

Appendix 12.8

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1. OHL Operational Noise Impact Assessment

This appendix presents the Operational Noise Impact Assessment for the Proposed Development. It should be read in conjunction with Chapter 12: Noise and Vibration and Chapter 4: Project Description of the EIAR for full details of the Proposed Development.

1.1 TGN(E)322 Assessment – Proposed Alignment

Tier 1 Assessment

Table 1.1: TGN(E)322 Tier 1 Result Summary

NSR	Name (If Specified)	Coordinate (X)	Coordinate (Y)	Distance From Centreline of Proposed Development (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
1	37 HAWKHILL ROAD	292836	738095	491	30.2	Medium	Negligible	Negligible	Acceptable
2	39 HAWKHILL ROAD	292834	738096	488	28.6	Medium	No Effect	Negligible	Acceptable
3	41 HAWKHILL ROAD	292831	738097	483	28.8	Medium	No Effect	Negligible	Acceptable
4	43 HAWKHILL ROAD	292829	738098	479	28.9	Medium	No Effect	Negligible	Acceptable
5	45 HAWKHILL ROAD	292826	738099	475	29.1	Medium	Negligible	Negligible	Acceptable
6	47 HAWKHILL ROAD	292824	738100	471	29.2	Medium	Negligible	Negligible	Acceptable
7	49 HAWKHILL ROAD	292822	738101	467	29.3	Medium	Negligible	Negligible	Acceptable
8	30 HAWKHILL ROAD	292846	738102	486	28.7	Medium	No Effect	Negligible	Acceptable
9	32 HAWKHILL ROAD	292840	738103	478	29.0	Medium	No Effect	Negligible	Acceptable
10	51 HAWKHILL ROAD	292812	738104	449	30.0	Medium	Negligible	Negligible	Acceptable

NSR	Name (If Specified)	Coordinate (X)	Coordinate (Y)	Distance From Centreline of Proposed Development (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
11	34 HAWKHILL ROAD	292838	738105	471	29.2	Medium	Negligible	Negligible	Acceptable
12	HAWKHILL FARM	292641	738106	250	37.5	Medium	Low	Minor	Proceed to Tier 2
13	32 BROOMKNOWE DRIVE	292881	738107	495	28.4	Medium	No Effect	Negligible	Acceptable
14	30 BROOMKNOWE DRIVE	292870	738108	486	28.7	Medium	No Effect	Negligible	Acceptable
15	28 BROOMKNOWE DRIVE	292861	738109	479	28.9	Medium	No Effect	Negligible	Acceptable
16	26 BROOMKNOWE DRIVE	292849	738110	469	29.3	Medium	Negligible	Negligible	Acceptable
17	24 BROOMKNOWE DRIVE	292847	738111	469	29.3	Medium	Negligible	Negligible	Acceptable
18	22 BROOMKNOWE DRIVE	292846	738112	471	29.2	Medium	Negligible	Negligible	Acceptable
19	20 BROOMKNOWE DRIVE	292847	738113	475	29.1	Medium	Negligible	Negligible	Acceptable

NSR	Name (If Specified)	Coordinate (X)	Coordinate (Y)	Distance From Centreline of Proposed Development (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
20	18 BROOMKNOWE DRIVE	292849	738114	480	28.9	Medium	No Effect	Negligible	Acceptable
21	16 BROOMKNOWE DRIVE	292861	738115	494	28.4	Medium	No Effect	Negligible	Acceptable
22	BROOMKNOWE	292994	738116	305	36.1	Medium	Low	Minor	Proceed to Tier 2
23	DALQUHAMIE TOLL	293037	738117	205	40.1	Medium	Medium	Moderate	Proceed to Tier 2
24	AMBLESIDE HAVEN	293128	738118	122	44.3	Medium	High	Major	Proceed to Tier 2
25	R W M HOUSE	293036	738119	282	37.0	Low	Low	not medium	Proceed to Tier 2
26	TULLIALLAN HOUSE TULLIALLAN FARM	293734	738120	176	41.5	Medium	Medium	Moderate	Proceed to Tier 2
27	THE MOSS	293306	738121	219	39.1	Medium	Medium	Moderate	Proceed to Tier 2
28	WEST LODGE	293226	738122	297	35.6	Medium	Low	Minor	Proceed to Tier 2
29	4 KINGSIDE STEADINGS	293553	738123	271	36.7	Medium	Low	Minor	Proceed to Tier 2
30	5 KINGSIDE STEADINGS	293572	738124	252	37.5	Medium	Low	Minor	Proceed to Tier 2
31	6 KINGSIDE STEADINGS	293590	738125	234	38.2	Medium	Low	Minor	Proceed to Tier 2

NSR	Name (If Specified)	Coordinate (X)	Coordinate (Y)	Distance From Centreline of Proposed Development (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
32	GARTARRY FARM	293522	738126	301	35.4	Medium	Low	Minor	Proceed to Tier 2
33	3 KINGSIDE STEADINGS	293568	738127	253	37.4	Medium	Low	Minor	Proceed to Tier 2
34	2 KINGSIDE STEADINGS	293571	738128	248	37.6	Medium	Low	Minor	Proceed to Tier 2
35	GARTFINNAN FARM COTTAGE	294147	738129	246	37.7	Medium	Negligible	Negligible	Acceptable
36	GARTFINNAN FARM	294204	738130	277	36.4	Medium	Negligible	Negligible	Acceptable
37	STARTON HOUSE	295146	738131	82	46.6	Medium	Medium	Moderate	Proceed to Tier 2
38	HAZLEYSHAW FARM	295525	738132	215	39.1	Medium	Negligible	Negligible	Acceptable
39	PARKLANDS COTTAGE	296382	738133	386	32.2	Medium	Negligible	Negligible	Acceptable
40	NORTH PARKLANDS	296421	738134	394	31.9	Medium	Negligible	Negligible	Acceptable
41	GART GREENIE HOUSE	295942	738135	121	43.9	Medium	Medium	Moderate	Proceed to Tier 2
42	WOODSIDE FARM	297407	738136	186	40.4	Medium	Medium	Moderate	Proceed to Tier 2
43	WOODSIDE COTTAGE	297340	738137	99	44.1	Medium	High	Major	Proceed to Tier 2
44	WOODSIDE HOUSE	297667	738138	387	34.0	Medium	Low	Minor	Proceed to Tier 2

NSR	Name (If Specified)	Coordinate (X)	Coordinate (Y)	Distance From Centreline of Proposed Development (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
45	LONGLEA	297747	738139	143	42.7	Medium	Medium	Moderate	Proceed to Tier 2
46	SKYE COTTAGE	297757	738140	133	43.2	Medium	Medium	Moderate	Proceed to Tier 2
47	2 SYKEMUIR COTTAGE	297236	738141	342	33.9	Medium	Negligible	Negligible	Acceptable
48	1 SYKEMUIR COTTAGE	297232	738142	349	33.6	Medium	Negligible	Negligible	Acceptable
49	WELLHALL	297866	738143	130	39.9	Medium	Medium	Moderate	Proceed to Tier 2
50	WELLHALL FARM COTTAGE	297892	738144	131	39.9	Medium	Medium	Moderate	Proceed to Tier 2
51	THE COACHMANS HOUSE DOLLARBEG	297159	738145	454	29.8	Medium	Negligible	Negligible	Acceptable
52	DOLLARBEG LODGE	297346	738146	278	36.4	Medium	Low	Minor	Proceed to Tier 2
53	1 BROOMHEAD	297904	738147	91	42.4	Medium	Medium	Moderate	Proceed to Tier 2
54	2 BROOMHEAD	297919	738148	91	42.4	Medium	Medium	Moderate	Proceed to Tier 2
55	THE WALLED GARDEN DOLLARBEG	297212	738149	417	31.1	Medium	Negligible	Negligible	Acceptable
56	BROOM FARM	298429	738150	389	28.6	Medium	No Effect	Negligible	Acceptable

NSR	Name (If Specified)	Coordinate (X)	Coordinate (Y)	Distance From Centreline of Proposed Development (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
57	KENNELS COTTAGE DOLLARBEG	297758	738151	54	45.5	Medium	High	Major	Proceed to Tier 2
58	BROOM FARM COTTAGE	298433	738152	357	29.8	Medium	Negligible	Negligible	Acceptable
59	EASTER DOWNIESDRUM	298571	738153	410	27.9	Medium	No Effect	Negligible	Acceptable
60	BLASHIEBURN COTTAGE	297813	738154	294	32.2	Medium	Negligible	Negligible	Acceptable
61	WEST END COTTAGE	298520	738155	375	29.1	Medium	Negligible	Negligible	Acceptable
62	GLENDALE COTTAGE	298529	738156	386	28.7	Medium	No Effect	Negligible	Acceptable
63	THE LEARIG VICARS BRIDGE ROAD	298464	738157	328	30.9	Medium	Negligible	Negligible	Acceptable
64	SMIDDY	298547	738158	406	28.0	Medium	No Effect	Negligible	Acceptable
65	HUNTERS COTTAGE	298514	738159	379	29.0	Medium	No Effect	Negligible	Acceptable
66	2 VICARS BRIDGE ROAD	298496	738160	363	29.6	Medium	Negligible	Negligible	Acceptable
67	1 VICARS BRIDGE ROAD	298493	738161	362	29.6	Medium	Negligible	Negligible	Acceptable
68	HEADRIDGE COTTAGE	298521	738162	388	28.7	Medium	No Effect	Negligible	Acceptable
69	JONKER HOUSE	298563	738163	428	27.2	Medium	No Effect	Negligible	Acceptable

NSR	Name (If Specified)	Coordinate (X)	Coordinate (Y)	Distance From Centreline of Proposed Development (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
70	DEVILLA VICARS BRIDGE ROAD	298449	738164	326	31.0	Medium	Negligible	Negligible	Acceptable
71	6 MAIN STREET	298530	738165	399	28.3	Medium	No Effect	Negligible	Acceptable
72	DORCOT	298575	738166	443	26.7	Medium	No Effect	Negligible	Acceptable
73	2 THE MART	298538	738167	409	27.9	Medium	No Effect	Negligible	Acceptable
74	1 THE MART	298536	738168	407	28.0	Medium	No Effect	Negligible	Acceptable
75	2 MAIN STREET	298550	738169	423	27.4	Medium	No Effect	Negligible	Acceptable
76	ATHOLL COTTAGE	298585	738170	455	26.3	Medium	No Effect	Negligible	Acceptable
77	VIEWFIELD COTTAGE VICARS BRIDGE ROAD	298475	738171	357	29.8	Medium	Negligible	Negligible	Acceptable
78	1 MAIN STREET	298549	738172	422	27.4	Medium	No Effect	Negligible	Acceptable
79	APPLEBURN VICARS BRIDGE ROAD	298437	738173	328	30.9	Medium	Negligible	Negligible	Acceptable
80	MARINA COTTAGE	298594	738174	466	25.9	Medium	No Effect	Negligible	Acceptable
81	TIGEEN	298557	738175	432	27.1	Medium	No Effect	Negligible	Acceptable
82	VIEWFIELD VICARS BRIDGE ROAD	298468	738176	357	29.8	Medium	Negligible	Negligible	Acceptable
83	SUNNYSIDE	298567	738177	445	26.6	Medium	No Effect	Negligible	Acceptable
84	THE OLD POST OFFICE HOUSE	298575	738178	455	26.3	Medium	No Effect	Negligible	Acceptable
85	AN TIGH FADA	298594	738179	479	25.4	Medium	No Effect	Negligible	Acceptable

NSR	Name (If Specified)	Coordinate (X)	Coordinate (Y)	Distance From Centreline of Proposed Development (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
86	HELMSIDE VICARS BRIDGE ROAD	298462	738180	367	29.4	Medium	Negligible	Negligible	Acceptable
87	AUCHENBLAE VICARS BRIDGE ROAD	298512	738181	411	27.8	Medium	No Effect	Negligible	Acceptable
88	MILL HOUSE VICARS BRIDGE ROAD	298395	738182	333	30.7	Medium	Negligible	Negligible	Acceptable
89	MOLLYBURN COTTAGE VICARS BRIDGE ROAD	298442	738183	374	29.2	Medium	Negligible	Negligible	Acceptable
90	BURNSIDE VICARS BRIDGE ROAD	298432	738184	374	29.2	Medium	Negligible	Negligible	Acceptable
91	BEECHFIELD VICARS BRIDGE ROAD	298380	738185	340	30.5	Medium	Negligible	Negligible	Acceptable
92	HILL VIEW COTTAGE VICARS BRIDGE ROAD	298336	738186	314	31.5	Medium	Negligible	Negligible	Acceptable
93	ROSEBANK COTTAGE VICARS BRIDGE ROAD	298407	738187	371	29.3	Medium	Negligible	Negligible	Acceptable
94	SHELDON HOUSE VICARS BRIDGE ROAD	298371	738188	349	30.1	Medium	Negligible	Negligible	Acceptable
95	WHITEWISP	298550	738189	482	25.3	Medium	No Effect	Negligible	Acceptable

NSR	Name (If Specified)	Coordinate (X)	Coordinate (Y)	Distance From Centreline of Proposed Development (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
96	NURSERY COTTAGE VICARS BRIDGE ROAD	298440	738190	401	28.2	Medium	No Effect	Negligible	Acceptable
97	LADIESHALL VICARS BRIDGE ROAD	298343	738191	355	29.9	Medium	Negligible	Negligible	Acceptable
98	GEAN COTTAGE VICARS BRIDGE ROAD	298396	738192	389	28.6	Medium	No Effect	Negligible	Acceptable
99	ROWANLANE HOUSE VICARS BRIDGE ROAD	298499	738193	471	25.7	Medium	No Effect	Negligible	Acceptable
100	THE MEADOWS VICARS BRIDGE ROAD	298384	738194	405	28.0	Medium	No Effect	Negligible	Acceptable
101	COLINSWOOD HOUSE VICARS BRIDGE ROAD	298461	738195	469	25.8	Medium	No Effect	Negligible	Acceptable
102	SULPHUR HOUSE VICARS BRIDGE ROAD	298371	738196	425	27.3	Medium	No Effect	Negligible	Acceptable
103	DEVONVALE HOUSE VICARS BRIDGE ROAD	298361	738197	440	26.8	Medium	No Effect	Negligible	Acceptable
104	LIMESTONE HOUSE VICARS BRIDGE ROAD	298350	738198	452	26.4	Medium	No Effect	Negligible	Acceptable

Tier 2 Assessment

The criteria at Tier 2 for combined wet and dry noise is 36.7 dBA.

Table 1.2: TGN(E)322 Tier 2 Result Summary

NSR	Name If Applicable	Distance to OHL	Predicted Wet Noise (dB(A))	Predicted Dry Noise (dB(A))	Combined Wet and Dry Noise (dB(A))	Impact	Magnitude	Significance	Action
12	HAWKHILL FARM	250	37.5	12.5	29.8	No adverse impact	Negligible	Negligible	Acceptable
22	BROOMKNOWE	305	36.1	11.1	28.3	No adverse impact	Negligible	Negligible	Acceptable
23	DALQUHAMIE TOLL	205	40.1	15.1	32.3	No adverse impact	Negligible	Negligible	Acceptable
24	AMBLESIDE HAVEN	122	44.3	19.3	36.6	No adverse impact	Negligible	Negligible	Acceptable
26	TULLIALLAN HOUSE TULLIALLAN FARM	176	41.5	16.5	33.7	No adverse impact	Negligible	Negligible	Acceptable
27	THE MOSS	219	39.1	14.1	31.4	No adverse impact	Negligible	Negligible	Acceptable
28	WEST LODGE	297	35.6	10.6	27.9	No adverse impact	Negligible	Negligible	Acceptable
29	4 KINGSIDE STEADINGS	271	36.7	11.7	28.9	No adverse impact	Negligible	Negligible	Acceptable
30	5 KINGSIDE STEADINGS	252	37.5	12.5	29.7	No adverse impact	Negligible	Negligible	Acceptable
31	6 KINGSIDE STEADINGS	234	38.2	13.2	30.5	No adverse impact	Negligible	Negligible	Acceptable

NSR	Name If Applicable	Distance to OHL	Predicted Wet Noise (dB(A))	Predicted Dry Noise (dB(A))	Combined Wet and Dry Noise (dB(A))	Impact	Magnitude	Significance	Action
32	GARTARRY FARM	301	35.4	10.4	27.7	No adverse impact	Negligible	Negligible	Acceptable
33	3 KINGSIDE STEADINGS	253	37.4	12.4	29.7	No adverse impact	Negligible	Negligible	Acceptable
34	2 KINGSIDE STEADINGS	248	37.6	12.6	29.9	No adverse impact	Negligible	Negligible	Acceptable
35	GARTFINNAN FARM COTTAGE	246	37.7	12.7	30.0	No adverse impact	Negligible	Negligible	Acceptable
36	GARTFINNAN FARM	277	36.4	4.0	21.3	No adverse impact	Negligible	Negligible	Acceptable
37	STARTON HOUSE	82	46.6	21.6	38.8	Adverse Impact	Minor	Minor	Proceed to Tier 3
38	HAZLEYSHAW FARM	215	39.1	14.1	31.3	No adverse impact	Negligible	Negligible	Acceptable
41	GART GREENIE HOUSE	121	43.9	18.9	36.2	No adverse impact	Negligible	Negligible	Acceptable
42	WOODSIDE FARM	186	40.4	15.4	32.7	No adverse impact	Negligible	Negligible	Acceptable
43	WOODSIDE COTTAGE	99	44.1	19.1	36.4	No adverse impact	Negligible	Negligible	Acceptable
45	LONGLEA	143	42.7	17.7	34.9	No adverse impact	Negligible	Negligible	Acceptable
46	SKYE COTTAGE	133	43.2	18.2	35.5	No adverse impact	Negligible	Negligible	Acceptable
49	WELLHALL	130	39.9	14.9	32.2	No adverse impact	Negligible	Negligible	Acceptable

NSR	Name If Applicable	Distance to OHL	Predicted Wet Noise (dB(A))	Predicted Dry Noise (dB(A))	Combined Wet and Dry Noise (dB(A))	Impact	Magnitude	Significance	Action
50	WELLHALL FARM COTTAGE	131	39.9	14.9	32.1	No adverse impact	Negligible	Negligible	Acceptable
52	DOLLARBEG LODGE	278	36.4	11.4	28.6	No adverse impact	Negligible	Negligible	Acceptable
53	1 BROOMHEAD	91	42.4	17.4	34.7	No adverse impact	Negligible	Negligible	Acceptable
54	2 BROOMHEAD	91	42.4	17.4	34.7	No adverse impact	Negligible	Negligible	Acceptable
57	KENNELS COTTAGE DOLLARBEG	54	45.5	20.5	37.8	Adverse Impact	Minor	Minor	Proceed to Tier 3

Tier 3 Assessment

Table 1.3: TGN(E)322 Tier 3 Result Summary – Wet Assessment – Worst-case Tower

NSR	Name If Applicable	Distance to OHL (m)	Predicted Wet Noise (dB(A))	Wet Noise Rating	Wet Background Noise (dB(A))	Excess	Magnitude	Significance	Action
37	STARTON HOUSE	82	46.6	53	38.8	14.2	High	Major	Avoid
57	KENNELS COTTAGE DOLLARBEG	54	45.5	51.5	44.1	7.4	Medium	Moderate	Consider Mitigating and Minimising Noise

Table 1.4: TGN(E)322 Tier 3 Result Summary – Dry Assessment – Worst-case Tower

NSR	Name If Applicable	Distance to OHL (m)	Predicted Dry Noise (dB(A))	Dry Noise Rating	Dry Background Noise (dB(A))	Excess	Magnitude	Significance	Action
37	STARTON HOUSE	82	21.6	25	31.1	-6.4	Negligible	Negligible	Acceptable
57	KENNELS COTTAGE DOLLARBEG	54	20.5	23.5	25.2	-1.7	Negligible	Negligible	Acceptable

Tier 2 Re-assessment for Actual Tower Type

The actual tower closest to NSR 37 is a L2 D30 M12, and the actual tower closest to NSR 57 is a L2 D E20.

Table 1.5: TGN(E)322 Tier 2 Result Summary – Actual Tower Type

NSR	Name If Applicable	Distance to OHL	Predicted Wet Noise (dB(A))	Predicted Dry Noise (dB(A))	Combined Wet and Dry Noise (dB(A))	Impact	Magnitude	Significance	Action
37	STARTON HOUSE	82	46.5	21.5	38.8	Adverse Impact	Minor	Minor	Proceed to Tier 3
57	KENNELS COTTAGE DOLLARBEG	54	41.3	16.3	33.6	No adverse impact	Negligible	Negligible	Acceptable

Tier 3 Re-assessment for Actual Tower Type

Table 1.6: TGN(E)322 Tier 2 Result Summary – Actual Tower Type

NSR	Name If Applicable	Distance to OHL (m)	Predicted Wet Noise (dB(A))	Wet Noise Rating	Wet Background Noise (dB(A))	Excess	Magnitude	Significance	Action
37	STARTON HOUSE	82	46.5	53	38.8	14.2	High	Major	Avoid

Table 1.7: TGN(E)322 Tier 3 Result Summary – Dry Assessment – Worst-case Tower

NSR	Name If Applicable	Distance to OHL (m)	Predicted Dry Noise (dB(A))	Dry Noise Rating	Dry Background Noise (dB(A))	Excess	Magnitude	Significance	Action
37	STARTON HOUSE	82	21.6	25	31.1	-6.4	Negligible	Negligible	Acceptable

1.2 TGN(E)322 Assessment – Limit of Deviation

Tier 1 Assessment

Table 1.8: TGN(E)322 Tier 1 Result Summary - LoD Scenario

NSR	Name (If Specified)	Coordinate (X)	Coordinate (Y)	Distance From Centreline of Proposed Development if Towers Move 50 m Closer to NSR (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
1	37 HAWKHILL ROAD	292836	738095	441	32.0	Medium	Negligible	Negligible	Acceptable
2	39 HAWKHILL ROAD	292834	738096	438	30.4	Medium	Negligible	Negligible	Acceptable
3	41 HAWKHILL ROAD	292831	738097	433	30.5	Medium	Negligible	Negligible	Acceptable
4	43 HAWKHILL ROAD	292829	738098	429	30.7	Medium	Negligible	Negligible	Acceptable
5	45 HAWKHILL ROAD	292826	738099	425	30.8	Medium	Negligible	Negligible	Acceptable
6	47 HAWKHILL ROAD	292824	738100	421	31.0	Medium	Negligible	Negligible	Acceptable
7	49 HAWKHILL ROAD	292822	738101	417	31.1	Medium	Negligible	Negligible	Acceptable
8	30 HAWKHILL ROAD	292846	738102	436	30.4	Medium	Negligible	Negligible	Acceptable
9	32 HAWKHILL ROAD	292840	738103	428	30.7	Medium	Negligible	Negligible	Acceptable

NSR	Name (If Specified)	Coordinate (X)	Coordinate (Y)	Distance From Centreline of Proposed Development if Towers Move 50 m Closer to NSR (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
10	51 HAWKHILL ROAD	292812	738104	399	31.7	Medium	Negligible	Negligible	Acceptable
11	34 HAWKHILL ROAD	292838	738105	421	31.0	Medium	Negligible	Negligible	Acceptable
12	HAWKHILL FARM	292641	738106	200	39.8	Medium	Medium	Moderate	Proceed to Tier 2
13	32 BROOMKNOWE DRIVE	292881	738107	445	30.1	Medium	Negligible	Negligible	Acceptable
14	30 BROOMKNOWE DRIVE	292870	738108	436	30.4	Medium	Negligible	Negligible	Acceptable
15	28 BROOMKNOWE DRIVE	292861	738109	429	30.7	Medium	Negligible	Negligible	Acceptable
16	26 BROOMKNOWE DRIVE	292849	738110	419	31.0	Medium	Negligible	Negligible	Acceptable
17	24 BROOMKNOWE DRIVE	292847	738111	419	31.0	Medium	Negligible	Negligible	Acceptable
18	22 BROOMKNOWE DRIVE	292846	738112	421	31.0	Medium	Negligible	Negligible	Acceptable

NSR	Name (If Specified)	Coordinate (X)	Coordinate (Y)	Distance From Centreline of Proposed Development if Towers Move 50 m Closer to NSR (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
19	20 BROOMKNOWE DRIVE	292847	738113	425	30.8	Medium	Negligible	Negligible	Acceptable
20	18 BROOMKNOWE DRIVE	292849	738114	430	30.6	Medium	Negligible	Negligible	Acceptable
21	16 BROOMKNOWE DRIVE	292861	738115	444	30.1	Medium	Negligible	Negligible	Acceptable
22	BROOMKNOWE	292994	738116	255	38.1	Medium	Low	Minor	Proceed to Tier 2
23	DALQUHAMIE TOLL	293037	738117	155	41.7	Medium	Medium	Moderate	Proceed to Tier 2
24	AMBLESIDE HAVEN	293128	738118	72	46.9	Medium	High	Major	Proceed to Tier 2
25	R W M HOUSE	293036	738119	232	38.3	Low	Low	Minor	Proceed to Tier 2
26	TULLIALLAN HOUSE TULLIALLAN FARM	293734	738120	126	43.3	Medium	Medium	Moderate	Proceed to Tier 2
27	THE MOSS	293306	738121	169	40.6	Medium	Medium	Moderate	Proceed to Tier 2
28	WEST LODGE	293226	738122	247	37.7	Medium	Low	Minor	Proceed to Tier 2
29	4 KINGSIDE STEADINGS	293553	738123	221	38.8	Medium	Low	Minor	Proceed to Tier 2

NSR	Name (If Specified)	Coordinate (X)	Coordinate (Y)	Distance From Centreline of Proposed Development if Towers Move 50 m Closer to NSR (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
30	5 KINGSIDE STEADINGS	293572	738124	202	39.7	Medium	Medium	Moderate	Proceed to Tier 2
31	6 KINGSIDE STEADINGS	293590	738125	184	40.5	Medium	Medium	Moderate	Proceed to Tier 2
32	GARTARRY FARM	293522	738126	251	37.5	Medium	Low	Minor	Proceed to Tier 2
33	3 KINGSIDE STEADINGS	293568	738127	203	39.6	Medium	Medium	Moderate	Proceed to Tier 2
34	2 KINGSIDE STEADINGS	293571	738128	198	39.9	Medium	Medium	Moderate	Proceed to Tier 2
35	GARTFINNAN FARM COTTAGE	294147	738129	196	40.0	Medium	Medium	Moderate	Proceed to Tier 2
36	GARTFINNAN FARM	294204	738130	227	38.5	Medium	Low	Minor	Proceed to Tier 2
37	STARTON HOUSE	295146	738131	32	51.6	Medium	Medium	Moderate	Proceed to Tier 2
38	HAZLEYSHAW FARM	295525	738132	165	41.5	Medium	Medium	Moderate	Proceed to Tier 2
39	PARKLANDS COTTAGE	296382	738133	336	34.1	Medium	Low	Minor	Proceed to Tier 2
40	NORTH PARKLANDS	296421	738134	344	33.8	Medium	Negligible	Negligible	Acceptable
41	GART GREENIE HOUSE	295942	738135	71	47.4	Medium	High	Major	Proceed to Tier 2

NSR	Name (If Specified)	Coordinate (X)	Coordinate (Y)	Distance From Centreline of Proposed Development if Towers Move 50 m Closer to NSR (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
42	WOODSIDE FARM	297407	738136	136	43.0	Medium	Medium	Moderate	Proceed to Tier 2
43	WOODSIDE COTTAGE	297340	738137	49	49.0	Medium	High	Major	Proceed to Tier 2
44	WOODSIDE HOUSE	297667	738138	337	36.0	Medium	Low	Minor	Proceed to Tier 2
45	LONGLEA	297747	738139	93	45.8	Medium	High	Major	Proceed to Tier 2
46	SKYE COTTAGE	297757	738140	83	46.5	Medium	High	Major	Proceed to Tier 2
47	2 SYKEMUIR COTTAGE	297236	738141	292	35.8	Medium	Low	Minor	Proceed to Tier 2
48	1 SYKEMUIR COTTAGE	297232	738142	299	35.5	Medium	Low	Minor	Proceed to Tier 2
49	WELLHALL	297866	738143	80	43.2	Medium	Medium	Moderate	Proceed to Tier 2
50	WELLHALL FARM COTTAGE	297892	738144	81	43.2	Medium	Medium	Moderate	Proceed to Tier 2
51	THE COACHMANS HOUSE DOLLARBEG	297159	738145	404	31.6	Medium	Negligible	Negligible	Acceptable
52	DOLLARBEG LODGE	297346	738146	228	38.5	Medium	Low	Minor	Proceed to Tier 2
53	1 BROOMHEAD	297904	738147	41	47.0	Medium	High	Major	Proceed to Tier 2

NSR	Name (If Specified)	Coordinate (X)	Coordinate (Y)	Distance From Centreline of Proposed Development if Towers Move 50 m Closer to NSR (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
54	2 BROOMHEAD	297919	738148	41	47.0	Medium	High	Major	Proceed to Tier 2
55	THE WALLED GARDEN DOLLARBEG	297212	738149	367	32.9	Medium	Negligible	Negligible	Acceptable
56	BROOM FARM	298429	738150	339	30.5	Medium	Negligible	Negligible	Acceptable
57	KENNELS COTTAGE DOLLARBEG	297758	738151	4	52.9	Medium	High	Major	Proceed to Tier 2
58	BROOM FARM COTTAGE	298433	738152	307	31.7	Medium	Negligible	Negligible	Acceptable
59	EASTER DOWNIESDRUM	298571	738153	360	29.7	Medium	Negligible	Negligible	Acceptable
60	BLASHIEBURN COTTAGE	297813	738154	244	34.3	Medium	Low	Minor	Proceed to Tier 2
61	WEST END COTTAGE	298520	738155	325	31.0	Medium	Negligible	Negligible	Acceptable
62	GLENDALE COTTAGE	298529	738156	336	30.6	Medium	Negligible	Negligible	Acceptable
63	THE LEARIG VICARS BRIDGE ROAD	298464	738157	278	32.9	Medium	Negligible	Negligible	Acceptable
64	SMIDDY	298547	738158	356	29.8	Medium	Negligible	Negligible	Acceptable
65	HUNTERS COTTAGE	298514	738159	329	30.9	Medium	Negligible	Negligible	Acceptable

NSR	Name (If Specified)	Coordinate (X)	Coordinate (Y)	Distance From Centreline of Proposed Development if Towers Move 50 m Closer to NSR (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
66	2 VICARS BRIDGE ROAD	298496	738160	313	31.5	Medium	Negligible	Negligible	Acceptable
67	1 VICARS BRIDGE ROAD	298493	738161	312	31.5	Medium	Negligible	Negligible	Acceptable
68	HEADRIDGE COTTAGE	298521	738162	338	30.5	Medium	Negligible	Negligible	Acceptable
69	JONKER HOUSE	298563	738163	378	29.0	Medium	Negligible	Negligible	Acceptable
70	DEVILLA VICARS BRIDGE ROAD	298449	738164	276	33.0	Medium	Negligible	Negligible	Acceptable
71	6 MAIN STREET	298530	738165	349	30.1	Medium	Negligible	Negligible	Acceptable
72	DORCOT	298575	738166	393	28.5	Medium	No Effect	Negligible	Acceptable
73	2 THE MART	298538	738167	359	29.7	Medium	Negligible	Negligible	Acceptable
74	1 THE MART	298536	738168	357	29.8	Medium	Negligible	Negligible	Acceptable
75	2 MAIN STREET	298550	738169	373	29.2	Medium	Negligible	Negligible	Acceptable
76	ATHOLL COTTAGE	298585	738170	405	28.0	Medium	No Effect	Negligible	Acceptable
77	VIEWFIELD COTTAGE VICARS BRIDGE ROAD	298475	738171	307	31.7	Medium	Negligible	Negligible	Acceptable
78	1 MAIN STREET	298549	738172	372	29.3	Medium	Negligible	Negligible	Acceptable
79	APPLEBURN VICARS BRIDGE ROAD	298437	738173	278	32.9	Medium	Negligible	Negligible	Acceptable
80	MARINA COTTAGE	298594	738174	416	27.7	Medium	No Effect	Negligible	Acceptable

NSR	Name (If Specified)	Coordinate (X)	Coordinate (Y)	Distance From Centreline of Proposed Development if Towers Move 50 m Closer to NSR (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
81	TIGEEN	298557	738175	382	28.9	Medium	No Effect	Negligible	Acceptable
82	VIEWFIELD VICARS BRIDGE ROAD	298468	738176	307	31.7	Medium	Negligible	Negligible	Acceptable
83	SUNNYSIDE	298567	738177	395	28.4	Medium	No Effect	Negligible	Acceptable
84	THE OLD POST OFFICE HOUSE	298575	738178	405	28.0	Medium	No Effect	Negligible	Acceptable
85	AN TIGH FADA	298594	738179	429	27.2	Medium	No Effect	Negligible	Acceptable
86	HELMSIDE VICARS BRIDGE ROAD	298462	738180	317	31.3	Medium	Negligible	Negligible	Acceptable
87	AUCHENBLAE VICARS BRIDGE ROAD	298512	738181	361	29.7	Medium	Negligible	Negligible	Acceptable
88	MILL HOUSE VICARS BRIDGE ROAD	298395	738182	283	32.7	Medium	Negligible	Negligible	Acceptable
89	MOLLYBURN COTTAGE VICARS BRIDGE ROAD	298442	738183	324	31.1	Medium	Negligible	Negligible	Acceptable
90	BURNSIDE VICARS BRIDGE ROAD	298432	738184	324	31.1	Medium	Negligible	Negligible	Acceptable
91	BEECHFIELD VICARS BRIDGE ROAD	298380	738185	290	32.4	Medium	Negligible	Negligible	Acceptable

NSR	Name (If Specified)	Coordinate (X)	Coordinate (Y)	Distance From Centreline of Proposed Development if Towers Move 50 m Closer to NSR (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
92	HILL VIEW COTTAGE VICARS BRIDGE ROAD	298336	738186	264	33.5	Medium	Negligible	Negligible	Acceptable
93	ROSEBANK COTTAGE VICARS BRIDGE ROAD	298407	738187	321	31.2	Medium	Negligible	Negligible	Acceptable
94	SHELDON HOUSE VICARS BRIDGE ROAD	298371	738188	299	32.0	Medium	Negligible	Negligible	Acceptable
95	WHITEWISP	298550	738189	432	27.1	Medium	No Effect	Negligible	Acceptable
96	NURSERY COTTAGE VICARS BRIDGE ROAD	298440	738190	351	30.0	Medium	Negligible	Negligible	Acceptable
97	LADIESHALL VICARS BRIDGE ROAD	298343	738191	305	31.8	Medium	Negligible	Negligible	Acceptable
98	GEAN COTTAGE VICARS BRIDGE ROAD	298396	738192	339	30.5	Medium	Negligible	Negligible	Acceptable
99	ROWANLANE HOUSE VICARS BRIDGE ROAD	298499	738193	421	27.5	Medium	No Effect	Negligible	Acceptable
100	THE MEADOWS VICARS BRIDGE ROAD	298384	738194	355	29.9	Medium	Negligible	Negligible	Acceptable

NSR	Name (If Specified)	Coordinate (X)	Coordinate (Y)	Distance From Centreline of Proposed Development if Towers Move 50 m Closer to NSR (m)	Predicted Wet Noise (dB(A))	Sensitivity	Magnitude	Significance	Action
101	COLINSWOOD HOUSE VICARS BRIDGE ROAD	298461	738195	419	27.5	Medium	No Effect	Negligible	Acceptable
102	SULPHUR HOUSE VICARS BRIDGE ROAD	298371	738196	375	29.1	Medium	Negligible	Negligible	Acceptable
103	DEVONVALE HOUSE VICARS BRIDGE ROAD	298361	738197	390	28.6	Medium	No Effect	Negligible	Acceptable
104	LIMESTONE HOUSE VICARS BRIDGE ROAD	298350	738198	402	28.2	Medium	No Effect	Negligible	Acceptable

Tier 2 Assessment

The criteria at Tier 2 for combined wet and dry noise is 36.7 dBA.

Table 1.9: TGN(E)322 Tier 2 Result Summary - LoD Scenario

NSR	Name If Applicable	Distance to OHL (with maximum LoD movement) (m)	Predicted Wet Noise (dB(A))	Predicted Dry Noise (dB(A))	Combined Wet and Dry Noise (dB(A))	Impact	Magnitude	Significance	Action
12	HAWKHILL FARM	200	39.8	14.8	32.0	No adverse impact	Negligible	Negligible	Acceptable
22	BROOMKNOWE	255	38.1	13.1	30.3	No adverse impact	Negligible	Negligible	Acceptable
23	DALQUHAMIE TOLL	155	41.7	16.7	34.0	No adverse impact	Negligible	Negligible	Acceptable
24	AMBLESIDE HAVEN	72	46.9	21.9	39.2	Adverse Impact	Low	Minor	Proceed to Tier 3
25	R W M HOUSE	232	38.3	13.3	30.6	No adverse impact	Negligible	Negligible	Acceptable
26	TULLIALLAN HOUSE TULLIALLAN FARM	126	43.3	18.3	35.6	No adverse impact	Negligible	Negligible	Acceptable
27	THE MOSS	169	40.6	15.6	32.9	No adverse impact	Negligible	Negligible	Acceptable
28	WEST LODGE	247	37.7	12.7	29.9	No adverse impact	Negligible	Negligible	Acceptable
29	4 KINGSIDE STEADINGS	221	38.8	13.8	31.1	No adverse impact	Negligible	Negligible	Acceptable
30	5 KINGSIDE STEADINGS	202	39.7	14.7	31.9	No adverse impact	Negligible	Negligible	Acceptable

NSR	Name If Applicable	Distance to OHL (with maximum LoD movement) (m)	Predicted Wet Noise (dB(A))	Predicted Dry Noise (dB(A))	Combined Wet and Dry Noise (dB(A))	Impact	Magnitude	Significance	Action
31	6 KINGSIDE STEADINGS	184	40.5	15.5	32.8	No adverse impact	Negligible	Negligible	Acceptable
32	GARTARRY FARM	251	37.5	12.5	29.8	No adverse impact	Negligible	Negligible	Acceptable
33	3 KINGSIDE STEADINGS	203	39.6	14.6	31.9	No adverse impact	Negligible	Negligible	Acceptable
34	2 KINGSIDE STEADINGS	198	39.9	14.9	32.1	No adverse impact	Negligible	Negligible	Acceptable
35	GARTFINNAN FARM COTTAGE	196	40.0	15.0	32.2	No adverse impact	Negligible	Negligible	Acceptable
36	GARTFINNAN FARM	227	38.5	13.5	30.8	No adverse impact	Negligible	Negligible	Acceptable
37	STARTON HOUSE	32	51.6	26.6	43.9	Adverse Impact	Low	Minor	Proceed to Tier 3
38	HAZLEYSHAW FARM	165	41.5	16.5	33.7	No adverse impact	Negligible	Negligible	Acceptable
39	PARKLANDS COTTAGE	336	34.1	9.1	26.3	No adverse impact	Negligible	Negligible	Acceptable
41	GART GREENIE HOUSE	71	47.4	22.4	39.7	Adverse Impact	Low	Minor	Proceed to Tier 3
42	WOODSIDE FARM	136	43.0	18.0	35.3	No adverse impact	Negligible	Negligible	Acceptable
43	WOODSIDE COTTAGE	49	49.0	24.0	41.3	Adverse Impact	Low	Minor	Proceed to Tier 3

NSR	Name If Applicable	Distance to OHL (with maximum LoD movement) (m)	Predicted Wet Noise (dB(A))	Predicted Dry Noise (dB(A))	Combined Wet and Dry Noise (dB(A))	Impact	Magnitude	Significance	Action
44	WOODSIDE HOUSE	337	36.0	11.0	28.3	No adverse impact	Negligible	Negligible	Acceptable
45	LONGLEA	93	45.8	20.8	38.0	Adverse Impact	Low	Minor	Proceed to Tier 3
46	SKYE COTTAGE	83	46.5	21.5	38.7	Adverse Impact	Low	Minor	Proceed to Tier 3
47	2 SYKEMUIR COTTAGE	292	35.8	10.8	28.1	No adverse impact	Negligible	Negligible	Acceptable
48	1 SYKEMUIR COTTAGE	299	35.5	10.5	27.8	No adverse impact	Negligible	Negligible	Acceptable
49	WELLHALL	80	43.2	18.2	35.5	No adverse impact	Negligible	Negligible	Acceptable
50	WELLHALL FARM COTTAGE	81	43.2	18.2	35.4	No adverse impact	Negligible	Negligible	Acceptable
51	THE COACHMANS HOUSE DOLLARBEG	404	31.6	6.6	23.8	No adverse impact	Negligible	Negligible	Acceptable
52	DOLLARBEG LODGE	228	38.5	13.5	30.8	No adverse impact	Negligible	Negligible	Acceptable
53	1 BROOMHEAD	41	47.0	22.0	39.2	Adverse Impact	Low	Minor	Proceed to Tier 3
54	2 BROOMHEAD	41	47.0	22.0	39.2	Adverse Impact	Low	Minor	Proceed to Tier 3
55	THE WALLED GARDEN DOLLARBEG	367	32.9	7.9	25.2	No adverse impact	Negligible	Negligible	Acceptable

Tier 3 Assessment

Table 1.10: TGN(E)322 Tier 3 Result Summary – Wet Assessment – Worst-case Tower – LoD Scenario

NSR	Name If Applicable	Distance to OHL with Maximum LoD Movement (m)	Predicted Wet Noise (dB(A))	Wet Noise Rating	Wet Background Noise (dB(A))	Excess	Magnitude	Significance	Action
24	AMBLESIDE HAVEN	72	46.9	53.0	40.0	13.0	High	High	Avoid
37	STARTON HOUSE	32	51.6	58.0	38.8	19.2	High	High	Avoid
41	GART GREENIE HOUSE	71	47.4	53.0	38.2	14.8	High	High	Avoid
43	WOODSIDE COTTAGE	49	49.0	55.0	41.1	13.9	High	High	Avoid
45	LONGLEA	93	45.8	52.0	38.2	13.8	High	High	Avoid
46	SKYE COTTAGE	83	46.5	52.0	38.2	13.8	High	High	Avoid
53	1 BROOMHEAD	41	47.0	53.0	38.2	14.8	High	High	Avoid
54	2 BROOMHEAD	41	47.0	53.0	38.2	14.8	High	High	Avoid
57	KENNELS COTTAGE DOLLARBEG	4	52.9	59.0	44.1	14.9	High	High	Avoid

Table 1.11: TGN(E)322 Tier 3 Result Summary – Dry Assessment – Worst-case Tower – LoD Scenario

NSR	Name If Applicable	Distance to OHL	Predicted Dry Noise (dB(A))	Dry Noise Rating	Dry Background Noise (dB(A))	Excess	Magnitude	Significance	Action
24	AMBLESIDE HAVEN	72	21.9	28.0	35.7	-7.7	Negligible	Negligible	Acceptable
37	STARTON HOUSE	32	26.6	30.0	31.1	-1.1	Negligible	Negligible	Acceptable
41	GART GREENIE HOUSE	71	22.4	28.0	25.0	3.0	Low	Minor	Acceptable
43	WOODSIDE COTTAGE	49	24.0	30.0	25.0	5.0	Medium	Moderate	Acceptable
45	LONGLEA	93	20.8	27.0	25.2	1.8	Low	Minor	Acceptable
46	SKYE COTTAGE	83	21.5	27.0	25.2	1.8	Low	Minor	Acceptable
53	1 BROOMHEAD	41	22.0	28.0	25.2	2.8	Low	Minor	Acceptable
54	2 BROOMHEAD	41	22.0	28.0	25.2	2.8	Low	Minor	Acceptable
57	KENNELS COTTAGE DOLLARBEG	4	27.9	34.0	25.2	8.8	Medium	Moderate	Acceptable

Tier 2 Re-assessment for Actual Tower Type

Table 1.12: TGN(E)322 Tier 2 Result Summary – Actual Tower Type

NSR	Name If Applicable	Distance to OHL	Predicted Wet Noise (dB(A))	Predicted Dry Noise (dB(A))	Combined Wet and Dry Noise (dB(A))	Impact	Magnitude	Significance	Action
24	AMBLESIDE HAVEN	72	46.9	21.9	39.2	Adverse Impact	Low	Minor	Proceed to Tier 3
37	STARTON HOUSE	32	51.3	26.3	43.5	Adverse Impact	Low	Minor	Proceed to Tier 3
41	GART GREENIE HOUSE	71	47.3	22.3	39.5	Adverse Impact	Low	Minor	Proceed to Tier 3
43	WOODSIDE COTTAGE	54	48.6	23.6	40.9	Adverse Impact	Low	Minor	Proceed to Tier 3
45	LONGLEA	93	45.8	20.8	38.0	Adverse Impact	Low	Minor	Proceed to Tier 3
46	SKYE COTTAGE	83	46.5	21.5	38.7	Adverse Impact	Low	Minor	Proceed to Tier 3
53	1 BROOMHEAD	41	42.7	17.7	35.0	No adverse impact	Negligible	Negligible	Acceptable
54	2 BROOMHEAD	41	42.7	17.7	35.0	No adverse impact	Negligible	Negligible	Acceptable
57	KENNELS COTTAGE DOLLARBEG	4	48.7	23.7	40.9	Adverse Impact	Low	Minor	Proceed to Tier 3

Tier 3 Re-assessment for Actual Tower Type

Table 1.13: TGN(E)322 Tier 3 Result Summary – Actual Tower Type

NSR	Name If Applicable	Distance to OHL	Predicted Wet Noise (dB(A))	Wet Noise Rating	Wet Background Noise (dB(A))	Excess	Magnitude	Significance	Action
24	AMBLESIDE HAVEN	72	46.9	53.0	40.0	13.0	High	High	Avoid
37	STARTON HOUSE	32	51.3	57.0	38.8	18.2	High	High	Avoid
41	GART GREENIE HOUSE	71	47.3	53.0	38.2	14.8	High	High	Avoid
43	WOODSIDE COTTAGE	49	48.6	55.0	41.1	13.9	High	High	Avoid
45	LONGLEA	93	45.8	52.0	38.2	13.8	High	High	Avoid
46	SKYE COTTAGE	83	46.5	52.0	38.2	13.8	High	High	Avoid
57	KENNELS COTTAGE DOLLARBEG	4	48.7	55.0	44.1	10.9	High	High	Avoid

Table 1.14: Minimum Distances to Avoid TGN(E)322 Tier 3 Significant Effects (where wet noise = 44.3 dB(A))

NSR	Name If Applicable	Distance to OHL to Avoid Tier 3 and Be Acceptable (m)	Maximum Distance the Nearest Tower Can Move Towards NSR (m)
24	AMBLESIDE HAVEN	113	9
37	STARTON HOUSE	n/a, Proposed Alignment already shows Significant Impacts	
41	GART GREENIE HOUSE	112	9
43	WOODSIDE COTTAGE	101	3
45	LONGLEA	115	28
46	SKYE COTTAGE	115	18
57	KENNELS COTTAGE DOLLARBEG	115	24

1.3 TGN(E)322 Assessment – Mitigated Scenario

The mitigated scenario considers the OHL Conductor near NSR 37 to be Triple Andrew. This triple bundle and is a lower noise alternative to Twin Matthew Gap. The criteria at Tier 2 for combined wet and dry noise is 36.7 dBA.

Table 1.13: TGN(E)22 Tier 2 Result Summary – Triple Andrew at XL017 near NSR 37

NSR	Name If Applicable	Distance to OHL (m)	Predicted Wet Noise (dB(A))	Predicted Dry Noise (dB(A))	Combined Wet and Dry Noise (dB(A))	Impact	Magnitude	Significance	Action
37	STARTON HOUSE	82	39.9	14.9	32.2	No adverse impact	Negligible	Negligible	Acceptable