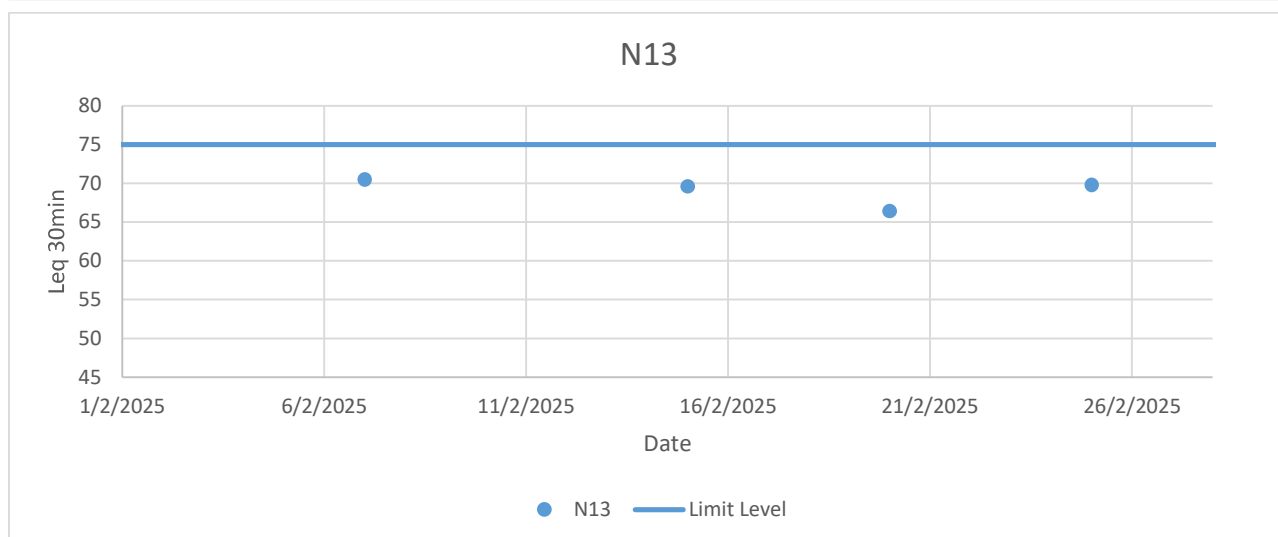
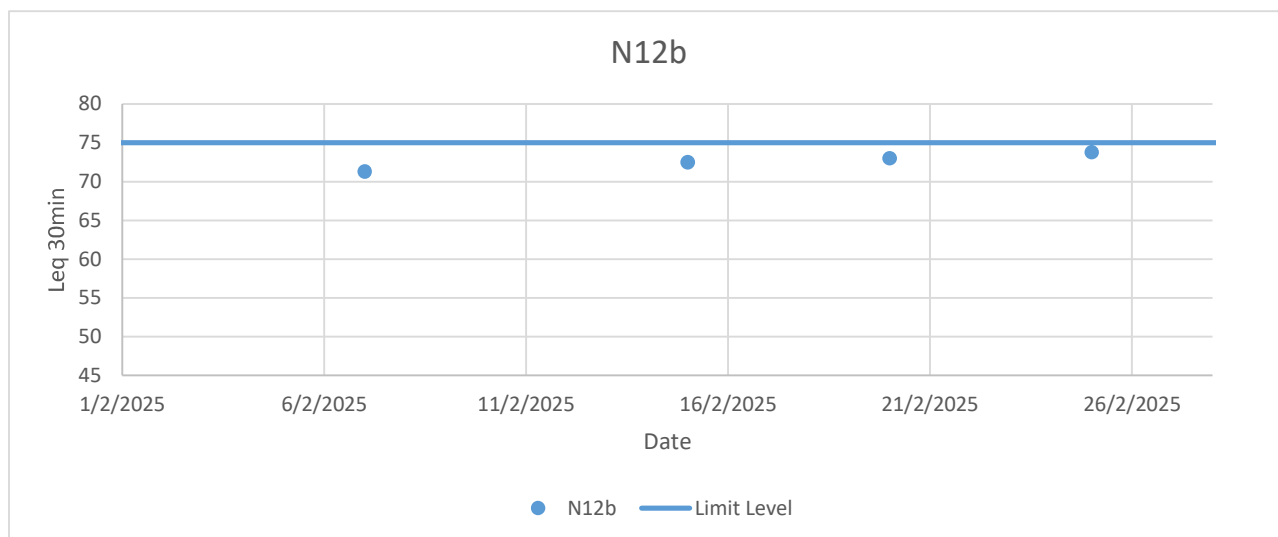
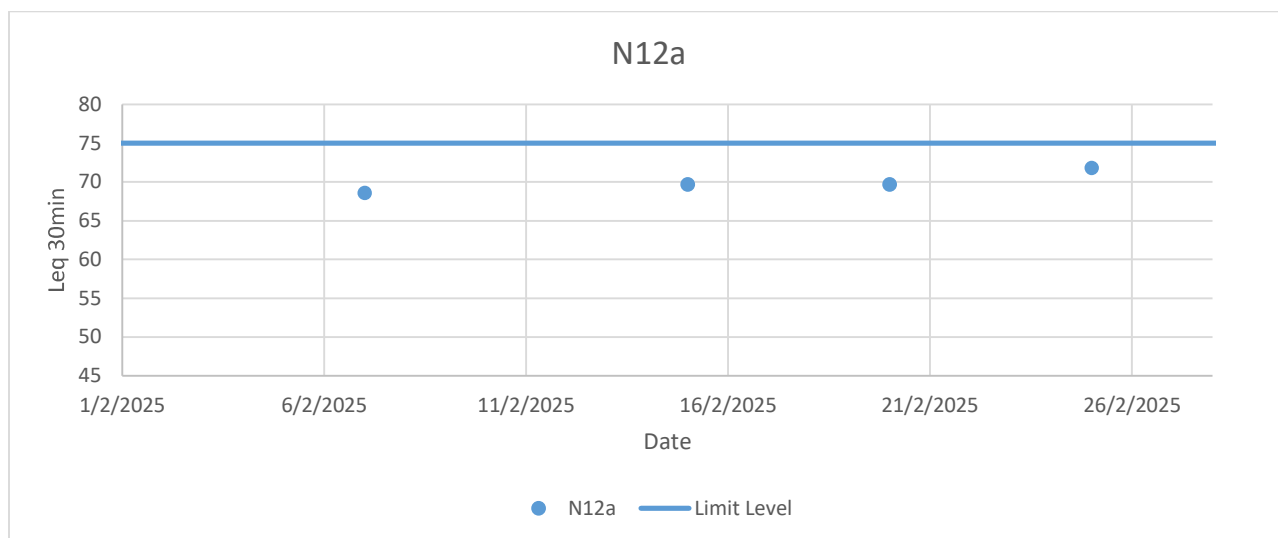
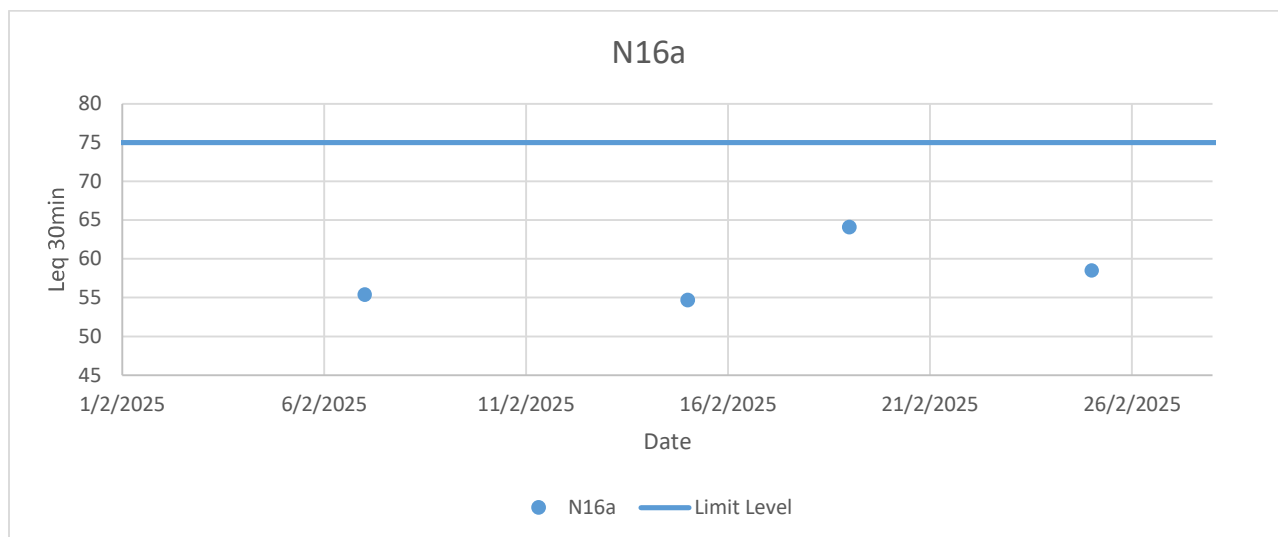
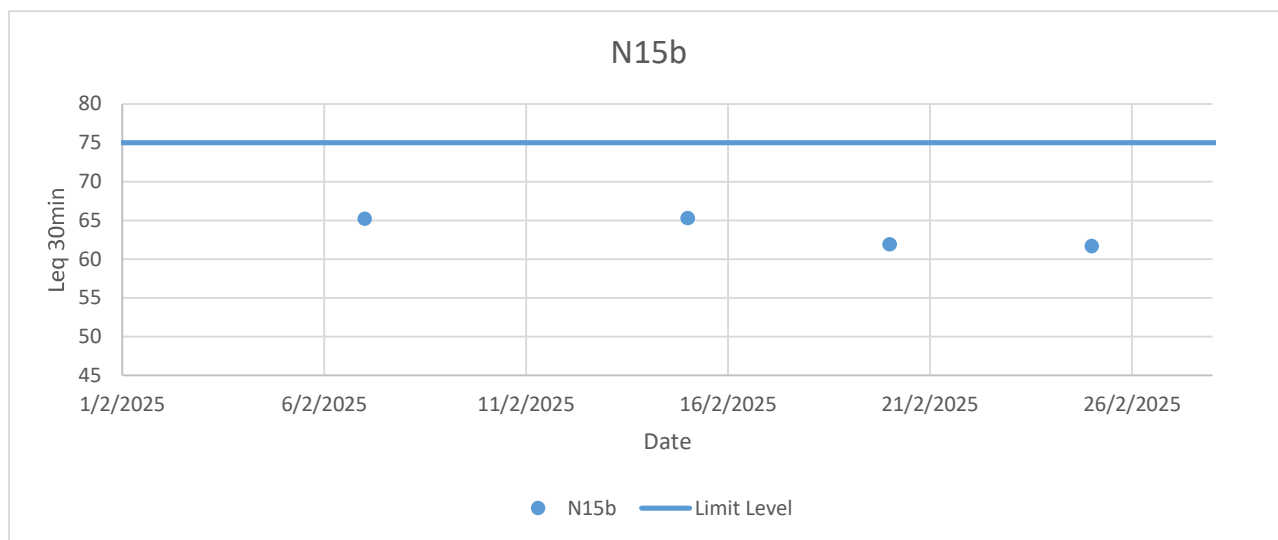
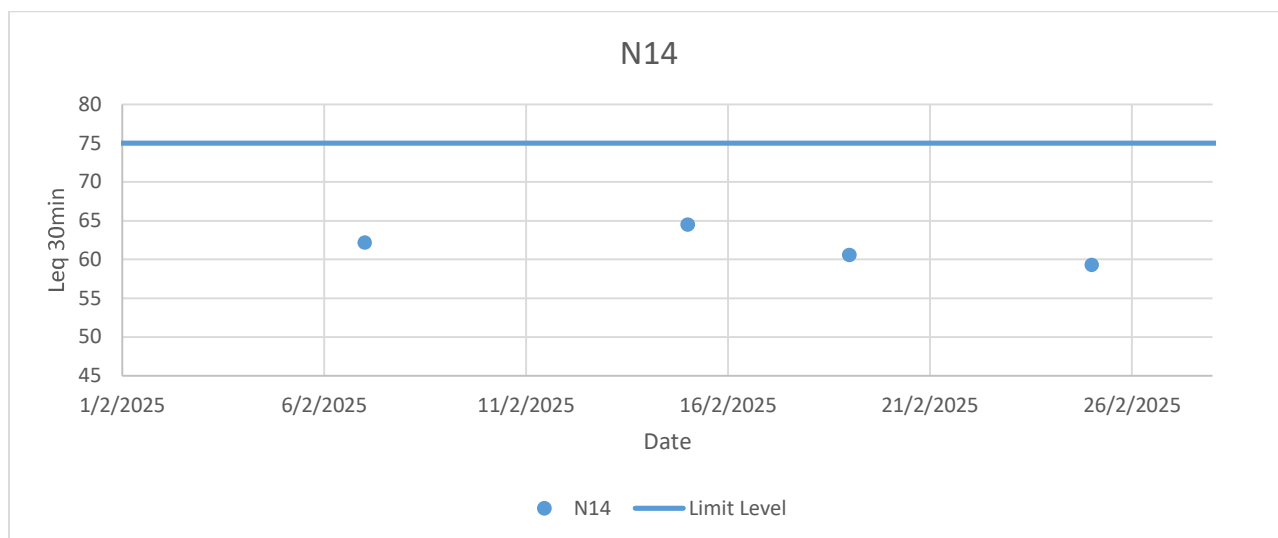
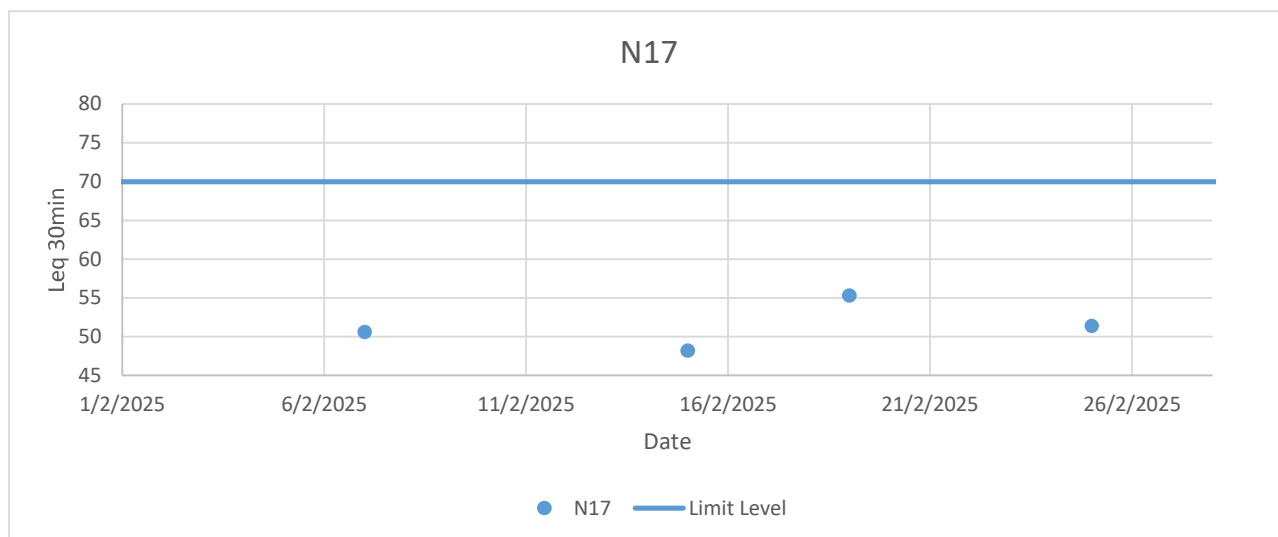
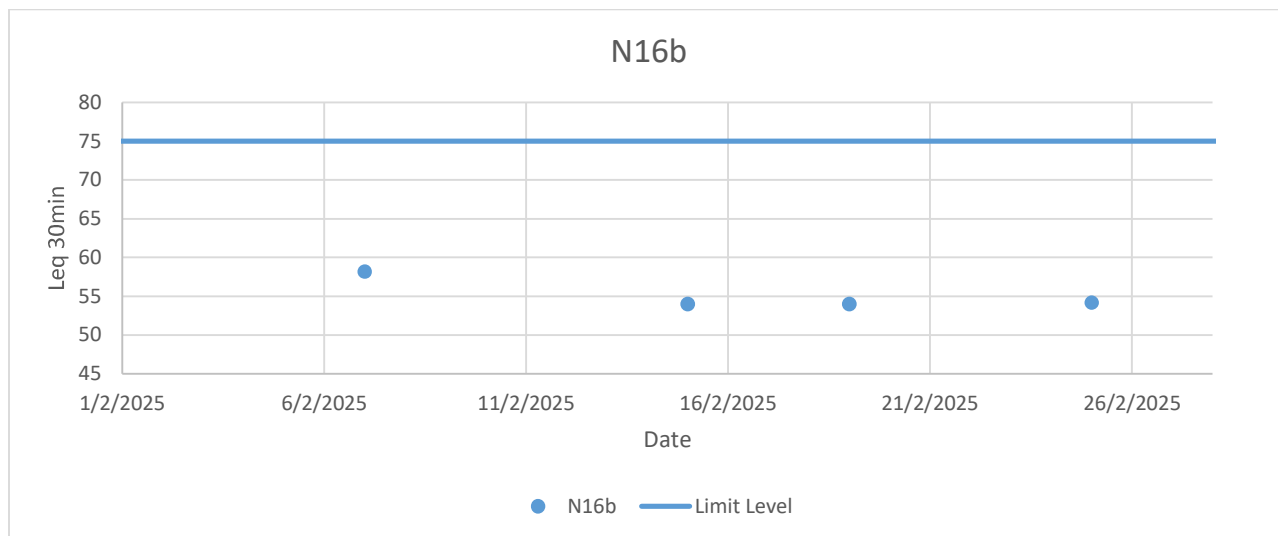


Appendix 4.3

Noise Monitoring Results and Graphical Presentations









Contract No. CM 04/2024 - Outlying Islands Sewerage
Stage 2 – South Lantau Sewerage Works –
Environmental Team Services (2025 - 2027)

UMWELT CONSULTING LIMITED

23/F, On Hong Commercial Building, 145
Hennessy Road, Wan Chai, Hong Kong

Ref N12a Location N12a Location Name Lo Uk Tsuen Level G/F Type of Measurement Free-Field

3	7/2/2025	Weather Fine	Wind Condition Calm	Start Time 12:17	End Time 12:47	Measured Noise Level				Leq30mins	Façade Correction 3.0	Corrected Leq30mins 68.6	Baseline Level 73.3	Construction Noise Level <Baseline Level	Limit Level 75.0	Noise Sources Dog barks, traffic	Construction Noise Not observed	Remarks --
						Leq	L10	L90	L90									
15/2/2025		Sunny	Calm	15:55	16:25	66.1	69.0	43.1	43.1	65.6	3.0	68.6	73.3	<Baseline Level	75.0	Dog barks, traffic	Not observed	--
						66.5	70.2	49.6	49.6									
						63.6	68.8	43.0	43.0									
						66.4	71.2	44.0	44.0									
						64.9	69.2	41.7	41.7									
20/2/2025		Sunny	Calm	10:38	11:08	66.4	71.9	39.1	39.1	66.7	3.0	69.7	73.3	<Baseline Level	75.0	Human activities, dog barks, bird, traffic	Hammering noise	--
						64.5	69.1	42.1	42.1									
						65.9	70.9	42.3	42.3									
						65.6	69.9	40.7	40.7									
						68.1	71.7	44.6	44.6									
25/2/2025		Cloudy	Calm	09:59	10:29	66.3	70.8	42.2	42.2	66.7	3.0	71.8	73.3	<Baseline Level	75.0	Human activities, birds, dog barks, traffic	Drilling noise	--
						68.5	72.1	42.1	42.1									
						68.1	73.0	54.6	54.6									
						66.4	69.8	59.4	59.4									
						66.7	69.8	49.9	49.9									
25/2/2025		Cloudy	Calm	09:59	10:29	67.4	70.5	53.9	53.9	68.8	3.0	71.8	73.3	<Baseline Level	75.0	Birds, dog barks, traffic	Not observed	--
						65.3	67.6	53.0	53.0									
						65.4	68.3	51.9	51.9									
						66.9	71.2	52.4	52.4									
						71.2	70.1	49.9	49.9									
25/2/2025		Cloudy	Calm	09:59	10:29	66.6	70.9	52.1	52.1	68.8	3.0	71.8	73.3	<Baseline Level	75.0	Birds, dog barks, traffic	Not observed	--
						64.6	69.8	47.3	47.3									
						68.1	70.9	48.2	48.2									
25/2/2025		Cloudy	Calm	09:59	10:29	71.3	70.1	47.0	47.0	68.8	3.0	71.8	73.3	<Baseline Level	75.0	Birds, dog barks, traffic	Not observed	--



Contract No. CM 04/2024 - Outlying Islands Sewerage
Stage 2 – South Lantau Sewerage Works –
Environmental Team Services (2025 - 2027)

UMWELT CONSULTING LIMITED

23/F, On Hong Commercial Building, 145
Hennessy Road, Wan Chai, Hong Kong

Ref N12b Location N12b Location Name Lo Uk Tsuen Level G/F Type of Measurement Free-Field

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level				Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Limit Level	Noise Sources	Construction Noise	Remarks
7/2/2025	Fine	Calm	13:02	13:32	Leq	66.3	69.4	46.8	68.3	3.0	71.3	76.8	<Baseline Level	75.0	Human activities, traffic	Not observed	--
					L10	67.8	70.6	44.2									
					L90	70.5	72.9	44.6									
						66.9	72.7	43.0									
						68.0	71.2	47.5									
						68.7	73.3	48.5									
15/2/2025	Sunny	Calm	15:18	15:48	Leq	71.0	74.5	54.9	69.5	3.0	72.5	76.8	<Baseline Level	75.0	Construction Noise from 18/wsd/21, traffic	Not observed	--
					L10	71.6	75.1	53.5									
					L90	67.8	71.7	52.1									
						68.0	70.8	52.1									
						68.5	72.0	51.9									
						68.7	73.0	53.6									
20/2/2025	Sunny	Calm	11:24	11:54	Leq	70.9	73.8	65.8	70.0	3.0	73.0	76.8	<Baseline Level	75.0	Loading/unloading, human activities, birds, dog barks, traffic	Not observed	--
					L10	70.3	72.4	65.5									
					L90	71.7	75.9	51.7									
						66.9	70.0	49.4									
						71.1	73.8	49.8									
						66.0	69.1	44.1									
25/2/2025	Cloudy	Calm	10:41	11:11	Leq	68.9	71.5	66.7	70.8	3.0	73.8	76.8	<Baseline Level	75.0	Construction noise from 18/wsd/21, human activities, birds, traffic	Not observed	--
					L10	70.9	73.3	66.9									
					L90	71.3	73.0	67.0									
						69.6	72.0	67.1									
						70.4	71.5	67.2									
						72.6	75.6	67.1									

Ref **Location Name** **Level** **Type of Measurement**
Location N13 Pui O San Wai Tsuen G/F Free-field

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Limit Level	Noise Sources	Construction Noise	Remarks
					Leg	L10	L90									
7/2/2025	Fine	Calm	13:43	14:13	66.7	70.9	54.6	67.5	3.0	70.5	73.6	<Baseline Level	75.0	Human activities, bird, traffic	Not observed	--
					68.0	70.3	53.3									
					69.2	72.7	57.7									
					68.8	70.0	53.6									
					65.0	67.9	55.0									
					65.4	69.1	53.8									
15/2/2025	Fine	Calm	11:31	12:01	67.4	71.4	50.7	66.6	3.0	69.6	73.6	<Baseline Level	75.0	Birds, traffic	Not observed	--
					68.1	71.8	51.9									
					67.1	70.0	51.3									
					66.4	71.1	50.0									
					65.2	68.8	48.8									
					63.9	66.1	48.8									
20/2/2025	Sunny	Calm	12:01	12:31	65.8	69.5	46.3	63.4	3.0	66.4	73.6	<Baseline Level	75.0	Renovation works, birds, traffi	Not observed	--
					63.4	67.7	46.2									
					62.4	65.7	45.6									
					64.0	68.3	45.4									
					62.4	67.2	44.9									
					60.0	65.9	45.5									
25/2/2025	Cloudy	Calm	11:20	11:50	66.3	69.7	60.4	66.8	3.0	69.8	73.6	<Baseline Level	75.0	Renovation, human activities, birds, traffic	Ground breaking noise	--
					65.2	68.2	60.4									
					67.6	69.4	59.8									
					67.6	71.2	61.2									
					66.6	70.0	53.9									
					66.9	70.8	54.7									



Contract No. CM 04/2024 - Outlying Islands Sewerage
Stage 2 – South Lantau Sewerage Works –
Environmental Team Services (2025 - 2027)

Ref Location Name Level Type of Measurement
Location N14 Pui O San Wai Tsuen G/F Free-field

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Limit Level	Noise Sources	Construction Noise	Remarks
					Leq	L10	L90									
7/2/2025	Fine	Calm	15:02	15:32	60.1	61.6	52.2	59.2	3.0	62.2	62.2	<Baseline Level	75.0	Human activities, traffic	Not observed	--
					58.7	62.9	50.2									
					56.0	58.8	50.4									
					54.6	57.2	49.4									
					63.4	66.0	49.6									
					55.7	57.9	49.5									
15/2/2025	Fine	Calm	12:55	13:25	62.2	62.7	58.3	61.5	3.0	64.5	62.2	60.6	75.0	Bird, traffic	Water pump	--
					63.0	62.8	58.2									
					59.8	60.1	58.4									
					61.9	63.1	58.5									
					60.1	61.7	58.5									
					61.1	61.2	58.5									
19/2/2025	Fine	Calm	12:02	12:32	60.4	59.0	44.1	57.6	3.0	60.6	62.2	<Baseline Level	75.0	Bird, traffic	Not observed	--
					57.2	58.8	43.0									
					61.1	62.9	42.9									
					50.9	51.5	42.3									
					54.5	56.2	44.3									
					51.3	53.2	44.3									
25/2/2025	Fine	Calm	16:09	16:39	57.7	58.1	44.4	56.3	3.0	59.3	62.2	<Baseline Level	75.0	Human activities, birds, traffic, cows	Not observed	--
					51.7	55.1	45.7									
					59.8	60.2	46.9									
					55.8	59.3	45.9									
					55.7	55.5	43.4									
					50.4	52.7	45.5									



Contract No. CM 04/2024 - Outlying Islands Sewerage
Stage 2 – South Lantau Sewerage Works –
Environmental Team Services (2025 - 2027)

Ref Location Name Level Type of Measurement
Location N15b Pui O Lo Wai Tsuen G/F Façade

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Limit Level	Noise Sources	Construction Noise	Remarks
					Leq	L10	L90									
7/2/2025	Fine	Calm	15:47	16:17	62.3	65.8	55.3	65.2	--	65.2	73.3	<Baseline Level	75.0	Traffic, helicopter	Not observed	--
					66.6	68.2	60.6									
					66.4	67.7	64.6									
					66.0	67.4	64.8									
					65.1	67.6	54.9									
					63.4	68.3	55.0									
15/2/2025	Fine	Calm	10:53	11:23	61.4	65.7	54.1	65.3	--	65.3	73.3	<Baseline Level	75.0	Traffic, cargo loading/unloading	Not observed	Road works at 30m
					62.5	65.5	54.1									
					64.5	67.8	55.1									
					67.2	70.5	60.9									
					66.7	69.3	63.7									
					66.3	68.4	63.6									
20/2/2025	Sunny	Calm	12:42	13:12	61.6	65.6	54.5	61.9	--	61.9	73.3	<Baseline Level	75.0	Traffic, workshop, birds	Not observed	--
					61.8	65.0	54.4									
					61.4	66.2	54.8									
					60.9	64.3	54.7									
					63.0	68.8	54.5									
					62.6	66.6	54.2									
25/2/2025	Cloudy	Calm	12:57	13:27	61.9	64.9	54.3	61.7	--	61.7	73.3	<Baseline Level	75.0	Construction noise from nearby road works, human activities, dog barks, traffic	Not observed	--
					62.7	65.0	54.5									
					61.2	64.7	54.6									
					62.6	65.6	54.8									
					60.4	65.0	54.5									
					60.6	64.3	54.7									

Ref **Location Name** **Level** **Type of Measurement**
Location N16a Pui O Lo Wai Tsuen G/F Façade

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Limit Level	Noise Sources	Construction Noise	Remarks
					Leq	L10	L90									
7/2/2025	Fine	Calm	17:05	17:35	54.5	58.4	47.1	55.4	--	55.4	76.8	<Baseline Level	75.0	Human activities, traffic, construction noise from other project	Not Observed	--
					54.4	55.9	46.5									
					51.4	54.6	44.3									
					56.5	60.0	44.2									
					56.0	55.4	43.7									
					57.5	59.8	44.4									
15/2/2025	Sunny	Calm	14:13	14:43	47.4	48.3	38.6	54.7	--	54.7	76.8	<Baseline Level	75.0	Human activities, bird, traffic	Sheet piling works	--
					47.3	47.8	40.8									
					58.9	58.8	40.9									
					50.2	52.4	39.7									
					56.6	54.5	40.6									
					55.2	57.2	41.1									
19/2/2025	Sunny	Calm	10:42	11:12	63.3	62.0	44.0	64.1	--	64.1	76.8	<Baseline Level	75.0	Human activities, bird, traffic	Sheet piling works	--
					58.0	56.3	45.2									
					70.4	59.2	42.7									
					59.5	62.2	44.5									
					55.9	59.4	40.7									
					54.5	55.8	44.0									
25/2/2025	Fine	Calm	14:43	15:13	59.6	56.7	43.9	58.5	--	58.5	76.8	<Baseline Level	75.0	Renovation works, human activities, birds, traffic	Drilling and machinery noise	--
					53.0	55.2	44.3									
					60.7	58.6	44.1									
					52.3	52.9	44.3									
					58.0	56.9	44.3									
					60.7	59.9	44.4									

Ref **Location Name** **Level** **Type of Measurement**
Location N16b Residences at Ham Tin G/F Free-Field

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Limit Level	Noise Sources	Construction Noise	Remarks
					Leq	L10	L90									
7/2/2025	Fine	Calm	16:30	17:00	53.9	56.9	48.4	55.2	3.0	58.2	73.3	<Baseline Level	75.0	Bird, human activities, traffic	Not observed	--
					52.0	54.9	46.3									
					54.1	56.5	49.2									
					56.4	60.7	51.0									
					55.2	57.9	50.6									
					57.5	60.9	52.9									
15/2/2025	Fine	Calm	13:37	14:07	54.2	56.8	42.3	51.0	3.0	54.0	73.3	<Baseline Level	75.0	Bird, human activities, traffic	Not observed	--
					49.6	49.9	42.3									
					49.2	49.4	40.9									
					52.4	55.6	44.4									
					50.0	51.7	43.2									
					46.3	49.0	40.8									
19/2/2025	Sunny	Calm	11:19	11:49	48.7	50.9	45.5	51.0	3.0	54.0	73.3	<Baseline Level	75.0	Birds, traffic	Not observed	--
					50.2	52.2	45.3									
					50.2	53.5	44.6									
					51.9	54.0	44.7									
					51.8	53.6	45.0									
					52.2	54.7	45.0									
25/2/2025	Fine	Calm	15:25	15:55	53.4	56.1	46.9	51.2	3.0	54.2	73.3	<Baseline Level	75.0	Bird, human activities, traffic	Not observed	--
					51.8	54.4	47.2									
					51.8	54.8	47.4									
					49.4	51.4	45.0									
					50.4	52.0	44.9									
					48.5	49.5	44.4									

Ref **Location Name** **Level** **Type of Measurement**
Location **N17** **Residences at Ham Tin** **G/F** **Free-Field**

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Limit Level	Noise Sources	Construction Noise	Remarks
					Leg	L10	L90									
7/2/2025	Fine	Calm	14:21	14:51	49.6	50.9	43.7	47.6	3.0	50.6	76.8	<Baseline Level	70.0	bird, traffic, A/C system	Not observed	--
					47.1	49.9	43.1									
					47.8	50.8	42.9									
					46.1	48.4	42.8									
					45.8	48.0	42.9									
					47.9	50.5	42.6									
15/2/2025	Fine	Calm	12:13	12:43	45.7	47.9	39.9	45.2	3.0	48.2	76.8	<Baseline Level	70.0	Dog bark, bird, traffic	Not observed	--
					45.3	47.6	40.3									
					46.2	49.4	41.2									
					43.6	46.5	39.1									
					42.9	45.1	39.0									
					46.5	49.6	40.7									
19/2/2025	Fine	Calm	12:41	13:11	50.7	54.8	44.3	52.3	3.0	55.3	76.8	<Baseline Level	70.0	Human activities, bird, traffic	Road breaking works at junction	--
					48.5	50.8	45.2									
					49.4	50.7	43.7									
					55.5	56.2	42.7									
					52.0	54.5	44.1									
					53.4	56.9	46.6									
25/2/2025	Cloudy	Calm	12:02	12:32	49.2	52.8	42.6	48.4	3.0	51.4	76.8	<Baseline Level	70.0	Human activities, birds, traffic	Not observed	--
					50.5	53.9	42.2									
					45.1	48.1	41.5									
					48.7	50.8	42.6									
					48.7	52.1	42.4									
					45.8	48.3	42.3									