



Appendix 19-P4B-1: Part 4b Predicted Construction Noise Levels

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Appendix 19-P4B-1: Part 4b Predicted Construction Noise Levels

1. Introduction

- 1.1.1 This appendix lists the predicted construction noise levels for Part 4b of the Proposed Development.

2. Predicted Construction Noise Levels

- 2.1.1 For pipeline construction works a non-location specific 3-dimensional noise model was constructed using CadnaA 2025 acoustic modelling software. This model was used to predict noise levels at receptor locations at various nominal distances from the works on different days as the works progress along the pipeline route at a rate of 30 metres (m) per day (i.e. adjacent to the receptor on day 1, 30 m along the canal on day 2, etc.).
- 2.1.2 The predictions exceeding the most stringent criterion of 65 dB $L_{Aeq,10hr}$ and therefore considered Moderate or Major (Significant) impacts are highlighted **bold red** in the **Table 1**.
- 2.1.3 **Table 2** provides the predicted noise levels from construction of the Trenchless Crossings during the daytime.
- 2.1.4 **Table 3** provides the predicted noise levels from construction of the Trenchless Crossings during the evening time.
- 2.1.5 **Table 4** provides the predicted noise levels from construction of the Trenchless Crossings during the night-time.

Table 1: Predicted Noise Levels from Pipeline Construction

Representative Timeline of Works (day)	ABC Category	Criterion	Predicted Noise Level (dB LAeq,T) at Nominal Distances from Pipeline Construction (Earthworks & Pipelaying) Works						
			10 m	50 m	100 m	150 m	200 m	250 m	300 m
1st	A	65	57	56	56	55	54	53	52
2nd	A	65	58	57	57	56	55	53	52
3rd	A	65	59	59	58	57	55	54	53
4th	A	65	61	60	59	57	56	55	53
5th	A	65	63	62	60	58	57	55	54
6th	A	65	66	64	62	59	57	56	54
7th	A	65	69	66	63	60	58	56	54
8th	A	65	74	68	64	61	58	56	55
9th	A	65	78	70	65	61	59	56	55
10th	A	65	78	70	65	61	59	56	55
11th	A	65	78	70	65	61	59	56	55
12th	A	65	74	68	64	61	58	56	55
13th	A	65	69	66	63	60	58	56	54
14th	A	65	66	64	62	59	57	56	54
15th	A	65	63	62	60	58	57	55	54
16th	A	65	61	60	59	58	56	55	53
17th	A	65	59	59	58	57	55	54	53
18th	A	65	58	58	57	56	55	54	52
19th	A	65	57	56	56	55	54	53	52
20th	A	65	56	55	55	54	53	52	51
21st	A	65	55	54	54	53	53	52	51
22nd	A	65	54	53	53	53	52	51	51
23rd	A	65	53	53	52	52	51	51	50
24th	A	65	52	52	52	51	51	50	50
25th	A	65	51	51	51	51	50	50	49
26th	A	65	51	50	50	50	50	49	49
27th	A	65	50	50	50	49	49	49	48
28th	A	65	49	49	49	49	49	48	48
29th	A	65	49	49	49	48	48	48	47
30th	A	65	48	48	48	48	48	47	47

Table 2: Predicted Noise Levels from Construction of Trenchless Crossings – Daytime

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Daytime Noise Level (dB LAeq,T)	Daytime Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)					
SouthEast_of_A4146_REF_05	Non-residential	489172	232191	A	65	53	53	Negligible
SouthEast_of_A4146_REF_04	Non-residential	489152	232156	A	65	56	56	Negligible
SouthEast_of_A4146_REF_06	Non-residential	489195	232209	A	65	61	61	Minor
SouthEast_of_A4146_REF_07	Non-residential	489282	232176	A	65	65	65	Minor
SouthEast_of_A4146_REF_03	Non-residential	489208	232094	A	65	70	70	Moderate
SouthEast_of_A4146_REF_02	Non-residential	489198	232047	A	65	74	74	Major
SouthEast_of_A4146_REF_01	Non-residential	489196	232017	A	65	80	80	Major
SouthEast_of_A4146_REF_10	Non-residential	489588	232027	A	65	60	60	Negligible
TC_A5_REF_04	Residential	491334	231839	A	65	49	49	Negligible
TC_A5_REF_05	Residential	491282	232231	A	65	47	47	Negligible
TC_A5_REF_06	Residential	491263	232275	A	65	58	58	Negligible
TC_A5_REF_07	Residential	491235	232276	A	65	51	51	Negligible
TC_A5_REF_08	Residential	491184	232234	A	65	57	57	Negligible
TC_A5_REF_09	Residential	491295	232321	A	65	50	50	Negligible
TC_A5SL_REF_01	Residential	493352	230841	A	65	78	78	Major
TC_A5SL_REF_02	Residential	493316	230738	A	65	78	78	Major
TC_A5SL_REF_03	Residential	493340	230621	A	65	64	64	Minor
TC_A5SL_REF_04	Residential	493338	230537	A	65	62	62	Minor
TC_A5EW_REF_01	Non-residential	494842	228987	A	65	60	60	Negligible
TC_A5EW_REF_03	Non-residential	494794	229056	A	65	51	51	Negligible
TC_A5EW_REF_04	Non-residential	494612	228520	A	65	34	34	Negligible
TC_A5EW_REF_05	Non-residential	494624	228483	A	65	55	55	Negligible
TC_A5EW_REF_07	Non-residential	494620	228434	A	65	38	38	Negligible
TC_A5EW_REF_11	Non-residential	495248	228316	A	65	44	44	Negligible
TC_SGF_REF_01	Residential	496159	226856	A	65	70	70	Moderate
TC_SGF_REF_06	Residential	496013	227122	A	65	58	58	Negligible
TC_SWH_REF_01	Non-residential	496146	226114	A	65	54	54	Negligible
TC_SWH_REF_02	Non-residential	496339	225928	A	65	68	68	Moderate
TC_SWH_REF_04	Residential	496560	226505	A	65	56	56	Negligible
TC_SWH_REF_08	Non-residential	495870	226194	A	65	57	57	Negligible
TC_SWH_REF_11	Non-residential	496988	225610	A	65	47	47	Negligible
TC_SWE_REF_01	Non-residential	496049	225097	A	65	43	43	Negligible
TC_SWE_REF_03	Residential	496082	225293	A	65	51	51	Negligible
TC_SWE_REF_04	Residential	496025	225314	A	65	45	45	Negligible

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Daytime Noise Level (dB LAeq,T)	Daytime Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)					
TC_SWE_REF_06	Non-residential	495928	225221	A	65	41	41	Negligible
TC_SWE_REF_09	Non-residential	495831	225175	A	65	37	37	Negligible
TC_SWE_REF_10	Non-residential	495819	225170	A	65	48	48	Negligible
TC_SWE_REF_11	Non-residential	495799	225160	A	65	56	56	Negligible
TC_SWE_REF_13	Non-residential	496245	224663	A	65	65	65	Minor
TC_SWE_REF_14	Non-residential	496155	224614	A	65	66	66	Moderate
TC_SWE_REF_15	Residential	496245	224520	A	65	59	59	Negligible
TC_SWE_REF_17	Non-residential	496323	224749	A	65	66	66	Moderate
TC_SWS_REF_01	Non-residential	495700	223248	A	65	41	41	Negligible
TC_SWS_REF_02	Residential	495542	223408	A	65	54	54	Negligible
TC_SWS_REF_03	Non-residential	495546	223452	A	65	36	36	Negligible
TC_SWS_REF_04	Non-residential	495646	223514	A	65	55	55	Negligible
TC_SWA5_REF_02	Non-residential	496197	222720	A	65	55	55	Negligible
TC_SWA5_REF_03	Non-residential	496335	222674	A	65	49	49	Negligible
TC_SWA5_REF_07	Residential	496857	223168	A	65	48	48	Negligible
TC_SWA5_REF_08	Residential	496856	223152	A	65	50	50	Negligible
TC_SWA5_REF_09	Residential	496877	223110	A	65	49	49	Negligible
TC_SWA5_REF_10	Residential	496898	223104	A	65	33	33	Negligible
TC_SWA5_REF_11	Residential	496891	223154	A	65	33	33	Negligible
TC_SWA5_REF_12	Residential	496896	223136	A	65	47	47	Negligible
TC_EME_REF_02	Non-residential	498790	220343	A	65	62	62	Minor
TC_EME_REF_07	Non-residential	498178	220099	A	65	58	58	Negligible
TC_EME_REF_09	Non-residential	498111	220102	A	65	56	56	Negligible
TC_EME_REF_11	Residential	498986	220247	A	65	60	60	Negligible
TC_EME_REF_12	Non-residential	498996	220171	A	65	61	61	Minor
TC_EME_REF_13	Non-residential	499001	220154	A	65	60	60	Negligible
TC_EME_REF_16	Non-residential	498476	219743	A	65	57	57	Negligible
TC_DDS_REF_01	Non-residential	500807	219537	A	65	48	48	Negligible
TC_DDS_REF_02	Non-residential	500120	220208	A	65	42	42	Negligible
TC_DDS_REF_04	Non-residential	500971	220294	A	65	54	54	Negligible
TC_DDS_REF_06	Non-residential	501401	219720	A	65	47	47	Negligible
TC_MCE_REF_01	Non-residential	504173	219714	A	65	59	59	Negligible
TC_MCE_REF_05	Non-residential	504188	219626	A	65	56	56	Negligible
TC_MCE_REF_10	Non-residential	503622	220372	A	65	53	53	Negligible
TC_CHA_REF_01	Residential	505910	221067	A	65	73	73	Major

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Daytime Noise Level (dB LAeq,T)	Daytime Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)					
TC_CHA_REF_03	Residential	505874	220960	A	65	55	55	Negligible
TC_CHA_REF_04	Residential	505861	220936	A	65	56	56	Negligible
TC_CHA_REF_05	Residential	505853	220924	A	65	57	57	Negligible
TC_CHA_REF_06	Residential	505850	220911	A	65	50	50	Negligible
TC_CHA_REF_07	Residential	505856	220972	A	65	67	67	Moderate
TC_CHA_REF_08	Residential	505864	221008	A	65	68	68	Moderate
TC_CHA_REF_09	Residential	505872	221032	A	65	69	69	Moderate
TC_CHA_REF_10	Residential	505876	221047	A	65	69	69	Moderate
TC_CHA_REF_11	Residential	505879	221064	A	65	58	58	Negligible
TC_CHA_REF_12	Residential	505879	221082	A	65	61	61	Minor
TC_CHA_REF_13	Residential	505909	221083	A	65	73	73	Major
TC_CHA_REF_14	Residential	505901	221095	A	65	69	69	Moderate
TC_CHA_REF_16	Residential	505903	221123	A	65	72	72	Major
TC_CHA_REF_17	Residential	505902	221144	A	65	68	68	Moderate
TC_CHA_REF_18	Residential	505904	221161	A	65	72	72	Major
TC_CHA_REF_19	Residential	505884	221157	A	65	57	57	Negligible
TC_CHA_REF_20	Residential	505870	221145	A	65	63	63	Minor
TC_CHA_REF_21	Residential	505896	221256	A	65	65	65	Minor
TC_CHA_REF_22	Residential	505901	221270	A	65	68	68	Moderate
TC_CHA_REF_23	Residential	505881	221257	A	65	67	67	Moderate
TC_CHA_REF_24	Residential	505861	221250	A	65	66	66	Moderate
TC_CHA_REF_25	Residential	505842	221243	A	65	55	55	Negligible
TC_CHA_REF_26	Residential	505832	221237	A	65	50	50	Negligible
TC_CHA_REF_27	Residential	505821	221234	A	65	65	65	Minor
TC_CHA_REF_28	Residential	505887	221293	A	65	50	50	Negligible
TC_CHA_REF_29	Residential	505874	221280	A	65	60	60	Negligible
TC_CHA_REF_30	Residential	505858	221280	A	65	58	58	Negligible
TC_CHA_REF_31	Residential	505826	221269	A	65	58	58	Negligible
TC_CHA_REF_32	Residential	505801	221252	A	65	57	57	Negligible
TC_CHA_REF_33	Residential	505798	221240	A	65	54	54	Negligible
TC_CHA_REF_34	Residential	505802	221225	A	65	64	64	Minor

Table 3: Predicted Noise Levels from Construction of Trenchless Crossings – Evening time

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Evening Time Noise Level (dB LAeq,T)	Evening Time Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)					
SouthEast_of_A4146_REF_05	Non-residential	489172	232191	A	55	45	45	Negligible
SouthEast_of_A4146_REF_04	Non-residential	489152	232156	A	55	46	46	Negligible
SouthEast_of_A4146_REF_06	Non-residential	489195	232209	A	55	45	45	Negligible
SouthEast_of_A4146_REF_07	Non-residential	489282	232176	A	55	56	56	Moderate
SouthEast_of_A4146_REF_03	Non-residential	489208	232094	A	55	56	56	Moderate
SouthEast_of_A4146_REF_02	Non-residential	489198	232047	A	55	57	57	Moderate
SouthEast_of_A4146_REF_01	Non-residential	489196	232017	A	55	72	72	Major
SouthEast_of_A4146_REF_10	Non-residential	489588	232027	A	55	49	49	Negligible
TC_A5_REF_04	Residential	491334	231839	A	55	35	35	Negligible
TC_A5_REF_05	Residential	491282	232231	A	55	39	39	Negligible
TC_A5_REF_06	Residential	491263	232275	A	55	50	50	Negligible
TC_A5_REF_07	Residential	491235	232276	A	55	42	42	Negligible
TC_A5_REF_08	Residential	491184	232234	A	55	49	49	Negligible
TC_A5_REF_09	Residential	491295	232321	A	55	41	41	Negligible
TC_A5SL_REF_01	Residential	493352	230841	A	55	65	65	Major
TC_A5SL_REF_02	Residential	493316	230738	A	55	63	63	Major
TC_A5SL_REF_03	Residential	493340	230621	A	55	42	42	Negligible
TC_A5SL_REF_04	Residential	493338	230537	A	55	54	54	Minor
TC_A5EW_REF_01	Non-residential	494842	228987	A	55	52	52	Minor
TC_A5EW_REF_03	Non-residential	494794	229056	A	55	29	29	Negligible
TC_A5EW_REF_04	Non-residential	494612	228520	A	55	25	25	Negligible
TC_A5EW_REF_05	Non-residential	494624	228483	A	55	46	46	Negligible
TC_A5EW_REF_07	Non-residential	494620	228434	A	55	29	29	Negligible
TC_A5EW_REF_11	Non-residential	495248	228316	A	55	35	35	Negligible
TC_SGF_REF_01	Residential	496159	226856	A	55	61	61	Major
TC_SGF_REF_06	Residential	496013	227122	A	55	50	50	Negligible
TC_SWH_REF_01	Non-residential	496146	226114	A	55	45	45	Negligible
TC_SWH_REF_02	Non-residential	496339	225928	A	55	57	57	Moderate
TC_SWH_REF_04	Residential	496560	226505	A	55	47	47	Negligible
TC_SWH_REF_08	Non-residential	495870	226194	A	55	48	48	Negligible
TC_SWH_REF_11	Non-residential	496988	225610	A	55	38	38	Negligible
TC_SWE_REF_01	Non-residential	496049	225097	A	55	35	35	Negligible
TC_SWE_REF_03	Residential	496082	225293	A	55	38	38	Negligible

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Evening Time Noise Level (dB LAeq,T)	Evening Time Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)					
TC_SWE_REF_04	Residential	496025	225314	A	55	36	36	Negligible
TC_SWE_REF_06	Non-residential	495928	225221	A	55	33	33	Negligible
TC_SWE_REF_09	Non-residential	495831	225175	A	55	29	29	Negligible
TC_SWE_REF_10	Non-residential	495819	225170	A	55	38	38	Negligible
TC_SWE_REF_11	Non-residential	495799	225160	A	55	48	48	Negligible
TC_SWE_REF_13	Non-residential	496245	224663	A	55	57	57	Moderate
TC_SWE_REF_14	Non-residential	496155	224614	A	55	56	56	Moderate
TC_SWE_REF_15	Residential	496245	224520	A	55	50	50	Negligible
TC_SWE_REF_17	Non-residential	496323	224749	A	55	58	58	Moderate
TC_SWS_REF_01	Non-residential	495700	223248	A	55	31	31	Negligible
TC_SWS_REF_02	Residential	495542	223408	A	55	46	46	Negligible
TC_SWS_REF_03	Non-residential	495546	223452	A	55	28	28	Negligible
TC_SWS_REF_04	Non-residential	495646	223514	A	55	46	46	Negligible
TC_SWA5_REF_02	Non-residential	496197	222720	A	55	40	40	Negligible
TC_SWA5_REF_03	Non-residential	496335	222674	A	55	37	37	Negligible
TC_SWA5_REF_07	Residential	496857	223168	A	55	39	39	Negligible
TC_SWA5_REF_08	Residential	496856	223152	A	55	42	42	Negligible
TC_SWA5_REF_09	Residential	496877	223110	A	55	40	40	Negligible
TC_SWA5_REF_10	Residential	496898	223104	A	55	25	25	Negligible
TC_SWA5_REF_11	Residential	496891	223154	A	55	25	25	Negligible
TC_SWA5_REF_12	Residential	496896	223136	A	55	39	39	Negligible
TC_EME_REF_02	Non-residential	498790	220343	A	55	54	54	Minor
TC_EME_REF_07	Non-residential	498178	220099	A	55	49	49	Negligible
TC_EME_REF_09	Non-residential	498111	220102	A	55	48	48	Negligible
TC_EME_REF_11	Residential	498986	220247	A	55	51	51	Minor
TC_EME_REF_12	Non-residential	498996	220171	A	55	52	52	Minor
TC_EME_REF_13	Non-residential	499001	220154	A	55	51	51	Minor
TC_EME_REF_16	Non-residential	498476	219743	A	55	48	48	Negligible
TC_DDS_REF_01	Non-residential	500807	219537	A	55	39	39	Negligible
TC_DDS_REF_02	Non-residential	500120	220208	A	55	34	34	Negligible
TC_DDS_REF_04	Non-residential	500971	220294	A	55	46	46	Negligible
TC_DDS_REF_06	Non-residential	501401	219720	A	55	38	38	Negligible
TC_MCE_REF_01	Non-residential	504173	219714	A	55	51	51	Minor
TC_MCE_REF_05	Non-residential	504188	219626	A	55	48	48	Negligible

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Evening Time Noise Level (dB LAeq,T)	Evening Time Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)					
TC_MCE_REF_10	Non-residential	503622	220372	A	55	45	45	Negligible
TC_CHA_REF_01	Residential	505910	221067	A	55	64	64	Major
TC_CHA_REF_03	Residential	505874	220960	A	55	46	46	Negligible
TC_CHA_REF_04	Residential	505861	220936	A	55	44	44	Negligible
TC_CHA_REF_05	Residential	505853	220924	A	55	45	45	Negligible
TC_CHA_REF_06	Residential	505850	220911	A	55	42	42	Negligible
TC_CHA_REF_07	Residential	505856	220972	A	55	58	58	Moderate
TC_CHA_REF_08	Residential	505864	221008	A	55	60	60	Moderate
TC_CHA_REF_09	Residential	505872	221032	A	55	61	61	Major
TC_CHA_REF_10	Residential	505876	221047	A	55	61	61	Major
TC_CHA_REF_11	Residential	505879	221064	A	55	49	49	Negligible
TC_CHA_REF_12	Residential	505879	221082	A	55	48	48	Negligible
TC_CHA_REF_13	Residential	505909	221083	A	55	65	65	Major
TC_CHA_REF_14	Residential	505901	221095	A	55	58	58	Moderate
TC_CHA_REF_16	Residential	505903	221123	A	55	42	42	Negligible
TC_CHA_REF_17	Residential	505902	221144	A	55	53	53	Minor
TC_CHA_REF_18	Residential	505904	221161	A	55	57	57	Moderate
TC_CHA_REF_19	Residential	505884	221157	A	55	38	38	Negligible
TC_CHA_REF_20	Residential	505870	221145	A	55	46	46	Negligible
TC_CHA_REF_21	Residential	505896	221256	A	55	49	49	Negligible
TC_CHA_REF_22	Residential	505901	221270	A	55	51	51	Minor
TC_CHA_REF_23	Residential	505881	221257	A	55	53	53	Minor
TC_CHA_REF_24	Residential	505861	221250	A	55	51	51	Minor
TC_CHA_REF_25	Residential	505842	221243	A	55	40	40	Negligible
TC_CHA_REF_26	Residential	505832	221237	A	55	40	40	Negligible
TC_CHA_REF_27	Residential	505821	221234	A	55	43	43	Negligible
TC_CHA_REF_28	Residential	505887	221293	A	55	37	37	Negligible
TC_CHA_REF_29	Residential	505874	221280	A	55	44	44	Negligible
TC_CHA_REF_30	Residential	505858	221280	A	55	46	46	Negligible
TC_CHA_REF_31	Residential	505826	221269	A	55	48	48	Negligible
TC_CHA_REF_32	Residential	505801	221252	A	55	43	43	Negligible
TC_CHA_REF_33	Residential	505798	221240	A	55	41	41	Negligible
TC_CHA_REF_34	Residential	505802	221225	A	55	45	45	Negligible

Table 4: Predicted Noise Levels from Construction of Trenchless Crossings – Night-time

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Night-time Noise Level (dB LAeq,T)	Night-time Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)					
SouthEast_of_A4146_REF_05	Non-residential	489172	232191	A	45	45	45	Minor
SouthEast_of_A4146_REF_04	Non-residential	489152	232156	A	45	46	46	Moderate
SouthEast_of_A4146_REF_06	Non-residential	489195	232209	A	45	45	45	Minor
SouthEast_of_A4146_REF_07	Non-residential	489282	232176	A	45	56	56	Major
SouthEast_of_A4146_REF_03	Non-residential	489208	232094	A	45	56	56	Major
SouthEast_of_A4146_REF_02	Non-residential	489198	232047	A	45	57	57	Major
SouthEast_of_A4146_REF_01	Non-residential	489196	232017	A	45	72	72	Major
SouthEast_of_A4146_REF_10	Non-residential	489588	232027	A	45	49	49	Moderate
TC_A5_REF_04	Residential	491334	231839	A	45	35	35	Negligible
TC_A5_REF_05	Residential	491282	232231	A	45	39	39	Negligible
TC_A5_REF_06	Residential	491263	232275	A	45	50	50	Moderate
TC_A5_REF_07	Residential	491235	232276	A	45	42	42	Minor
TC_A5_REF_08	Residential	491184	232234	A	45	49	49	Moderate
TC_A5_REF_09	Residential	491295	232321	A	45	41	41	Minor
TC_A5SL_REF_01	Residential	493352	230841	A	45	65	65	Major
TC_A5SL_REF_02	Residential	493316	230738	A	45	63	63	Major
TC_A5SL_REF_03	Residential	493340	230621	A	45	42	42	Minor
TC_A5SL_REF_04	Residential	493338	230537	A	45	54	54	Major
TC_A5EW_REF_01	Non-residential	494842	228987	A	45	52	52	Major
TC_A5EW_REF_03	Non-residential	494794	229056	A	45	29	29	Negligible
TC_A5EW_REF_04	Non-residential	494612	228520	A	45	25	25	Negligible
TC_A5EW_REF_05	Non-residential	494624	228483	A	45	46	46	Moderate
TC_A5EW_REF_07	Non-residential	494620	228434	A	45	29	29	Negligible
TC_A5EW_REF_11	Non-residential	495248	228316	A	45	35	35	Negligible
TC_SGF_REF_01	Residential	496159	226856	A	45	61	61	Major
TC_SGF_REF_06	Residential	496013	227122	A	45	50	50	Moderate
TC_SWH_REF_01	Non-residential	496146	226114	A	45	45	45	Minor
TC_SWH_REF_02	Non-residential	496339	225928	A	45	57	57	Major
TC_SWH_REF_04	Residential	496560	226505	A	45	47	47	Moderate
TC_SWH_REF_08	Non-residential	495870	226194	A	45	48	48	Moderate
TC_SWH_REF_11	Non-residential	496988	225610	A	45	38	38	Negligible
TC_SWE_REF_01	Non-residential	496049	225097	A	45	35	35	Negligible
TC_SWE_REF_03	Residential	496082	225293	A	45	38	38	Negligible
TC_SWE_REF_04	Residential	496025	225314	A	45	36	36	Negligible

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Night-time Noise Level (dB LAeq,T)	Night-time Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)					
TC_SWE_REF_06	Non-residential	495928	225221	A	45	33	33	Negligible
TC_SWE_REF_09	Non-residential	495831	225175	A	45	29	29	Negligible
TC_SWE_REF_10	Non-residential	495819	225170	A	45	38	38	Negligible
TC_SWE_REF_11	Non-residential	495799	225160	A	45	48	48	Moderate
TC_SWE_REF_13	Non-residential	496245	224663	A	45	57	57	Major
TC_SWE_REF_14	Non-residential	496155	224614	A	45	56	56	Major
TC_SWE_REF_15	Residential	496245	224520	A	45	50	50	Moderate
TC_SWE_REF_17	Non-residential	496323	224749	A	45	58	58	Major
TC_SWS_REF_01	Non-residential	495700	223248	A	45	31	31	Negligible
TC_SWS_REF_02	Residential	495542	223408	A	45	46	46	Moderate
TC_SWS_REF_03	Non-residential	495546	223452	A	45	28	28	Negligible
TC_SWS_REF_04	Non-residential	495646	223514	A	45	46	46	Moderate
TC_SWA5_REF_02	Non-residential	496197	222720	A	45	40	40	Negligible
TC_SWA5_REF_03	Non-residential	496335	222674	A	45	37	37	Negligible
TC_SWA5_REF_07	Residential	496857	223168	A	45	39	39	Negligible
TC_SWA5_REF_08	Residential	496856	223152	A	45	42	42	Minor
TC_SWA5_REF_09	Residential	496877	223110	A	45	40	40	Negligible
TC_SWA5_REF_10	Residential	496898	223104	A	45	25	25	Negligible
TC_SWA5_REF_11	Residential	496891	223154	A	45	25	25	Negligible
TC_SWA5_REF_12	Residential	496896	223136	A	45	39	39	Negligible
TC_EME_REF_02	Non-residential	498790	220343	A	45	54	54	Major
TC_EME_REF_07	Non-residential	498178	220099	A	45	49	49	Moderate
TC_EME_REF_09	Non-residential	498111	220102	A	45	48	48	Moderate
TC_EME_REF_11	Residential	498986	220247	A	45	51	51	Major
TC_EME_REF_12	Non-residential	498996	220171	A	45	52	52	Major
TC_EME_REF_13	Non-residential	499001	220154	A	45	51	51	Major
TC_EME_REF_16	Non-residential	498476	219743	A	45	48	48	Moderate
TC_DDS_REF_01	Non-residential	500807	219537	A	45	39	39	Negligible
TC_DDS_REF_02	Non-residential	500120	220208	A	45	34	34	Negligible
TC_DDS_REF_04	Non-residential	500971	220294	A	45	46	46	Moderate
TC_DDS_REF_06	Non-residential	501401	219720	A	45	38	38	Negligible
TC_MCE_REF_01	Non-residential	504173	219714	A	45	51	51	Major
TC_MCE_REF_05	Non-residential	504188	219626	A	45	48	48	Moderate
TC_MCE_REF_10	Non-residential	503622	220372	A	45	45	45	Minor
TC_CHA_REF_01	Residential	505910	221067	A	45	64	64	Major

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Night-time Noise Level (dB LAeq,T)	Night-time Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)					
TC_CHA_REF_03	Residential	505874	220960	A	45	46	46	Moderate
TC_CHA_REF_04	Residential	505861	220936	A	45	44	44	Minor
TC_CHA_REF_05	Residential	505853	220924	A	45	45	45	Minor
TC_CHA_REF_06	Residential	505850	220911	A	45	42	42	Minor
TC_CHA_REF_07	Residential	505856	220972	A	45	58	58	Major
TC_CHA_REF_08	Residential	505864	221008	A	45	60	60	Major
TC_CHA_REF_09	Residential	505872	221032	A	45	61	61	Major
TC_CHA_REF_10	Residential	505876	221047	A	45	61	61	Major
TC_CHA_REF_11	Residential	505879	221064	A	45	49	49	Moderate
TC_CHA_REF_12	Residential	505879	221082	A	45	48	48	Moderate
TC_CHA_REF_13	Residential	505909	221083	A	45	65	65	Major
TC_CHA_REF_14	Residential	505901	221095	A	45	58	58	Major
TC_CHA_REF_16	Residential	505903	221123	A	45	42	42	Minor
TC_CHA_REF_17	Residential	505902	221144	A	45	53	53	Major
TC_CHA_REF_18	Residential	505904	221161	A	45	57	57	Major
TC_CHA_REF_19	Residential	505884	221157	A	45	38	38	Negligible
TC_CHA_REF_20	Residential	505870	221145	A	45	46	46	Moderate
TC_CHA_REF_21	Residential	505896	221256	A	45	49	49	Moderate
TC_CHA_REF_22	Residential	505901	221270	A	45	51	51	Major
TC_CHA_REF_23	Residential	505881	221257	A	45	53	53	Major
TC_CHA_REF_24	Residential	505861	221250	A	45	51	51	Major
TC_CHA_REF_25	Residential	505842	221243	A	45	40	40	Negligible
TC_CHA_REF_26	Residential	505832	221237	A	45	40	40	Negligible
TC_CHA_REF_27	Residential	505821	221234	A	45	43	43	Minor
TC_CHA_REF_28	Residential	505887	221293	A	45	37	37	Negligible
TC_CHA_REF_29	Residential	505874	221280	A	45	44	44	Minor
TC_CHA_REF_30	Residential	505858	221280	A	45	46	46	Moderate
TC_CHA_REF_31	Residential	505826	221269	A	45	48	48	Moderate
TC_CHA_REF_32	Residential	505801	221252	A	45	43	43	Minor
TC_CHA_REF_33	Residential	505798	221240	A	45	41	41	Minor
TC_CHA_REF_34	Residential	505802	221225	A	45	45	45	Minor