

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 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	
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	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. 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	100		T1	-42	3	0	3	-27	25
				-62	3	0	3	-27	
				-62	3	0	3	-27	
				-61	3	0	3	-27	
				-61	3	0	3	-27	
				-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	98		AM1	-61	3	-10	3	-18	41
			AM2	-60	3	-10	3	-18	
			AM3	-60	3	-10	3	-18	
			AM4	-59	3	-10	3	-18	
			AM5	-59	3	-10	3	-18	
			AM6	-58	3	-10	3	-18	
			AM7	-57	3	-10	3	-18	
			AM8	-56	3	-10	3	-18	
			AM9	-56	3	-10	3	-18	
			AM10	-55	3	-10	3	-18	
			AM11	-54	3	-10	3	-18	
			AM12	-53	3	-10	3	-18	
			AM13	-51	3	-10	3	-18	
			AM14	-50	3	-10	3	-18	
			AM15	-49	3	-10	3	-18	
			AM16	-48	3	-10	3	-18	
			AM17	-47	3	-10	3	-18	
			AM18	-46	3	-10	3	-18	
			AM19	-47	3	-10	3	-18	
			AM20	-47	3	-10	3	-18	
			AM21	-46	3	-10	3	-18	
			AM22	-47	3	-10	3	-18	
			AM23	-48	3	-10	3	-18	
			AM24	-49	3	-10	3	-18	
			AM25	-50	3	-10	3	-18	
			AM26	-51	3	-10	3	-18	
			AM27	-53	3	-10	3	-18	
			AM28	-54	3	-10	3	-18	
			AM29	-55	3	-10	3	-18	
			AM30	-56	3	-10	3	-18	
			AM31	-56	3	-10	3	-18	
			AM32	-57	3	-10	3	-18	
			AM33	-58	3	-10	3	-18	
			AM34	-59	3	-10	3	-18	
			AM35	-59	3	-10	3	-18	
			AM36	-60	3	-10	3	-18	
			AM37	-60	3	-10	3	-18	
			AM38	-61	3	-10	3	-18	
			AM39	-61	3	-10	3	-18	
			AM40	-61	3	-10	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	41	45	Y	[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 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	
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	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. 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	100		T1	-53	3	0	3	-27	41
			T2	-63	3	0	3	-27	
			T3	-62	3	0	3	-27	
			T4	-62	3	0	3	-27	
			T5	-62	3	0	3	-27	
			T6	-62	3	0	3	-27	
			T7	-62	3	0	3	-27	
			T8	-62	3	0	3	-27	
			T9	-62	3	0	3	-27	
			T10	-62	3	0	3	-27	
			T11	-62	3	0	3	-27	
			T12	-62	3	0	3	-27	
			T13	-61	3	0	3	-27	
			T14	-61	3	0	3	-27	
			T15	-61	3	0	3	-27	
			T16	-61	3	0	3	-27	
			T17	-61	3	0	3	-27	
			T18	-61	3	0	3	-27	
			T19	-61	3	0	3	-27	
			T20	-60	3	0	3	-27	
			T21	-60	3	0	3	-27	
			T22	-60	3	0	3	-27	
			T23	-60	3	0	3	-27	
			T24	-60	3	0	3	-27	
			T25	-60	3	0	3	-27	
			T26	-60	3	0	3	-27	
			T27	-59	3	0	3	-27	
			T28	-59	3	0	3	-27	
			T29	-59	3	0	3	-27	
			T30	-59	3	0	3	-27	
			T31	-59	3	0	3	-27	
			T32	-59	3	0	3	-27	
			T33	-59	3	0	3	-27	
			T34	-59	3	0	3	-27	
			T35	-58	3	0	3	-27	
			T36	-58	3	0	3	-27	
			T37	-58	3	0	3	-27	
			T38	-58	3	0	3	-27	
			T39	-58	3	0	3	-27	
			T40	-58	3	0	3	-27	
			T41	-58	3	0	3	-27	
			T42	-58	3	0	3	-27	
			T43	-57	3	0	3	-27	
			T44	-57	3	0	3	-27	
			T45	-57	3	0	3	-27	
			T46	-57	3	0	3	-27	
			T47	-56	3	0	3	-27	
			T48	-56	3	0	3	-27	
			T49	-56	3	0	3	-27	
			T50	-55	3	0	3	-27	
			T51	-55	3	0	3	-27	
			T52	-55	3	0	3	-27	
			T53	-56	3	0	3	-27	
			T54	-56	3	0	3	-27	
			T55	-56	3	0	3	-27	
			T56	-56	3	0	3	-27	
			T57	-57	3	0	3	-27	
			T58	-57	3	0	3	-27	
			T59	-57	3	0	3	-27	
			T60	-57	3	0	3	-27	
			T61	-57	3	0	3	-27	
			T62	-57	3	0	3	-27	
			T63	-56	3	0	3	-27	
			T64	-56	3	0	3	-27	
			T65	-56	3	0	3	-27	
			T66	-56	3	0	3	-27	
			T67	-55	3	0	3	-27	
			T68	-55	3	0	3	-27	
			T69	-55	3	0	3	-27	
			T70	-54	3	0	3	-27	
			T71	-54	3	0	3	-27	
T72	-54	3	0	3	-27				
T73	-53	3	0	3	-27				
T74	-53	3	0	3	-27				
T75	-53	3	0	3	-27				
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	98		AM1	-52	3	-10	3	-18	41
			AM2	-51	3	-10	3	-18	
			AM3	-50	3	-10	3	-18	
			AM4	-50	3	-10	3	-18	
			AM5	-50	3	-10	3	-18	
			AM6	-51	3	-10	3	-18	
			AM7	-51	3	-10	3	-18	
			AM8	-52	3	-10	3	-18	
			AM9	-51	3	-10	3	-18	
			AM10	-51	3	-10	3	-18	
			AM11	-50	3	-10	3	-18	
			AM12	-50	3	-10	3	-18	
			AM13	-50	3	-10	3	-18	
			AM14	-51	3	-10	3	-18	
			AM15	-52	3	-10	3	-18	
			AM16	-52	3	-10	3	-18	
			AM17	-51	3	-10	3	-18	
			AM18	-50	3	-10	3	-18	
			AM19	-50	3	-10	3	-18	
			AM20	-50	3	-10	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	
		141	AM21	-51	3	-10	3	-18	
		148	AM22	-51	3	-10	3	-18	
		156	AM23	-52	3	-10	3	-18	
		160	AM24	-51	3	-10	3	-18	
		142	AM25	-51	3	-10	3	-18	
		134	AM26	-51	3	-10	3	-18	
		128	AM27	-50	3	-10	3	-18	
		131	AM28	-50	3	-10	3	-18	
		143	AM29	-51	3	-10	3	-18	
		159	AM30	-52	3	-10	3	-18	
		159	AM31	-52	3	-10	3	-18	
		144	AM32	-51	3	-10	3	-18	
		132	AM33	-50	3	-10	3	-18	
		129	AM34	-50	3	-10	3	-18	
		135	AM35	-51	3	-10	3	-18	
		143	AM36	-51	3	-10	3	-18	
		150	AM37	-52	3	-10	3	-18	
		157	AM38	-52	3	-10	3	-18	
		151	AM39	-52	3	-10	3	-18	
		144	AM40	-51	3	-10	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	44	45	Y	[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 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	
PLA-01	73	600	-64	3	0	3	0	
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	76	750	-66	6	0	3	0	
LEAPUM	80	750	-66	3	0	3	0	32

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	100	564	T1	-53	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	98	505	AM1	-52	3	-10	3	-18	39
		481	AM2	-62	3	-10	3	-18	
		455	AM3	-61	3	-10	3	-18	
		431	AM4	-61	3	-10	3	-18	
		406	AM5	-60	3	-10	3	-18	
		379	AM6	-60	3	-10	3	-18	
		355	AM7	-59	3	-10	3	-18	
		328	AM8	-58	3	-10	3	-18	
		304	AM9	-58	3	-10	3	-18	
		280	AM10	-57	3	-10	3	-18	
		255	AM11	-56	3	-10	3	-18	
		231	AM12	-55	3	-10	3	-18	
		208	AM13	-54	3	-10	3	-18	
		182	AM14	-53	3	-10	3	-18	
		162	AM15	-52	3	-10	3	-18	
		140	AM16	-51	3	-10	3	-18	
		117	AM17	-49	3	-10	3	-18	
		95	AM18	-48	3	-10	3	-18	
		77	AM19	-46	3	-10	3	-18	
		77	AM20	-46	3	-10	3	-18	
		95	AM21	-48	3	-10	3	-18	
		117	AM22	-49	3	-10	3	-18	
		141	AM23	-51	3	-10	3	-18	
		163	AM24	-52	3	-10	3	-18	
		183	AM25	-53	3	-10	3	-18	
		208	AM26	-54	3	-10	3	-18	
		231	AM27	-55	3	-10	3	-18	
		256	AM28	-56	3	-10	3	-18	
		280	AM29	-57	3	-10	3	-18	
		304	AM30	-58	3	-10	3	-18	
		328	AM31	-58	3	-10	3	-18	
		354	AM32	-59	3	-10	3	-18	
		379	AM33	-60	3	-10	3	-18	
		405	AM34	-60	3	-10	3	-18	
		430	AM35	-61	3	-10	3	-18	
		454	AM36	-61	3	-10	3	-18	
		480	AM37	-62	3	-10	3	-18	
		504	AM38	-62	3	-10	3	-18	
		521	AM39	-62	3	-10	3	-18	
		537	AM40	-63	3	-10	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	40	45	Y	[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 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	
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	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. 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	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 30m/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	98	156	AM1	-52	3	-10	3	-18	41
		140	AM2	-51	3	-10	3	-18	
		129	AM3	-50	3	-10	3	-18	
		125	AM4	-50	3	-10	3	-18	
		131	AM5	-50	3	-10	3	-18	
		139	AM6	-51	3	-10	3	-18	
		147	AM7	-51	3	-10	3	-18	
		154	AM8	-52	3	-10	3	-18	
		147	AM9	-51	3	-10	3	-18	
		140	AM10	-51	3	-10	3	-18	
		132	AM11	-50	3	-10	3	-18	
		126	AM12	-50	3	-10	3	-18	
		130	AM13	-50	3	-10	3	-18	
		141	AM14	-51	3	-10	3	-18	
		157	AM15	-52	3	-10	3	-18	
		158	AM16	-52	3	-10	3	-18	
		142	AM17	-51	3	-10	3	-18	
		130	AM18	-50	3	-10	3	-18	
		127	AM19	-50	3	-10	3	-18	
		133	AM20	-50	3	-10	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	
Aerator	98	141	AM21	-51	3	-10	3	-18	41
		148	AM22	-51	3	-10	3	-18	
		156	AM23	-52	3	-10	3	-18	
		149	AM24	-51	3	-10	3	-18	
		142	AM25	-51	3	-10	3	-18	
		134	AM26	-51	3	-10	3	-18	
		128	AM27	-50	3	-10	3	-18	
		131	AM28	-50	3	-10	3	-18	
		143	AM29	-51	3	-10	3	-18	
		159	AM30	-52	3	-10	3	-18	
		159	AM31	-52	3	-10	3	-18	
		144	AM32	-51	3	-10	3	-18	
		132	AM33	-50	3	-10	3	-18	
		129	AM34	-50	3	-10	3	-18	
		135	AM35	-51	3	-10	3	-18	
		143	AM36	-51	3	-10	3	-18	
		150	AM37	-52	3	-10	3	-18	
		157	AM38	-52	3	-10	3	-18	
		151	AM39	-52	3	-10	3	-18	
		144	AM40	-51	3	-10	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	41	45	Y	[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 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) Fixed Plant Equipment [A]
			Distance	Tonality	Barrier	Façade	% on-time	
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	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) Tractor [B]
				Distance	Tonality	Barrier	Façade	% on-time	
Tractor	100		T1	-41	3	0	3	-27	26
				-42	3	0	3	-27	
				-43	3	0	3	-27	
				-43	3	0	3	-27	
				-44	3	0	3	-27	
				-45	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) Aerator [C]
				Distance	Tonality	Barrier	Façade	% on-time	
Aerator	98		AM1	-40	3	-10	3	-18	41
			AM2	-59	3	-10	3	-18	
			AM3	-59	3	-10	3	-18	
			AM4	-58	3	-10	3	-18	
			AM5	-57	3	-10	3	-18	
			AM6	-57	3	-10	3	-18	
			AM7	-56	3	-10	3	-18	
			AM8	-55	3	-10	3	-18	
			AM9	-54	3	-10	3	-18	
			AM10	-53	3	-10	3	-18	
			AM11	-52	3	-10	3	-18	
			AM12	-50	3	-10	3	-18	
			AM13	-49	3	-10	3	-18	
			AM14	-48	3	-10	3	-18	
			AM15	-48	3	-10	3	-18	
			AM16	-48	3	-10	3	-18	
			AM17	-48	3	-10	3	-18	
			AM18	-49	3	-10	3	-18	
			AM19	-50	3	-10	3	-18	
			AM20	-50	3	-10	3	-18	
			AM21	-49	3	-10	3	-18	
			AM22	-48	3	-10	3	-18	
			AM23	-48	3	-10	3	-18	
			AM24	-48	3	-10	3	-18	
			AM25	-48	3	-10	3	-18	
			AM26	-49	3	-10	3	-18	
			AM27	-49	3	-10	3	-18	
			AM28	-52	3	-10	3	-18	
			AM29	-53	3	-10	3	-18	
			AM30	-54	3	-10	3	-18	
			AM31	-55	3	-10	3	-18	
			AM32	-56	3	-10	3	-18	
			AM33	-57	3	-10	3	-18	
			AM34	-57	3	-10	3	-18	
			AM35	-58	3	-10	3	-18	
			AM36	-59	3	-10	3	-18	
			AM37	-56	3	-10	3	-18	
			AM38	-60	3	-10	3	-18	
			AM39	-60	3	-10	3	-18	
			AM40	-61	3	-10	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	42	45	Y	[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 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) Fixed Plant Equipment [A]
			Distance	Tonality	Barrier	Façade	% on-time	
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	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) Tractor [B]
				Distance	Tonality	Barrier	Façade	% on-time	
Tractor	100		T1	-41	3	0	3	-27	41
			T2	-42	3	0	3	-27	
			T3	-42	3	0	3	-27	
			T4	-42	3	0	3	-27	
			T5	-42	3	0	3	-27	
			T6	-41	3	0	3	-27	
			T7	-41	3	0	3	-27	
			T8	-41	3	0	3	-27	
			T9	-41	3	0	3	-27	
			T10	-41	3	0	3	-27	
			T11	-41	3	0	3	-27	
			T12	-41	3	0	3	-27	
			T13	-41	3	0	3	-27	
			T14	-41	3	0	3	-27	
			T15	-40	3	0	3	-27	
			T16	-40	3	0	3	-27	
			T17	-40	3	0	3	-27	
			T18	-40	3	0	3	-27	
			T19	-40	3	0	3	-27	
			T20	-40	3	0	3	-27	
			T21	-40	3	0	3	-27	
			T22	-40	3	0	3	-27	
			T23	-39	3	0	3	-27	
			T24	-39	3	0	3	-27	
			T25	-39	3	0	3	-27	
			T26	-39	3	0	3	-27	
			T27	-39	3	0	3	-27	
			T28	-39	3	0	3	-27	
			T29	-39	3	0	3	-27	
			T30	-39	3	0	3	-27	
			T31	-39	3	0	3	-27	
			T32	-39	3	0	3	-27	
			T33	-39	3	0	3	-27	
			T34	-38	3	0	3	-27	
			T35	-38	3	0	3	-27	
			T36	-38	3	0	3	-27	
			T37	-38	3	0	3	-27	
			T38	-38	3	0	3	-27	
			T39	-38	3	0	3	-27	
			T40	-38	3	0	3	-27	
			T41	-38	3	0	3	-27	
			T42	-38	3	0	3	-27	
			T43	-38	3	0	3	-27	
			T44	-37	3	0	3	-27	
			T45	-37	3	0	3	-27	
			T46	-37	3	0	3	-27	
			T47	-37	3	0	3	-27	
			T48	-37	3	0	3	-27	
			T49	-37	3	0	3	-27	
			T50	-36	3	0	3	-27	
			T51	-35	3	0	3	-27	
			T52	-35	3	0	3	-27	
			T53	-35	3	0	3	-27	
			T54	-35	3	0	3	-27	
			T55	-35	3	0	3	-27	
			T56	-35	3	0	3	-27	
			T57	-35	3	0	3	-27	
			T58	-35	3	0	3	-27	
			T59	-35	3	0	3	-27	
			T60	-35	3	0	3	-27	
			T61	-35	3	0	3	-27	
			T62	-35	3	0	3	-27	
			T63	-35	3	0	3	-27	
			T64	-35	3	0	3	-27	
			T65	-35	3	0	3	-27	
			T66	-35	3	0	3	-27	
			T67	-34	3	0	3	-27	
			T68	-34	3	0	3	-27	
			T69	-34	3	0	3	-27	
			T70	-33	3	0	3	-27	
			T71	-33	3	0	3	-27	
			T72	-33	3	0	3	-27	
			T73	-33	3	0	3	-27	
			T74	-32	3	0	3	-27	
			T75	-32	3	0	3	-27	
			T76	-32	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) Aerator [C]
				Distance	Tonality	Barrier	Façade	% on-time	
Aerator	98		AM1	-54	3	-10	3	-18	40
			AM2	-54	3	-10	3	-18	
			AM3	-53	3	-10	3	-18	
			AM4	-52	3	-10	3	-18	
			AM5	-52	3	-10	3	-18	
			AM6	-52	3	-10	3	-18	
			AM7	-52	3	-10	3	-18	
			AM8	-52	3	-10	3	-18	
			AM9	-52	3	-10	3	-18	
			AM10	-52	3	-10	3	-18	
			AM11	-52	3	-10	3	-18	
			AM12	-52	3	-10	3	-18	
			AM13	-53	3	-10	3	-18	
			AM14	-54	3	-10	3	-18	
			AM15	-54	3	-10	3	-18	
			AM16	-54	3	-10	3	-18	
			AM17	-54	3	-10	3	-18	
			AM18	-53	3	-10	3	-18	
			AM19	-52	3	-10	3	-18	
			AM20	-52	3	-10	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	
		157	AM21	-52	3	-10	3	-18	
		154	AM22	-52	3	-10	3	-18	
		155	AM23	-52	3	-10	3	-18	
		156	AM24	-52	3	-10	3	-18	
		158	AM25	-52	3	-10	3	-18	
		160	AM26	-52	3	-10	3	-18	
		163	AM27	-52	3	-10	3	-18	
		175	AM28	-53	3	-10	3	-18	
		192	AM29	-54	3	-10	3	-18	
		211	AM30	-54	3	-10	3	-18	
		212	AM31	-55	3	-10	3	-18	
		192	AM32	-54	3	-10	3	-18	
		175	AM33	-53	3	-10	3	-18	
		164	AM34	-52	3	-10	3	-18	
		161	AM35	-52	3	-10	3	-18	
		159	AM36	-52	3	-10	3	-18	
		156	AM37	-52	3	-10	3	-18	
		157	AM38	-52	3	-10	3	-18	
		157	AM39	-52	3	-10	3	-18	
		160	AM40	-52	3	-10	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	44	45	Y	[A]±[B]±[C]
	Night	34	43	Y	[A]