

## Appendix E North East site records

*Audio record analysis for the North East site*

**Table 34 Wind speed and direction corresponding to diary return records, North East 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	14/04/2013	04:00	11:00	N/A	N/A	3.2– 8.0	227.0– 331.0
2	No	Yes	22/04/2013	17:30	N/A	4.6	265.5	13.7	270.8
3	Yes	No	02/05/2013	12:30	21:15	1.9– 6.5	25.4– 47.6	8.7– 11.5	21.3– 44.1
4	Yes	No	03/05/2013	19:30	N/A	0.3	119.6	11.8	286.4

**Table 35 Acoustic descriptors and analysis of audio records for diary return entries, North East site**

No.	Inside				Outside						Spectrum shape/blade pass frequency	Audio records (inside/outside where available)
	L <sub>Aeq</sub> , dB(A)	L <sub>Ceq</sub> , dB(C)	L <sub>pA,LF</sub> , dB(A)	DEFRA	L <sub>Ceq</sub> , dB(C)	DEFRA	L <sub>Ceq</sub> - L <sub>Aeq</sub>	L <sub>AF,90</sub> , dB(A)	L <sub>pA,LF</sub> , dB(A)	DEFRA		
1	24.2–61.7	36.3–63.4	4.6–39.0	86%	21.8–55.4	40.3–72.2	-1.3–26.7	20.9–34.7	14.9–53.3	69%	Negative	Inside – other noise sources, household noise Outside – wildlife, vehicle, wind noise
2	61.9	62.4	29.2	0%	46.4	70.3	23.9	37.3	40.6	0%	Negative	Inside – other noise sources, household noise Outside – wind noise
3	27.3–67.9	41.9–67.2	11.4–36.5	45%	35.7–51.4	59.0–76.4	13.0–26.6	28.8–43.8	29.7–47.3	0%	Negative	Inside – other noise sources, household noise Outside – wildlife, high wind, flyover noise
4	31.4	47.0	17.4	0%	41.7	56.8	15.2	30.7	31.6	0%	Negative	Inside – other noise sources, household noise Outside – flyover, wind noise