

Environmental Impact Assessment (EIA) Report

LT384 Tealing to Westfield Overhead Line (OHL) 400 kV Upgrade

November 2024



VOLUME 4: APPENDIX 14.6 - OPERATIONAL NOISE IMPACT ASSESSMENT OF 400 KV OHL

1.	OPERATIONAL NOISE IMPACT ASSESSMENT OF 400 KV OHL	1
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1. OPERATIONAL NOISE IMPACT ASSESSMENT OF 400 KV OHL

Table 14.6- 1 TGN(E)22 Tier 1 Result Summary

NSR	Name	Coordinate (X)	Coordinate (Y)	Distance from Proposed Development (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
1	Jeanfield Steadings	336667	736969	157	38.1	Medium	Low	Minor	Proceed to Tier 2
2	Jeanfield Farm	336637	736965	157	38.1	Medium	Low	Minor	Proceed to Tier 2
3	East Jeanfield Farm	337165	736942	248	34.3	Medium	Low	Minor	Proceed to Tier 2
4	Jeanfield Farmhouse	336642	736914	209	35.9	Medium	Low	Minor	Proceed to Tier 2
5		335892	736851	177	37.2	Medium	Low	Minor	Proceed to Tier 2
6		335904	736848	181	37.2	Medium	Low	Minor	Proceed to Tier 2
7	North Leoch Farmhouse	336023	736834	210	35.9	Medium	Low	Minor	Proceed to Tier 2
8		336030	736829	216	35.5	Medium	Low	Minor	Proceed to Tier 2
9		335851	736798	224	35.5	Medium	Low	Minor	Proceed to Tier 2
10	Dronley House	334137	736527	162	38.1	Medium	Low	Minor	Proceed to Tier 2
11	Denhead Cottage	333693	736397	243	34.7	Medium	Low	Minor	Proceed to Tier 2
12		333711	735934	138	39.0	Medium	Medium	Moderate	Proceed to Tier 2
13		332138	735635	250	34.3	Medium	Low	Minor	Proceed to Tier 2
14		332877	735610	58	44.2	Medium	High	Major	Proceed to Tier 2
15		332809	735585	50	45.1	Medium	High	Major	Proceed to Tier 2
16		332878	735578	87	41.9	Medium	Medium	Moderate	Proceed to Tier 2
17		332826	735489	144	39.0	Medium	Medium	Moderate	Proceed to Tier 2
18		332892	735488	174	37.6	Medium	Low	Minor	Proceed to Tier 2
19	East Adamston Farmhouse	332936	735482	199	36.3	Medium	Low	Minor	Proceed to Tier 2
20		333031	735481	242	34.7	Medium	Low	Minor	Proceed to Tier 2

NSR	Name	Coordinate (X)	Coordinate (Y)	Distance from Proposed Development (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
21	1 East Adamston Farm Cottages	333023	735475	244	34.7	Medium	Low	Minor	Proceed to Tier 2
22	2 East Adamston Farm Cottages	333040	735473	253	34.3	Medium	Low	Minor	Proceed to Tier 2
23	Keithhall Farm Cottage	332223	735178	156	38.1	Medium	Low	Minor	Proceed to Tier 2
24	Keithhall Farm House	332143	735176	122	40.1	Medium	Medium	Moderate	Proceed to Tier 2
25		330909	735015	240	34.7	Medium	Low	Minor	Proceed to Tier 2
26		330938	734997	210	35.9	Medium	Low	Minor	Proceed to Tier 2
27		330849	734986	255	34.0	Medium	Negligible	Negligible	Acceptable
28		330872	734981	236	34.7	Medium	Low	Minor	Proceed to Tier 2
29		330902	734975	212	35.9	Medium	Low	Minor	Proceed to Tier 2
30		330929	734966	188	36.7	Medium	Low	Minor	Proceed to Tier 2
31		330844	734951	236	34.7	Medium	Low	Minor	Proceed to Tier 2
32		330868	734948	215	35.5	Medium	Low	Minor	Proceed to Tier 2
33		330899	734943	189	36.7	Medium	Low	Minor	Proceed to Tier 2
34		330918	734927	165	38.1	Medium	Low	Minor	Proceed to Tier 2
35		330835	734918	225	35.5	Medium	Low	Minor	Proceed to Tier 2
36		330864	734912	197	36.3	Medium	Low	Minor	Proceed to Tier 2
37		330890	734904	171	37.6	Medium	Low	Minor	Proceed to Tier 2
38		330910	734898	151	38.5	Medium	Low	Minor	Proceed to Tier 2
39		330787	734884	254	34.3	Medium	Low	Minor	Proceed to Tier 2
40		330828	734873	211	35.9	Medium	Low	Minor	Proceed to Tier 2
41		330851	734871	189	36.7	Medium	Low	Minor	Proceed to Tier 2
42		330905	734863	137	39.0	Medium	Medium	Moderate	Proceed to Tier 2

NSR	Name	Coordinate (X)	Coordinate (Y)	Distance from Proposed Development (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
43		330884	734861	155	38.5	Medium	Low	Minor	Proceed to Tier 2
44		330846	734846	186	36.7	Medium	Low	Minor	Proceed to Tier 2
45		330826	734845	205	36.3	Medium	Low	Minor	Proceed to Tier 2
46		330880	734833	150	38.5	Medium	Low	Minor	Proceed to Tier 2
47		330784	734833	242	34.7	Medium	Low	Minor	Proceed to Tier 2
48		330900	734824	128	39.5	Medium	Medium	Moderate	Proceed to Tier 2
49		330799	734806	219	35.5	Medium	Low	Minor	Proceed to Tier 2
50		330828	734805	191	36.7	Medium	Low	Minor	Proceed to Tier 2
51		330865	734794	153	38.5	Medium	Low	Minor	Proceed to Tier 2
52		330885	734791	133	39.5	Medium	Medium	Moderate	Proceed to Tier 2
53		330797	734777	213	35.9	Medium	Low	Minor	Proceed to Tier 2
54		330837	734771	173	37.6	Medium	Low	Minor	Proceed to Tier 2
55		330817	734770	192	36.7	Medium	Low	Minor	Proceed to Tier 2
56		330880	734765	130	39.5	Medium	Medium	Moderate	Proceed to Tier 2
57		331066	734486	87	41.9	Medium	Medium	Moderate	Proceed to Tier 2
58	Andersons Cottage	331119	734478	140	39.0	Medium	Medium	Moderate	Proceed to Tier 2
59		330982	734459	15	50.2	low	High	Moderate	Proceed to Tier 2
60	Muirloch Farm	331183	734457	208	35.9	Medium	Low	Minor	Proceed to Tier 2
61	Muirloch Farm	331224	734441	251	34.3	Medium	Low	Minor	Proceed to Tier 2
62	Muirloch Farm	331225	734433	255	34.3	Medium	Low	Minor	Proceed to Tier 2
63	Muirloch Farm	331223	734426	255	34.3	Medium	Low	Minor	Proceed to Tier 2
64		331209	734417	244	34.7	Medium	Low	Minor	Proceed to Tier 2
65	Muirloch Farm	331187	734411	225	35.5	Medium	Low	Minor	Proceed to Tier 2

NSR	Name	Coordinate (X)	Coordinate (Y)	Distance from Proposed Development (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
66		330343	733392	244	34.7	Medium	Low	Minor	Proceed to Tier 2
67	5 Balruddery Cottages	330372	733249	175	37.2	Medium	Low	Minor	Proceed to Tier 2
68	4 Balruddery Cottages	330382	733248	165	37.6	Medium	Low	Minor	Proceed to Tier 2
69	3 Balruddery Cottages	330390	733246	157	38.1	Medium	Low	Minor	Proceed to Tier 2
70	2 Balruddery Cottages	330400	733244	147	38.5	Medium	Low	Minor	Proceed to Tier 2
71		330385	733231	158	38.1	Medium	Low	Minor	Proceed to Tier 2
72		330397	732954	150	38.5	Medium	Low	Minor	Proceed to Tier 2
73	Balruddery Farm	330355	732899	194	36.7	Medium	Low	Minor	Proceed to Tier 2
74		330408	732877	142	39.0	Medium	Medium	Moderate	Proceed to Tier 2
75	West Ladyfield	330468	732362	99	41.3	Medium	Medium	Moderate	Proceed to Tier 2
76	East Ladyfield Cottage	330509	732355	58	44.2	Medium	High	Major	Proceed to Tier 2
77	Fifebanks Farm	330507	732224	65	44.2	Medium	High	Major	Proceed to Tier 2
78	Fifebanks Farm	330466	732218	106	40.7	Medium	Medium	Moderate	Proceed to Tier 2
79	Fifebank Farm Cottage	330505	732155	69	43.3	Medium	Medium	Moderate	Proceed to Tier 2
80		330523	731405	69	43.3	Medium	Medium	Moderate	Proceed to Tier 2
81		330523	731405	69	43.3	Medium	Medium	Moderate	Proceed to Tier 2
82	North Cottage	330509	731178	71	43.3	Medium	Medium	Moderate	Proceed to Tier 2
83	1 Carmichaels Farm Cottages	330479	731164	100	41.3	Medium	Medium	Moderate	Proceed to Tier 2
84		330476	731163	103	41.3	Medium	Medium	Moderate	Proceed to Tier 2
85	South Cottage	330514	731158	65	43.3	Medium	Medium	Moderate	Proceed to Tier 2
86	Carmichael Farm	330520	731136	58	44.2	Medium	High	Major	Proceed to Tier 2
87	Carmichael Farm	330526	731116	51	45.1	Medium	High	Major	Proceed to Tier 2

NSR	Name	Coordinate (X)	Coordinate (Y)	Distance from Proposed Development (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
88	Lilacs	330822	730538	236	34.7	Medium	Low	Minor	Proceed to Tier 2
89	Torrview	330783	730533	198	36.3	Medium	Low	Minor	Proceed to Tier 2
90	Springwood	330757	730524	172	37.6	Medium	Low	Minor	Proceed to Tier 2
91	Tolstadh	330729	730520	145	39.0	Medium	Medium	Moderate	Proceed to Tier 2
92	Elmbank	330663	730485	81	42.6	Medium	Medium	Moderate	Proceed to Tier 2
93	Elmbank House	330700	730480	118	40.1	Medium	Medium	Moderate	Proceed to Tier 2
94	Brae Villa	330716	730455	135	39.0	Medium	Medium	Moderate	Proceed to Tier 2
95	The Gables	330748	730397	170	37.6	Medium	Low	Minor	Proceed to Tier 2
96	Broadleaf	330754	730365	178	37.2	Medium	Low	Minor	Proceed to Tier 2
97	Viewlands	330765	730345	190	36.7	Medium	Low	Minor	Proceed to Tier 2
98	2 Strawberrybank	330781	730318	208	35.9	Medium	Low	Minor	Proceed to Tier 2
99	1 Strawberrybank	330773	730318	200	36.3	Medium	Low	Minor	Proceed to Tier 2
100	Ancrum	330416	730230	88	41.9	Medium	Medium	Moderate	Proceed to Tier 2
101		330395	730223	101	41.3	Medium	Medium	Moderate	Proceed to Tier 2
102	The Coireachan House	330376	730218	114	40.7	Medium	Medium	Moderate	Proceed to Tier 2
103	Wellwood New House	330417	730203	72	43.3	Medium	Medium	Moderate	Proceed to Tier 2
104	Braeview	330385	730188	90	41.9	Medium	Medium	Moderate	Proceed to Tier 2
105	Failte House	330435	730170	38	46.1	Medium	High	Major	Proceed to Tier 2
106	Wellwood	330429	730162	39	46.1	Medium	High	Major	Proceed to Tier 2
107	Yeppoon House	330408	730160	55	44.2	Medium	High	Major	Proceed to Tier 2
108	X	330424	730123	39	46.1	Medium	High	Major	Proceed to Tier 2
109	X	330431	730102	26	47.3	Medium	High	Major	Proceed to Tier 2
110		330736	730053	235	35.1	Medium	Low	Minor	Proceed to Tier 2

NSR	Name	Coordinate (X)	Coordinate (Y)	Distance from Proposed Development (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
111		330740	730017	258	34.0	Medium	Negligible	Negligible	Acceptable
112	Woodlands Lodge	330164	730015	173	37.6	Medium	Low	Minor	Proceed to Tier 2
113		330437	729996	20	48.7	low	High	Moderate	Proceed to Tier 2
114	Southwinds 13 Holding Castle Huntly	330493	729986	72	43.3	Medium	Medium	Moderate	Proceed to Tier 2
115		330293	729976	45	45.1	Medium	High	Major	Proceed to Tier 2
116		330231	729973	94	41.9	Medium	Medium	Moderate	Proceed to Tier 2
117	Carseview	330264	729972	67	43.3	Medium	Medium	Moderate	Proceed to Tier 2
118		330468	729969	61	44.2	Medium	High	Major	Proceed to Tier 2
119	Jessack	330228	729966	93	41.9	Medium	Medium	Moderate	Proceed to Tier 2
120	10 Holding Castle Huntly	330163	729963	145	39.0	Medium	Medium	Moderate	Proceed to Tier 2
121	Castle Ridge	330200	729961	113	40.7	Medium	Medium	Moderate	Proceed to Tier 2
122		330163	729961	143	39.0	Medium	Medium	Moderate	Proceed to Tier 2
123	Alvegg	330137	729955	161	38.1	Medium	Low	Minor	Proceed to Tier 2
124	Cabernet	330110	729950	181	37.2	Medium	Low	Minor	Proceed to Tier 2
125		330676	729948	245	34.7	Medium	Low	Minor	Proceed to Tier 2
126	9 Holding Castle Huntly	330073	729944	208	35.9	Medium	Low	Minor	Proceed to Tier 2
127		330418	729940	36	46.1	low	High	Moderate	Proceed to Tier 2
128		330046	729940	227	35.1	Medium	Low	Minor	Proceed to Tier 2
129		330414	729939	34	47.3	low	High	Moderate	Proceed to Tier 2
130		330679	729938	253	34.3	Medium	Low	Minor	Proceed to Tier 2
131		330651	729937	230	35.1	Medium	Low	Minor	Proceed to Tier 2
132		330666	729935	244	34.7	Medium	Low	Minor	Proceed to Tier 2

NSR	Name	Coordinate (X)	Coordinate (Y)	Distance from Proposed Development (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
133	Castle View	330023	729934	243	34.7	Medium	Low	Minor	Proceed to Tier 2
134		330639	729933	223	35.5	Medium	Low	Minor	Proceed to Tier 2
135		330513	729930	120	40.1	Medium	Medium	Moderate	Proceed to Tier 2
136	Castle Huntly	330398	729928	27	47.3	low	High	Moderate	Proceed to Tier 2
137		330627	729928	216	35.5	Medium	Low	Minor	Proceed to Tier 2
138		330677	729926	258	34.0	Medium	Negligible	Negligible	Acceptable
139		330617	729925	209	35.9	Medium	Low	Minor	Proceed to Tier 2
140		330581	729924	180	37.2	Medium	Low	Minor	Proceed to Tier 2
141		330606	729921	202	36.3	Medium	Low	Minor	Proceed to Tier 2
142		330519	729916	133	39.5	Medium	Medium	Moderate	Proceed to Tier 2
143		330490	729915	110	40.7	Medium	Medium	Moderate	Proceed to Tier 2
144		330585	729914	189	36.7	Medium	Low	Minor	Proceed to Tier 2
145		330478	729907	104	41.3	Medium	Medium	Moderate	Proceed to Tier 2
146		330657	729905	253	34.3	Medium	Low	Minor	Proceed to Tier 2
147		330589	729903	198	36.3	Medium	Low	Minor	Proceed to Tier 2
148		330520	729901	142	39.0	Medium	Medium	Moderate	Proceed to Tier 2
149		330466	729901	98	41.3	Medium	Medium	Moderate	Proceed to Tier 2
150		330639	729899	242	34.7	Medium	Low	Minor	Proceed to Tier 2
151		330629	729894	236	34.7	Medium	Low	Minor	Proceed to Tier 2
152		330457	729891	96	41.3	Medium	Medium	Moderate	Proceed to Tier 2
153		330619	729890	230	35.1	Medium	Low	Minor	Proceed to Tier 2
154		330520	729888	150	38.5	Medium	Low	Minor	Proceed to Tier 2
155		330443	729888	86	41.9	Medium	Medium	Moderate	Proceed to Tier 2

NSR	Name	Coordinate (X)	Coordinate (Y)	Distance from Proposed Development (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
156		330553	729886	178	37.2	Medium	Low	Minor	Proceed to Tier 2
157		330609	729885	225	35.1	Medium	Low	Minor	Proceed to Tier 2
158		330415	729883	66	43.3	Medium	Medium	Moderate	Proceed to Tier 2
159		330527	729879	161	38.1	Medium	Low	Minor	Proceed to Tier 2
160		330471	729878	115	40.1	Medium	Medium	Moderate	Proceed to Tier 2
161		330603	729876	225	35.1	Medium	Low	Minor	Proceed to Tier 2
162		330419	729871	77	42.6	Medium	Medium	Moderate	Proceed to Tier 2
163		330590	729870	218	35.5	Medium	Low	Minor	Proceed to Tier 2
164		330490	729869	136	39.0	Medium	Medium	Moderate	Proceed to Tier 2
165		330537	729863	178	37.2	Medium	Low	Minor	Proceed to Tier 2
166		330582	729863	215	35.5	Medium	Low	Minor	Proceed to Tier 2
167		330425	729860	88	41.9	Medium	Medium	Moderate	Proceed to Tier 2
168		330495	729859	146	38.5	Medium	Low	Minor	Proceed to Tier 2
169		330460	729855	119	40.1	Medium	Medium	Moderate	Proceed to Tier 2
170		330573	729855	212	35.9	Medium	Low	Minor	Proceed to Tier 2
171		330431	729850	98	41.3	Medium	Medium	Moderate	Proceed to Tier 2
172		330564	729847	209	35.9	Medium	Low	Minor	Proceed to Tier 2
173		330464	729845	128	39.5	Medium	Medium	Moderate	Proceed to Tier 2
174		330507	729840	166	37.6	Medium	Low	Minor	Proceed to Tier 2
175		330557	729839	208	35.9	Medium	Low	Minor	Proceed to Tier 2
176		330548	729838	201	36.3	Medium	Low	Minor	Proceed to Tier 2
177		330436	729837	110	40.7	Medium	Medium	Moderate	Proceed to Tier 2
178		330470	729836	138	39.0	Medium	Medium	Moderate	Proceed to Tier 2

NSR	Name	Coordinate (X)	Coordinate (Y)	Distance from Proposed Development (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
179		330497	729834	162	38.1	Medium	Low	Minor	Proceed to Tier 2
180		330442	729828	120	40.1	Medium	Medium	Moderate	Proceed to Tier 2
181		330538	729828	199	36.3	Medium	Low	Minor	Proceed to Tier 2
182		330480	729820	156	38.1	Medium	Low	Minor	Proceed to Tier 2
183		330532	729820	198	36.3	Medium	Low	Minor	Proceed to Tier 2
184		330522	729812	195	36.7	Medium	Low	Minor	Proceed to Tier 2
185		330455	729807	143	39.0	Medium	Medium	Moderate	Proceed to Tier 2
186		330511	729806	189	36.7	Medium	Low	Minor	Proceed to Tier 2
187		330447	729801	140	39.0	Medium	Medium	Moderate	Proceed to Tier 2
188		330491	729800	176	37.2	Medium	Low	Minor	Proceed to Tier 2
189		330440	729797	136	39.0	Medium	Medium	Moderate	Proceed to Tier 2
190		330495	729783	189	36.7	Medium	Low	Minor	Proceed to Tier 2
191		330568	729772	255	34.0	Medium	Negligible	Negligible	Acceptable
192		330497	729770	198	36.3	Medium	Low	Minor	Proceed to Tier 2
193		330551	729758	249	34.3	Medium	Low	Minor	Proceed to Tier 2
194		330489	729665	252	34.3	Medium	Low	Minor	Proceed to Tier 2
195	Drumsneddie Cottage	329951	729647	138	39.0	Medium	Medium	Moderate	Proceed to Tier 2
196	North Lodge	330419	729586	239	34.7	Medium	Low	Minor	Proceed to Tier 2
197		330396	729528	254	34.3	Medium	Low	Minor	Proceed to Tier 2
198		330394	729525	254	34.3	Medium	Low	Minor	Proceed to Tier 2
199		330388	729506	260	34.0	Medium	Negligible	Negligible	Acceptable
200		330275	729430	210	35.9	Medium	Low	Minor	Proceed to Tier 2
201		330330	729430	256	34.0	Medium	Negligible	Negligible	Acceptable

NSR	Name	Coordinate (X)	Coordinate (Y)	Distance from Proposed Development (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
202		330312	729429	241	34.7	Medium	Low	Minor	Proceed to Tier 2
203		330333	729428	259	34.0	Medium	Negligible	Negligible	Acceptable
204		330307	729426	239	34.7	Medium	Low	Minor	Proceed to Tier 2
205		330284	729410	229	35.1	Medium	Low	Minor	Proceed to Tier 2
206		330245	729407	199	36.3	Medium	Low	Minor	Proceed to Tier 2
207		330214	729397	179	37.2	Medium	Low	Minor	Proceed to Tier 2
208		330276	729353	255	34.0	Medium	Negligible	Negligible	Acceptable
209		330180	729339	184	37.2	Medium	Low	Minor	Proceed to Tier 2
210		330177	729332	186	36.7	Medium	Low	Minor	Proceed to Tier 2
211		330173	729325	187	36.7	Medium	Low	Minor	Proceed to Tier 2
212		330171	729319	188	36.7	Medium	Low	Minor	Proceed to Tier 2
213		330191	729317	206	35.9	Medium	Low	Minor	Proceed to Tier 2
214		330193	729317	208	35.9	Medium	Low	Minor	Proceed to Tier 2
215		330207	729316	220	35.5	Medium	Low	Minor	Proceed to Tier 2
216		330168	729313	189	36.7	Medium	Low	Minor	Proceed to Tier 2
217		330211	729311	226	35.1	Medium	Low	Minor	Proceed to Tier 2
218		330165	729308	190	36.7	Medium	Low	Minor	Proceed to Tier 2
219		330217	729308	232	35.1	Medium	Low	Minor	Proceed to Tier 2
220		330227	729307	241	34.7	Medium	Low	Minor	Proceed to Tier 2
221		330162	729302	191	36.7	Medium	Low	Minor	Proceed to Tier 2
222		330159	729295	192	36.7	Medium	Low	Minor	Proceed to Tier 2
223		330156	729290	193	36.7	Medium	Low	Minor	Proceed to Tier 2
224		330206	729273	243	34.7	Medium	Low	Minor	Proceed to Tier 2

NSR	Name	Coordinate (X)	Coordinate (Y)	Distance from Proposed Development (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
225		330215	729272	251	34.3	Medium	Low	Minor	Proceed to Tier 2
226		330221	729266	260	34.0	Medium	Negligible	Negligible	Acceptable
227		330091	729229	174	37.6	Medium	Low	Minor	Proceed to Tier 2
228		330091	729229	174	37.6	Medium	Low	Minor	Proceed to Tier 2
229		328541	728352	246	34.3	Medium	Low	Minor	Proceed to Tier 2
230		328534	728335	236	34.7	Medium	Low	Minor	Proceed to Tier 2
231		328513	728309	227	35.1	Medium	Low	Minor	Proceed to Tier 2
232		328498	728307	234	35.1	Medium	Low	Minor	Proceed to Tier 2
233		328480	728306	243	34.7	Medium	Low	Minor	Proceed to Tier 2
234		328466	728304	250	34.3	Medium	Low	Minor	Proceed to Tier 2
235		328454	728302	255	34.3	Medium	Low	Minor	Proceed to Tier 2
236	1 West Mains Farm Cottages	327999	727820	119	40.1	Medium	Medium	Moderate	Proceed to Tier 2
237		328000	727816	115	40.1	Medium	Medium	Moderate	Proceed to Tier 2
238	2 West Mains Farm Cottages	328003	727811	110	40.7	Medium	Medium	Moderate	Proceed to Tier 2
239	Balgay Farm	326991	727279	251	34.3	Medium	Low	Minor	Proceed to Tier 2
240	2 Balgay Farm Cottages	327128	727214	120	40.1	Medium	Medium	Moderate	Proceed to Tier 2
241		327112	727211	126	39.5	Medium	Medium	Moderate	Proceed to Tier 2
242	1 Balgay Farm Cottages	327101	727209	131	39.5	Medium	Medium	Moderate	Proceed to Tier 2
243	Balgay Farm	327023	727169	143	39.0	Medium	Medium	Moderate	Proceed to Tier 2
244		326953	727141	160	38.1	Medium	Low	Minor	Proceed to Tier 2
245	Plaistow	324703	725785	193	36.7	Medium	Low	Minor	Proceed to Tier 2
246	East Inchmichael	324860	725506	85	41.9	Medium	Medium	Moderate	Proceed to Tier 2

NSR	Name	Coordinate (X)	Coordinate (Y)	Distance from Proposed Development (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
247	East Inchmichael	324891	725450	146	38.5	Medium	Low	Minor	Proceed to Tier 2
248	East Inchmichael	324897	725435	154	38.5	Medium	Low	Minor	Proceed to Tier 2
249	East Inchmichael	324991	725388	251	34.3	Medium	Low	Minor	Proceed to Tier 2
250	East Inchmichael	324932	725380	198	36.3	Medium	Low	Minor	Proceed to Tier 2
251		324968	725340	241	34.7	Medium	Low	Minor	Proceed to Tier 2
252	East Inchmichael	324954	725297	234	35.1	Medium	Low	Minor	Proceed to Tier 2
253		324930	725238	220	35.5	Medium	Low	Minor	Proceed to Tier 2
254	South Inchmichael Farm	324884	725225	177	37.2	Medium	Low	Minor	Proceed to Tier 2
255		324856	725199	153	38.5	Medium	Low	Minor	Proceed to Tier 2
256		324833	725192	132	39.5	Medium	Medium	Moderate	Proceed to Tier 2
257	Warheads Farm	324766	724294	220	35.5	Medium	Low	Minor	Proceed to Tier 2
258	Inchcoonans Farm	324097	723895	131	39.5	Medium	Medium	Moderate	Proceed to Tier 2
259	Inchcoonans	323623	723737	63	44.2	Medium	High	Major	Proceed to Tier 2
260		323738	723672	172	37.6	Medium	Low	Minor	Proceed to Tier 2
261		323761	723645	206	35.9	Medium	Low	Minor	Proceed to Tier 2
262	Inchcoonans	323721	723632	200	36.3	Medium	Low	Minor	Proceed to Tier 2
263	Inchcoonans House	323736	723610	227	35.1	Medium	Low	Minor	Proceed to Tier 2
264	Inchcoonans	323686	723601	213	35.9	Medium	Low	Minor	Proceed to Tier 2
265	Loanfoot Gates Cottage	323081	723444	97	41.3	Medium	Medium	Moderate	Proceed to Tier 2
266		322481	723385	254	34.3	Medium	Low	Minor	Proceed to Tier 2
267		322481	723384	254	34.3	Medium	Low	Minor	Proceed to Tier 2
268	Hillview	322518	723342	198	36.3	Medium	Low	Minor	Proceed to Tier 2
269	Murie Crossing Cottage	322533	723201	88	41.9	Medium	Medium	Moderate	Proceed to Tier 2

NSR	Name	Coordinate (X)	Coordinate (Y)	Distance from Proposed Development (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
270	Fonnes Murie Crossing	322533	723199	86	41.9	Medium	Medium	Moderate	Proceed to Tier 2
271	Rose Cottage	322537	723180	70	43.3	Medium	Medium	Moderate	Proceed to Tier 2
272		322619	723032	51	45.1	Medium	High	Major	Proceed to Tier 2
273	Woods Of Murie	322609	723020	52	45.1	Medium	High	Major	Proceed to Tier 2
274		322004	722669	87	41.9	Medium	Medium	Moderate	Proceed to Tier 2
275	North Cottage Ardgaith Farm	321993	722668	94	41.9	Medium	Medium	Moderate	Proceed to Tier 2
276	East Cottage Ardgaith Farm	321962	722634	92	41.9	Medium	Medium	Moderate	Proceed to Tier 2
277	West Cottage Ardgaith Farm	321957	722632	94	41.9	Medium	Medium	Moderate	Proceed to Tier 2
278	Ardgaith Farm	321771	722593	198	36.3	Medium	Low	Minor	Proceed to Tier 2
279	South Cottage Ardgaith Farm	321973	722589	53	45.1	Medium	High	Major	Proceed to Tier 2
280	Ross Farmhouse	321064	721969	245	34.3	Medium	Low	Minor	Proceed to Tier 2
281	Sparrowmuir Cottage	321352	721930	40	46.1	Medium	High	Major	Proceed to Tier 2
282	Viewfield Cottage	321219	721918	107	40.7	Medium	Medium	Moderate	Proceed to Tier 2
283	Ross Farm Cottage	321223	721888	82	42.6	Medium	Medium	Moderate	Proceed to Tier 2
284	Whiteriggs House	321375	721692	125	40.1	Medium	Medium	Moderate	Proceed to Tier 2
285	Leetown	321343	721661	128	39.5	Medium	Medium	Moderate	Proceed to Tier 2
286	Cauldcotts	321435	721629	212	35.9	Medium	Low	Minor	Proceed to Tier 2
287		321427	721627	208	35.9	Medium	Low	Minor	Proceed to Tier 2
288		321413	721626	200	36.3	Medium	Low	Minor	Proceed to Tier 2
289	Cauldcotts	321420	721624	206	35.9	Medium	Low	Minor	Proceed to Tier 2

NSR	Name	Coordinate (X)	Coordinate (Y)	Distance from Proposed Development (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
290		321200	721600	84	42.6	Medium	Medium	Moderate	Proceed to Tier 2
291		321220	721572	119	40.1	Medium	Medium	Moderate	Proceed to Tier 2
292		321255	721553	156	38.1	Medium	Low	Minor	Proceed to Tier 2
293	14 Leetown	321240	721543	154	38.5	Medium	Low	Minor	Proceed to Tier 2
294	13 Leetown	321229	721541	148	38.5	Medium	Low	Minor	Proceed to Tier 2
295		321143	721536	97	41.3	Medium	Medium	Moderate	Proceed to Tier 2
296	12 Leetown	321216	721532	147	38.5	Medium	Low	Minor	Proceed to Tier 2
297	11 Leetown	321204	721528	142	39.0	Medium	Medium	Moderate	Proceed to Tier 2
298	10 Leetown	321192	721518	143	39.0	Medium	Medium	Moderate	Proceed to Tier 2
299	9 Leetown	321178	721511	139	39.0	Medium	Medium	Moderate	Proceed to Tier 2
300	8 Leetown	321166	721506	135	39.0	Medium	Medium	Moderate	Proceed to Tier 2
301	Leetown	321000	721504	37	46.1	Medium	High	Major	Proceed to Tier 2
302		321140	721504	120	40.1	Medium	Medium	Moderate	Proceed to Tier 2
303		321140	721504	120	40.1	Medium	Medium	Moderate	Proceed to Tier 2
304		321140	721504	120	40.1	Medium	Medium	Moderate	Proceed to Tier 2
305		321100	721500	98	41.3	Medium	Medium	Moderate	Proceed to Tier 2
306	7 Leetown	321152	721498	132	39.5	Medium	Medium	Moderate	Proceed to Tier 2
307	6 Leetown	321139	721491	130	39.5	Medium	Medium	Moderate	Proceed to Tier 2
308	5 Leetown	321127	721484	127	39.5	Medium	Medium	Moderate	Proceed to Tier 2
309		321024	721480	65	44.2	Medium	High	Major	Proceed to Tier 2
310	4 Leetown	321111	721477	122	40.1	Medium	Medium	Moderate	Proceed to Tier 2
311		321026	721473	71	43.3	Medium	Medium	Moderate	Proceed to Tier 2
312	3 Leetown	321102	721471	121	40.1	Medium	Medium	Moderate	Proceed to Tier 2

NSR	Name	Coordinate (X)	Coordinate (Y)	Distance from Proposed Development (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
313	2 Leetown	321090	721464	119	40.1	Medium	Medium	Moderate	Proceed to Tier 2
314	Carseview	321006	721463	66	43.3	Medium	Medium	Moderate	Proceed to Tier 2
315	1 Leetown	321079	721458	117	40.1	Medium	Medium	Moderate	Proceed to Tier 2
316	Leetown	320924	721423	45	46.1	Medium	High	Major	Proceed to Tier 2
317		320757	721315	43	46.1	Medium	High	Major	Proceed to Tier 2
318	Chapelhill	320607	721297	185	36.7	Medium	Low	Minor	Proceed to Tier 2
319	Chapelhill	320647	721296	146	38.5	Medium	Low	Minor	Proceed to Tier 2
320	Chapelhill	320702	721294	92	41.9	Medium	Medium	Moderate	Proceed to Tier 2
321		320692	721292	101	41.3	Medium	Medium	Moderate	Proceed to Tier 2
322	Chapelhill	320588	721282	201	36.3	Medium	Low	Minor	Proceed to Tier 2
323	Chapelhill	320574	721275	213	35.9	Medium	Low	Minor	Proceed to Tier 2
324	Chapelhill	320624	721273	163	38.1	Medium	Low	Minor	Proceed to Tier 2
325	Chapelhill	320615	721269	171	37.6	Medium	Low	Minor	Proceed to Tier 2
326	Chapelhill	320568	721246	212	35.9	Medium	Low	Minor	Proceed to Tier 2
327	Chapelhill	320551	721243	228	35.1	Medium	Low	Minor	Proceed to Tier 2
328	Chapelhill	320560	721242	219	35.5	Medium	Low	Minor	Proceed to Tier 2
329	Chapelhill	320538	721233	239	34.7	Medium	Low	Minor	Proceed to Tier 2
330		320528	721228	248	34.3	Medium	Low	Minor	Proceed to Tier 2
331		320519	721222	255	34.0	Medium	Negligible	Negligible	Acceptable
332	Cottown	320511	721147	247	34.3	Medium	Low	Minor	Proceed to Tier 2
333	Cottown	320523	721132	232	35.1	Medium	Low	Minor	Proceed to Tier 2
334	Cottown	320524	721110	226	35.1	Medium	Low	Minor	Proceed to Tier 2
335	Cottown Cottage	320502	721103	246	34.3	Medium	Low	Minor	Proceed to Tier 2

NSR	Name	Coordinate (X)	Coordinate (Y)	Distance from Proposed Development (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
336		320511	721100	237	34.7	Medium	Low	Minor	Proceed to Tier 2
337	1 Cottown	320525	721078	218	35.5	Medium	Low	Minor	Proceed to Tier 2
338	Cottown	320530	721070	211	35.9	Medium	Low	Minor	Proceed to Tier 2
339	Willowview	320492	721059	220	35.5	Medium	Low	Minor	Proceed to Tier 2
340	Cottown	320543	721059	195	36.7	Medium	Low	Minor	Proceed to Tier 2
341	Newfields	320552	721046	179	37.2	Medium	Low	Minor	Proceed to Tier 2
342		320556	721032	165	38.1	Medium	Low	Minor	Proceed to Tier 2
343		320575	721023	148	38.5	Medium	Low	Minor	Proceed to Tier 2
344	Gallowflat Farm Cottage	320962	721022	197	36.3	Medium	Low	Minor	Proceed to Tier 2
345	Gallowflat Farm	320919	721017	152	38.5	Medium	Low	Minor	Proceed to Tier 2
346	Cottown	320602	720992	107	40.7	Medium	Medium	Moderate	Proceed to Tier 2
347	Cottown	320615	720972	83	42.6	Medium	Medium	Moderate	Proceed to Tier 2
348	The Cottar	320626	720958	66	43.3	Medium	Medium	Moderate	Proceed to Tier 2
349	Pitfour	320247	720956	251	34.3	Medium	Low	Minor	Proceed to Tier 2
350	Cottown	320629	720949	57	44.2	Medium	High	Major	Proceed to Tier 2
351		320248	720933	231	35.1	Medium	Low	Minor	Proceed to Tier 2
352		320259	720912	207	35.9	Medium	Low	Minor	Proceed to Tier 2
353	Upper Mains Of Pitfour	320327	720904	167	37.6	Medium	Low	Minor	Proceed to Tier 2
354		320259	720902	198	36.3	Medium	Low	Minor	Proceed to Tier 2
355		320309	720901	173	37.6	Medium	Low	Minor	Proceed to Tier 2
356		320263	720892	188	36.7	Medium	Low	Minor	Proceed to Tier 2
357		320266	720892	186	36.7	Medium	Low	Minor	Proceed to Tier 2
358	East Mains Of Pitfour	320355	720886	137	39.0	Medium	Medium	Moderate	Proceed to Tier 2

NSR	Name	Coordinate (X)	Coordinate (Y)	Distance from Proposed Development (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
359	Inchmar Pitfour	320243	720872	180	37.2	Medium	Low	Minor	Proceed to Tier 2
360	Upper Mains Of Pitfour	320295	720871	154	38.5	Medium	Low	Minor	Proceed to Tier 2
361	Trinity House	320273	720845	142	39.0	Medium	Medium	Moderate	Proceed to Tier 2
362		320267	720805	110	40.7	Medium	Medium	Moderate	Proceed to Tier 2
363		320728	720788	91	41.9	Medium	Medium	Moderate	Proceed to Tier 2
364	Pitfour	320264	720763	75	43.3	Medium	Medium	Moderate	Proceed to Tier 2
365		320718	720714	150	38.5	medium	Low	Minor	Proceed to Tier 2
366	Oakdene	320638	720711	113	40.7	Medium	Medium	Moderate	Proceed to Tier 2
367		320238	720689	43	46.1	Medium	High	Major	Proceed to Tier 2
368	Cottown	320738	720673	196	36.3	Medium	Low	Minor	Proceed to Tier 2
369		319686	720645	256	34.0	Medium	Negligible	Negligible	Acceptable
370	Glencairn	319647	720625	257	34.0	Medium	Negligible	Negligible	Acceptable
371		319706	720611	216	35.5	Medium	Low	Minor	Proceed to Tier 2
372		319621	720536	192	36.7	Medium	Low	Minor	Proceed to Tier 2
373	Cairnie House	319640	720468	124	40.1	Medium	Medium	Moderate	Proceed to Tier 2
374	The Croy	319665	720436	83	42.6	Medium	Medium	Moderate	Proceed to Tier 2
375	Netherholm	319669	720386	38	46.1	Medium	High	Major	Proceed to Tier 2
376	2 Nethermains Cottages	319967	720175	250	34.3	Medium	Low	Minor	Proceed to Tier 2
377		319970	720175	252	34.3	Medium	Low	Minor	Proceed to Tier 2
378	1 Nethermains Cottages	319930	720168	238	34.7	Medium	Low	Minor	Proceed to Tier 2
379	Hunterhall Cottage	319674	720088	182	37.2	Medium	Low	Minor	Proceed to Tier 2
380	Hunterhall House	319674	720073	195	36.7	Medium	Low	Minor	Proceed to Tier 2
381	Easter Rhynd Farm	318504	718693	138	39.0	Medium	Medium	Moderate	Proceed to Tier 2

NSR	Name	Coordinate (X)	Coordinate (Y)	Distance from Proposed Development (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
382	Balgonie Cottage	319409	717352	173	37.6	Medium	Low	Minor	Proceed to Tier 2
383		319411	717294	207	35.9	Medium	Low	Minor	Proceed to Tier 2
384	Innernethy	319428	717239	228	35.1	Medium	Low	Minor	Proceed to Tier 2
385	2 Elmbank	319895	716959	37	46.1	Medium	High	Major	Proceed to Tier 2
386		319892	716956	41	46.1	Medium	High	Major	Proceed to Tier 2
387	1 Elmbank	319889	716953	45	45.1	Medium	High	Major	Proceed to Tier 2
388	Wester Greenside Farm	320302	716923	93	41.9	Medium	Medium	Moderate	Proceed to Tier 2
389		320236	716899	46	45.1	Medium	High	Major	Proceed to Tier 2
390		320245	716857	11	50.2	low	High	Moderate	Proceed to Tier 2
391		322926	714346	173	37.6	Medium	Low	Minor	Proceed to Tier 2

Table 14.6- 2 TGN(E)22 Tier 2 Result Summary

NSR	Distance from Centreline of Proposed Development (m)	Predicted Wet Noise (dB(A))	Predicted Dry Noise (dB(A))	Combined Wet and Dry Noise	Impact	Significance of Effect	Magnitude
1	157	38.1	13.1	28.2	No adverse impact	Negligible	Negligible
2	157	38.1	13.1	28.2	No adverse impact	Negligible	Negligible
3	248	34.3	9.3	24.5	No adverse impact	Negligible	Negligible
4	209	35.9	10.9	26.1	No adverse impact	Negligible	Negligible
5	177	37.2	12.2	27.3	No adverse impact	Negligible	Negligible
6	181	37.2	12.2	27.3	No adverse impact	Negligible	Negligible
7	210	35.9	10.9	26.1	No adverse impact	Negligible	Negligible
8	216	35.5	10.5	25.7	No adverse impact	Negligible	Negligible

NSR	Distance from Centreline of Proposed Development (m)	Predicted Wet Noise (dB(A))	Predicted Dry Noise (dB(A))	Combined Wet and Dry Noise	Impact	Significance of Effect	Magnitude
9	224	35.5	10.5	25.7	No adverse impact	Negligible	Negligible
10	162	38.1	13.1	28.2	No adverse impact	Negligible	Negligible
11	243	34.7	9.7	24.9	No adverse impact	Negligible	Negligible
12	138	39.0	14.0	29.2	No adverse impact	Negligible	Negligible
13	250	34.3	9.3	24.5	No adverse impact	Negligible	Negligible
14	58	44.2	19.2	34.3	No adverse impact	Negligible	Negligible
15	50	45.1	20.1	35.3	No adverse impact	Negligible	Negligible
16	87	41.9	16.9	32.1	No adverse impact	Negligible	Negligible
17	144	39.0	14.0	29.2	No adverse impact	Negligible	Negligible
18	174	37.6	12.6	27.8	No adverse impact	Negligible	Negligible
19	199	36.3	11.3	26.5	No adverse impact	Negligible	Negligible
20	242	34.7	9.7	24.9	No adverse impact	Negligible	Negligible
21	244	34.7	9.7	24.9	No adverse impact	Negligible	Negligible
22	253	34.3	9.3	24.5	No adverse impact	Negligible	Negligible
23	156	38.1	13.1	28.2	No adverse impact	Negligible	Negligible
24	122	40.1	15.1	30.3	No adverse impact	Negligible	Negligible
25	240	34.7	9.7	24.9	No adverse impact	Negligible	Negligible
26	210	35.9	10.9	26.1	No adverse impact	Negligible	Negligible
28	236	34.7	9.7	24.9	No adverse impact	Negligible	Negligible
29	212	35.9	10.9	26.1	No adverse impact	Negligible	Negligible

NSR	Distance from Centreline of Proposed Development (m)	Predicted Wet Noise (dB(A))	Predicted Dry Noise (dB(A))	Combined Wet and Dry Noise	Impact	Significance of Effect	Magnitude
30	188	36.7	11.7	26.9	No adverse impact	Negligible	Negligible
31	236	34.7	9.7	24.9	No adverse impact	Negligible	Negligible
32	215	35.5	10.5	25.7	No adverse impact	Negligible	Negligible
33	189	36.7	11.7	26.9	No adverse impact	Negligible	Negligible
34	165	38.1	13.1	28.2	No adverse impact	Negligible	Negligible
35	225	35.5	10.5	25.7	No adverse impact	Negligible	Negligible
36	197	36.3	11.3	26.5	No adverse impact	Negligible	Negligible
37	171	37.6	12.6	27.8	No adverse impact	Negligible	Negligible
38	151	38.5	13.5	28.7	No adverse impact	Negligible	Negligible
39	254	34.3	9.3	24.5	No adverse impact	Negligible	Negligible
40	211	35.9	10.9	26.1	No adverse impact	Negligible	Negligible
41	189	36.7	11.7	26.9	No adverse impact	Negligible	Negligible
42	137	39.0	14.0	29.2	No adverse impact	Negligible	Negligible
43	155	38.5	13.5	28.7	No adverse impact	Negligible	Negligible
44	186	36.7	11.7	26.9	No adverse impact	Negligible	Negligible
45	205	36.3	11.3	26.5	No adverse impact	Negligible	Negligible
46	150	38.5	13.5	28.7	No adverse impact	Negligible	Negligible
47	242	34.7	9.7	24.9	No adverse impact	Negligible	Negligible
48	128	39.5	14.5	29.7	No adverse impact	Negligible	Negligible
49	219	35.5	10.5	25.7	No adverse impact	Negligible	Negligible

NSR	Distance from Centreline of Proposed Development (m)	Predicted Wet Noise (dB(A))	Predicted Dry Noise (dB(A))	Combined Wet and Dry Noise	Impact	Significance of Effect	Magnitude
50	191	36.7	11.7	26.9	No adverse impact	Negligible	Negligible
51	153	38.5	13.5	28.7	No adverse impact	Negligible	Negligible
52	133	39.5	14.5	29.7	No adverse impact	Negligible	Negligible
53	213	35.9	10.9	26.1	No adverse impact	Negligible	Negligible
54	173	37.6	12.6	27.8	No adverse impact	Negligible	Negligible
55	192	36.7	11.7	26.9	No adverse impact	Negligible	Negligible
56	130	39.5	14.5	29.7	No adverse impact	Negligible	Negligible
57	87	41.9	16.9	32.1	No adverse impact	Negligible	Negligible
58	140	39.0	14.0	29.2	No adverse impact	Negligible	Negligible
59	15	50.2	25.2	40.3	No adverse impact	Negligible	Negligible
60	208	35.9	10.9	26.1	No adverse impact	Negligible	Negligible
61	251	34.3	9.3	24.5	No adverse impact	Negligible	Negligible
62	255	34.3	9.3	24.5	No adverse impact	Negligible	Negligible
63	255	34.3	9.3	24.5	No adverse impact	Negligible	Negligible
64	244	34.7	9.7	24.9	No adverse impact	Negligible	Negligible
65	225	35.5	10.5	25.7	No adverse impact	Negligible	Negligible
66	244	34.7	9.7	24.9	No adverse impact	Negligible	Negligible
67	175	37.2	12.2	27.3	No adverse impact	Negligible	Negligible
68	165	37.6	12.6	27.8	No adverse impact	Negligible	Negligible
69	157	38.1	13.1	28.2	No adverse impact	Negligible	Negligible

NSR	Distance from Centreline of Proposed Development (m)	Predicted Wet Noise (dB(A))	Predicted Dry Noise (dB(A))	Combined Wet and Dry Noise	Impact	Significance of Effect	Magnitude
70	147	38.5	13.5	28.7	No adverse impact	Negligible	Negligible
71	158	38.1	13.1	28.2	No adverse impact	Negligible	Negligible
72	150	38.5	13.5	28.7	No adverse impact	Negligible	Negligible
73	194	36.7	11.7	26.9	No adverse impact	Negligible	Negligible
74	142	39.0	14.0	29.2	No adverse impact	Negligible	Negligible
75	99	41.3	16.3	31.4	No adverse impact	Negligible	Negligible
76	58	44.2	19.2	34.3	No adverse impact	Negligible	Negligible
77	65	44.2	19.2	34.3	No adverse impact	Negligible	Negligible
78	106	40.7	15.7	30.8	No adverse impact	Negligible	Negligible
79	69	43.3	18.3	33.5	No adverse impact	Negligible	Negligible
80	69	43.3	18.3	33.5	No adverse impact	Negligible	Negligible
81	69	43.3	18.3	33.5	No adverse impact	Negligible	Negligible
82	71	43.3	18.3	33.5	No adverse impact	Negligible	Negligible
83	100	41.3	16.3	31.4	No adverse impact	Negligible	Negligible
84	103	41.3	16.3	31.4	No adverse impact	Negligible	Negligible
85	65	43.3	18.3	33.5	No adverse impact	Negligible	Negligible
86	58	44.2	19.2	34.3	No adverse impact	Negligible	Negligible
87	51	45.1	20.1	35.3	No adverse impact	Negligible	Negligible
88	236	34.7	9.7	24.9	No adverse impact	Negligible	Negligible
89	198	36.3	11.3	26.5	No adverse impact	Negligible	Negligible

NSR	Distance from Centreline of Proposed Development (m)	Predicted Wet Noise (dB(A))	Predicted Dry Noise (dB(A))	Combined Wet and Dry Noise	Impact	Significance of Effect	Magnitude
90	172	37.6	12.6	27.8	No adverse impact	Negligible	Negligible
91	145	39.0	14.0	29.2	No adverse impact	Negligible	Negligible
92	81	42.6	17.6	32.8	No adverse impact	Negligible	Negligible
93	118	40.1	15.1	30.3	No adverse impact	Negligible	Negligible
94	135	39.0	14.0	29.2	No adverse impact	Negligible	Negligible
95	170	37.6	12.6	27.8	No adverse impact	Negligible	Negligible
96	178	37.2	12.2	27.3	No adverse impact	Negligible	Negligible
97	190	36.7	11.7	26.9	No adverse impact	Negligible	Negligible
98	208	35.9	10.9	26.1	No adverse impact	Negligible	Negligible
99	200	36.3	11.3	26.5	No adverse impact	Negligible	Negligible
100	88	41.9	16.9	32.1	No adverse impact	Negligible	Negligible
101	101	41.3	16.3	31.4	No adverse impact	Negligible	Negligible
102	114	40.7	15.7	30.8	No adverse impact	Negligible	Negligible
103	72	43.3	18.3	33.5	No adverse impact	Negligible	Negligible
104	90	41.9	16.9	32.1	No adverse impact	Negligible	Negligible
105	38	46.1	21.1	36.3	No adverse impact	Negligible	Negligible
106	39	46.1	21.1	36.3	No adverse impact	Negligible	Negligible
107	55	44.2	19.2	34.3	No adverse impact	Negligible	Negligible
108	39	46.1	21.1	36.3	No adverse impact	Negligible	Negligible
109	26	47.3	22.3	37.5	Adverse Impact	Moderate/Minor	Medium/Low

NSR	Distance from Centreline of Proposed Development (m)	Predicted Wet Noise (dB(A))	Predicted Dry Noise (dB(A))	Combined Wet and Dry Noise	Impact	Significance of Effect	Magnitude
110	235	35.1	10.1	25.3	No adverse impact	Negligible	Negligible
112	173	37.6	12.6	27.8	No adverse impact	Negligible	Negligible
113	20	48.7	23.7	38.9	No adverse impact	Negligible	Negligible
114	72	43.3	18.3	33.5	No adverse impact	Negligible	Negligible
115	45	45.1	20.1	35.3	No adverse impact	Negligible	Negligible
116	94	41.9	16.9	32.1	No adverse impact	Negligible	Negligible
117	67	43.3	18.3	33.5	No adverse impact	Negligible	Negligible
118	61	44.2	19.2	34.3	No adverse impact	Negligible	Negligible
119	93	41.9	16.9	32.1	No adverse impact	Negligible	Negligible
120	145	39.0	14.0	29.2	No adverse impact	Negligible	Negligible
121	113	40.7	15.7	30.8	No adverse impact	Negligible	Negligible
122	143	39.0	14.0	29.2	No adverse impact	Negligible	Negligible
123	161	38.1	13.1	28.2	No adverse impact	Negligible	Negligible
124	181	37.2	12.2	27.3	No adverse impact	Negligible	Negligible
125	245	34.7	9.7	24.9	No adverse impact	Negligible	Negligible
126	208	35.9	10.9	26.1	No adverse impact	Negligible	Negligible
127	36	46.1	21.1	36.3	No adverse impact	Negligible	Negligible
128	227	35.1	10.1	25.3	No adverse impact	Negligible	Negligible
129	34	47.3	22.3	37.5	No adverse impact	Negligible	Negligible
130	253	34.3	9.3	24.5	No adverse impact	Negligible	Negligible

NSR	Distance from Centreline of Proposed Development (m)	Predicted Wet Noise (dB(A))	Predicted Dry Noise (dB(A))	Combined Wet and Dry Noise	Impact	Significance of Effect	Magnitude
131	230	35.1	10.1	25.3	No adverse impact	Negligible	Negligible
132	244	34.7	9.7	24.9	No adverse impact	Negligible	Negligible
133	243	34.7	9.7	24.9	No adverse impact	Negligible	Negligible
134	223	35.5	10.5	25.7	No adverse impact	Negligible	Negligible
135	120	40.1	15.1	30.3	No adverse impact	Negligible	Negligible
136	27	47.3	22.3	37.5	No adverse impact	Negligible	Negligible
137	216	35.5	10.5	25.7	No adverse impact	Negligible	Negligible
139	209	35.9	10.9	26.1	No adverse impact	Negligible	Negligible
140	180	37.2	12.2	27.3	No adverse impact	Negligible	Negligible
141	202	36.3	11.3	26.5	No adverse impact	Negligible	Negligible
142	133	39.5	14.5	29.7	No adverse impact	Negligible	Negligible
143	110	40.7	15.7	30.8	No adverse impact	Negligible	Negligible
144	189	36.7	11.7	26.9	No adverse impact	Negligible	Negligible
145	104	41.3	16.3	31.4	No adverse impact	Negligible	Negligible
146	253	34.3	9.3	24.5	No adverse impact	Negligible	Negligible
147	198	36.3	11.3	26.5	No adverse impact	Negligible	Negligible
148	142	39.0	14.0	29.2	No adverse impact	Negligible	Negligible
149	98	41.3	16.3	31.4	No adverse impact	Negligible	Negligible
150	242	34.7	9.7	24.9	No adverse impact	Negligible	Negligible
151	236	34.7	9.7	24.9	No adverse impact	Negligible	Negligible

NSR	Distance from Centreline of Proposed Development (m)	Predicted Wet Noise (dB(A))	Predicted Dry Noise (dB(A))	Combined Wet and Dry Noise	Impact	Significance of Effect	Magnitude
152	96	41.3	16.3	31.4	No adverse impact	Negligible	Negligible
153	230	35.1	10.1	25.3	No adverse impact	Negligible	Negligible
154	150	38.5	13.5	28.7	No adverse impact	Negligible	Negligible
155	86	41.9	16.9	32.1	No adverse impact	Negligible	Negligible
156	178	37.2	12.2	27.3	No adverse impact	Negligible	Negligible
157	225	35.1	10.1	25.3	No adverse impact	Negligible	Negligible
158	66	43.3	18.3	33.5	No adverse impact	Negligible	Negligible
159	161	38.1	13.1	28.2	No adverse impact	Negligible	Negligible
160	115	40.1	15.1	30.3	No adverse impact	Negligible	Negligible
161	225	35.1	10.1	25.3	No adverse impact	Negligible	Negligible
162	77	42.6	17.6	32.8	No adverse impact	Negligible	Negligible
163	218	35.5	10.5	25.7	No adverse impact	Negligible	Negligible
164	136	39.0	14.0	29.2	No adverse impact	Negligible	Negligible
165	178	37.2	12.2	27.3	No adverse impact	Negligible	Negligible
166	215	35.5	10.5	25.7	No adverse impact	Negligible	Negligible
167	88	41.9	16.9	32.1	No adverse impact	Negligible	Negligible
168	146	38.5	13.5	28.7	No adverse impact	Negligible	Negligible
169	119	40.1	15.1	30.3	No adverse impact	Negligible	Negligible
170	212	35.9	10.9	26.1	No adverse impact	Negligible	Negligible
171	98	41.3	16.3	31.4	No adverse impact	Negligible	Negligible

NSR	Distance from Centreline of Proposed Development (m)	Predicted Wet Noise (dB(A))	Predicted Dry Noise (dB(A))	Combined Wet and Dry Noise	Impact	Significance of Effect	Magnitude
172	209	35.9	10.9	26.1	No adverse impact	Negligible	Negligible
173	128	39.5	14.5	29.7	No adverse impact	Negligible	Negligible
174	166	37.6	12.6	27.8	No adverse impact	Negligible	Negligible
175	208	35.9	10.9	26.1	No adverse impact	Negligible	Negligible
176	201	36.3	11.3	26.5	No adverse impact	Negligible	Negligible
177	110	40.7	15.7	30.8	No adverse impact	Negligible	Negligible
178	138	39.0	14.0	29.2	No adverse impact	Negligible	Negligible
179	162	38.1	13.1	28.2	No adverse impact	Negligible	Negligible
180	120	40.1	15.1	30.3	No adverse impact	Negligible	Negligible
181	199	36.3	11.3	26.5	No adverse impact	Negligible	Negligible
182	156	38.1	13.1	28.2	No adverse impact	Negligible	Negligible
183	198	36.3	11.3	26.5	No adverse impact	Negligible	Negligible
184	195	36.7	11.7	26.9	No adverse impact	Negligible	Negligible
185	143	39.0	14.0	29.2	No adverse impact	Negligible	Negligible
186	189	36.7	11.7	26.9	No adverse impact	Negligible	Negligible
187	140	39.0	14.0	29.2	No adverse impact	Negligible	Negligible
188	176	37.2	12.2	27.3	No adverse impact	Negligible	Negligible
189	136	39.0	14.0	29.2	No adverse impact	Negligible	Negligible
190	189	36.7	11.7	26.9	No adverse impact	Negligible	Negligible
192	198	36.3	11.3	26.5	No adverse impact	Negligible	Negligible

NSR	Distance from Centreline of Proposed Development (m)	Predicted Wet Noise (dB(A))	Predicted Dry Noise (dB(A))	Combined Wet and Dry Noise	Impact	Significance of Effect	Magnitude
193	249	34.3	9.3	24.5	No adverse impact	Negligible	Negligible
194	252	34.3	9.3	24.5	No adverse impact	Negligible	Negligible
195	138	39.0	14.0	29.2	No adverse impact	Negligible	Negligible
196	239	34.7	9.7	24.9	No adverse impact	Negligible	Negligible
197	254	34.3	9.3	24.5	No adverse impact	Negligible	Negligible
198	254	34.3	9.3	24.5	No adverse impact	Negligible	Negligible
200	210	35.9	10.9	26.1	No adverse impact	Negligible	Negligible
202	241	34.7	9.7	24.9	No adverse impact	Negligible	Negligible
204	239	34.7	9.7	24.9	No adverse impact	Negligible	Negligible
205	229	35.1	10.1	25.3	No adverse impact	Negligible	Negligible
206	199	36.3	11.3	26.5	No adverse impact	Negligible	Negligible
207	179	37.2	12.2	27.3	No adverse impact	Negligible	Negligible
209	184	37.2	12.2	27.3	No adverse impact	Negligible	Negligible
210	186	36.7	11.7	26.9	No adverse impact	Negligible	Negligible
211	187	36.7	11.7	26.9	No adverse impact	Negligible	Negligible
212	188	36.7	11.7	26.9	No adverse impact	Negligible	Negligible
213	206	35.9	10.9	26.1	No adverse impact	Negligible	Negligible
214	208	35.9	10.9	26.1	No adverse impact	Negligible	Negligible
215	220	35.5	10.5	25.7	No adverse impact	Negligible	Negligible
216	189	36.7	11.7	26.9	No adverse impact	Negligible	Negligible

NSR	Distance from Centreline of Proposed Development (m)	Predicted Wet Noise (dB(A))	Predicted Dry Noise (dB(A))	Combined Wet and Dry Noise	Impact	Significance of Effect	Magnitude
217	226	35.1	10.1	25.3	No adverse impact	Negligible	Negligible
218	190	36.7	11.7	26.9	No adverse impact	Negligible	Negligible
219	232	35.1	10.1	25.3	No adverse impact	Negligible	Negligible
220	241	34.7	9.7	24.9	No adverse impact	Negligible	Negligible
221	191	36.7	11.7	26.9	No adverse impact	Negligible	Negligible
222	192	36.7	11.7	26.9	No adverse impact	Negligible	Negligible
223	193	36.7	11.7	26.9	No adverse impact	Negligible	Negligible
224	243	34.7	9.7	24.9	No adverse impact	Negligible	Negligible
225	251	34.3	9.3	24.5	No adverse impact	Negligible	Negligible
227	174	37.6	12.6	27.8	No adverse impact	Negligible	Negligible
228	174	37.6	12.6	27.8	No adverse impact	Negligible	Negligible
229	246	34.3	9.3	24.5	No adverse impact	Negligible	Negligible
230	236	34.7	9.7	24.9	No adverse impact	Negligible	Negligible
231	227	35.1	10.1	25.3	No adverse impact	Negligible	Negligible
232	234	35.1	10.1	25.3	No adverse impact	Negligible	Negligible
233	243	34.7	9.7	24.9	No adverse impact	Negligible	Negligible
234	250	34.3	9.3	24.5	No adverse impact	Negligible	Negligible
235	255	34.3	9.3	24.5	No adverse impact	Negligible	Negligible
236	119	40.1	15.1	30.3	No adverse impact	Negligible	Negligible
237	115	40.1	15.1	30.3	No adverse impact	Negligible	Negligible

NSR	Distance from Centreline of Proposed Development (m)	Predicted Wet Noise (dB(A))	Predicted Dry Noise (dB(A))	Combined Wet and Dry Noise	Impact	Significance of Effect	Magnitude
238	110	40.7	15.7	30.8	No adverse impact	Negligible	Negligible
239	251	34.3	9.3	24.5	No adverse impact	Negligible	Negligible
240	120	40.1	15.1	30.3	No adverse impact	Negligible	Negligible
241	126	39.5	14.5	29.7	No adverse impact	Negligible	Negligible
242	131	39.5	14.5	29.7	No adverse impact	Negligible	Negligible
243	143	39.0	14.0	29.2	No adverse impact	Negligible	Negligible
244	160	38.1	13.1	28.2	No adverse impact	Negligible	Negligible
245	193	36.7	11.7	26.9	No adverse impact	Negligible	Negligible
246	85	41.9	16.9	32.1	No adverse impact	Negligible	Negligible
247	146	38.5	13.5	28.7	No adverse impact	Negligible	Negligible
248	154	38.5	13.5	28.7	No adverse impact	Negligible	Negligible
249	251	34.3	9.3	24.5	No adverse impact	Negligible	Negligible
250	198	36.3	11.3	26.5	No adverse impact	Negligible	Negligible
251	241	34.7	9.7	24.9	No adverse impact	Negligible	Negligible
252	234	35.1	10.1	25.3	No adverse impact	Negligible	Negligible
253	220	35.5	10.5	25.7	No adverse impact	Negligible	Negligible
254	177	37.2	12.2	27.3	No adverse impact	Negligible	Negligible
255	153	38.5	13.5	28.7	No adverse impact	Negligible	Negligible
256	132	39.5	14.5	29.7	No adverse impact	Negligible	Negligible
257	220	35.5	10.5	25.7	No adverse impact	Negligible	Negligible

NSR	Distance from Centreline of Proposed Development (m)	Predicted Wet Noise (dB(A))	Predicted Dry Noise (dB(A))	Combined Wet and Dry Noise	Impact	Significance of Effect	Magnitude
258	131	39.5	14.5	29.7	No adverse impact	Negligible	Negligible
259	63	44.2	19.2	34.3	No adverse impact	Negligible	Negligible
260	172	37.6	12.6	27.8	No adverse impact	Negligible	Negligible
261	206	35.9	10.9	26.1	No adverse impact	Negligible	Negligible
262	200	36.3	11.3	26.5	No adverse impact	Negligible	Negligible
263	227	35.1	10.1	25.3	No adverse impact	Negligible	Negligible
264	213	35.9	10.9	26.1	No adverse impact	Negligible	Negligible
265	97	41.3	16.3	31.4	No adverse impact	Negligible	Negligible
266	254	34.3	9.3	24.5	No adverse impact	Negligible	Negligible
267	254	34.3	9.3	24.5	No adverse impact	Negligible	Negligible
268	198	36.3	11.3	26.5	No adverse impact	Negligible	Negligible
269	88	41.9	16.9	32.1	No adverse impact	Negligible	Negligible
270	86	41.9	16.9	32.1	No adverse impact	Negligible	Negligible
271	70	43.3	18.3	33.5	No adverse impact	Negligible	Negligible
272	51	45.1	20.1	35.3	No adverse impact	Negligible	Negligible
273	52	45.1	20.1	35.3	No adverse impact	Negligible	Negligible
274	87	41.9	16.9	32.1	No adverse impact	Negligible	Negligible
275	94	41.9	16.9	32.1	No adverse impact	Negligible	Negligible
276	92	41.9	16.9	32.1	No adverse impact	Negligible	Negligible
277	94	41.9	16.9	32.1	No adverse impact	Negligible	Negligible

NSR	Distance from Centreline of Proposed Development (m)	Predicted Wet Noise (dB(A))	Predicted Dry Noise (dB(A))	Combined Wet and Dry Noise	Impact	Significance of Effect	Magnitude
278	198	36.3	11.3	26.5	No adverse impact	Negligible	Negligible
279	53	45.1	-25.0	35.1	No adverse impact	Negligible	Negligible
280	245	34.3	9.3	24.5	No adverse impact	Negligible	Negligible
281	40	46.1	21.1	36.3	No adverse impact	Negligible	Negligible
282	107	40.7	15.7	30.8	No adverse impact	Negligible	Negligible
283	82	42.6	17.6	32.8	No adverse impact	Negligible	Negligible
284	125	40.1	15.1	30.3	No adverse impact	Negligible	Negligible
285	128	39.5	14.5	29.7	No adverse impact	Negligible	Negligible
286	212	35.9	10.9	26.1	No adverse impact	Negligible	Negligible
287	208	35.9	10.9	26.1	No adverse impact	Negligible	Negligible
288	200	36.3	11.3	26.5	No adverse impact	Negligible	Negligible
289	206	35.9	10.9	26.1	No adverse impact	Negligible	Negligible
290	84	42.6	17.6	32.8	No adverse impact	Negligible	Negligible
291	119	40.1	15.1	30.3	No adverse impact	Negligible	Negligible
292	156	38.1	13.1	28.2	No adverse impact	Negligible	Negligible
293	154	38.5	13.5	28.7	No adverse impact	Negligible	Negligible
294	148	38.5	13.5	28.7	No adverse impact	Negligible	Negligible
295	97	41.3	16.3	31.4	No adverse impact	Negligible	Negligible
296	147	38.5	13.5	28.7	No adverse impact	Negligible	Negligible
297	142	39.0	14.0	29.2	No adverse impact	Negligible	Negligible

NSR	Distance from Centreline of Proposed Development (m)	Predicted Wet Noise (dB(A))	Predicted Dry Noise (dB(A))	Combined Wet and Dry Noise	Impact	Significance of Effect	Magnitude
298	143	39.0	14.0	29.2	No adverse impact	Negligible	Negligible
299	139	39.0	-25.0	29.1	No adverse impact	Negligible	Negligible
300	135	39.0	14.0	29.2	No adverse impact	Negligible	Negligible
301	37	46.1	21.1	36.3	No adverse impact	Negligible	Negligible
302	120	40.1	15.1	30.3	No adverse impact	Negligible	Negligible
303	120	40.1	15.1	30.3	No adverse impact	Negligible	Negligible
304	120	40.1	15.1	30.3	No adverse impact	Negligible	Negligible
305	98	41.3	16.3	31.4	No adverse impact	Negligible	Negligible
306	132	39.5	14.5	29.7	No adverse impact	Negligible	Negligible
307	130	39.5	14.5	29.7	No adverse impact	Negligible	Negligible
308	127	39.5	14.5	29.7	No adverse impact	Negligible	Negligible
309	65	44.2	19.2	34.3	No adverse impact	Negligible	Negligible
310	122	40.1	15.1	30.3	No adverse impact	Negligible	Negligible
311	71	43.3	18.3	33.5	No adverse impact	Negligible	Negligible
312	121	40.1	15.1	30.3	No adverse impact	Negligible	Negligible
313	119	40.1	15.1	30.3	No adverse impact	Negligible	Negligible
314	66	43.3	18.3	33.5	No adverse impact	Negligible	Negligible
315	117	40.1	15.1	30.3	No adverse impact	Negligible	Negligible
316	45	46.1	21.1	36.3	No adverse impact	Negligible	Negligible
317	43	46.1	21.1	36.3	No adverse impact	Negligible	Negligible

NSR	Distance from Centreline of Proposed Development (m)	Predicted Wet Noise (dB(A))	Predicted Dry Noise (dB(A))	Combined Wet and Dry Noise	Impact	Significance of Effect	Magnitude
318	185	36.7	11.7	26.9	No adverse impact	Negligible	Negligible
319	146	38.5	13.5	28.7	No adverse impact	Negligible	Negligible
320	92	41.9	16.9	32.1	No adverse impact	Negligible	Negligible
321	101	41.3	16.3	31.4	No adverse impact	Negligible	Negligible
322	201	36.3	11.3	26.5	No adverse impact	Negligible	Negligible
323	213	35.9	10.9	26.1	No adverse impact	Negligible	Negligible
324	163	38.1	13.1	28.2	No adverse impact	Negligible	Negligible
325	171	37.6	12.6	27.8	No adverse impact	Negligible	Negligible
326	212	35.9	10.9	26.1	No adverse impact	Negligible	Negligible
327	228	35.1	10.1	25.3	No adverse impact	Negligible	Negligible
328	219	35.5	10.5	25.7	No adverse impact	Negligible	Negligible
329	239	34.7	9.7	24.9	No adverse impact	Negligible	Negligible
330	248	34.3	9.3	24.5	No adverse impact	Negligible	Negligible
332	247	34.3	9.3	24.5	No adverse impact	Negligible	Negligible
333	232	35.1	10.1	25.3	No adverse impact	Negligible	Negligible
334	226	35.1	10.1	25.3	No adverse impact	Negligible	Negligible
335	246	34.3	9.3	24.5	No adverse impact	Negligible	Negligible
336	237	34.7	9.7	24.9	No adverse impact	Negligible	Negligible
337	218	35.5	10.5	25.7	No adverse impact	Negligible	Negligible
338	211	35.9	10.9	26.1	No adverse impact	Negligible	Negligible

NSR	Distance from Centreline of Proposed Development (m)	Predicted Wet Noise (dB(A))	Predicted Dry Noise (dB(A))	Combined Wet and Dry Noise	Impact	Significance of Effect	Magnitude
339	220	35.5	10.5	25.7	No adverse impact	Negligible	Negligible
340	195	36.7	11.7	26.9	No adverse impact	Negligible	Negligible
341	179	37.2	12.2	27.3	No adverse impact	Negligible	Negligible
342	165	38.1	13.1	28.2	No adverse impact	Negligible	Negligible
343	148	38.5	13.5	28.7	No adverse impact	Negligible	Negligible
344	197	36.3	11.3	26.5	No adverse impact	Negligible	Negligible
345	152	38.5	13.5	28.7	No adverse impact	Negligible	Negligible
346	107	40.7	15.7	30.8	No adverse impact	Negligible	Negligible
347	83	42.6	17.6	32.8	No adverse impact	Negligible	Negligible
348	66	43.3	18.3	33.5	No adverse impact	Negligible	Negligible
349	251	34.3	9.3	24.5	No adverse impact	Negligible	Negligible
350	57	44.2	19.2	34.3	No adverse impact	Negligible	Negligible
351	231	35.1	10.1	25.3	No adverse impact	Negligible	Negligible
352	207	35.9	10.9	26.1	No adverse impact	Negligible	Negligible
353	167	37.6	12.6	27.8	No adverse impact	Negligible	Negligible
354	198	36.3	11.3	26.5	No adverse impact	Negligible	Negligible
355	173	37.6	12.6	27.8	No adverse impact	Negligible	Negligible
356	188	36.7	11.7	26.9	No adverse impact	Negligible	Negligible
357	186	36.7	11.7	26.9	No adverse impact	Negligible	Negligible
358	137	39.0	14.0	29.2	No adverse impact	Negligible	Negligible

NSR	Distance from Centreline of Proposed Development (m)	Predicted Wet Noise (dB(A))	Predicted Dry Noise (dB(A))	Combined Wet and Dry Noise	Impact	Significance of Effect	Magnitude
359	180	37.2	12.2	27.3	No adverse impact	Negligible	Negligible
360	154	38.5	13.5	28.7	No adverse impact	Negligible	Negligible
361	142	39.0	14.0	29.2	No adverse impact	Negligible	Negligible
362	110	40.7	15.7	30.8	No adverse impact	Negligible	Negligible
363	91	41.9	16.9	32.1	No adverse impact	Negligible	Negligible
364	75	43.3	18.3	33.5	No adverse impact	Negligible	Negligible
365	150	38.5	13.5	13.1	No adverse impact	Negligible	Negligible
366	113	40.7	15.7	30.8	No adverse impact	Negligible	Negligible
367	43	46.1	21.1	36.3	No adverse impact	Negligible	Negligible
368	196	36.3	11.3	26.5	No adverse impact	Negligible	Negligible
371	216	35.5	10.5	25.7	No adverse impact	Negligible	Negligible
372	192	36.7	11.7	26.9	No adverse impact	Negligible	Negligible
373	124	40.1	15.1	30.3	No adverse impact	Negligible	Negligible
374	83	42.6	17.6	32.8	No adverse impact	Negligible	Negligible
375	38	46.1	21.1	36.3	No adverse impact	Negligible	Negligible
376	250	34.3	9.3	24.5	No adverse impact	Negligible	Negligible
377	252	34.3	9.3	24.5	No adverse impact	Negligible	Negligible
378	238	34.7	9.7	24.9	No adverse impact	Negligible	Negligible
379	182	37.2	12.2	27.3	No adverse impact	Negligible	Negligible
380	195	36.7	11.7	26.9	No adverse impact	Negligible	Negligible

NSR	Distance from Centreline of Proposed Development (m)	Predicted Wet Noise (dB(A))	Predicted Dry Noise (dB(A))	Combined Wet and Dry Noise	Impact	Significance of Effect	Magnitude
381	138	39.0	14.0	29.2	No adverse impact	Negligible	Negligible
382	173	37.6	12.6	27.8	No adverse impact	Negligible	Negligible
383	207	35.9	10.9	26.1	No adverse impact	Negligible	Negligible
384	228	35.1	10.1	25.3	No adverse impact	Negligible	Negligible
385	37	46.1	21.1	36.3	No adverse impact	Negligible	Negligible
386	41	46.1	21.1	36.3	No adverse impact	Negligible	Negligible
387	45	45.1	20.1	35.3	No adverse impact	Negligible	Negligible
388	93	41.9	16.9	32.1	No adverse impact	Negligible	Negligible
389	46	45.1	20.1	35.3	No adverse impact	Negligible	Negligible
390	11	50.2	25.2	40.3	No adverse impact	Negligible	Negligible
391	173	37.6	12.6	27.8	No adverse impact	Negligible	Negligible

Table 14.6- 3 TGN(E)22 Tier 3 Result Summary

NSR	Distance from Centreline of Proposed Development (m)	Background Noise (dB(A))	Dry noise (dB(A))	Dry noise Rating	Dry Excess	Background in Wet Conditions (dB(A))	Wet Noise (dB(A))	Wet Noise Rating	Excess	Magnitude	Significance of Effect
109	26	35.3	20.5	23.5	-11.8	39.9	45.5	52	12	High	Major

1.1.1 The significance of effect for the external amenity of NSR 109 in nighttime conditions has been assessed as Major. However, the external amenity is not considered to be relevant at this time of day. For the purposes of sleep disturbance at night, the internal noise is assessed. The results presented in Table 14.6- 4 and Chart 14.6- 1 below show

that the internal noise does not exceed 30 dB or an NR 20 curve and therefore the overall impact magnitude is considered **low** and therefore a **minor** effect which is **not significant**.

Table 14.6- 4 Internal Noise Result Summary

NSR	External Noise Level (dB(A))	Level (dB(Z))								Magnitude	Significance of Effect
		63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	Total (dB(A))		
NR 25	--	55	44	35	29	25	22	20	-	-	-
NR 20	-	51	39	31	24	20	17	14	-	-	-
109	44.3	-14.3	-8.0	1.5	-13.2	-9.0	-9.6	-10.7	-2.2	Low	Minor

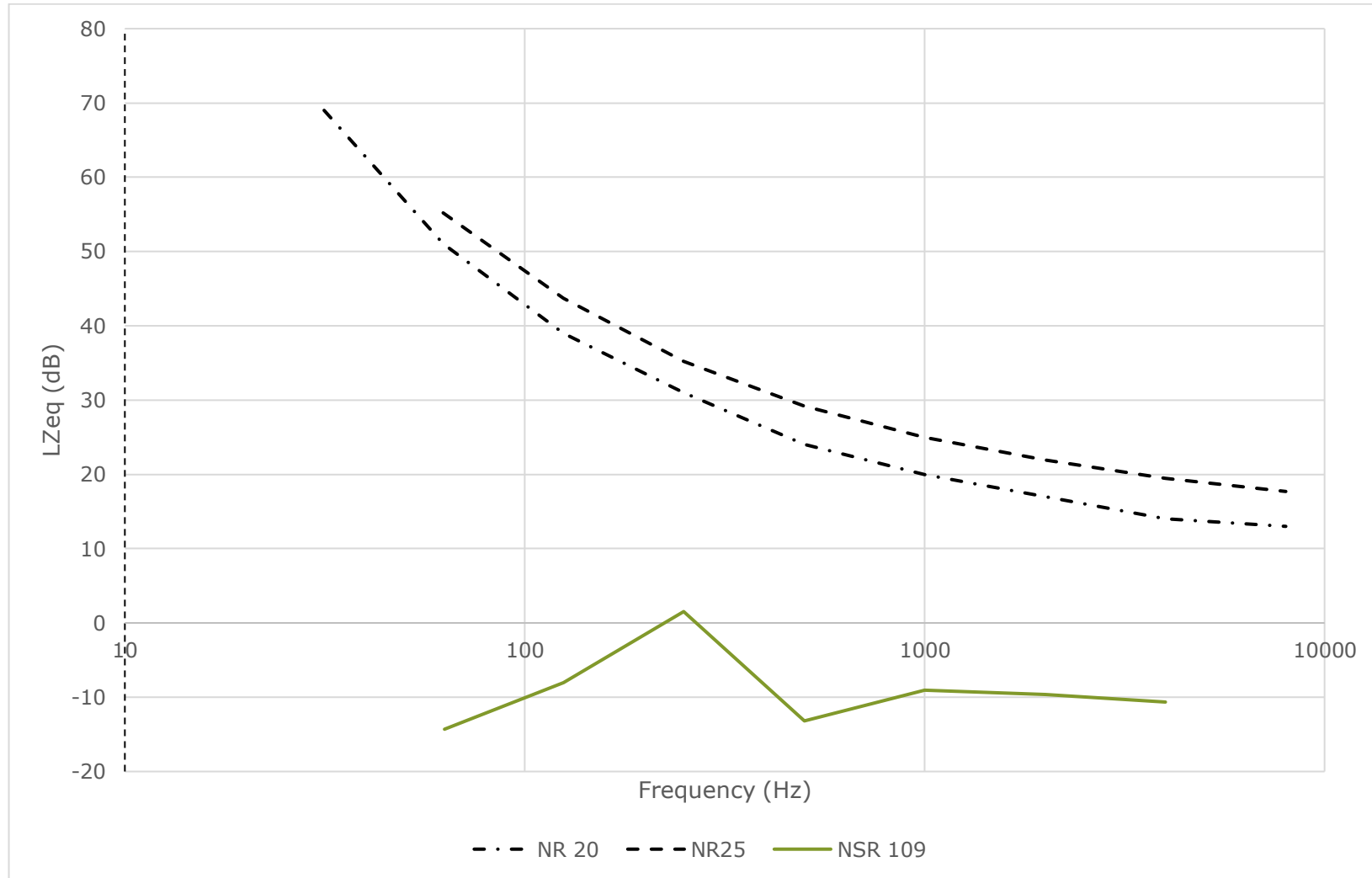


Chart 14.6- 1 Internal Noise Assessment of NSR 109 with NR Curves