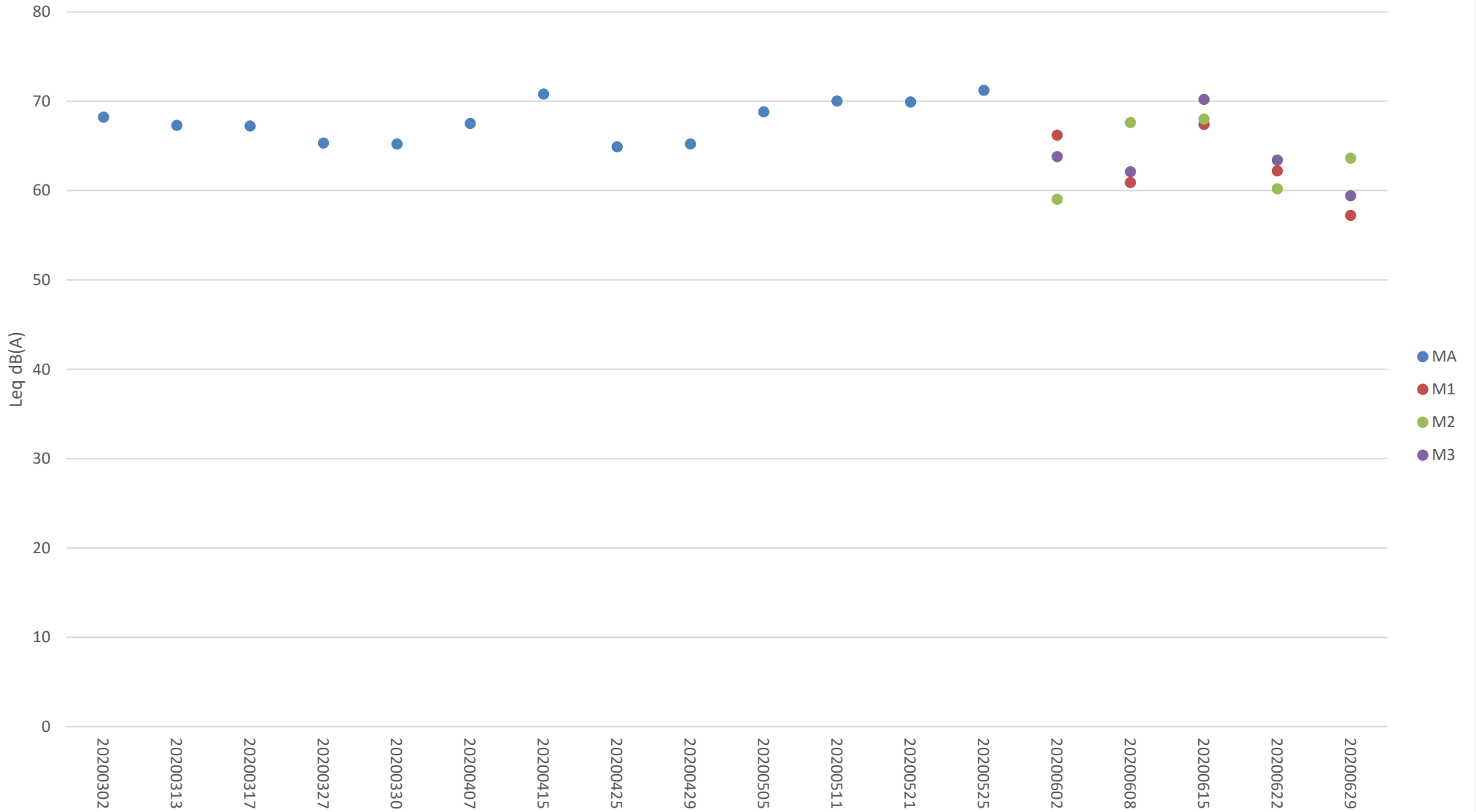


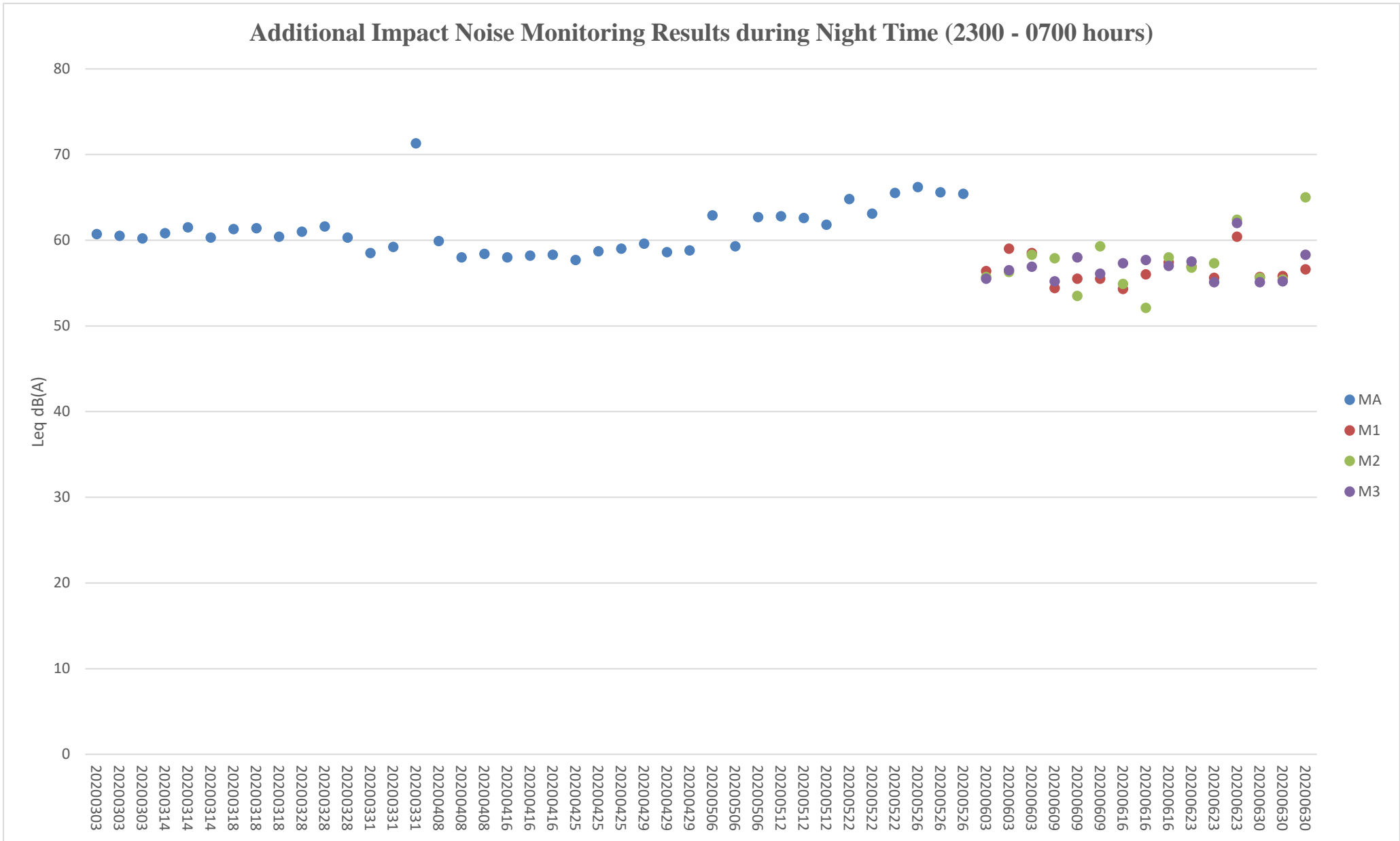
Appendix D Noise Monitoring Data Trending

Impact Noise Monitoring Results during Day Time (0700 - 1900 hours)



*Based on the concern of novel coronavirus during Feb to May 2020, access to Shek Kwu Chau was rejected by SADRA. Hence, the alternative noise monitoring location (MA) at the farthest barge outside the site boundary was proposed by ET and agreed by IEC which subject to EPD approval.

**A correction of +3 dB(A) would be made to the free field measurements.



*Based on the concern of novel coronavirus during Feb to May 2020, access to Shek Kwu Chau was rejected by SADRA. Hence, the alternative noise monitoring location (MA) at the farthest barge outside the site boundary was proposed by ET and agreed by IEC which subject to EPD approval.

**A correction of +3 dB(A) would be made to the free field measurements.

Summary of the Construction Activities Undertaken during the Reporting Period

Location of works	Construction activities undertaken	Remarks on progress
Breakwater	<ul style="list-style-type: none"> • Sand blanket laying • DCM installation 	<ul style="list-style-type: none"> • On-going • On-going
Reclamation area	<ul style="list-style-type: none"> • Sand blanket laying 	<ul style="list-style-type: none"> • On-going
Seawall portion	<ul style="list-style-type: none"> • DCM installation • Coring for DCM cluster • Dredging • Cone penetration test • Installation of caisson • Installation of Prefabricated Vertical Drain 	<ul style="list-style-type: none"> • Completed • On-going • 72,156.7042 m³ of dredged sediment in bulk quantity was dumped at relevant dumping site in total up to 30 June 2020. • On-going • On-going • On-going
Portion 8	<ul style="list-style-type: none"> • Site trial of sorting facilities 	<ul style="list-style-type: none"> • On-going

Location: Alternative noise monitoring location (FTB-17)

Monitoring date: 7, 15, 25 & 29 April 2020 (Daytime)
 7&8, 15&16, 24&25, 28&29 April 2020 (Evening & Night time)

Parameter : $L_{eq\ 30min}$ (Daytime), $L_{eq\ 5min}$ (Evening & Night time)

Noise source other than construction activities from the Project: Sound of sea waves

Noise Monitoring data:

Date	Start time		End time	Weather	$L_{eq\ 30min}$ dB(A) / $L_{eq\ 5min}$ dB(A)	Free-field Corr., dB(A)	Sound Level Meter Used	Calibrator Used
7 Apr 2020	16:05	-	16:35	Sunny	64.5	67.5	SVANTEK 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
7 Apr 2020	19:05	-	19:10	Fine	61.8	64.8	SVANTEK 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
	20:05	-	20:10		61.0	64.0		
	21:05	-	21:10		56.1	59.1		
8 Apr 2020	01:05	-	01:10	Fine	56.9	59.9	SVANTEK 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
	03:05	-	03:10		55.0	58.0		
	05:05	-	05:10		55.4	58.4		
15 Apr 2020	16:03	-	16:33	Sunny	67.8	70.8	SVANTEK 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
15 Apr 2020	19:03	-	19:08	Fine	61.8	64.8	SVANTEK 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
	20:03	-	20:08		60.8	63.8		
	21:03	-	21:08		56.0	59.0		
16 Apr 2020	01:03	-	01:08	Fine	55.0	58.0	SVANTEK 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
	03:03	-	03:08		55.2	58.2		
	05:03	-	05:08		55.3	58.3		
24 Apr 2020	19:12	-	19:17	Fine	61.0	64.0	SVANTEK 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
	20:12	-	20:17		61.7	64.7		
	21:12	-	21:17		56.1	59.1		
25 Apr 2020	01:12	-	01:17	Fine	54.7	57.7	SVANTEK 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
	03:12	-	03:17		55.7	58.7		
	05:12	-	05:17		56.0	59.0		
25 Apr 2020	08:12	-	08:42	Sunny	61.9	64.9	SVANTEK 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)

Date	Start time		End time	Weather	L_{eq} 30min dB(A) / L_{eq} 5min dB(A)	Free- field Corr., dB(A)	Sound Level Meter Used	Calibrator Used
28 Apr 2020	19:09	-	19:14	Fine	61.6	64.6	SVANTEK 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
	20:09	-	20:14		61.1	64.1		
	21:09	-	21:14		56.4	59.4		
29 Apr 2020	01:09	-	01:14	Fine	56.6	59.6	SVANTEK 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
	03:09	-	03:14		55.6	58.6		
	05:09	-	05:14		55.8	58.8		
29 Apr 2020	08:09	-	08:39	Sunny	62.2	65.2	SVANTEK 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)

Location: Alternative noise monitoring location (FTB-17)

Monitoring date: 5, 11, 21 & 25 May 2020 (Daytime)
 5&6, 11&12, 21&22, 25&26 May 2020 (Evening & Night time)

Parameter : $L_{eq\ 30min}$ (Daytime), $L_{eq\ 5min}$ (Evening & Night time)

Noise source other than construction activities from the Project: Sound of sea waves

Noise Monitoring data:

Date	Start time		End time	Weather	$L_{eq\ 30min}$ dB(A) / $L_{eq\ 5min}$ dB(A)	Free-field Corr., dB(A)	Sound Level Meter Used	Calibrator Used
5 May	16:10	-	16:40	Sunny	65.8	68.8	SVANTEK 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
5 May 2020	19:10	-	19:15	Fine	60.6	63.6	SVANTEK 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
	20:10	-	20:15		56.3	59.3		
	21:10	-	21:15		56.1	59.1		
6 May 2020	01:10	-	01:15	Fine	59.9	62.9	SVANTEK 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
	03:10	-	03:15		56.3	59.3		
	05:10	-	05:15		59.7	62.7		
11 May	16:08	-	16:38	Sunny	67.0	70.0	SVANTEK 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
11 May 2020	19:08	-	19:13	Fine	55.3	58.3	SVANTEK 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
	20:08	-	20:13		58.8	61.8		
	21:08	-	21:13		57.0	60.0		
12 May 2020	01:08	-	01:13	Fine	59.8	62.8	SVANTEK 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
	03:08	-	03:13		59.6	62.6		
	05:08	-	05:13		58.8	61.8		
21 May	16:04	-	16:34	Sunny	66.9	69.9	SVANTEK 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
21 May 2020	19:04	-	19:09	Fine	62.6	65.6	SVANTEK 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
	20:04	-	20:09		63.5	66.5		
	21:04	-	21:09		60.8	63.8		
22 May 2020	01:04	-	01:09	Fine	61.8	64.8	SVANTEK 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
	03:04	-	03:09		60.1	63.1		
	05:04	-	05:09		62.5	65.5		

Date	Start time		End time	Weather	L_{eq} 30min dB(A) / L_{eq} 5min dB(A)	Free- field Corr., dB(A)	Sound Level Meter Used	Calibrator Used
25 May 2020	16:06	-	16:36	Sunny	68.2	71.2	SVANTEK 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
26 May 2020	19:06	-	19:11	Fine	65.0	68.0	SVANTEK 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
	20:06	-	20:11		63.3	66.3		
	21:06	-	21:11		64.9	67.9		
26 May 2020	01:06	-	01:11	Fine	63.2	66.2	SVANTEK 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
	03:06	-	03:11		62.6	65.6		
	05:06	-	05:11		62.4	65.4		

Location: Shek Kwu Chau Treatment & Rehabilitation Centre Hostel 1 (M1 / N_S1)

Monitoring date: 2, 8, 15, 22 & 29 June 2020 (Daytime)
 2&3, 8&9, 15&16, 22&23, 29&30 June 2020 (Evening & Night time)

Parameter : $L_{eq\ 30min}$ (Daytime), $L_{eq\ 5min}$ (Evening & Night time)

Noise source other than construction activities from the Project: Nil

Noise Monitoring data:

Date	Start time		End time	Weather	$L_{eq\ 30min}$ dB(A) / $L_{eq\ 5min}$ dB(A)	Sound Level Meter Used	Calibrator Used
2 Jun 2020	16:04	-	16:34	Sunny	66.2	XL2 (Serial No. A2A-13663-E0)	Rion NC-74 (No. 34504770)
2 Jun 2020	19:04	-	19:09	Fine	59.7	XL2 (Serial No. A2A-13663-E0)	Rion NC-74 (No. 34504770)
	20:04	-	20:09		59.6		
	21:04	-	21:09		58.4		
3 Jun 2020	01:04	-	01:09	Fine	56.4	XL2 (Serial No. A2A-13663-E0)	Rion NC-74 (No. 34504770)
	03:04	-	03:09		59.0		
	05:04	-	05:09		58.5		
8 Jun 2020	16:17	-	16:47	Sunny	60.9	XL2 (Serial No. A2A-13548-E0)	Rion NC-74 (No. 34504770)
8 Jun 2020	19:17	-	19:22	Fine	55.8	XL2 (Serial No. A2A-13548-E0)	Rion NC-74 (No. 34504770)
	20:17	-	20:22		55.3		
	21:17	-	21:22		55.2		
9 Jun 2020	01:17	-	01:22	Fine	54.4	XL2 (Serial No. A2A-13548-E0)	Rion NC-74 (No. 34504770)
	03:17	-	03:22		55.5		
	05:17	-	05:22		55.5		
15 Jun 2020	16:01	-	16:31	Sunny	67.4	XL2 (Serial No. A2A-13548-E0)	Rion NC-74 (No. 34504770)
15 Jun 2020	19:01	-	19:06	Fine	57.8	XL2 (Serial No. A2A-13548-E0)	Rion NC-74 (No. 34504770)
	20:01	-	20:06		56.9		
	21:01	-	21:06		57.5		
16 Jun 2020	01:01	-	01:06	Fine	54.3	XL2 (Serial No. A2A-13548-E0)	Rion NC-74 (No. 34504770)
	03:01	-	03:06		56.0		
	05:01	-	05:06		57.4		

Date	Start time		End time	Weather	L_{eq 30min} dB(A) / L_{eq 5min} dB(A)	Sound Level Meter Used	Calibrator Used
22 Jun 2020	16:06	-	16:36	Sunny	62.2	XL2 (Serial No. A2A-13548-E0)	Rion NC-74 (No. 34504770)
22 Jun 2020	19:06	-	19:11	Fine	57.4	XL2 (Serial No. A2A-13548-E0)	Rion NC-74 (No. 34504770)
	20:06	-	20:11		57.4		
	21:06	-	21:11		58.7		
23 Jun 2020	01:06	-	01:11	Fine	56.9	XL2 (Serial No. A2A-13548-E0)	Rion NC-74 (No. 34504770)
	03:06	-	03:11		55.6		
	05:06	-	05:11		60.4		
29 Jun 2020	16:04	-	16:34	Sunny	57.2	XL2 (Serial No. A2A-13548-E0)	Rion NC-74 (No. 34504770)
29 Jun 2020	19:04	-	19:09	Fine	61.7	XL2 (Serial No. A2A-13548-E0)	Rion NC-74 (No. 34504770)
	20:04	-	20:09		61.5		
	21:04	-	21:09		59.6		
30 Jun 2020	01:04	-	01:09	Fine	55.7	XL2 (Serial No. A2A-13548-E0)	Rion NC-74 (No. 34504770)
	03:04	-	03:09		55.8		
	05:04	-	05:09		56.6		

Location: Shek Kwu Chau Treatment & Rehabilitation Centre Hostel 2 (M2 / N_S2)

Monitoring date: 2, 8, 15, 22 & 29 June 2020 (Daytime)
 2&3, 8&9, 15&16, 22&23, 29&30 June 2020 (Evening & Night time)

Parameter : $L_{eq\ 30min}$ (Daytime), $L_{eq\ 5min}$ (Evening & Night time)

Noise source other than construction activities from the Project: Nil

Noise Monitoring data:

Date	Start time		End time	Weather	$L_{eq\ 30min}$ dB(A) / $L_{eq\ 5min}$ dB(A)	Sound Level Meter Used	Calibrator Used
2 Jun 2020	16:04	-	16:34	Sunny	59.0	XL2 (Serial No. A2A-13548-E0)	Rion NC-74 (No. 34504770)
2 Jun 2020	19:04	-	19:09	Fine	58.1	XL2 (Serial No. A2A-13548-E0)	Rion NC-74 (No. 34504770)
	20:04	-	20:09		56.5		
	21:04	-	21:09		56.8		
3 Jun 2020	01:04	-	01:09	Fine	55.7	XL2 (Serial No. A2A-13548-E0)	Rion NC-74 (No. 34504770)
	03:04	-	03:09		56.3		
	05:04	-	05:09		58.3		
8 Jun 2020	16:09	-	16:39	Sunny	67.6	XL2 (Serial No. A2A-13663-E0)	Rion NC-74 (No. 34504770)
8 Jun 2020	19:09	-	19:14	Fine	60.7	XL2 (Serial No. A2A-13663-E0)	Rion NC-74 (No. 34504770)
	20:09	-	20:14		55.7		
	21:09	-	21:14		56.7		
9 Jun 2020	01:09	-	01:14	Fine	57.9	XL2 (Serial No. A2A-13663-E0)	Rion NC-74 (No. 34504770)
	03:09	-	03:14		53.5		
	05:09	-	05:14		59.3		
15 Jun 2020	16:02	-	16:32	Sunny	68.0	XL2 (Serial No. A2A-13663-E0)	Rion NC-74 (No. 34504770)
15 Jun 2020	19:02	-	19:07	Fine	55.8	XL2 (Serial No. A2A-13663-E0)	Rion NC-74 (No. 34504770)
	20:02	-	20:07		56.9		
	21:02	-	21:07		58.5		
16 Jun 2020	01:02	-	01:07	Fine	54.9	XL2 (Serial No. A2A-13663-E0)	Rion NC-74 (No. 34504770)
	03:02	-	03:07		52.1		
	05:02	-	05:07		58.0		

Date	Start time		End time	Weather	L_{eq 30min} dB(A) / L_{eq 5min} dB(A)	Sound Level Meter Used	Calibrator Used
22 Jun 2020	16:18	-	16:48	Sunny	60.2	XL2 (Serial No. A2A-13663-E0)	Rion NC-74 (No. 34504770)
22 Jun 2020	19:18	-	19:23	Fine	59.7	XL2 (Serial No. A2A-13663-E0)	Rion NC-74 (No. 34504770)
	20:18	-	20:23		61.9		
	21:18	-	21:23		58.4		
23 Jun 2020	01:18	-	01:23	Fine	56.8	XL2 (Serial No. A2A-13663-E0)	Rion NC-74 (No. 34504770)
	03:18	-	03:23		57.3		
	05:18	-	05:23		62.4		
29 Jun 2020	16:13	-	16:43	Sunny	63.6	XL2 (Serial No. A2A-13663-E0)	Rion NC-74 (No. 34504770)
29 Jun 2020	19:13	-	19:18	Fine	60.6	XL2 (Serial No. A2A-13663-E0)	Rion NC-74 (No. 34504770)
	20:13	-	20:18		57.1		
	21:13	-	21:18		59.4		
30 Jun 2020	01:13	-	01:18	Fine	55.6	XL2 (Serial No. A2A-13663-E0)	Rion NC-74 (No. 34504770)
	03:13	-	03:18		55.4		
	05:13	-	05:18		65.0		

Location: Shek Kwu Chau Treatment & Rehabilitation Centre Hostel 3 (M3 / N_S3)

Monitoring date: 2, 8, 15, 22 & 29 June 2020 (Daytime)
 2&3, 8&9, 15&16, 22&23, 29&30 June 2020 (Evening & Night time)

Parameter : $L_{eq\ 30min}$ (Daytime), $L_{eq\ 5min}$ (Evening & Night time)

Noise source other than construction activities from the Project: Nil

Noise Monitoring data:

Date	Start time		End time	Weather	$L_{eq\ 30min}$ dB(A) / $L_{eq\ 5min}$ dB(A)	Sound Level Meter Used	Calibrator Used
2 Jun 2020	16:00	-	16:30	Sunny	63.8	SVAN 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
2 Jun 2020	19:00	-	19:05	Fine	55.9	SVAN 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
	20:00	-	20:05		55.1		
	21:00	-	21:05		54.5		
3 Jun 2020	01:00	-	01:05	Fine	55.5	SVAN 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
	03:00	-	03:05		56.5		
	05:00	-	05:05		56.9		
8 Jun 2020	16:05	-	16:35	Sunny	62.1	SVAN 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
8 Jun 2020	19:05	-	19:10	Fine	57	SVAN 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
	20:05	-	20:10		58		
	21:05	-	21:10		56.9		
9 Jun 2020	01:05	-	01:10	Fine	55.2	SVAN 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
	03:05	-	03:10		58.0		
	05:05	-	05:10		56.1		
15 Jun 2020	16:07	-	16:37	Sunny	70.2	SVAN 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
15 Jun 2020	19:07	-	19:12	Fine	57.8	SVAN 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
	20:07	-	20:12		57.2		
	21:07	-	21:12		57.3		
16 Jun 2020	01:07	-	01:12	Fine	57.3	SVAN 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
	03:07	-	03:12		57.7		
	05:07	-	05:12		57.0		

Date	Start time		End time	Weather	L_{eq 30min} dB(A) / L_{eq 5min} dB(A)	Sound Level Meter Used	Calibrator Used
22 Jun 2020	16:15	-	16:45	Sunny	63.4	SVAN 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
22 Jun 2020	19:15	-	19:20	Fine	62.8	SVAN 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
	20:15	-	20:20		60.0		
	21:15	-	21:20		59.2		
23 Jun 2020	01:15	-	01:20	Fine	57.5	SVAN 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
	03:15	-	03:20		55.1		
	05:15	-	05:20		62.0		
29 Jun 2020	16:17	-	16:47	Sunny	59.4	SVAN 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
29 Jun 2020	19:17	-	19:22	Fine	56.9	SVAN 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
	20:17	-	20:22		59.4		
	21:17	-	21:22		61.8		
30 Jun 2020	01:17	-	01:22	Fine	55.1	SVAN 971 (Serial No. 77731)	Rion NC-74 (No. 34504770)
	03:17	-	03:22		55.2		
	05:17	-	05:22		58.3		