

Appendix 11.5: Predicted noise levels for 102.5 m hub height

Table A.1: Predicted Noise Levels from the Development at Varying Wind Speeds for Hub Height of 102.5 m at Standardised 10 m Height Wind Speed

	ITM	ITM	3m/s	4m/s	5m/s	6m/s	7m/s	8+m/s
House ID	Easting	Northing	dBA	dBA	dBA	dBA	dBA	dBA
H1	535070	822103	34.4	40.9	43.4	43.4	43.4	43.4
H2	535267	821598	34.3	40.8	43.3	43.3	43.3	43.3
H3	535188	821210	32.7	39.2	41.7	41.7	41.7	41.7
H4	535124	823263	30.1	36.6	39.1	39.1	39.1	39.1
H5	535061	823316	29.3	35.8	38.3	38.3	38.3	38.3
H6	535574	819899	29.6	36.1	38.6	38.6	38.6	38.6
H7	535387	820024	29.4	35.9	38.4	38.4	38.4	38.4
H8	535857	819660	28.9	35.4	37.9	37.9	37.9	37.9
H9	535644	819809	29.3	35.8	38.3	38.3	38.3	38.3
H10	535747	819724	29.1	35.6	38.1	38.1	38.1	38.1
H11	535966	819584	28.6	35.1	37.6	37.6	37.6	37.6
H12	535210	820136	29	35.5	38	38	38	38
H13	534401	822381	28.1	34.6	37.1	37.1	37.1	37.1
H14	534306	822410	27.4	33.9	36.4	36.4	36.4	36.4
H15	534999	823644	26.7	33.2	35.7	35.7	35.7	35.7
H16	534907	820371	28.1	34.6	37.1	37.1	37.1	37.1
H17	534321	822162	27.5	34	36.5	36.5	36.5	36.5
H18	534233	822602	26.6	33.1	35.6	35.6	35.6	35.6
H19	536282	819253	26.4	32.9	35.4	35.4	35.4	35.4
H20	534230	822231	26.9	33.4	35.9	35.9	35.9	35.9
H21	535711	819425	26.8	33.3	35.8	35.8	35.8	35.8
H22	534198	822255	26.7	33.2	35.7	35.7	35.7	35.7
H23	535670	819393	26.5	33	35.5	35.5	35.5	35.5
H24	534175	822187	26.5	33	35.5	35.5	35.5	35.5
H25	534988	823817	25.6	32.1	34.6	34.6	34.6	34.6
H26	534775	820212	26.7	33.2	35.7	35.7	35.7	35.7
H27	535082	823941	25.1	31.6	34.1	34.1	34.1	34.1
H28	536542	819091	25.3	31.8	34.3	34.3	34.3	34.3
H29	534421	820709	26.2	32.7	35.2	35.2	35.2	35.2
H30	536673	818878	23.9	30.4	32.9	32.9	32.9	32.9
H31	534352	820705	25.8	32.3	34.8	34.8	34.8	34.8

	ITM	ITM	3m/s	4m/s	5m/s	6m/s	7m/s	8+m/s
House ID	Easting	Northing	dBA	dBA	dBA	dBA	dBA	dBA
H32	534961	824183	23.6	30.1	32.6	32.6	32.6	32.6
H33	533812	822112	24.3	30.8	33.3	33.3	33.3	33.3
H34	533788	822143	24.2	30.7	33.2	33.2	33.2	33.2
H35	535220	824333	23.3	29.8	32.3	32.3	32.3	32.3
H36	534326	820215	24.5	31	33.5	33.5	33.5	33.5
H37	536569	818707	23.1	29.6	32.1	32.1	32.1	32.1
H38	534868	824326	22.7	29.2	31.7	31.7	31.7	31.7
H39	534270	820167	24.1	30.6	33.1	33.1	33.1	33.1
H40	534280	820106	23.9	30.4	32.9	32.9	32.9	32.9
H41	536492	818590	22.5	29	31.5	31.5	31.5	31.5
H42	535188	824469	22.6	29.1	31.6	31.6	31.6	31.6
H43	536527	818584	22.4	28.9	31.4	31.4	31.4	31.4
H44	533553	822169	23	29.5	32	32	32	32
H45	534052	820668	24.2	30.7	33.2	33.2	33.2	33.2
H46	533495	822184	22.7	29.2	31.7	31.7	31.7	31.7

NB: H1 and H2 are derelict buildings

Table A2: Margin between Predicted Development Noise Levels for Hub Height of 102.5 m and Lower Fixed Limit of 43dBA at Standardised 10 m Height Wind Speed

	ITM	ITM	3m/s	4m/s	5m/s	6m/s	7m/s	8+m/s
House ID	Easting	Northing	dBA	dBA	dBA	dBA	dBA	dBA
H1	535070	822103	-5.6	0.9	0.4	0.4	0.4	0.4
H2	535267	821598	-5.7	0.8	0.3	0.3	0.3	0.3
H3	535188	821210	-7.3	-0.8	-1.3	-1.3	-1.3	-1.3
H4	535124	823263	-9.9	-3.4	-3.9	-3.9	-3.9	-3.9
H5	535061	823316	-10.7	-4.2	-4.7	-4.7	-4.7	-4.7
H6	535574	819899	-10.4	-3.9	-4.4	-4.4	-4.4	-4.4
H7	535387	820024	-10.6	-4.1	-4.6	-4.6	-4.6	-4.6
H8	535857	819660	-11.1	-4.6	-5.1	-5.1	-5.1	-5.1
H9	535644	819809	-10.7	-4.2	-4.7	-4.7	-4.7	-4.7
H10	535747	819724	-10.9	-4.4	-4.9	-4.9	-4.9	-4.9
H11	535966	819584	-11.4	-4.9	-5.4	-5.4	-5.4	-5.4
H12	535210	820136	-11.0	-4.5	-5	-5	-5	-5
H13	534401	822381	-11.9	-5.4	-5.9	-5.9	-5.9	-5.9

	ITM	ITM	3m/s	4m/s	5m/s	6m/s	7m/s	8+m/s
House ID	Easting	Northing	dBA	dBA	dBA	dBA	dBA	dBA
H14	534306	822410	-12.6	-6.1	-6.6	-6.6	-6.6	-6.6
H15	534999	823644	-13.3	-6.8	-7.3	-7.3	-7.3	-7.3
H16	534907	820371	-11.9	-5.4	-5.9	-5.9	-5.9	-5.9
H17	534321	822162	-12.5	-6	-6.5	-6.5	-6.5	-6.5
H18	534233	822602	-13.4	-6.9	-7.4	-7.4	-7.4	-7.4
H19	536282	819253	-13.6	-7.1	-7.6	-7.6	-7.6	-7.6
H20	534230	822231	-13.1	-6.6	-7.1	-7.1	-7.1	-7.1
H21	535711	819425	-13.2	-6.7	-7.2	-7.2	-7.2	-7.2
H22	534198	822255	-13.3	-6.8	-7.3	-7.3	-7.3	-7.3
H23	535670	819393	-13.5	-7.0	-7.5	-7.5	-7.5	-7.5
H24	534175	822187	-13.5	-7.0	-7.5	-7.5	-7.5	-7.5
H25	534988	823817	-14.4	-7.9	-8.4	-8.4	-8.4	-8.4
H26	534775	820212	-13.3	-6.8	-7.3	-7.3	-7.3	-7.3
H27	535082	823941	-14.9	-8.4	-8.9	-8.9	-8.9	-8.9
H28	536542	819091	-14.7	-8.2	-8.7	-8.7	-8.7	-8.7
H29	534421	820709	-13.8	-7.3	-7.8	-7.8	-7.8	-7.8
H30	536673	818878	-16.1	-9.6	-10.1	-10.1	-10.1	-10.1
H31	534352	820705	-14.2	-7.7	-8.2	-8.2	-8.2	-8.2
H32	534961	824183	-16.4	-9.9	-10.4	-10.4	-10.4	-10.4
H33	533812	822112	-15.7	-9.2	-9.7	-9.7	-9.7	-9.7
H34	533788	822143	-15.8	-9.3	-9.8	-9.8	-9.8	-9.8
H35	535220	824333	-16.7	-10.2	-10.7	-10.7	-10.7	-10.7
H36	534326	820215	-15.5	-9.0	-9.5	-9.5	-9.5	-9.5
H37	536569	818707	-16.9	-10.4	-10.9	-10.9	-10.9	-10.9
H38	534868	824326	-17.3	-10.8	-11.3	-11.3	-11.3	-11.3
H39	534270	820167	-15.9	-9.4	-9.9	-9.9	-9.9	-9.9
H40	534280	820106	-16.1	-9.6	-10.1	-10.1	-10.1	-10.1
H41	536492	818590	-17.5	-11.0	-11.5	-11.5	-11.5	-11.5
H42	535188	824469	-17.4	-10.9	-11.4	-11.4	-11.4	-11.4
H43	536527	818584	-20.6	-11.1	-11.6	-11.6	-11.6	-11.6
H44	533553	822169	-17.0	-10.5	-11	-11	-11	-11
H45	534052	820668	-15.8	-9.3	-9.8	-9.8	-9.8	-9.8
H46	533495	822184	-17.3	-10.8	-11.3	-11.3	-11.3	-11.3

NB: H1 and H2 are derelict buildings