

Appendix C Township site records

Audio record analysis for the Township site

Table 30 Wind speed and direction corresponding to diary return records, Township 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	No	Yes	11/04/2013	23:30	5:00	N/A	N/A	7.4–14.8	54–113
2	No	Yes	12/04/2013	7:30	N/A	N/A	N/A	10.1	37.1
3	Yes	No	12/04/2013	10:00	N/A	N/A	N/A	6.4	22.6
4	Yes	No	12/04/2013	13:20	N/A	N/A	N/A	1.9	310.2
5	No	Yes	13/04/2013	12:30	N/A	N/A	N/A	17.7	299.8
6	Yes	No	13/04/2013	13:30	N/A	N/A	N/A	15.2	295.5
7	Yes	Yes	19/04/2013	13:40	23:50	N/A	N/A	5.8–15.6	68.2–94.1
8	No	Yes	20/04/2013	8:00	N/A	N/A	N/A	7.5	57.1
9	No	Yes	25/04/2013	8:00	N/A	N/A	N/A	11	281.3
10	Yes	No	25/04/2013	22:30	N/A	N/A	N/A	7.6	244.6
11	Yes	No	26/04/2013	4:30	N/A	N/A	N/A	9.2	265.2
12	No	Yes	26/04/2013	15:40	N/A	N/A	N/A	5.5	278
13	Yes	No	27/04/2013	8:00	N/A	N/A	N/A	18.7	325.3
14	No	Yes	27/04/2013	9:40	N/A	N/A	N/A	13.9	317.7
15	No	Yes	28/04/2013	9:00	N/A	N/A	N/A	6.4	243.4
16	No	Yes	28/04/2013	10:30	N/A	N/A	N/A	5.8	260.8
17	Yes	No	29/04/2013	N/A	8:00	N/A	N/A	4.9	135.3
18	Yes	No	30/04/2013	N/A	0:00	N/A	N/A	9.2	71.8
19	Yes	No	30/04/2013	N/A	6:50	N/A	N/A	5.7	49.8
20	No	Yes	30/04/2013	15:30	N/A	N/A	N/A	4.8	235.8
21	Yes	No	30/04/2013	N/A	23:50	N/A	N/A	4.8	116.6
22	Yes	No	1/05/2013	N/A	6:40	N/A	N/A	6.9	205.2

No.	Resident	Neighbours	Date	Start time	End time	Wind			
						Local		Wind turbine generator	
						Speed, m/s	Direction, deg	Speed, m/s	Direction, deg
23	Yes	No	1/05/2013	10:00	N/A	N/A	N/A	7.1	159.4
24	Yes	No	1/05/2013	10:30	N/A	N/A	N/A	8.5	158.3
25	Yes	No	1/05/2013	11:50	N/A	N/A	N/A	6.1	142.8
26	Yes	No	1/05/2013	18:00	N/A	N/A	N/A	7.7	139.4
27	Yes	No	1/05/2013	19:30	N/A	N/A	N/A	10.5	133.1
28	No	Yes	1/05/2013	21:30	N/A	N/A	N/A	12.7	122.6
29	No	Yes	2/05/2013	2:40	N/A	N/A	N/A	14.3	94.3
30	No	Yes	2/05/2013	4:00	N/A	N/A	N/A	15.5	72.1
31	No	Yes	2/05/2013	7:40	N/A	N/A	N/A	21.2	54.1
32	Yes	No	2/05/2013	9:00	9.20	N/A	N/A	15.6–16.1	47.8–50.8
33	Yes	No	2/05/2013	18:10	18.30	1.8–2	40.6–45	11.3–13.7	44.1–47.7
34	Yes	Yes	3/05/2013	10:00	N/A	3.1	346.8	14.8	323.4
35	Yes	No	4/05/2013	6:00	N/A	0.0	0.0	6.7	101.6
36	Yes	No	4/05/2013	19:00	N/A	1.9	83.2	11.2	84.8
37	Yes	No	4/05/2013	20:30	N/A	2.4	81.1	12.2	90.1
38	Yes	No	5/05/2013	8:30	N/A	3.8	56.3	11.8	58.1
39	Yes	No	6/05/2013	4:30	N/A	2.6	48.9	14.1	50.9
39	Yes	No	6/05/2013	7:00	N/A	1.8	20.8	14.6	45.9
40	No	Yes	6/05/2013	17:40	N/A	0.9	35.8	10	43.7
41	Yes	No	6/05/2013	19:20	N/A	0.4	4.5	10.7	42
42	Yes	No	7/05/2013	2:00	N/A	0.6	5.8	10.8	331.6
43	Yes	No	7/05/2013	19:00	N/A	0.3	318.2	9.3	22.8
44	Yes	No	8/05/2013	20:30	N/A	0.8	56.6	12	50
45	Yes	Yes	9/05/2013	8:00	8:20	3–3.1	41.5–46.6	13–16.5	11.1–15
46	Yes	Yes	9/05/2013	17.30	18:30	0.7–1.6	38–53.1	9.4–9.9	24.4–32.2
47	No	Yes	9/05/2013	23.50	N/A	0.8	59.0	9.8	45.6

No.	Resident	Neighbours	Date	Start time	End time	Wind			
						Local		Wind turbine generator	
						Speed, m/s	Direction, deg	Speed, m/s	Direction, deg
48	No	Yes	10/05/2013	7:10	N/A	2.1	36.8	5.5	0.2
49	No	Yes	10/05/2013	8:10	N/A	1.6	43.8	6.2	3.7
50	No	Yes	10/05/2013	11:50	N/A	2.9	29.9	11.4	21.7
51	No	Yes	10/05/2013	17:30	N/A	1.9	47.5	9.1	41
52	Yes	No	10/05/2013	22:30	N/A	1.2	42.7	14.5	13.6
53	No	Yes	10/05/2013	23:50	N/A	2.2	32.6	14.9	17.2
54	Yes	No	11/05/2013	4:30	5:00+	1.7–2.2	351.2–2.9	9.9–13.3	3.9–8.0
55	Yes	No	12/05/2013	5:30	N/A	0.4	263.9	10.8	308.7
56	Yes	No	13/05/2013	6:10	N/A	0.3	185.2	14.7	251.8
57	No	Yes	13/05/2013	10:30	N/A	0.9	137.6	10.8	236.9
58	No	Yes	13/05/2013	13:00	N/A	1.1	210.7	7.9	232.8
59	No	Yes	13/05/2013	16:50	N/A	0.2	128.7	10.3	250.7
60	No	Yes	15/05/2013	9:30	N/A	1.0	157.8	12.6	242.6
61	No	Yes	17/05/2013	13:00	N/A	1.2	223.4	3.3	184.9
62	No	Yes	18/05/2013	11:10	N/A	0.8	280.8	3.5	285.1
63	No	Yes	19/05/2013	15:30	N/A	0.7	307.8	8.9	299
64	No	Yes	19/05/2013	16:30	N/A	0.7	292.4	9.2	295.2
65	Yes	Yes	21/05/2013	N/A	18:00	2.8	42.6	14	33.1
66	Yes	Yes	22/05/2013	N/A	00:30	2.5	65.9	8.8	62.2
67	Yes	No	22/05/2013	N/A	5:30	2.2	64.8	9.3	69.4
68	Yes	No	22/05/2013	17:50	N/A	1.1	208.2	7.9	229.4
69	Yes	No	23/05/2013	22:00	N/A	0.0	0.0	8.4	142.9
70	Yes	Yes	24/05/2013	7:00	N/A	0.0	0.0	7.9	148.1
71	Yes	No	25/05/2013	00:00	N/A	0.0	0.0	8.1	223.8
72	Yes	Yes	26/05/2013	21:40	N/A	2.6	108.2	8.8	114.2
73	Yes	No	27/05/2013	2:30	N/A	0.5	88.1	10.6	84.9
74	No	Yes	27/05/2013	9:10	N/A	2.9	56.0	8.2	52.7

No.	Resident	Neighbours	Date	Start time	End time	Wind			
						Local		Wind turbine generator	
						Speed, m/s	Direction, deg	Speed, m/s	Direction, deg
75	Yes	Yes	27/05/2013	22:30	N/A	0.0	0.0	6.8	36.3
76	Yes	Yes	28/05/2013	0:00	N/A	0.0	0.0	8.5	45.7
77	No	Yes	28/05/2013	17:10	N/A	0.0	0.0	3.7	53.1
78	Yes	No	28/05/2013	22:00	N/A	0.3	342.4	9.9	24.1
79	No	Yes	29/05/2013	8:30	N/A	0.7	357.1	15.4	339.3
80	No	Yes	29/05/2013	9:00	N/A	0.7	5.6	14	340.4
81	Yes	No	30/05/2013	16:50	N/A	2.2	31.8	10.4	22.5
82	Yes	No	31/05/2013	1:10	N/A	2.3	357.4	9.3	351
83	No	Yes	31/05/2013	9:30	N/A	0.0	0.0	4	352.8
84	No	Yes	5/06/2013	11:50	17:10	0.2–2.8	245.2–357.6	7.8–15.0	304.8–318.8
85	No	Yes	6/06/2013	13:50	14:30+	0.3–1.5	266.3–331.1	10.6–13.8	288.4–294.7
86	Yes	No	8/06/2013	5:30	N/A	0.0	0.0	6.3	42
87	No	Yes	8/06/2013	15:30	N/A	0.8	356.6	4.5	315.5
88	Yes	No	9/06/2013	3:30	N/A	0.0	0.0	3.7	356.2
89	No	Yes	9/06/2013	10:30	N/A	1.0	348.4	6.1	326.4
90	No	Yes	12/06/2013	11:10	13:40+	0.4–3.7	223.8–262.4	5.4–11.9	183.9–201.0
91	No	Yes	14/06/2013	13:30	24:00	0–2.8	0–247.5	4.0–9.9	8.9–24.0

Table 31 Acoustic descriptors and analysis of audio records for diary return entries, Township site

No.	Inside			Outside							Spectrum shape/blade pass frequency	Audio records (inside/outside where available)
	Infrasound, dB(G)	L _{pA,LF} , dB(A)	DEFRA	Infrasound, dB(G)	L _{pA,LF} , dB(A)	DEFRA	L _{AF,90}	L _{Ceq}	L _{Aeq}	L _{Ceq} -L _{Aeq}		
1	51.3–59.6	7.9–17.1	97%	56.2–64.6	45.1–47.1	1	24.1–33.6	57.1–64.4	29.8.1–38.8	3.8–7.0	Negative	Inside – not audible Outside – wildlife, wind, other noise sources
2	48.2	8.2	0	53.9	45.4	1	27.8	54.1	34.3	19.8	Negative	Inside – other noise sources, music Outside – machine noise, cars, wind
3	58.3	22.2	1	58.1	45.4	1	29.5	57.6	46.3	11.3	Negative	Inside – not audible Outside – not audible
4	44.9	13.6	0	48.1	45.0	1	21.2	54.0	29.4	24.6	Negative	Inside – not audible Outside – not audible, turbines not in operation
5	60.5	18.9	0	59.6	46.1	1	43.0	62.5	40.6	21.9	Negative	Inside – wind noise Outside – wind noise, other noise sources
6	63.8	22.1	0	64.0	46.2	1	38.4	61.8	45.5	16.3	Negative	Inside – other noise sources Outside – wind, cars, wildlife, machine noise
7	49.9–62.4	7.1–28.5	61%	56.2–65.9	18.2–44.2	19%	23.3–42.7	48.2–68.1	24.9–48.6	9.3–28.7	Negative	Inside and outside – wind noise

No.	Inside			Outside							Spectrum shape/blade pass frequency	Audio records (inside/outside where available)
	Infrasound, dB(G)	L _{pA,LF} , dB(A)	DEFRA	Infrasound, dB(G)	L _{pA,LF} , dB(A)	DEFRA	L _{AF,90}	L _{Ceq}	L _{Aeq}	L _{Ceq} -L _{Aeq}		
8	51.2	16.2	0	55.3	32.2	1	n/a	59.2	39.9	19.3	Negative	Inside – other noise sources Outside – wildlife, wind gusts, other noise sources
9	50.7	11.5	0	52.8	21.6	1	30.0	50.8	32.1	18.7	Negative	Inside and outside – car/machine noise
10	38.9	2.7	0	46.4	17.3	0	23.1	42.0	25.1	16.9	Negative	Inside – other noise sources Outside – cars, machines (most likely agricultural), wildlife
11	38.2	4.4	0	44.5	19.0	0	21.1	37.7	22.6	15.1	Negative	Inside – not audible Outside – machine noise with modulation
12	49.5	10.2	0	50.3	23.9	0	22.2	55.7	37.3	18.4	Negative	Inside – not audible Outside – mainly wind noise
13	55.1	11.6	0	50.6	22.9	1	32.7	49.1	43.1	6.0	Negative	Inside – other noise sources Outside – other noise sources, wildlife, wind noise

No.	Inside			Outside							Spectrum shape/blade pass frequency	Audio records (inside/outside where available)
	Infrasound, dB(G)	L _{pA,LF} , dB(A)	DEFRA	Infrasound, dB(G)	L _{pA,LF} , dB(A)	DEFRA	L _{AF,90}	L _{Ceq}	L _{Aeq}	L _{Ceq} -L _{Aeq}		
14	64.9	22.9	0	62.4	29.4	1	38.3	60.2	43.7	16.5	Negative	Inside – wind other noise sources Outside – wind, other noise sources
15	48.7	5.5	0	52.5	15.2	0	26.9	55.9	35.2	20.7	Negative	Inside – not audible Outside – machine, wind wildlife noise
16	51.3	12.7	0	53.6	19.3	0	28.1	56.1	40.7	15.4	Negative	Inside – mainly not audible, other noise sources Outside – wildlife, car, wind noise
17	52.4	14.1	0	60.2	29.3	1	43.6	53.3	48.3	5.0	Negative	Inside – rain noise Outside– rain, cars, wildlife
18	51.1	8.1	0	57.1	22.4	1	25.8	55.5	28.2	27.3	Negative	Inside – not audible Outside – natural background, may be substation noise occasionally
19	50.9	14.8	0	56.5	29.2	1	34.2	49.6	44.0	5.6	Negative	Inside – cars, other noise sources Outside – wildlife, cars and other noise sources

No.	Inside			Outside							Spectrum shape/blade pass frequency	Audio records (inside/outside where available)
	Infrasound, dB(G)	L _{pA,LF} , dB(A)	DEFRA	Infrasound, dB(G)	L _{pA,LF} , dB(A)	DEFRA	L _{AF,90}	L _{Ceq}	L _{Aeq}	L _{Ceq} -L _{Aeq}		
20	53.5	25.3	1	56.2	38.6	1	30.3	59.4	45.4	14.0	Negative	Inside – not audible most of the time or other noise sources Outside – wildlife, cars and other noise sources
21	50.7	6.0	0	55.6	21.5	1	23.0	48.3	24.4	24.3	Negative	Inside and outside – machine noise
22	49.5	6.2	0	57.7	22.6	0	31.3	44.6	38.0	6.6	Negative	Inside – not audible Outside – other noise sources, substation may be audible in previous periods
23	61.7	31.2	1	57.5	26.7	1	34.5	56.7	38.7	18	Negative	Inside – household activities Outside – cars, machine and other noise sources
24	62.5	37.9	1	59.2	40.6	1	38.5	61.7	46.0	15.7	Negative	Inside – household activities, machine noise Outside – cars, machine and other noise sources

No.	Inside			Outside							Spectrum shape/blade pass frequency	Audio records (inside/outside where available)
	Infrasound, dB(G)	L _{pA,LF} , dB(A)	DEFRA	Infrasound, dB(G)	L _{pA,LF} , dB(A)	DEFRA	L _{AF,90}	L _{Ceq}	L _{Aeq}	L _{Ceq} -L _{Aeq}		
25	57.0	18.8	0	63.58	34.78	1	34.6	59.8	43.0	16.8	Negative	Inside – car, other noise sources Outside – car, machine, beeper, other noise sources
26	47.2	23.0	0	55.5	35.3	1	27.1	51.4	39.7	11.7	Negative	Inside – inaudible Outside – machine, other noise sources
27	50.9	11.3	0	58.8	24.1	1	29.8	49.6	35.7	13.9	Negative	Inside – inaudible Outside – machine, other noise sources
28	55.7	15.2	0	62.9	29.1	1	33.1	57.5	36.1	21.4	Negative	Inside – other noise sources Outside – wind, natural background
29	59.8	18.9	1	65.8	30.3	1	36.4	65.1	40.4	24.7	Negative	Inside – not audible; Outside – wind, natural background
30	59.5	18.4	1	66.2	30.5	1	34.4	61.4	38.2	23.2	Negative	Inside – not audible Outside – wind, natural background
31	64.2	22.5	1	68.4	37.4	1	40.8	70.3	48.7	21.6	Negative	Inside – not audible Outside – natural background

No.	Inside			Outside							Spectrum shape/blade pass frequency	Audio records (inside/outside where available)
	Infrasound, dB(G)	L _{pA,LF} , dB(A)	DEFRA	Infrasound, dB(G)	L _{pA,LF} , dB(A)	DEFRA	L _{AF,90}	L _{Ceq}	L _{Aeq}	L _{Ceq} -L _{Aeq}		
32	62.6–64.4	23.3–25.3	1	68.5–72.9	37.1–40.4	1	44–46.1	66.2–68.6	48.5–50	17.5–18.7	Negative	Inside – other noise sources Outside – other noise sources, natural background
33	51.9–52.8	15.1–21.6	1	58.6–60.5	28.8–36.7	1	31.5–31.9	56.8–57.6	36.2–44.7	12.9–21.3	Negative	Inside – inaudible Outside – natural background
34	64.5	28.1	1	65.0	41.9	1	38.9	62.6	53.8	8.8	Negative	Inside – other noise sources Outside – wind, cars other noise sources
35	47.7	7.0	0	56.3	17.8	0	27.0	43.8	30.9	12.9	Negative	Inside – inaudible Outside – natural background, machine noise
36	56.3	14.2	0	62.0	26.3	1	31.2	57.4	37.0	20.4	Negative	Inside – inaudible Outside – natural background, wind
37	59.7	17.9	0	63.9	27.5	1	33.5	67.3	41.0	26.3	Negative	Inside – inaudible Outside – dominated by wind noise
38	59.9	18.0	0	67.4	28.9	1	38.8	67.4	44.5	22.9	Negative	Inside – quiet periods interrupted by other noise sources Outside – wildlife, wind

No.	Inside			Outside							Spectrum shape/blade pass frequency	Audio records (inside/outside where available)
	Infrasound, dB(G)	L _{pA,LF} , dB(A)	DEFRA	Infrasound, dB(G)	L _{pA,LF} , dB(A)	DEFRA	L _{AF,90}	L _{Ceq}	L _{Aeq}	L _{Ceq} -L _{Aeq}		
39	57.5	16.5	0	63.6	28.0	1	34.5	62.0	40.5	22.5	Negative	Inside – mainly inaudible Outside – wind, natural background
40	56.2	14.3	0	61.3	27.4	1	35.5	56.3	48.7	7.6	Negative	Outside – mainly inaudible Outside – wildlife, cars, other noise sources
41	53.0	9.9	0	58.6	23.6	1	29.9	62.4	35.1	17.3	Negative	Inside – inaudible Outside – quiet background, may be machine/substation noise
42	44.0	4.3	0	49.9	23.6	1	25.9	44.1	27.8	16.3	Negative	Inside – inaudible Outside – substation noise
43	50.0	24.1	0	55.0	39.6	1	25.6	50.3	48.0	2.3	Negative	Inside and outside – truck and other noise sources, may be substation
44	52.7	12.8	0	59.5	26.2	1	28.4	53.6	30.6	23	Negative	Inside – inaudible Outside – natural background, cars

No.	Inside			Outside							Spectrum shape/blade pass frequency	Audio records (inside/outside where available)
	Infrasound, dB(G)	L _{pA,LF} , dB(A)	DEFRA	Infrasound, dB(G)	L _{pA,LF} , dB(A)	DEFRA	L _{AF,90}	L _{Ceq}	L _{Aeq}	L _{Ceq} -L _{Aeq}		
45	56.1–61.9	17.7–20.6	0	60.2–63.3	32.4–37.5	1	36.6–37.5	61.3–62.4	43.0–46.8	23.8–26.1	Negative	Inside – quiet periods interrupted by household activities Outside – wildlife, natural background, other noise sources
46	47.0–48.9	6.6–12.1	0	53.7–54.8	21.6–28.3	1	26.3–30.5	47.2–55.2	31.2–38.4	8.8–23.3	Negative	Inside – quiet periods interrupted by other noise sources Outside – natural background, wind, machine noise (may be substation)
47	48.1	7.2	0	54.9	19.4	0	25.3	48.8	26.6	22.2	Negative	Inside – other noise sources Outside – wind, background, faint machine noise
48	53.9	11.8	0	59.8	26.9	1	35.8	55.3	44.8	10.5	Negative	Inside – other noise sources Outside – wildlife, wind, trucks, other noise sources

No.	Inside			Outside							Spectrum shape/blade pass frequency	Audio records (inside/outside where available)
	Infrasound, dB(G)	L _{pA,LF} , dB(A)	DEFRA	Infrasound, dB(G)	L _{pA,LF} , dB(A)	DEFRA	L _{AF,90}	L _{Ceq}	L _{Aeq}	L _{Ceq} -L _{Aeq}		
49	58.5	21.1	0	62.1	37.3	1	32.5	58.4	43.7	14.7	Negative	Inside – inaudible; Outside – wildlife, wind, cars, beeper alarm, other noise sources
50	59.7	16.7	0	60.0	28.6	1	37.8	63.0	42.5	20.5	Negative	Inside – inaudible Outside – wind, other noise sources
51	51.5	13.1	0	55.6	26.6	1	45.9	58.0	44.0	14.0	Negative	Inside and outside – wildlife, other noise sources
52	50.7	9.0	0	56.9	24.6	1	28.0	50.3	29.4	20.9	Negative	Inside – inaudible Outside – substation noise
53	52.4	18.3	0	57.7	32.2	1	32.9	53.4	34.8	18.6	Negative	Inside – inaudible Outside – wind, faint substation noise
54	53.3–57.3	11.4–14	0	58.6–59.8	25.5–26.1	1	29.2–32.4	55.1–56.1	32.1–38.6	17.3–23.0	Negative	Inside – mainly inaudible Outside– wind, wildlife
55	54.6	12.9	0	55.4	23.2	0	32.1	47.8	38.3	9.5	Negative	Inside – rain noise Outside – rain and faint substation noise
56	49.5	5.9	0	53.1	18.4	0	30.7	57.5	33.1	24.4	Negative	Inside – inaudible Outside – wind, natural background

No.	Inside			Outside							Spectrum shape/blade pass frequency	Audio records (inside/outside where available)
	Infrasound, dB(G)	L _{pA,LF} , dB(A)	DEFRA	Infrasound, dB(G)	L _{pA,LF} , dB(A)	DEFRA	L _{AF,90}	L _{Ceq}	L _{Aeq}	L _{Ceq} -L _{Aeq}		
57	55.4	14.0	0	59.1	31.2	1	38.2	63.4	43.0	20.4	Negative	Inside – wind Outside – wind, natural background, other noise sources
58	50.2	7.0	0	55.5	17.2	0	28.6	61.3	38.8	22.5	Negative	Inside – inaudible Outside – wind, other noise sources
59	55.4	25.8	1	53.7	19.3	0	31.1	58.0	47.2	10.8	Negative	Inside – quiet periods interrupted by other noise sources Outside – wildlife, other noise sources
60	58.5	16.5	0	57.2	26.9	1	40.7	62.0	48.0	14.0	Negative	Inside – quiet periods interrupted by other noise sources Outside – rain, other noise sources
61	48.0	6.8	0	52.6	28.0	1	26.4	51.5	36.7	14.8	Negative	Inside – inaudible Outside – wind, natural background
62	47.9	7.3	0	51.0	22.0	0	27.9	52.6	36.5	15.6	Negative	Inside – inaudible Outside – machine noise (may be substation)

No.	Inside			Outside							Spectrum shape/blade pass frequency	Audio records (inside/outside where available)
	Infrasound, dB(G)	L _{pA,LF} , dB(A)	DEFRA	Infrasound, dB(G)	L _{pA,LF} , dB(A)	DEFRA	L _{AF,90}	L _{Ceq}	L _{Aeq}	L _{Ceq} -L _{Aeq}		
63	53.0	10.6	0	54.9	25.0	1	29.6	53.1	37.6	15.5	Negative	Inside – quiet periods interrupted by other noise sources Outside – cars, wildlife, natural background
64	49.9	6.3	0	51.7	35.5	1	27.8	51.2	36.9	14.3	Negative	Inside – mainly inaudible Outside – wildlife, machine noise, other noise sources
65	56.6	16.2	0	60.6	27.7	1	36.2	63.0	42.0	21.0	Negative	Inside – other noise sources Outside – wildlife, wind, other noise sources
66	56.9	23.3	0	64.5	31.7	1	50.5	60.3	55.3	15.0	Negative	Inside and outside – rain, wind noise
67	52.1	9.9	0	59.1	22.5	0	31.5	54.3	34.0	20.3	Negative	Inside – quiet periods interrupted by other noise sources Outside – wind, natural background.
68	47.9	12.1	0	56.3	25.8	1	32.8	57.0	41.3	15.7	Negative	Inside – inaudible Outside – wind, background, substation noise

No.	Inside			Outside							Spectrum shape/blade pass frequency	Audio records (inside/outside where available)
	Infrasound, dB(G)	L _{pA,LF} , dB(A)	DEFRA	Infrasound, dB(G)	L _{pA,LF} , dB(A)	DEFRA	L _{AF,90}	L _{Ceq}	L _{Aeq}	L _{Ceq} -L _{Aeq}		
69	47.6	6.9	0	58.6	23.1	0	29.3	48.2	29.9	18.3	Negative	Inside – other noise sources Outside – machine or substation noise
70	47.3	10.1	0	61.2	25.8	1	34.9	54.0	50.5	3.5	Negative	Inside – quiet or wildlife noise Outside – wildlife, machine and other noise sources
71	44.2	7.0	0	54.3	15.6	0	28.9	48.4	36.0	12.4	Negative	Inside – typically inaudible Outside – cattle, substation, other noise sources
72	55.8	13.9	0	62.0	27.4	1	35.5	56.5	39.5	17.0	Negative	Inside – quiet periods interrupted by other noise sources Outside – wind, wildlife
73	56.8	10.8	0	63.9	24.6	1	32.5	54.0	34.5	19.5	Negative	Inside – inaudible Outside – machine noise
74	54.2	16.1	0	61.5	29.2	1	33.8	62.8	43.3	19.5	Negative	Inside – mainly inaudible Outside – wind noise, wildlife

No.	Inside			Outside							Spectrum shape/blade pass frequency	Audio records (inside/outside where available)
	Infrasound, dB(G)	L _{pA,LF} , dB(A)	DEFRA	Infrasound, dB(G)	L _{pA,LF} , dB(A)	DEFRA	L _{AF,90}	L _{Ceq}	L _{Aeq}	L _{Ceq} -L _{Aeq}		
75	49.8	5.8	0	59.7	19.3	0	29.8	48.6	30.5	18.1	Negative	Inside – inaudible Outside – substation noise
76	48.9	12.1	0	57.4	27.2	1	29.2	50.6	38.7	11.9	Negative	Inside – inaudible Outside – substation noise, other noise sources
77	51.1	11.9	0	58.9	26.8	1	31.6	57.9	41.4	16.5	Negative	Inside – mainly inaudible Outside – wildlife, cars, machine and other noise sources
78	49.0	6.1	0	57.4	20.9	0	30.1	48.2	30.6	17.6	Negative	Inside – inaudible Outside – other noise sources and substation noises
79	50.2	16.1	0	58.8	34.2	1	35.2	58.2	46.0	18.2	Negative	Inside – other noise sources Outside – beeper alarm, wildlife
80	48.6	14.3	0	57.6	31.2	1	36.2	58.1	41.8	15.9	Negative	Inside – other noise sources Outside – cars, wildlife, beeper alarm, other noise sources

No.	Inside			Outside							Spectrum shape/blade pass frequency	Audio records (inside/outside where available)
	Infrasound, dB(G)	L _{pA,LF} , dB(A)	DEFRA	Infrasound, dB(G)	L _{pA,LF} , dB(A)	DEFRA	L _{AF,90}	L _{Ceq}	L _{Aeq}	L _{Ceq} -L _{Aeq}		
81	50.3	16.8	0	56.7	33.0	1	36.5	58.0	44.7	12.3	Negative	Inside – mainly inaudible Outside– wildlife, wind, cars
82	52.0	10.4	0	59.2	25.6	1	31.8	54.4	34.1	20.3	Negative	Inside – quiet periods or wind noise Outside – quiet periods, wind noise
83	55.0	18.9	0	61.8	35.3	1	32.7	54.4	45.2	9.2	Negative	Inside – mainly inaudible Outside – wildlife, beeper alarm, cars, substation
84	48–71.1	7.1–33.1	88%	53.2–84.0	21.0–46.8	3%	31.4–46.2	52.2–65.7	36–67.5	20–29.6	Negative	Inside – mainly inaudible Outside – wildlife, cars, beeper alarm, other noise sources
85	53.4–59.5	14.2–20.0	0	56.8–60.1	28.2–33.6	1	35.6–39.5	56.9–63.5	40.4–47.9	9.6–23.2	Negative	Inside – other noise sources Outside – wildlife, wind, cars, other noise sources
86	51.5	4.2	0	58.8	18.2	0	31.9	46.1	33.4	12.7	Negative	Inside – inaudible Outside – dominated by substation noise

No.	Inside			Outside							Spectrum shape/blade pass frequency	Audio records (inside/outside where available)
	Infrasound, dB(G)	L _{pA,LF} , dB(A)	DEFRA	Infrasound, dB(G)	L _{pA,LF} , dB(A)	DEFRA	L _{AF,90}	L _{Ceq}	L _{Aeq}	L _{Ceq} -L _{Aeq}		
87	48.1	13.6	0	56.3	32.1	1	31.3	52.8	35.8	17.0	Negative	Inside – mainly inaudible Outside – wildlife, substation, other noise sources
88	56.1	2.0	0	61.9	20.3	0	29.9	46.7	31.2	15.5	Negative	Inside – mainly inaudible Outside – machine, substation noise
89	46.3	5.4	0	55.5	29.8	1	31.7	48.5	42.8	5.7	Negative	Inside – wildlife, other noise sources Outside – wildlife noise, cars
90	52.2–58.5	10.8–20.5	0	59.1–68.2	23.8–33.4	18%	33.6–43.7	60.5–68.5	42.0–51.5	12.3–24.1	Negative	Inside – quiet periods interrupted by other noise sources Outside – wind, wildlife, rain periods, other noise sources
91	42.2–59.6	3.2–23.1	0	52.1–73.2	18.4–35.9	62%	31.4–42.2	48.6–66.2	32.7–51.5	8.9–24.0	Negative	Inside – quiet periods interrupted by other noise sources Outside – wildlife, cattle, other noise sources