Project: Shuen Wan Golf Course
Title: Predicted Sound Pressure Level

NSR: N1
NAP: N1-01 (Fortune Garden)
Operation for Golf Hole 9

(1) Fixed Plant Equiment (Pumping Stations, Plantroom Exhaust and Proposed Ting Kok Road Sewage Pumping Station No. 5)

Equipment	Max. Allowable SWL, dB(A)	Horizontal Distance, m	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
			Distance	Tonality	Barrier	Façade	% on-time	Fixed Plant Equipment [A]
PLA-01	73	550	-63	3	0	3	0	32
PUM-01	80	750	-66	3	0	3	0	
PUM-02	80	650	-64	3	0	3	0	
PUM-03	80	400	-60	3	0	3	0	
PUM-04	80	400	-60	3	0	3	0	
PLA-02	73	190	-54	3	0	3	0	
TKRSPS No. 5 [1]	76	800	-66	6	0	3	0	
LEAPUM	80	700	-65	3	0	3	0	

Note:
[1] A 6dB(A) tonality correction is adopted for the source "TKRSPS No. 5" in accordance with the approved "*Upgrading of Sewage Pumping Station and Sewerage along Ting Kok Road*" (DIR-257/2017).

(2) Golf Course Machinery - Tractor
The tractor drives up to the southern tip of golf course hole 9, then drop off the aerator/mower after it stops.
Tractor speed is 10km/hr. Divde tractor route into segments and each segment represents the area covered by the tractor in 3.6s.

Equipment	SWL, dB(A)	Horizontal Distance, m	Source Location	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
				Distance	Tonality	Barrier	Façade	% on-time	Tractor [B]
Tractor	100	500	T1	-62	3	0	3	-27	25
		491	T2	-62	3	0	3	-27	
		481	T3	-62	3	0	3	-27	
		473	T4	-61	3	0	3	-27	
		464	T5	-61	3	0	3	-27	
		455	T6	-61	3	0	3	-27	

(3) Golf Course Machinery - Aerator/Mower
Aerator/Mower operates when the tractor has dropped off the aerator/mower.
Aerator/Mower speed is about 3km/hr. Divide aerator/mower route into segments and each segment represents the area covered by the aerator/mower in 30s.
It is assumed that only one golf course machinery would be operated at any time, and the noisier aerator is adopted in the assessment to demonstrate the worst case scenario.

Equipment	SWL, dB(A)	Horizontal Distance, m	Source Location	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
				Distance	Tonality	Barrier	Façade	% on-time	Aerator [C]
Aerator	98	438	AM1	-61	3	0	3	-18	51
		413	AM2	-60	3	0	3	-18	
		384	AM3	-60	3	0	3	-18	
		364	AM4	-59	3	0	3	-18	
		340	AM5	-59	3	0	3	-18	
		313	AM6	-58	3	0	3	-18	
		289	AM7	-57	3	0	3	-18	
		266	AM8	-56	3	0	3	-18	
		242	AM9	-56	3	0	3	-18	
		218	AM10	-55	3	0	3	-18	
		194	AM11	-54	3	0	3	-18	
		170	AM12	-53	3	0	3	-18	
		148	AM13	-51	3	0	3	-18	
		127	AM14	-50	3	0	3	-18	
		111	AM15	-49	3	0	3	-18	
		98	AM16	-48	3	0	3	-18	
		84	AM17	-47	3	0	3	-18	
		79	AM18	-46	3	0	3	-18	
		84	AM19	-47	3	0	3	-18	
		85	AM20	-47	3	0	3	-18	
		80	AM21	-46	3	0	3	-18	
		85	AM22	-47	3	0	3	-18	
		99	AM23	-48	3	0	3	-18	
		112	AM24	-49	3	0	3	-18	
		127	AM25	-50	3	0	3	-18	
		149	AM26	-51	3	0	3	-18	
		170	AM27	-53	3	0	3	-18	
		194	AM28	-54	3	0	3	-18	
		218	AM29	-55	3	0	3	-18	
		242	AM30	-56	3	0	3	-18	
		266	AM31	-56	3	0	3	-18	
		289	AM32	-57	3	0	3	-18	
		314	AM33	-58	3	0	3	-18	
		339	AM34	-59	3	0	3	-18	
		363	AM35	-59	3	0	3	-18	
		383	AM36	-60	3	0	3	-18	
		412	AM37	-60	3	0	3	-18	
		437	AM38	-61	3	0	3	-18	
		456	AM39	-61	3	0	3	-18	
		473	AM40	-61	3	0	3	-18	

Predicted Noise Level, Leq 30min, dB(A)

NAP	Time Period	Predicted Noise Level, Leq 30min, dB(A)	Noise Criteria, dB(A)	Compliance	Remarks
N1-01	Day & Evening	51	45	N	[A]+[B]+[C]
	Night	32	43	Y	[A]

Project: Shuen Wan Golf Course
Title: Predicted Sound Pressure Level

NSR: N1
NAP: N1-01 (Fortune Garden)
Operation for Golf Hole 8

(1) Fixed Plant Equiment (Pumping Stations, Plantroom Exhaust and Proposed Ting Kok Road Sewage Pumping Station No. 5)

Equipment	Max. Allowable SWL, dB(A)	Horizontal Distance, m	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
			Distance	Tonality	Barrier	Façade	% on-time	Fixed Plant Equipment [A]
PLA-01	73	550	-63	3	0	3	0	32
PUM-01	80	750	-66	3	0	3	0	
PUM-02	80	650	-64	3	0	3	0	
PUM-03	80	400	-60	3	0	3	0	
PUM-04	80	400	-60	3	0	3	0	
PLA-02	73	190	-54	3	0	3	0	
TKRSPS No. 5 [1]	76	800	-66	6	0	3	0	
LEAPUM	80	700	-65	3	0	3	0	

Note:
[1] A 6dB(A) tonality correction is adopted for the source "TKRSPS No. 5" in accordance with the approved "*Upgrading of Sewage Pumping Station and Sewerage along Ting Kok Road*" (DIR-257/2017).

(2) Golf Course Machinery - Tractor
The tractor drives up to the southern tip of golf course hole 8, then drop off the aerator/mower after it stops.
Tractor speed is 10km/hr. Divde tractor route into segments and each segment represents the area covered by the tractor in 3.6s.

Equipment	SWL, dB(A)	Horizontal Distance, m	Source Location	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
				Distance	Tonality	Barrier	Façade	% on-time	Tractor [B]
Tractor	100	533	T1	-63	3	0	3	-27	41
		533	T2	-63	3	0	3	-27	
		531	T3	-62	3	0	3	-27	
		526	T4	-62	3	0	3	-27	
		520	T5	-62	3	0	3	-27	
		513	T6	-62	3	0	3	-27	
		507	T7	-62	3	0	3	-27	
		502	T8	-62	3	0	3	-27	
		496	T9	-62	3	0	3	-27	
		491	T10	-62	3	0	3	-27	
		485	T11	-62	3	0	3	-27	
		477	T12	-62	3	0	3	-27	
		467	T13	-61	3	0	3	-27	
		460	T14	-61	3	0	3	-27	
		452	T15	-61	3	0	3	-27	
		444	T16	-61	3	0	3	-27	
		435	T17	-61	3	0	3	-27	
		429	T18	-61	3	0	3	-27	
		423	T19	-61	3	0	3	-27	
		417	T20	-60	3	0	3	-27	
		411	T21	-60	3	0	3	-27	
		405	T22	-60	3	0	3	-27	
		399	T23	-60	3	0	3	-27	
		393	T24	-60	3	0	3	-27	
		386	T25	-60	3	0	3	-27	
		379	T26	-60	3	0	3	-27	
		372	T27	-59	3	0	3	-27	
		367	T28	-59	3	0	3	-27	
		365	T29	-59	3	0	3	-27	
		362	T30	-59	3	0	3	-27	
		358	T31	-59	3	0	3	-27	
		352	T32	-59	3	0	3	-27	
		345	T33	-59	3	0	3	-27	
		339	T34	-59	3	0	3	-27	
		332	T35	-58	3	0	3	-27	
		326	T36	-58	3	0	3	-27	
		321	T37	-58	3	0	3	-27	
		318	T38	-58	3	0	3	-27	
		316	T39	-58	3	0	3	-27	
		313	T40	-58	3	0	3	-27	
		309	T41	-58	3	0	3	-27	
		302	T42	-58	3	0	3	-27	
		296	T43	-57	3	0	3	-27	
		290	T44	-57	3	0	3	-27	
		282	T45	-57	3	0	3	-27	
		272	T46	-57	3	0	3	-27	
		262	T47	-56	3	0	3	-27	
		252	T48	-56	3	0	3	-27	
		244	T49	-56	3	0	3	-27	
		235	T50	-55	3	0	3	-27	
		232	T51	-55	3	0	3	-27	
		236	T52	-55	3	0	3	-27	
		241	T53	-56	3	0	3	-27	
		248	T54	-56	3	0	3	-27	
		254	T55	-56	3	0	3	-27	
		261	T56	-56	3	0	3	-27	
		267	T57	-57	3	0	3	-27	
		271	T58	-57	3	0	3	-27	
		274	T59	-57	3	0	3	-27	
		277	T60	-57	3	0	3	-27	
		276	T61	-57	3	0	3	-27	
		271	T62	-57	3	0	3	-27	
		264	T63	-56	3	0	3	-27	
		256	T64	-56	3	0	3	-27	
		248	T65	-56	3	0	3	-27	
		240	T66	-56	3	0	3	-27	
		231	T67	-55	3	0	3	-27	
		224	T68	-55	3	0	3	-27	
		215	T69	-55	3	0	3	-27	
		207	T70	-54	3	0	3	-27	
		198	T71	-54	3	0	3	-27	
		191	T72	-54	3	0	3	-27	
		184	T73	-53	3	0	3	-27	
		178	T74	-53	3	0	3	-27	
		172	T75	-53	3	0	3	-27	
		166	T76	-52	3	0	3	-27	

(3) Golf Course Machinery - Aerator/Mower
Aerator/Mower operates when the tractor has dropped off the aerator/mower.
Aerator/Mower speed is about 3km/hr. Divide aerator/mower route into segments and each segment represents the area covered by the aerator/mower in 30s.
It is assumed that only one golf course machinery would be operated at any time, and the noisier aerator is adopted in the assessment to demonstrate the worst case scenario.

Equipment	SWL, dB(A)	Horizontal Distance, m	Source Location	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
				Distance	Tonality	Barrier	Façade	% on-time	Aerator [C]
Aerator	98	156	AM1	-52	3	0	3	-18	51
		140	AM2	-51	3	0	3	-18	
		129	AM3	-50	3	0	3	-18	
		125	AM4	-50	3	0	3	-18	
		131	AM5	-50	3	0	3	-18	
		139	AM6	-51	3	0	3	-18	
		147	AM7	-51	3	0	3	-18	
		154	AM8	-52	3	0	3	-18	
		147	AM9	-51	3	0	3	-18	
		140	AM10	-51	3	0	3	-18	
		132	AM11	-50	3	0	3	-18	
		126	AM12	-50	3	0	3	-18	
		130	AM13	-50	3	0	3	-18	
		141	AM14	-51	3	0	3	-18	
		157	AM15	-52	3	0	3	-18	
		158	AM16	-52	3	0	3	-18	
		142	AM17	-51	3	0	3	-18	
		130	AM18	-50	3	0	3	-18	
		127	AM19	-50	3	0	3	-18	
		133	AM20	-50	3	0	3	-18	

Equipment	SWL, dB(A)	Horizontal Distance, m	Source Location	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
				Distance	Tonality	Barrier	Façade	% on-time	Tractor [B]
[illegible]	[illegible]	141	AM21	-51	3	0	3	-18	[illegible]
		148	AM22	-51	3	0	3	-18	
		156	AM23	-52	3	0	3	-18	
		149	AM24	-51	3	0	3	-18	
		142	AM25	-51	3	0	3	-18	
		134	AM26	-51	3	0	3	-18	
		128	AM27	-50	3	0	3	-18	
		131	AM28	-50	3	0	3	-18	
		143	AM29	-51	3	0	3	-18	
		159	AM30	-52	3	0	3	-18	
		159	AM31	-52	3	0	3	-18	
		144	AM32	-51	3	0	3	-18	
		132	AM33	-50	3	0	3	-18	
		129	AM34	-50	3	0	3	-18	
		135	AM35	-51	3	0	3	-18	
		143	AM36	-51	3	0	3	-18	
		150	AM37	-52	3	0	3	-18	
		157	AM38	-52	3	0	3	-18	
		151	AM39	-52	3	0	3	-18	
		144	AM40	-51	3	0	3	-18	

Predicted Noise Level, Leq 30min, dB(A)

NAP	Time Period	Predicted Noise Level, Leq 30min, dB(A)	Noise Criteria, dB(A)	Compliance	Remarks
N1-01	Day & Evening	52	45	N	[A]+[B]+[C]
	Night	32	43	Y	[A]

Project: Shuen Wan Golf Course
Title: Predicted Sound Pressure Level

NSR: N1
NAP: N1-02 (Fortune Garden)
Operation for Golf Hole 9

(1) Fixed Plant Equiment (Pumping Stations, Plantroom Exhaust and Proposed Ting Kok Road Sewage Pumping Station No. 5)

Equipment	Max. Allowable SWL, dB(A)	Horizontal Distance, m	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
			Distance	Tonality	Barrier	Façade	% on-time	Fixed Plant Equipment [A]
PLA-01	73	600	-64	3	0	3	0	32
PUM-01	80	700	-65	3	0	3	0	
PUM-02	80	700	-65	3	0	3	0	
PUM-03	80	500	-62	3	0	3	0	
PUM-04	80	350	-59	3	0	3	0	
PLA-02	73	250	-56	3	0	3	0	
TKRSPS No. 5 [1]	76	750	-66	6	0	3	0	
LEAPUM	80	750	-66	3	0	3	0	

Note:
[1] A 6dB(A) tonality correction is adopted for the source "TKRSPS No. 5" in accordance with the approved "*Upgrading of Sewage Pumping Station and Sewerage along Ting Kok Road*" (DIR-257/2017).

(2) Golf Course Machinery - Tractor
The tractor drives up to the southern tip of golf course hole 9, then drop off the aerator/mower after it stops.
Tractor speed is 10km/hr. Divde tractor route into segments and each segment represents the area covered by the tractor in 3.6s.

Equipment	SWL, dB(A)	Horizontal Distance, m	Source Location	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
				Distance	Tonality	Barrier	Façade	% on-time	Tractor [B]
Tractor	100	564	T1	-63	3	0	3	-27	24
		556	T2	-63	3	0	3	-27	
		547	T3	-63	3	0	3	-27	
		539	T4	-63	3	0	3	-27	
		530	T5	-62	3	0	3	-27	
		522	T6	-62	3	0	3	-27	

(3) Golf Course Machinery - Aerator/Mower
Aerator/Mower operates when the tractor has dropped off the aerator/mower.
Aerator/Mower speed is about 3km/hr. Divide aerator/mower route into segments and each segment represents the area covered by the aerator/mower in 30s.
It is assumed that only one golf course machinery would be operated at any time, and the noisier aerator is adopted in the assessment to demonstrate the worst case scenario.

Equipment	SWL, dB(A)	Horizontal Distance, m	Source Location	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
				Distance	Tonality	Barrier	Façade	% on-time	Aerator [C]
Aerator	98	505	AM1	-62	3	0	3	-18	49
		481	AM2	-62	3	0	3	-18	
		455	AM3	-61	3	0	3	-18	
		431	AM4	-61	3	0	3	-18	
		406	AM5	-60	3	0	3	-18	
		379	AM6	-60	3	0	3	-18	
		355	AM7	-59	3	0	3	-18	
		328	AM8	-58	3	0	3	-18	
		304	AM9	-58	3	0	3	-18	
		280	AM10	-57	3	0	3	-18	
		255	AM11	-56	3	0	3	-18	
		231	AM12	-55	3	0	3	-18	
		208	AM13	-54	3	0	3	-18	
		182	AM14	-53	3	0	3	-18	
		162	AM15	-52	3	0	3	-18	
		140	AM16	-51	3	0	3	-18	
		117	AM17	-49	3	0	3	-18	
		95	AM18	-48	3	0	3	-18	
		77	AM19	-46	3	0	3	-18	
		77	AM20	-46	3	0	3	-18	
		95	AM21	-48	3	0	3	-18	
		117	AM22	-49	3	0	3	-18	
		141	AM23	-51	3	0	3	-18	
		163	AM24	-52	3	0	3	-18	
		183	AM25	-53	3	0	3	-18	
		208	AM26	-54	3	0	3	-18	
		231	AM27	-55	3	0	3	-18	
		256	AM28	-56	3	0	3	-18	
		280	AM29	-57	3	0	3	-18	
		304	AM30	-58	3	0	3	-18	
		328	AM31	-58	3	0	3	-18	
		354	AM32	-59	3	0	3	-18	
		379	AM33	-60	3	0	3	-18	
		405	AM34	-60	3	0	3	-18	
		430	AM35	-61	3	0	3	-18	
		454	AM36	-61	3	0	3	-18	
		480	AM37	-62	3	0	3	-18	
		504	AM38	-62	3	0	3	-18	
		521	AM39	-62	3	0	3	-18	
		537	AM40	-63	3	0	3	-18	

Predicted Noise Level, Leq 30min, dB(A)

NAP	Time Period	Predicted Noise Level, Leq 30min, dB(A)	Noise Criteria, dB(A)	Compliance	Remarks
N1-02	Day & Evening	49	45	N	[A]+[B]+[C]
	Night	32	43	Y	[A]

Project: Shuen Wan Golf Course
Title: Predicted Sound Pressure Level

NSR: N1
NAP: N1-02 (Fortune Garden)
Operation for Golf Hole 8

(1) Fixed Plant Equiment (Pumping Stations, Plantroom Exhaust and Proposed Ting Kok Road Sewage Pumping Station No. 5)

Equipment	Max. Allowable SWL, dB(A)	Horizontal Distance, m	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
			Distance	Tonality	Barrier	Façade	% on-time	Fixed Plant Equipment [A]
PLA-01	73	600	-64	3	0	3	0	32
PUM-01	80	700	-65	3	0	3	0	
PUM-02	80	700	-65	3	0	3	0	
PUM-03	80	500	-62	3	0	3	0	
PUM-04	80	350	-59	3	0	3	0	
PLA-02	73	250	-56	3	0	3	0	
TKRSPS No. 5 [1]	76	750	-66	6	0	3	0	
LEAPUM	80	750	-66	3	0	3	0	

Note:
[1] A 6dB(A) tonality correction is adopted for the source "TKRSPS No. 5" in accordance with the approved "*Upgrading of Sewage Pumping Station and Sewerage along Ting Kok Road*" (DIR-257/2017).

(2) Golf Course Machinery - Tractor
The tractor drives up to the southern tip of golf course hole 8, then drop off the aerator/mower after it stops.
Tractor speed is 10km/hr. Divde tractor route into segments and each segment represents the area covered by the tractor in 3.6s.

Equipment	SWL, dB(A)	Horizontal Distance, m	Source Location	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
				Distance	Tonality	Barrier	Façade	% on-time	Tractor [B]
Tractor	100	533	T1	-63	3	0	3	-27	41
		533	T2	-63	3	0	3	-27	
		531	T3	-62	3	0	3	-27	
		526	T4	-62	3	0	3	-27	
		520	T5	-62	3	0	3	-27	
		513	T6	-62	3	0	3	-27	
		507	T7	-62	3	0	3	-27	
		502	T8	-62	3	0	3	-27	
		496	T9	-62	3	0	3	-27	
		491	T10	-62	3	0	3	-27	
		485	T11	-62	3	0	3	-27	
		477	T12	-62	3	0	3	-27	
		467	T13	-61	3	0	3	-27	
		460	T14	-61	3	0	3	-27	
		452	T15	-61	3	0	3	-27	
		444	T16	-61	3	0	3	-27	
		435	T17	-61	3	0	3	-27	
		429	T18	-61	3	0	3	-27	
		423	T19	-61	3	0	3	-27	
		417	T20	-60	3	0	3	-27	
		411	T21	-60	3	0	3	-27	
		405	T22	-60	3	0	3	-27	
		399	T23	-60	3	0	3	-27	
		393	T24	-60	3	0	3	-27	
		386	T25	-60	3	0	3	-27	
		379	T26	-60	3	0	3	-27	
		372	T27	-59	3	0	3	-27	
		367	T28	-59	3	0	3	-27	
		365	T29	-59	3	0	3	-27	
		362	T30	-59	3	0	3	-27	
		358	T31	-59	3	0	3	-27	
		352	T32	-59	3	0	3	-27	
		345	T33	-59	3	0	3	-27	
		339	T34	-59	3	0	3	-27	
		332	T35	-58	3	0	3	-27	
		326	T36	-58	3	0	3	-27	
		321	T37	-58	3	0	3	-27	
		318	T38	-58	3	0	3	-27	
		316	T39	-58	3	0	3	-27	
		313	T40	-58	3	0	3	-27	
		309	T41	-58	3	0	3	-27	
		302	T42	-58	3	0	3	-27	
		296	T43	-57	3	0	3	-27	
		290	T44	-57	3	0	3	-27	
		282	T45	-57	3	0	3	-27	
		272	T46	-57	3	0	3	-27	
		262	T47	-56	3	0	3	-27	
		252	T48	-56	3	0	3	-27	
		244	T49	-56	3	0	3	-27	
		235	T50	-55	3	0	3	-27	
		232	T51	-55	3	0	3	-27	
		236	T52	-55	3	0	3	-27	
		241	T53	-56	3	0	3	-27	
		248	T54	-56	3	0	3	-27	
		254	T55	-56	3	0	3	-27	
		261	T56	-56	3	0	3	-27	
		267	T57	-57	3	0	3	-27	
		271	T58	-57	3	0	3	-27	
		274	T59	-57	3	0	3	-27	
		277	T60	-57	3	0	3	-27	
		276	T61	-57	3	0	3	-27	
		271	T62	-57	3	0	3	-27	
		264	T63	-56	3	0	3	-27	
		256	T64	-56	3	0	3	-27	
		248	T65	-56	3	0	3	-27	
		240	T66	-56	3	0	3	-27	
		231	T67	-55	3	0	3	-27	
		224	T68	-55	3	0	3	-27	
		215	T69	-55	3	0	3	-27	
		207	T70	-54	3	0	3	-27	
		198	T71	-54	3	0	3	-27	
		191	T72	-54	3	0	3	-27	
		184	T73	-53	3	0	3	-27	
		178	T74	-53	3	0	3	-27	
		172	T75	-53	3	0	3	-27	
		166	T76	-52	3	0	3	-27	

(3) Golf Course Machinery - Aerator/Mower
Aerator/Mower operates when the tractor has dropped off the aerator/mower.
Aerator/Mower speed is about 3km/hr. Divide aerator/mower route into segments and each segment represents the area covered by the aerator/mower in 30s.
It is assumed that only one golf course machinery would be operated at any time, and the noisier aerator is adopted in the assessment to demonstrate the worst case scenario.

Equipment	SWL, dB(A)	Horizontal Distance, m	Source Location	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
				Distance	Tonality	Barrier	Façade	% on-time	Aerator [C]
Aerator	98	156	AM1	-52	3	0	3	-18	51
		140	AM2	-51	3	0	3	-18	
		129	AM3	-50	3	0	3	-18	
		125	AM4	-50	3	0	3	-18	
		131	AM5	-50	3	0	3	-18	
		139	AM6	-51	3	0	3	-18	
		147	AM7	-51	3	0	3	-18	
		154	AM8	-52	3	0	3	-18	
		147	AM9	-51	3	0	3	-18	
		140	AM10	-51	3	0	3	-18	
		132	AM11	-50	3	0	3	-18	
		126	AM12	-50	3	0	3	-18	
		130	AM13	-50	3	0	3	-18	
		141	AM14	-51	3	0	3	-18	
		157	AM15	-52	3	0	3	-18	
		158	AM16	-52	3	0	3	-18	
		142	AM17	-51	3	0	3	-18	
		130	AM18	-50	3	0	3	-18	
		127	AM19	-50	3	0	3	-18	
		133	AM20	-50	3	0	3	-18	

Equipment	SWL, dB(A)	Horizontal Distance, m	Source Location	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
				Distance	Tonality	Barrier	Façade	% on-time	Tractor [B]
		141	AM21	-51	3	0	3	-18	
		148	AM22	-51	3	0	3	-18	
		156	AM23	-52	3	0	3	-18	
		149	AM24	-51	3	0	3	-18	
		142	AM25	-51	3	0	3	-18	
		134	AM26	-51	3	0	3	-18	
		128	AM27	-50	3	0	3	-18	
		131	AM28	-50	3	0	3	-18	
		143	AM29	-51	3	0	3	-18	
		159	AM30	-52	3	0	3	-18	
		159	AM31	-52	3	0	3	-18	
		144	AM32	-51	3	0	3	-18	
		132	AM33	-50	3	0	3	-18	
		129	AM34	-50	3	0	3	-18	
		135	AM35	-51	3	0	3	-18	
		143	AM36	-51	3	0	3	-18	
		150	AM37	-52	3	0	3	-18	
		157	AM38	-52	3	0	3	-18	
		151	AM39	-52	3	0	3	-18	
		144	AM40	-51	3	0	3	-18	

Predicted Noise Level, Leq 30min, dB(A)

NAP	Time Period	Predicted Noise Level, Leq 30min, dB(A)	Noise Criteria, dB(A)	Compliance	Remarks
N1-02	Day & Evening	52	45	N	[A]+[B]+[C]
	Night	32	43	Y	[A]

Project: Shuen Wan Golf Course
Title: Predicted Sound Pressure Level

NSR: N1
NAP: N1-03 (Fortune Garden)
Operation for Golf Hole 9

(1) Fixed Plant Equiment (Pumping Stations, Plantroom Exhaust and Proposed Ting Kok Road Sewage Pumping Station No. 5)

Equipment	Max. Allowable SWL, dB(A)	Horizontal Distance, m	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
			Distance	Tonality	Barrier	Façade	% on-time	Fixed Plant Equipment [A]
PLA-01	73	500	-62	3	0	3	0	34
PUM-01	80	800	-66	3	0	3	0	
PUM-02	80	650	-64	3	0	3	0	
PUM-03	80	350	-59	3	0	3	0	
PUM-04	80	350	-59	3	0	3	0	
PLA-02	73	100	-48	3	0	3	0	
TKRSPS No. 5 [1]	76	850	-67	6	0	3	0	
LEAPUM	80	650	-64	3	0	3	0	

Note:
[1] A 6dB(A) tonality correction is adopted for the source "TKRSPS No. 5" in accordance with the approved "*Upgrading of Sewage Pumping Station and Sewerage along Ting Kok Road*" (DIR-257/2017).

(2) Golf Course Machinery - Tractor
The tractor drives up to the southern tip of golf course hole 9, then drop off the aerator/mower after it stops.
Tractor speed is 10km/hr. Divide tractor route into segments and each segment represents the area covered by the tractor in 3.6s.

Equipment	SWL, dB(A)	Horizontal Distance, m	Source Location	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
				Distance	Tonality	Barrier	Façade	% on-time	Tractor [B]
Tractor	100	451	T1	-61	3	0	3	-27	26
		442	T2	-61	3	0	3	-27	
		432	T3	-61	3	0	3	-27	
		423	T4	-61	3	0	3	-27	
		414	T5	-60	3	0	3	-27	
		405	T6	-60	3	0	3	-27	

(3) Golf Course Machinery - Aerator/Mower
Aerator/Mower operates when the tractor has dropped off the aerator/mower.
Aerator/Mower speed is about 3km/hr. Divide aerator/mower route into segments and each segment represents the area covered by the aerator/mower in 30s.
It is assumed that only one golf course machinery would be operated at any time, and the noisier aerator is adopted in the assessment to demonstrate the worst case scenario.

Equipment	SWL, dB(A)	Horizontal Distance, m	Source Location	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
				Distance	Tonality	Barrier	Façade	% on-time	Aerator [C]
Aerator	98	387	AM1	-60	3	0	3	-18	51
		357	AM2	-59	3	0	3	-18	
		337	AM3	-59	3	0	3	-18	
		314	AM4	-58	3	0	3	-18	
		291	AM5	-57	3	0	3	-18	
		267	AM6	-57	3	0	3	-18	
		242	AM7	-56	3	0	3	-18	
		219	AM8	-55	3	0	3	-18	
		196	AM9	-54	3	0	3	-18	
		174	AM10	-53	3	0	3	-18	
		153	AM11	-52	3	0	3	-18	
		133	AM12	-50	3	0	3	-18	
		117	AM13	-49	3	0	3	-18	
		103	AM14	-48	3	0	3	-18	
		99	AM15	-48	3	0	3	-18	
		101	AM16	-48	3	0	3	-18	
		103	AM17	-48	3	0	3	-18	
		113	AM18	-49	3	0	3	-18	
		129	AM19	-50	3	0	3	-18	
		130	AM20	-50	3	0	3	-18	
		113	AM21	-49	3	0	3	-18	
		104	AM22	-48	3	0	3	-18	
		102	AM23	-48	3	0	3	-18	
		100	AM24	-48	3	0	3	-18	
		104	AM25	-48	3	0	3	-18	
		117	AM26	-49	3	0	3	-18	
		133	AM27	-51	3	0	3	-18	
		153	AM28	-52	3	0	3	-18	
		174	AM29	-53	3	0	3	-18	
		197	AM30	-54	3	0	3	-18	
		219	AM31	-55	3	0	3	-18	
		243	AM32	-56	3	0	3	-18	
		267	AM33	-57	3	0	3	-18	
		290	AM34	-57	3	0	3	-18	
		313	AM35	-58	3	0	3	-18	
		336	AM36	-59	3	0	3	-18	
		257	AM37	-56	3	0	3	-18	
		386	AM38	-60	3	0	3	-18	
		406	AM39	-60	3	0	3	-18	
		424	AM40	-61	3	0	3	-18	

Predicted Noise Level, Leq 30min, dB(A)

NAP	Time Period	Predicted Noise Level, Leq 30min, dB(A)	Noise Criteria, dB(A)	Compliance	Remarks
N1-03	Day & Evening	51	45	N	[A]+[B]+[C]
	Night	34	43	Y	[A]

Project: Shuen Wan Golf Course
Title: Predicted Sound Pressure Level

NSR: N1
NAP: N1-03 (Fortune Garden)
Operation for Golf Hole 8

(1) Fixed Plant Equiment (Pumping Stations, Plantroom Exhaust and Proposed Ting Kok Road Sewage Pumping Station No. 5)

Equipment	Max. Allowable SWL, dB(A)	Horizontal Distance, m	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
			Distance	Tonality	Barrier	Façade	% on-time	Fixed Plant Equipment [A]
PLA-01	73	500	-62	3	0	3	0	34
PUM-01	80	800	-66	3	0	3	0	
PUM-02	80	650	-64	3	0	3	0	
PUM-03	80	350	-59	3	0	3	0	
PUM-04	80	350	-59	3	0	3	0	
PLA-02	73	100	-48	3	0	3	0	
TKRSPS No. 5 [1]	76	850	-67	6	0	3	0	
LEAPUM	80	650	-64	3	0	3	0	

Note:
[1] A 6dB(A) tonality correction is adopted for the source "TKRSPS No. 5" in accordance with the approved "*Upgrading of Sewage Pumping Station and Sewerage along Ting Kok Road*" (DIR-257/2017).

(2) Golf Course Machinery - Tractor
The tractor drives up to the southern tip of golf course hole 8, then drop off the aerator/mower after it stops.
Tractor speed is 10km/hr. Divide tractor route into segments and each segment represents the area covered by the tractor in 3.6s.

Equipment	SWL, dB(A)	Horizontal Distance, m	Source Location	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
				Distance	Tonality	Barrier	Façade	% on-time	Tractor [B]
Tractor	100	486	T1	-62	3	0	3	-27	41
		487	T2	-62	3	0	3	-27	
		486	T3	-62	3	0	3	-27	
		482	T4	-62	3	0	3	-27	
		476	T5	-62	3	0	3	-27	
		471	T6	-61	3	0	3	-27	
		466	T7	-61	3	0	3	-27	
		461	T8	-61	3	0	3	-27	
		456	T9	-61	3	0	3	-27	
		452	T10	-61	3	0	3	-27	
		447	T11	-61	3	0	3	-27	
		439	T12	-61	3	0	3	-27	
		430	T13	-61	3	0	3	-27	
		423	T14	-61	3	0	3	-27	
		417	T15	-60	3	0	3	-27	
		409	T16	-60	3	0	3	-27	
		401	T17	-60	3	0	3	-27	
		395	T18	-60	3	0	3	-27	
		390	T19	-60	3	0	3	-27	
		385	T20	-60	3	0	3	-27	
		381	T21	-60	3	0	3	-27	
		376	T22	-60	3	0	3	-27	
		371	T23	-59	3	0	3	-27	
		366	T24	-59	3	0	3	-27	
		361	T25	-59	3	0	3	-27	
		355	T26	-59	3	0	3	-27	
		349	T27	-59	3	0	3	-27	
		346	T28	-59	3	0	3	-27	
		345	T29	-59	3	0	3	-27	
		344	T30	-59	3	0	3	-27	
		341	T31	-59	3	0	3	-27	
		337	T32	-59	3	0	3	-27	
		332	T33	-58	3	0	3	-27	
		327	T34	-58	3	0	3	-27	
		322	T35	-58	3	0	3	-27	
		317	T36	-58	3	0	3	-27	
		314	T37	-58	3	0	3	-27	
		313	T38	-58	3	0	3	-27	
		312	T39	-58	3	0	3	-27	
		312	T40	-58	3	0	3	-27	
		309	T41	-58	3	0	3	-27	
		305	T42	-58	3	0	3	-27	
		300	T43	-58	3	0	3	-27	
		296	T44	-57	3	0	3	-27	
		288	T45	-57	3	0	3	-27	
		278	T46	-57	3	0	3	-27	
		269	T47	-57	3	0	3	-27	
		252	T48	-56	3	0	3	-27	
		249	T49	-56	3	0	3	-27	
		239	T50	-56	3	0	3	-27	
		237	T51	-55	3	0	3	-27	
		238	T52	-56	3	0	3	-27	
		241	T53	-56	3	0	3	-27	
		245	T54	-56	3	0	3	-27	
		250	T55	-56	3	0	3	-27	
		254	T56	-56	3	0	3	-27	
		258	T57	-56	3	0	3	-27	
		260	T58	-56	3	0	3	-27	
		260	T59	-56	3	0	3	-27	
		261	T60	-56	3	0	3	-27	
		259	T61	-56	3	0	3	-27	
		252	T62	-56	3	0	3	-27	
		243	T63	-56	3	0	3	-27	
		233	T64	-55	3	0	3	-27	
		224	T65	-55	3	0	3	-27	
		215	T66	-55	3	0	3	-27	
		205	T67	-54	3	0	3	-27	
		199	T68	-54	3	0	3	-27	
		192	T69	-54	3	0	3	-27	
		186	T70	-53	3	0	3	-27	
		180	T71	-53	3	0	3	-27	
		175	T72	-53	3	0	3	-27	
		171	T73	-53	3	0	3	-27	
		168	T74	-52	3	0	3	-27	
		165	T75	-52	3	0	3	-27	
		162	T76	-52	3	0	3	-27	

(3) Golf Course Machinery - Aerator/Mower
Aerator/Mower operates when the tractor has dropped off the aerator/mower.
Aerator/Mower speed is about 3km/hr. Divide aerator/mower route into segments and each segment represents the area covered by the aerator/mower in 30s.
It is assumed that only one golf course machinery would be operated at any time, and the noisier aerator is adopted in the assessment to demonstrate the worst case scenario.

Equipment	SWL, dB(A)	Horizontal Distance, m	Source Location	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
				Distance	Tonality	Barrier	Façade	% on-time	Aerator [C]
Aerator	98	209	AM1	-54	3	0	3	-18	50
		190	AM2	-54	3	0	3	-18	
		172	AM3	-53	3	0	3	-18	
		161	AM4	-52	3	0	3	-18	
		157	AM5	-52	3	0	3	-18	
		155	AM6	-52	3	0	3	-18	
		152	AM7	-52	3	0	3	-18	
		153	AM8	-52	3	0	3	-18	
		153	AM9	-52	3	0	3	-18	
		156	AM10	-52	3	0	3	-18	
		158	AM11	-52	3	0	3	-18	
		162	AM12	-52	3	0	3	-18	
		173	AM13	-53	3	0	3	-18	
		190	AM14	-54	3	0	3	-18	
		210	AM15	-54	3	0	3	-18	
		210	AM16	-54	3	0	3	-18	
		191	AM17	-54	3	0	3	-18	
		174	AM18	-53	3	0	3	-18	
		163	AM19	-52	3	0	3	-18	
		159	AM20	-52	3	0	3	-18	

Equipment	SWL, dB(A)	Horizontal Distance, m	Source Location	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
				Distance	Tonality	Barrier	Façade	% on-time	Tractor [B]
[illegible]	[illegible]	157	AM21	-52	3	0	3	-18	[illegible]
		154	AM22	-52	3	0	3	-18	
		155	AM23	-52	3	0	3	-18	
		155	AM24	-52	3	0	3	-18	
		158	AM25	-52	3	0	3	-18	
		160	AM26	-52	3	0	3	-18	
		163	AM27	-52	3	0	3	-18	
		175	AM28	-53	3	0	3	-18	
		192	AM29	-54	3	0	3	-18	
		211	AM30	-54	3	0	3	-18	
		212	AM31	-55	3	0	3	-18	
		192	AM32	-54	3	0	3	-18	
		175	AM33	-53	3	0	3	-18	
		164	AM34	-52	3	0	3	-18	
		161	AM35	-52	3	0	3	-18	
		159	AM36	-52	3	0	3	-18	
		156	AM37	-52	3	0	3	-18	
		157	AM38	-52	3	0	3	-18	
		157	AM39	-52	3	0	3	-18	
		160	AM40	-52	3	0	3	-18	

Predicted Noise Level, Leq 30min, dB(A)

NAP	Time Period	Predicted Noise Level, Leq 30min, dB(A)	Noise Criteria, dB(A)	Compliance	Remarks
N1-03	Day & Evening	50	45	N	[A]+[B]+[C]
	Night	34	43	Y	[A]

Project: Shuen Wan Golf Course
Title: Predicted Sound Pressure Level

NSR: N2
NAP: N2-01 (Village House at 53 Ting Kok Road)
Operation for Golf Hole 4

(1) Fixed Plant Equipment (Pumping Stations, Plantroom Exhaust and Proposed Ting Kok Road Sewage Pumping Station No. 5)

Equipment	Max. Allowable SWL, dB(A)	Horizontal Distance, m	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
			Distance	Tonality	Barrier	Façade	% on-time	Fixed Plant Equipment [A]
PLA-01	73	600	-64	3	0	3	0	31
PUM-01	80	700	-65	3	0	3	0	
PUM-02	80	700	-65	3	0	3	0	
PUM-03	80	500	-62	3	0	3	0	
PUM-04	80	350	-59	3	0	3	0	
PLA-02	73	250	-56	3	0	3	0	
TKRSPS No. 5 [1]	76	750	-66	6	0	3	0	
LEAPUM	80	1200	-70	3	0	3	0	

Note:
[1] A 6dB(A) tonality correction is adopted for the source "TKRSPS No. 5" in accordance with the approved "*Upgrading of Sewage Pumping Station and Sewerage along Ting Kok Road*" (DIR-257/2017).

(2) Golf Course Machinery - Tractor
The tractor drives up to the boundary of golf course hole 4, then drop off the aerator/mower after it stops.
Tractor speed is 10km/hr. Divde tractor route into segments and each segment represents the area covered by the tractor in 3.6s.

Equipment	SWL, dB(A)	Horizontal Distance, m	Source Location	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
				Distance	Tonality	Barrier	Façade	% on-time	Tractor [B]
Tractor	100	1151	T1	-69	3	0	3	-27	41
		1151	T2	-69	3	0	3	-27	
		1152	T3	-69	3	0	3	-27	
		1154	T4	-69	3	0	3	-27	
		1156	T5	-69	3	0	3	-27	
		1160	T6	-69	3	0	3	-27	
		1166	T7	-69	3	0	3	-27	
		1172	T8	-69	3	0	3	-27	
		1179	T9	-69	3	0	3	-27	
		1184	T10	-69	3	0	3	-27	
		1187	T11	-69	3	0	3	-27	
		1190	T12	-70	3	0	3	-27	
		1192	T13	-70	3	0	3	-27	
		1193	T14	-70	3	0	3	-27	
		1193	T15	-70	3	0	3	-27	
		1188	T16	-69	3	0	3	-27	
		1180	T17	-69	3	0	3	-27	
		1172	T18	-69	3	0	3	-27	
		1163	T19	-69	3	0	3	-27	
		1155	T20	-69	3	0	3	-27	
		1147	T21	-69	3	0	3	-27	
		1139	T22	-69	3	0	3	-27	
		1132	T23	-69	3	0	3	-27	
		1125	T24	-69	3	0	3	-27	
		1118	T25	-69	3	0	3	-27	
		1111	T26	-69	3	0	3	-27	
		1103	T27	-69	3	0	3	-27	
		1092	T28	-69	3	0	3	-27	
		1082	T29	-69	3	0	3	-27	
		1072	T30	-69	3	0	3	-27	
		1062	T31	-69	3	0	3	-27	
		1052	T32	-68	3	0	3	-27	
		1042	T33	-68	3	0	3	-27	
		1032	T34	-68	3	0	3	-27	
		1022	T35	-68	3	0	3	-27	
		1012	T36	-68	3	0	3	-27	
		1002	T37	-68	3	0	3	-27	
		992	T38	-68	3	0	3	-27	
		983	T39	-68	3	0	3	-27	
		973	T40	-68	3	0	3	-27	
		963	T41	-68	3	0	3	-27	
		953	T42	-68	3	0	3	-27	
		943	T43	-67	3	0	3	-27	
		933	T44	-67	3	0	3	-27	
		923	T45	-67	3	0	3	-27	
		913	T46	-67	3	0	3	-27	
		903	T47	-67	3	0	3	-27	
		893	T48	-67	3	0	3	-27	
		883	T49	-67	3	0	3	-27	
		873	T50	-67	3	0	3	-27	
		863	T51	-67	3	0	3	-27	
		853	T52	-67	3	0	3	-27	
		843	T53	-67	3	0	3	-27	
		833	T54	-66	3	0	3	-27	
		823	T55	-66	3	0	3	-27	
		815	T56	-66	3	0	3	-27	
		806	T57	-66	3	0	3	-27	
		797	T58	-66	3	0	3	-27	
		790	T59	-66	3	0	3	-27	
		783	T60	-66	3	0	3	-27	
		774	T61	-66	3	0	3	-27	
		766	T62	-66	3	0	3	-27	
		756	T63	-66	3	0	3	-27	
		747	T64	-65	3	0	3	-27	
		737	T65	-65	3	0	3	-27	
		728	T66	-65	3	0	3	-27	
		719	T67	-65	3	0	3	-27	
		710	T68	-65	3	0	3	-27	
		702	T69	-65	3	0	3	-27	
		695	T70	-65	3	0	3	-27	
		687	T71	-65	3	0	3	-27	
		680	T72	-65	3	0	3	-27	
		672	T73	-65	3	0	3	-27	
		664	T74	-64	3	0	3	-27	
		654	T75	-64	3	0	3	-27	
		644	T76	-64	3	0	3	-27	
		635	T77	-64	3	0	3	-27	
		626	T78	-64	3	0	3	-27	
		617	T79	-64	3	0	3	-27	
		609	T80	-64	3	0	3	-27	
		601	T81	-64	3	0	3	-27	
		594	T82	-63	3	0	3	-27	
		586	T83	-63	3	0	3	-27	
		579	T84	-63	3	0	3	-27	
		570	T85	-63	3	0	3	-27	
		562	T86	-63	3	0	3	-27	
		551	T87	-63	3	0	3	-27	
		543	T88	-63	3	0	3	-27	
		534	T89	-63	3	0	3	-27	
		528	T90	-62	3	0	3	-27	
		522	T91	-62	3	0	3	-27	
		517	T92	-62	3	0	3	-27	
		512	T93	-62	3	0	3	-27	
		507	T94	-62	3	0	3	-27	
		501	T95	-62	3	0	3	-27	
		494	T96	-62	3	0	3	-27	
		487	T97	-62	3	0	3	-27	
		479	T98	-62	3	0	3	-27	
		470	T99	-61	3	0	3	-27	
		463	T100	-61	3	0	3	-27	
		456	T101	-61	3	0	3	-27	
		450	T102	-61	3	0	3	-27	
		445	T103	-61	3	0	3	-27	
		439	T104	-61	3	0	3	-27	

Equipment	SWL, dB(A)	Horizontal Distance, m	Source Location	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
				Distance	Tonality	Barrier	Façade	% on-time	Tractor [B]
		434	T105	-61	3	0	3	-27	
		429	T106	-61	3	0	3	-27	
		424	T107	-61	3	0	3	-27	
		419	T108	-60	3	0	3	-27	
		413	T109	-60	3	0	3	-27	
		408	T110	-60	3	0	3	-27	
		402	T111	-60	3	0	3	-27	
		396	T112	-60	3	0	3	-27	
		390	T113	-60	3	0	3	-27	
		385	T114	-60	3	0	3	-27	
		380	T115	-60	3	0	3	-27	
		377	T116	-60	3	0	3	-27	
		374	T117	-59	3	0	3	-27	
		373	T118	-59	3	0	3	-27	
		371	T119	-59	3	0	3	-27	
		367	T120	-59	3	0	3	-27	
		362	T121	-59	3	0	3	-27	
		353	T122	-59	3	0	3	-27	
		342	T123	-59	3	0	3	-27	
		333	T124	-58	3	0	3	-27	
		323	T125	-58	3	0	3	-27	
		314	T126	-58	3	0	3	-27	
		305	T127	-58	3	0	3	-27	
		294	T128	-57	3	0	3	-27	
		285	T129	-57	3	0	3	-27	
		275	T130	-57	3	0	3	-27	
		267	T131	-57	3	0	3	-27	
		257	T132	-56	3	0	3	-27	
		247	T133	-56	3	0	3	-27	
		237	T134	-55	3	0	3	-27	
		227	T135	-55	3	0	3	-27	
		217	T136	-55	3	0	3	-27	
		207	T137	-54	3	0	3	-27	
		197	T138	-54	3	0	3	-27	
		188	T139	-53	3	0	3	-27	
		181	T140	-53	3	0	3	-27	
		174	T141	-53	3	0	3	-27	
		170	T142	-53	3	0	3	-27	
		166	T143	-52	3	0	3	-27	
		164	T144	-52	3	0	3	-27	
		162	T145	-52	3	0	3	-27	
		162	T146	-52	3	0	3	-27	
		163	T147	-52	3	0	3	-27	
		166	T148	-52	3	0	3	-27	

(3) Golf Course Machinery - Aerator/Mower
Aerator/Mower operates when the tractor has dropped off the aerator/mower.
Aerator/Mower speed is about 3km/hr. Divide aerator/mower route into segments and each segment represents the area covered by the aerator/mower in 30s.
It is assumed that only one golf course machinery would be operated at any time, and the noisier aerator is adopted in the assessment to demonstrate the worst case scenario.

Equipment	SWL, dB(A)	Horizontal Distance, m	Source Location	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
				Distance	Tonality	Barrier	Façade	% on-time	Aerator [C]
		158	AM1	-52	3	0	3	-18	
		181	AM2	-53	3	0	3	-18	
		206	AM3	-54	3	0	3	-18	
		228	AM4	-55	3	0	3	-18	
		250	AM5	-56	3	0	3	-18	
		273	AM6	-57	3	0	3	-18	
		296	AM7	-57	3	0	3	-18	
		317	AM8	-58	3	0	3	-18	
		341	AM9	-59	3	0	3	-18	
		369	AM10	-59	3	0	3	-18	
		394	AM11	-60	3	0	3	-18	
		416	AM12	-60	3	0	3	-18	
		445	AM13	-61	3	0	3	-18	
		466	AM14	-61	3	0	3	-18	
		465	AM15	-61	3	0	3	-18	
		443	AM16	-61	3	0	3	-18	
		415	AM17	-60	3	0	3	-18	
		392	AM18	-60	3	0	3	-18	
		368	AM19	-59	3	0	3	-18	
Aerator	98	340	AM20	-59	3	0	3	-18	46
		316	AM21	-58	3	0	3	-18	
		295	AM22	-57	3	0	3	-18	
		272	AM23	-57	3	0	3	-18	
		249	AM24	-56	3	0	3	-18	
		227	AM25	-55	3	0	3	-18	
		205	AM26	-54	3	0	3	-18	
		179	AM27	-53	3	0	3	-18	
		157	AM28	-52	3	0	3	-18	
		158	AM29	-52	3	0	3	-18	
		180	AM30	-53	3	0	3	-18	
		206	AM31	-54	3	0	3	-18	
		227	AM32	-55	3	0	3	-18	
		250	AM33	-56	3	0	3	-18	
		272	AM34	-57	3	0	3	-18	
		295	AM35	-57	3	0	3	-18	
		317	AM36	-58	3	0	3	-18	
		341	AM37	-59	3	0	3	-18	
		368	AM38	-59	3	0	3	-18	
		393	AM39	-60	3	0	3	-18	
		415	AM40	-60	3	0	3	-18	

Predicted Noise Level, Leq 30min, dB(A)

NAP	Time Period	Predicted Noise Level, Leq 30min, dB(A)	Noise Criteria, dB(A)	Compliance	Remarks
N2-01	Day & Evening	47	65	Y	[A]+[B]+[C]
	Night	31	55	Y	[A]

Project: Shuen Wan Golf Course
Title: Predicted Sound Pressure Level

NSR: N3
NAP: N3-01 (Casa Brava)
Operation for Golf Hole 4

(1) Fixed Plant Equiment (Pumping Stations, Plantroom Exhaust and Proposed Ting Kok Road Sewage Pumping Station No. 5)

Equipment	Max. Allowable SWL, dB(A)	Horizontal Distance, m	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
			Distance	Tonality	Barrier	Façade	% on-time	Fixed Plant Equipment [A]
PLA-01	73	1250	-70	3	0	3	0	
PUM-01	80	200	-54	3	0	3	0	
PUM-02	80	950	-68	3	0	3	0	
PUM-03	80	1250	-70	3	0	3	0	37
PUM-04	80	1250	-70	3	0	3	0	
PLA-02	73	1050	-68	3	0	3	0	
TKRSPS No. 5 [1]	76	120	-50	6	0	3	0	
LEAPUM	80	1200	-70	3	0	3	0	

Note:
[1] A 6dB(A) tonality correction is adopted for the source "TKRSPS No. 5" in accordance with the approved "*Upgrading of Sewage Pumping Station and Sewerage along Ting Kok Road*" (DIR-257/2017).

(2) Golf Course Machinery - Tractor
The tractor drives up to the boundary of golf course hole 4, then drop off the aerator/mower after it stops.
Tractor speed is 10km/hr. Divide tractor route into segments and each segment represents the area covered by the tractor in 3.6s.

Equipment	SWL, dB(A)	Horizontal Distance, m	Source Location	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
				Distance	Tonality	Barrier	Façade	% on-time	Tractor [B]
		1238	T1	-70	3	0	3	-27	
		1238	T2	-70	3	0	3	-27	
		1238	T3	-70	3	0	3	-27	
		1238	T4	-70	3	0	3	-27	
		1240	T5	-70	3	0	3	-27	
		1243	T6	-70	3	0	3	-27	
		1248	T7	-70	3	0	3	-27	
		1254	T8	-70	3	0	3	-27	
		1260	T9	-70	3	0	3	-27	
		1264	T10	-70	3	0	3	-27	
		1266	T11	-70	3	0	3	-27	
		1268	T12	-70	3	0	3	-27	
		1270	T13	-70	3	0	3	-27	
		1270	T14	-70	3	0	3	-27	
		1269	T15	-70	3	0	3	-27	
		1263	T16	-70	3	0	3	-27	
		1255	T17	-70	3	0	3	-27	
		1246	T18	-70	3	0	3	-27	
		1237	T19	-70	3	0	3	-27	
		1228	T20	-70	3	0	3	-27	
		1219	T21	-70	3	0	3	-27	
		1211	T22	-70	3	0	3	-27	
		1203	T23	-70	3	0	3	-27	
		1196	T24	-70	3	0	3	-27	
		1188	T25	-69	3	0	3	-27	
		1181	T26	-69	3	0	3	-27	
		1171	T27	-69	3	0	3	-27	
		1161	T28	-69	3	0	3	-27	
		1151	T29	-69	3	0	3	-27	
		1141	T30	-69	3	0	3	-27	
		1131	T31	-69	3	0	3	-27	
		1121	T32	-69	3	0	3	-27	
		1111	T33	-69	3	0	3	-27	
		1101	T34	-69	3	0	3	-27	
		1091	T35	-69	3	0	3	-27	
		1081	T36	-69	3	0	3	-27	
		1071	T37	-69	3	0	3	-27	
		1061	T38	-69	3	0	3	-27	
		1051	T39	-68	3	0	3	-27	
		1041	T40	-68	3	0	3	-27	
		1031	T41	-68	3	0	3	-27	
		1021	T42	-68	3	0	3	-27	
		1011	T43	-68	3	0	3	-27	
		1001	T44	-68	3	0	3	-27	
		991	T45	-68	3	0	3	-27	
		981	T46	-68	3	0	3	-27	
		972	T47	-68	3	0	3	-27	
		962	T48	-68	3	0	3	-27	
		952	T49	-68	3	0	3	-27	
		942	T50	-67	3	0	3	-27	
		932	T51	-67	3	0	3	-27	
		922	T52	-67	3	0	3	-27	
		912	T53	-67	3	0	3	-27	
		902	T54	-67	3	0	3	-27	
		893	T55	-67	3	0	3	-27	
		885	T56	-67	3	0	3	-27	
		876	T57	-67	3	0	3	-27	
		869	T58	-67	3	0	3	-27	
		862	T59	-67	3	0	3	-27	
		856	T60	-67	3	0	3	-27	
		848	T61	-67	3	0	3	-27	
		840	T62	-66	3	0	3	-27	
		832	T63	-66	3	0	3	-27	
		823	T64	-66	3	0	3	-27	
		814	T65	-66	3	0	3	-27	
		805	T66	-66	3	0	3	-27	
		797	T67	-66	3	0	3	-27	
		789	T68	-66	3	0	3	-27	
		782	T69	-66	3	0	3	-27	
		775	T70	-66	3	0	3	-27	
		768	T71	-66	3	0	3	-27	
		762	T72	-66	3	0	3	-27	
		756	T73	-66	3	0	3	-27	
		748	T74	-65	3	0	3	-27	
Tractor	100	740	T75	-65	3	0	3	-27	39
		730	T76	-65	3	0	3	-27	
		721	T77	-65	3	0	3	-27	
		713	T78	-65	3	0	3	-27	
		705	T79	-65	3	0	3	-27	
		697	T80	-65	3	0	3	-27	
		691	T81	-65	3	0	3	-27	
		684	T82	-65	3	0	3	-27	
		678	T83	-65	3	0	3	-27	
		671	T84	-65	3	0	3	-27	
		664	T85	-64	3	0	3	-27	
		656	T86	-64	3	0	3	-27	
		646	T87	-64	3	0	3	-27	
		637	T88	-64	3	0	3	-27	
		628	T89	-64	3	0	3	-27	
		620	T90	-64	3	0	3	-27	
		614	T91	-64	3	0	3	-27	
		607	T92	-64	3	0	3	-27	
		601	T93	-64	3	0	3	-27	
		594	T94	-63	3	0	3	-27	
		587	T95	-63	3	0	3	-27	
		579	T96	-63	3	0	3	-27	
		570	T97	-63	3	0	3	-27	
		561	T98	-63	3	0	3	-27	
		551	T99	-63	3	0	3	-27	
		543	T100	-63	3	0	3	-27	
		535	T101	-63	3	0	3	-27	
		527	T102	-62	3	0	3	-27	
		520	T103	-62	3	0	3	-27	
		513	T104	-62	3	0	3	-27	

Equipment	SWL, dB(A)	Horizontal Distance, m	Source Location	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
				Distance	Tonality	Barrier	Façade	% on-time	Tractor [B]
		506	T105	-62	3	0	3	-27	
		499	T106	-62	3	0	3	-27	
		492	T107	-62	3	0	3	-27	
		485	T108	-62	3	0	3	-27	
		477	T109	-62	3	0	3	-27	
		469	T110	-61	3	0	3	-27	
		462	T111	-61	3	0	3	-27	
		454	T112	-61	3	0	3	-27	
		446	T113	-61	3	0	3	-27	
		439	T114	-61	3	0	3	-27	
		432	T115	-61	3	0	3	-27	
		425	T116	-61	3	0	3	-27	
		420	T117	-60	3	0	3	-27	
		415	T118	-60	3	0	3	-27	
		410	T119	-60	3	0	3	-27	
		404	T120	-60	3	0	3	-27	
		396	T121	-60	3	0	3	-27	
		385	T122	-60	3	0	3	-27	
		376	T123	-59	3	0	3	-27	
		368	T124	-59	3	0	3	-27	
		358	T125	-59	3	0	3	-27	
		347	T126	-59	3	0	3	-27	
		341	T127	-59	3	0	3	-27	
		332	T128	-58	3	0	3	-27	
		323	T129	-58	3	0	3	-27	
		315	T130	-58	3	0	3	-27	
		308	T131	-58	3	0	3	-27	
		302	T132	-58	3	0	3	-27	
		294	T133	-57	3	0	3	-27	
		285	T134	-57	3	0	3	-27	
		276	T135	-57	3	0	3	-27	
		267	T136	-57	3	0	3	-27	
		258	T137	-56	3	0	3	-27	
		251	T138	-56	3	0	3	-27	
		244	T139	-56	3	0	3	-27	
		240	T140	-56	3	0	3	-27	
		239	T141	-56	3	0	3	-27	
		240	T142	-56	3	0	3	-27	
		242	T143	-56	3	0	3	-27	
		245	T144	-56	3	0	3	-27	
		249	T145	-56	3	0	3	-27	
		253	T146	-56	3	0	3	-27	
		258	T147	-56	3	0	3	-27	
		265	T148	-56	3	0	3	-27	

(3) Golf Course Machinery - Aerator/Mower
Aerator/Mower operates when the tractor has dropped off the aerator/mower.
Aerator/Mower speed is about 3km/hr. Divide aerator/mower route into segments and each segment represents the area covered by the aerator/mower in 30s.
It is assumed that only one golf course machinery would be operated at any time, and the noisier aerator is adopted in the assessment to demonstrate the worst case scenario.

Equipment	SWL, dB(A)	Horizontal Distance, m	Source Location	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
				Distance	Tonality	Barrier	Façade	% on-time	Aerator [C]
		269	AM1	-57	3	0	3	-18	
		294	AM2	-57	3	0	3	-18	
		324	AM3	-58	3	0	3	-18	
		347	AM4	-59	3	0	3	-18	
		372	AM5	-59	3	0	3	-18	
		396	AM6	-60	3	0	3	-18	
		416	AM7	-60	3	0	3	-18	
		441	AM8	-61	3	0	3	-18	
		466	AM9	-61	3	0	3	-18	
		491	AM10	-62	3	0	3	-18	
		516	AM11	-62	3	0	3	-18	
		541	AM12	-63	3	0	3	-18	
		570	AM13	-63	3	0	3	-18	
		589	AM14	-63	3	0	3	-18	
		588	AM15	-63	3	0	3	-18	
		568	AM16	-63	3	0	3	-18	
		539	AM17	-63	3	0	3	-18	
		514	AM18	-62	3	0	3	-18	
		489	AM19	-62	3	0	3	-18	
Aerator	98	464	AM20	-61	3	0	3	-18	42
		439	AM21	-61	3	0	3	-18	
		414	AM22	-60	3	0	3	-18	
		394	AM23	-60	3	0	3	-18	
		370	AM24	-59	3	0	3	-18	
		346	AM25	-59	3	0	3	-18	
		323	AM26	-58	3	0	3	-18	
		292	AM27	-57	3	0	3	-18	
		267	AM28	-57	3	0	3	-18	
		268	AM29	-57	3	0	3	-18	
		292	AM30	-57	3	0	3	-18	
		323	AM31	-58	3	0	3	-18	
		346	AM32	-59	3	0	3	-18	
		370	AM33	-59	3	0	3	-18	
		394	AM34	-60	3	0	3	-18	
		414	AM35	-60	3	0	3	-18	
		439	AM36	-61	3	0	3	-18	
		464	AM37	-61	3	0	3	-18	
		489	AM38	-62	3	0	3	-18	
		514	AM39	-62	3	0	3	-18	
		539	AM40	-63	3	0	3	-18	

Predicted Noise Level, Leq 30min, dB(A)

NAP	Time Period	Predicted Noise Level, Leq 30min, dB(A)	Noise Criteria, dB(A)	Compliance	Remarks
N3-01	Day & Evening	45	65	Y	[A]+[B]+[C]
	Night	37	55	Y	[A]

Project: Shuen Wan Golf Course
Title: Predicted Sound Pressure Level

NSR: N4
NAP: N4-01 (Casa Marina I)
Operation for Golf Hole 4

(1) Fixed Plant Equiment (Pumping Stations, Plantroom Exhaust and Proposed Ting Kok Road Sewage Pumping Station No. 5)

Equipment	Max. Allowable SWL, dB(A)	Horizontal Distance, m	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
			Distance	Tonality	Barrier	Façade	% on-time	Fixed Plant Equipment [A]
PLA01	73	1050	-68	3	0	3	0	
PUM01	80	350	-59	3	0	3	0	
PUM02	80	950	-68	3	0	3	0	
PUM03	80	950	-68	3	0	3	0	31
PUM04	80	950	-68	3	0	3	0	
PLA02	73	750	-66	3	0	3	0	
TKRSPS No. 5 [1]	76	350	-59	6	0	3	0	
LEAPUM	80	1150	-69	3	0	3	0	

Note:
[1] A 6dB(A) tonality correction is adopted for the source "TKRSPS No. 5" in accordance with the approved "*Upgrading of Sewage Pumping Station and Sewerage along Ting Kok Road*" (DIR-257/2017).

(2) Golf Course Machinery - Tractor
The tractor drives up to the boundary of golf course hole 4, then drop off the aerator/mower after it stops.
Tractor speed is 10km/hr. Divde tractor route into segments and each segment represents the area covered by the tractor in 3.6s.

Equipment	SWL, dB(A)	Horizontal Distance, m	Source Location	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
				Distance	Tonality	Barrier	Façade	% on-time	Tractor [B]
		1044	T1	-68	3	0	3	-27	
		1048	T2	-68	3	0	3	-27	
		1052	T3	-68	3	0	3	-27	
		1057	T4	-68	3	0	3	-27	
		1063	T5	-69	3	0	3	-27	
		1069	T6	-69	3	0	3	-27	
		1077	T7	-69	3	0	3	-27	
		1086	T8	-69	3	0	3	-27	
		1095	T9	-69	3	0	3	-27	
		1103	T10	-69	3	0	3	-27	
		1109	T11	-69	3	0	3	-27	
		1115	T12	-69	3	0	3	-27	
		1121	T13	-69	3	0	3	-27	
		1125	T14	-69	3	0	3	-27	
		1129	T15	-69	3	0	3	-27	
		1127	T16	-69	3	0	3	-27	
		1122	T17	-69	3	0	3	-27	
		1116	T18	-69	3	0	3	-27	
		1110	T19	-69	3	0	3	-27	
		1104	T20	-69	3	0	3	-27	
		1098	T21	-69	3	0	3	-27	
		1093	T22	-69	3	0	3	-27	
		1089	T23	-69	3	0	3	-27	
		1085	T24	-69	3	0	3	-27	
		1082	T25	-69	3	0	3	-27	
		1078	T26	-69	3	0	3	-27	
		1072	T27	-69	3	0	3	-27	
		1065	T28	-69	3	0	3	-27	
		1056	T29	-68	3	0	3	-27	
		1047	T30	-68	3	0	3	-27	
		1039	T31	-68	3	0	3	-27	
		1030	T32	-68	3	0	3	-27	
		1021	T33	-68	3	0	3	-27	
		1012	T34	-68	3	0	3	-27	
		1003	T35	-68	3	0	3	-27	
		994	T36	-68	3	0	3	-27	
		985	T37	-68	3	0	3	-27	
		976	T38	-68	3	0	3	-27	
		967	T39	-68	3	0	3	-27	
		959	T40	-68	3	0	3	-27	
		951	T41	-68	3	0	3	-27	
		943	T42	-67	3	0	3	-27	
		934	T43	-67	3	0	3	-27	
		925	T44	-67	3	0	3	-27	
		916	T45	-67	3	0	3	-27	
		906	T46	-67	3	0	3	-27	
		897	T47	-67	3	0	3	-27	
		888	T48	-67	3	0	3	-27	
		879	T49	-67	3	0	3	-27	
		871	T50	-67	3	0	3	-27	
		863	T51	-67	3	0	3	-27	
		854	T52	-67	3	0	3	-27	
		845	T53	-67	3	0	3	-27	
		836	T54	-66	3	0	3	-27	
		827	T55	-66	3	0	3	-27	
		816	T56	-66	3	0	3	-27	
		806	T57	-66	3	0	3	-27	
		796	T58	-66	3	0	3	-27	
		787	T59	-66	3	0	3	-27	
		777	T60	-66	3	0	3	-27	
		767	T61	-66	3	0	3	-27	
		757	T62	-66	3	0	3	-27	
		747	T63	-65	3	0	3	-27	
		737	T64	-65	3	0	3	-27	
		728	T65	-65	3	0	3	-27	
		718	T66	-65	3	0	3	-27	
		708	T67	-65	3	0	3	-27	
		698	T68	-65	3	0	3	-27	
		688	T69	-65	3	0	3	-27	
		678	T70	-65	3	0	3	-27	
		668	T71	-64	3	0	3	-27	
		658	T72	-64	3	0	3	-27	
		648	T73	-64	3	0	3	-27	
Tractor	100	638	T74	-64	3	0	3	-27	37
		629	T75	-64	3	0	3	-27	
		621	T76	-64	3	0	3	-27	
		611	T77	-64	3	0	3	-27	
		602	T78	-64	3	0	3	-27	
		591	T79	-63	3	0	3	-27	
		581	T80	-63	3	0	3	-27	
		571	T81	-63	3	0	3	-27	
		561	T82	-63	3	0	3	-27	
		551	T83	-63	3	0	3	-27	
		541	T84	-63	3	0	3	-27	
		531	T85	-63	3	0	3	-27	
		522	T86	-62	3	0	3	-27	
		515	T87	-62	3	0	3	-27	
		510	T88	-62	3	0	3	-27	
		508	T89	-62	3	0	3	-27	
		509	T90	-62	3	0	3	-27	
		511	T91	-62	3	0	3	-27	
		514	T92	-62	3	0	3	-27	
		517	T93	-62	3	0	3	-27	
		520	T94	-62	3	0	3	-27	
		522	T95	-62	3	0	3	-27	
		523	T96	-62	3	0	3	-27	
		523	T97	-62	3	0	3	-27	
		522	T98	-62	3	0	3	-27	
		521	T99	-62	3	0	3	-27	
		520	T100	-62	3	0	3	-27	
		521	T101	-62	3	0	3	-27	
		523	T102	-62	3	0	3	-27	
		526	T103	-62	3	0	3	-27	

Equipment	SWL, dB(A)	Horizontal Distance, m	Source Location	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
				Distance	Tonality	Barrier	Façade	% on-time	Tractor [B]
		529	T104	-62	3	0	3	-27	
		533	T105	-63	3	0	3	-27	
		536	T106	-63	3	0	3	-27	
		539	T107	-63	3	0	3	-27	
		542	T108	-63	3	0	3	-27	
		545	T109	-63	3	0	3	-27	
		547	T110	-63	3	0	3	-27	
		549	T111	-63	3	0	3	-27	
		552	T112	-63	3	0	3	-27	
		554	T113	-63	3	0	3	-27	
		557	T114	-63	3	0	3	-27	
		561	T115	-63	3	0	3	-27	
		565	T116	-63	3	0	3	-27	
		570	T117	-63	3	0	3	-27	
		576	T118	-63	3	0	3	-27	
		582	T119	-63	3	0	3	-27	
		586	T120	-63	3	0	3	-27	
		588	T121	-63	3	0	3	-27	
		586	T122	-63	3	0	3	-27	
		581	T123	-63	3	0	3	-27	
		573	T124	-63	3	0	3	-27	
		566	T125	-63	3	0	3	-27	
		561	T126	-63	3	0	3	-27	
		554	T127	-63	3	0	3	-27	
		547	T128	-63	3	0	3	-27	
		541	T129	-63	3	0	3	-27	
		534	T130	-63	3	0	3	-27	
		525	T131	-62	3	0	3	-27	
		517	T132	-62	3	0	3	-27	
		510	T133	-62	3	0	3	-27	
		503	T134	-62	3	0	3	-27	
		498	T135	-62	3	0	3	-27	
		493	T136	-62	3	0	3	-27	
		487	T137	-62	3	0	3	-27	
		481	T138	-62	3	0	3	-27	
		474	T139	-62	3	0	3	-27	
		465	T140	-61	3	0	3	-27	
		454	T141	-61	3	0	3	-27	
		444	T142	-61	3	0	3	-27	
		434	T143	-61	3	0	3	-27	
		424	T144	-61	3	0	3	-27	
		414	T145	-60	3	0	3	-27	
		404	T146	-60	3	0	3	-27	
		395	T147	-60	3	0	3	-27	
		387	T148	-60	3	0	3	-27	

(3) Golf Course Machinery - Aerator/Mower
Aerator/Mower operates when the tractor has dropped off the aerator/mower.
Aerator/Mower speed is about 3km/hr. Divide aerator/mower route into segments and each segment represents the area covered by the aerator/mower in 30s.
It is assumed that only one golf course machinery would be operated at any time, and the noisier aerator is adopted in the assessment to demonstrate the worst case scenario.

Equipment	SWL, dB(A)	Horizontal Distance, m	Source Location	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
				Distance	Tonality	Barrier	Façade	% on-time	Aerator [C]
		353	AM1	-59	3	0	3	-18	
		338	AM2	-59	3	0	3	-18	
		318	AM3	-58	3	0	3	-18	
		302	AM4	-58	3	0	3	-18	
		287	AM5	-57	3	0	3	-18	
		274	AM6	-57	3	0	3	-18	
		264	AM7	-56	3	0	3	-18	
		260	AM8	-56	3	0	3	-18	
		260	AM9	-56	3	0	3	-18	
		261	AM10	-56	3	0	3	-18	
		264	AM11	-56	3	0	3	-18	
		270	AM12	-57	3	0	3	-18	
		281	AM13	-57	3	0	3	-18	
		299	AM14	-58	3	0	3	-18	
		300	AM15	-58	3	0	3	-18	
		282	AM16	-57	3	0	3	-18	
		271	AM17	-57	3	0	3	-18	
		265	AM18	-56	3	0	3	-18	
		262	AM19	-56	3	0	3	-18	
Aerator	98	261	AM20	-56	3	0	3	-18	45
		262	AM21	-56	3	0	3	-18	
		266	AM22	-57	3	0	3	-18	
		276	AM23	-57	3	0	3	-18	
		290	AM24	-57	3	0	3	-18	
		304	AM25	-58	3	0	3	-18	
		321	AM26	-58	3	0	3	-18	
		341	AM27	-59	3	0	3	-18	
		356	AM28	-59	3	0	3	-18	
		357	AM29	-59	3	0	3	-18	
		342	AM30	-59	3	0	3	-18	
		322	AM31	-58	3	0	3	-18	
		306	AM32	-58	3	0	3	-18	
		291	AM33	-57	3	0	3	-18	
		277	AM34	-57	3	0	3	-18	
		268	AM35	-57	3	0	3	-18	
		263	AM36	-56	3	0	3	-18	
		263	AM37	-56	3	0	3	-18	
		264	AM38	-56	3	0	3	-18	
		267	AM39	-57	3	0	3	-18	
		273	AM40	-57	3	0	3	-18	

Predicted Noise Level, Leq 30min, dB(A)

NAP	Time Period	Predicted Noise Level, Leq 30min, dB(A)	Noise Criteria, dB(A)	Compliance	Remarks
N4-01	Day & Evening	46	50	Y	[A]+[B]+[C]
	Night	31	45	Y	[A]

Project: Shuen Wan Golf Course
Title: Predicted Sound Pressure Level

NSR: PN4
NAP: PN4-01 (Planned Residential Development)
Operation for Golf Hole 4

(1) Fixed Plant Equipment (Pumping Stations, Plantroom Exhaust and Proposed Ting Kok Road Sewage Pumping Station No. 5)

Equipment	Max. Allowable SWL, dB(A)	Horizontal Distance, m	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
			Distance	Tonality	Barrier	Façade	% on-time	Fixed Plant Equipment [A]
PLA-01	73	950	-68	3	0	3	0	
PUM-01	80	350	-59	3	0	3	0	
PUM-02	80	850	-67	3	0	3	0	
PUM-03	80	900	-67	3	0	3	0	31
PUM-04	80	900	-67	3	0	3	0	
PLA-02	73	750	-66	3	0	3	0	
TKRSPS No. 5 [1]	76	400	-60	6	0	3	0	
LEAPUM	80	1050	-68	3	0	3	0	

Note:
[1] A 6dB(A) tonality correction is adopted for the source "TKRSPS No. 5" in accordance with the approved "*Upgrading of Sewage Pumping Station and Sewerage along Ting Kok Road*" (DIR-257/2017).

(2) Golf Course Machinery - Tractor
The tractor drives up to the boundary of golf course hole 4, then drop off the aerator/mower after it stops.
Tractor speed is 10km/hr. Divde tractor route into segments and each segment represents the area covered by the tractor in 3.6s.

Equipment	SWL, dB(A)	Horizontal Distance, m	Source Location	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
				Distance	Tonality	Barrier	Façade	% on-time	Tractor [B]
		939	T1	-67	3	0	3	-27	
		944	T2	-68	3	0	3	-27	
		949	T3	-68	3	0	3	-27	
		955	T4	-68	3	0	3	-27	
		962	T5	-68	3	0	3	-27	
		969	T6	-68	3	0	3	-27	
		977	T7	-68	3	0	3	-27	
		986	T8	-68	3	0	3	-27	
		996	T9	-68	3	0	3	-27	
		1004	T10	-68	3	0	3	-27	
		1011	T11	-68	3	0	3	-27	
		1018	T12	-68	3	0	3	-27	
		1024	T13	-68	3	0	3	-27	
		1030	T14	-68	3	0	3	-27	
		1034	T15	-68	3	0	3	-27	
		1033	T16	-68	3	0	3	-27	
		1029	T17	-68	3	0	3	-27	
		1024	T18	-68	3	0	3	-27	
		1018	T19	-68	3	0	3	-27	
		1013	T20	-68	3	0	3	-27	
		1008	T21	-68	3	0	3	-27	
		1004	T22	-68	3	0	3	-27	
		1001	T23	-68	3	0	3	-27	
		998	T24	-68	3	0	3	-27	
		996	T25	-68	3	0	3	-27	
		993	T26	-68	3	0	3	-27	
		989	T27	-68	3	0	3	-27	
		981	T28	-68	3	0	3	-27	
		973	T29	-68	3	0	3	-27	
		965	T30	-68	3	0	3	-27	
		957	T31	-68	3	0	3	-27	
		949	T32	-68	3	0	3	-27	
		941	T33	-67	3	0	3	-27	
		932	T34	-67	3	0	3	-27	
		924	T35	-67	3	0	3	-27	
		915	T36	-67	3	0	3	-27	
		906	T37	-67	3	0	3	-27	
		898	T38	-67	3	0	3	-27	
		890	T39	-67	3	0	3	-27	
		883	T40	-67	3	0	3	-27	
		876	T41	-67	3	0	3	-27	
		868	T42	-67	3	0	3	-27	
		859	T43	-67	3	0	3	-27	
		851	T44	-67	3	0	3	-27	
		843	T45	-67	3	0	3	-27	
		834	T46	-66	3	0	3	-27	
		826	T47	-66	3	0	3	-27	
		817	T48	-66	3	0	3	-27	
		809	T49	-66	3	0	3	-27	
		801	T50	-66	3	0	3	-27	
		794	T51	-66	3	0	3	-27	
		786	T52	-66	3	0	3	-27	
		778	T53	-66	3	0	3	-27	
		770	T54	-66	3	0	3	-27	
		762	T55	-66	3	0	3	-27	
		752	T56	-66	3	0	3	-27	
		742	T57	-65	3	0	3	-27	
		732	T58	-65	3	0	3	-27	
		722	T59	-65	3	0	3	-27	
		712	T60	-65	3	0	3	-27	
		702	T61	-65	3	0	3	-27	
		692	T62	-65	3	0	3	-27	
		683	T63	-65	3	0	3	-27	
		674	T64	-65	3	0	3	-27	
		665	T65	-64	3	0	3	-27	
		656	T66	-64	3	0	3	-27	
		646	T67	-64	3	0	3	-27	
		636	T68	-64	3	0	3	-27	
		626	T69	-64	3	0	3	-27	
		616	T70	-64	3	0	3	-27	
		606	T71	-64	3	0	3	-27	
		596	T72	-64	3	0	3	-27	
		586	T73	-63	3	0	3	-27	
Tractor	100	578	T74	-63	3	0	3	-27	37
		569	T75	-63	3	0	3	-27	
		561	T76	-63	3	0	3	-27	
		553	T77	-63	3	0	3	-27	
		544	T78	-63	3	0	3	-27	
		535	T79	-63	3	0	3	-27	
		525	T80	-62	3	0	3	-27	
		515	T81	-62	3	0	3	-27	
		505	T82	-62	3	0	3	-27	
		496	T83	-62	3	0	3	-27	
		487	T84	-62	3	0	3	-27	
		478	T85	-62	3	0	3	-27	
		469	T86	-61	3	0	3	-27	
		463	T87	-61	3	0	3	-27	
		460	T88	-61	3	0	3	-27	
		461	T89	-61	3	0	3	-27	
		464	T90	-61	3	0	3	-27	
		468	T91	-61	3	0	3	-27	
		474	T92	-62	3	0	3	-27	
		479	T93	-62	3	0	3	-27	
		485	T94	-62	3	0	3	-27	
		489	T95	-62	3	0	3	-27	
		493	T96	-62	3	0	3	-27	
		495	T97	-62	3	0	3	-27	
		497	T98	-62	3	0	3	-27	
		498	T99	-62	3	0	3	-27	
		500	T100	-62	3	0	3	-27	
		504	T101	-62	3	0	3	-27	
		509	T102	-62	3	0	3	-27	
		514	T103	-62	3	0	3	-27	

Equipment	SWL, dB(A)	Horizontal Distance, m	Source Location	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
				Distance	Tonality	Barrier	Façade	% on-time	Tractor [B]
		519	T104	-62	3	0	3	-27	
		525	T105	-62	3	0	3	-27	
		531	T106	-62	3	0	3	-27	
		536	T107	-63	3	0	3	-27	
		542	T108	-63	3	0	3	-27	
		547	T109	-63	3	0	3	-27	
		551	T110	-63	3	0	3	-27	
		556	T111	-63	3	0	3	-27	
		560	T112	-63	3	0	3	-27	
		565	T113	-63	3	0	3	-27	
		570	T114	-63	3	0	3	-27	
		576	T115	-63	3	0	3	-27	
		582	T116	-63	3	0	3	-27	
		589	T117	-63	3	0	3	-27	
		597	T118	-64	3	0	3	-27	
		604	T119	-64	3	0	3	-27	
		611	T120	-64	3	0	3	-27	
		614	T121	-64	3	0	3	-27	
		615	T122	-64	3	0	3	-27	
		612	T123	-64	3	0	3	-27	
		606	T124	-64	3	0	3	-27	
		601	T125	-64	3	0	3	-27	
		598	T126	-64	3	0	3	-27	
		592	T127	-63	3	0	3	-27	
		586	T128	-63	3	0	3	-27	
		583	T129	-63	3	0	3	-27	
		577	T130	-63	3	0	3	-27	
		570	T131	-63	3	0	3	-27	
		563	T132	-63	3	0	3	-27	
		557	T133	-63	3	0	3	-27	
		553	T134	-63	3	0	3	-27	
		550	T135	-63	3	0	3	-27	
		547	T136	-63	3	0	3	-27	
		544	T137	-63	3	0	3	-27	
		540	T138	-63	3	0	3	-27	
		535	T139	-63	3	0	3	-27	
		527	T140	-62	3	0	3	-27	
		518	T141	-62	3	0	3	-27	
		508	T142	-62	3	0	3	-27	
		498	T143	-62	3	0	3	-27	
		488	T144	-62	3	0	3	-27	
		478	T145	-62	3	0	3	-27	
		468	T146	-61	3	0	3	-27	
		458	T147	-61	3	0	3	-27	
		449	T148	-61	3	0	3	-27	

(3) Golf Course Machinery - Aerator/Mower
Aerator/Mower operates when the tractor has dropped off the aerator/mower.
Aerator/Mower speed is about 3km/hr. Divide aerator/mower route into segments and each segment represents the area covered by the aerator/mower in 30s.
It is assumed that only one golf course machinery would be operated at any time, and the noisier aerator is adopted in the assessment to demonstrate the worst case scenario.

Equipment	SWL, dB(A)	Horizontal Distance, m	Source Location	Correction, dB(A)					Predicted Noise Level, Leq 30min, dB(A)
				Distance	Tonality	Barrier	Façade	% on-time	Aerator [C]
		420	AM1	-60	3	0	3	-18	
		400	AM2	-60	3	0	3	-18	
		374	AM3	-59	3	0	3	-18	
		352	AM4	-59	3	0	3	-18	
		330	AM5	-58	3	0	3	-18	
		309	AM6	-58	3	0	3	-18	
		290	AM7	-57	3	0	3	-18	
		275	AM8	-57	3	0	3	-18	
		262	AM9	-56	3	0	3	-18	
		250	AM10	-56	3	0	3	-18	
		240	AM11	-56	3	0	3	-18	
		233	AM12	-55	3	0	3	-18	
		232	AM13	-55	3	0	3	-18	
		243	AM14	-56	3	0	3	-18	
		244	AM15	-56	3	0	3	-18	
		233	AM16	-55	3	0	3	-18	
		235	AM17	-55	3	0	3	-18	
		242	AM18	-56	3	0	3	-18	
		253	AM19	-56	3	0	3	-18	
Aerator	98	264	AM20	-56	3	0	3	-18	45
		277	AM21	-57	3	0	3	-18	
		293	AM22	-57	3	0	3	-18	
		312	AM23	-58	3	0	3	-18	
		333	AM24	-58	3	0	3	-18	
		354	AM25	-59	3	0	3	-18	
		376	AM26	-60	3	0	3	-18	
		403	AM27	-60	3	0	3	-18	
		423	AM28	-61	3	0	3	-18	
		424	AM29	-61	3	0	3	-18	
		404	AM30	-60	3	0	3	-18	
		377	AM31	-60	3	0	3	-18	
		355	AM32	-59	3	0	3	-18	
		333	AM33	-58	3	0	3	-18	
		312	AM34	-58	3	0	3	-18	
		293	AM35	-57	3	0	3	-18	
		278	AM36	-57	3	0	3	-18	
		265	AM37	-56	3	0	3	-18	
		254	AM38	-56	3	0	3	-18	
		243	AM39	-56	3	0	3	-18	
		236	AM40	-55	3	0	3	-18	

Predicted Noise Level, Leq 30min, dB(A)

NAP	Time Period	Predicted Noise Level, Leq 30min, dB(A)	Noise Criteria, dB(A)	Compliance	Remarks
PN4-01	Day & Evening	46	50	Y	[A]+[B]+[C]
	Night	31	45	Y	[A]