Appendix D. Monitoring Results

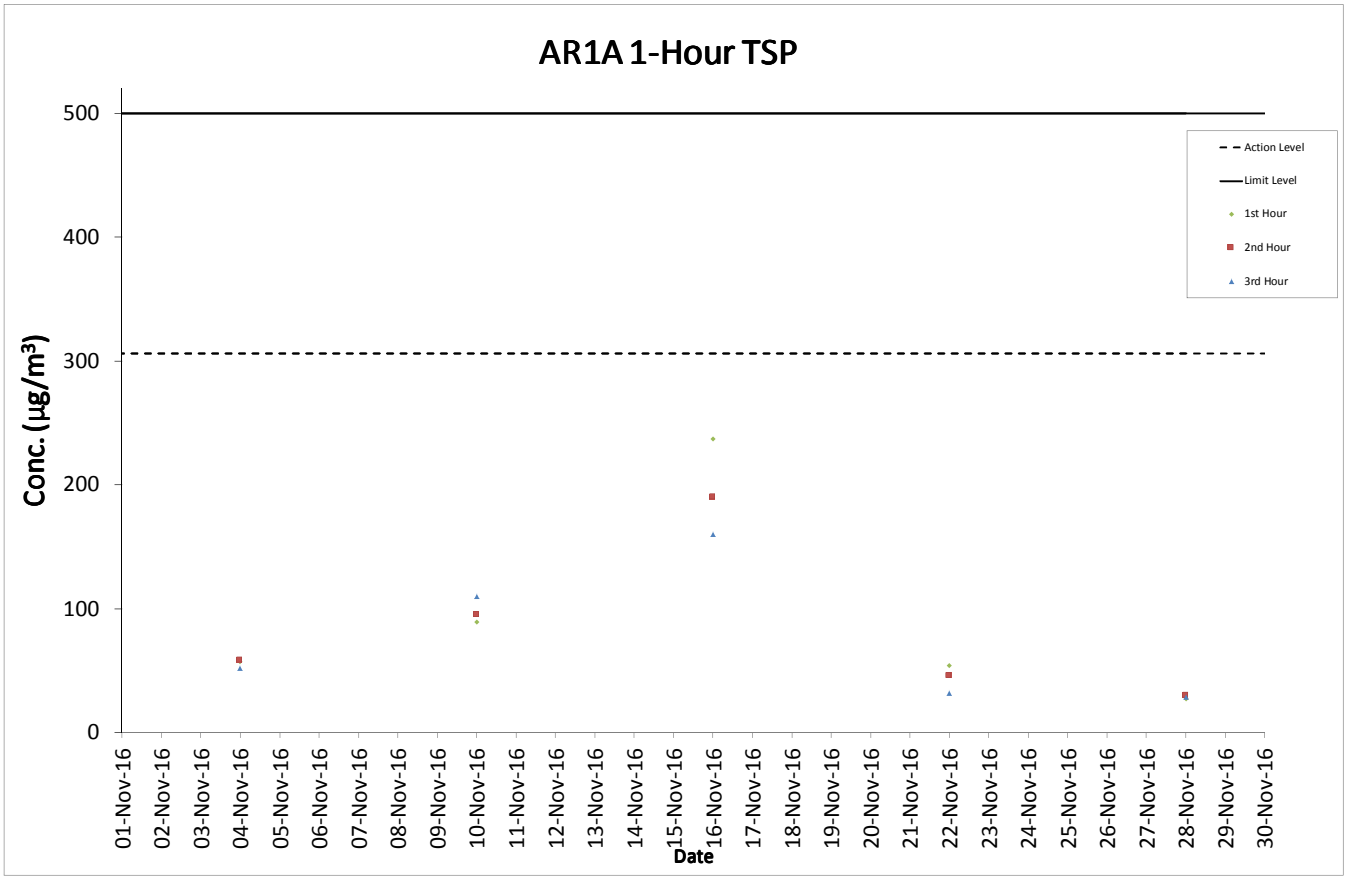
Air Quality Monitoring Results

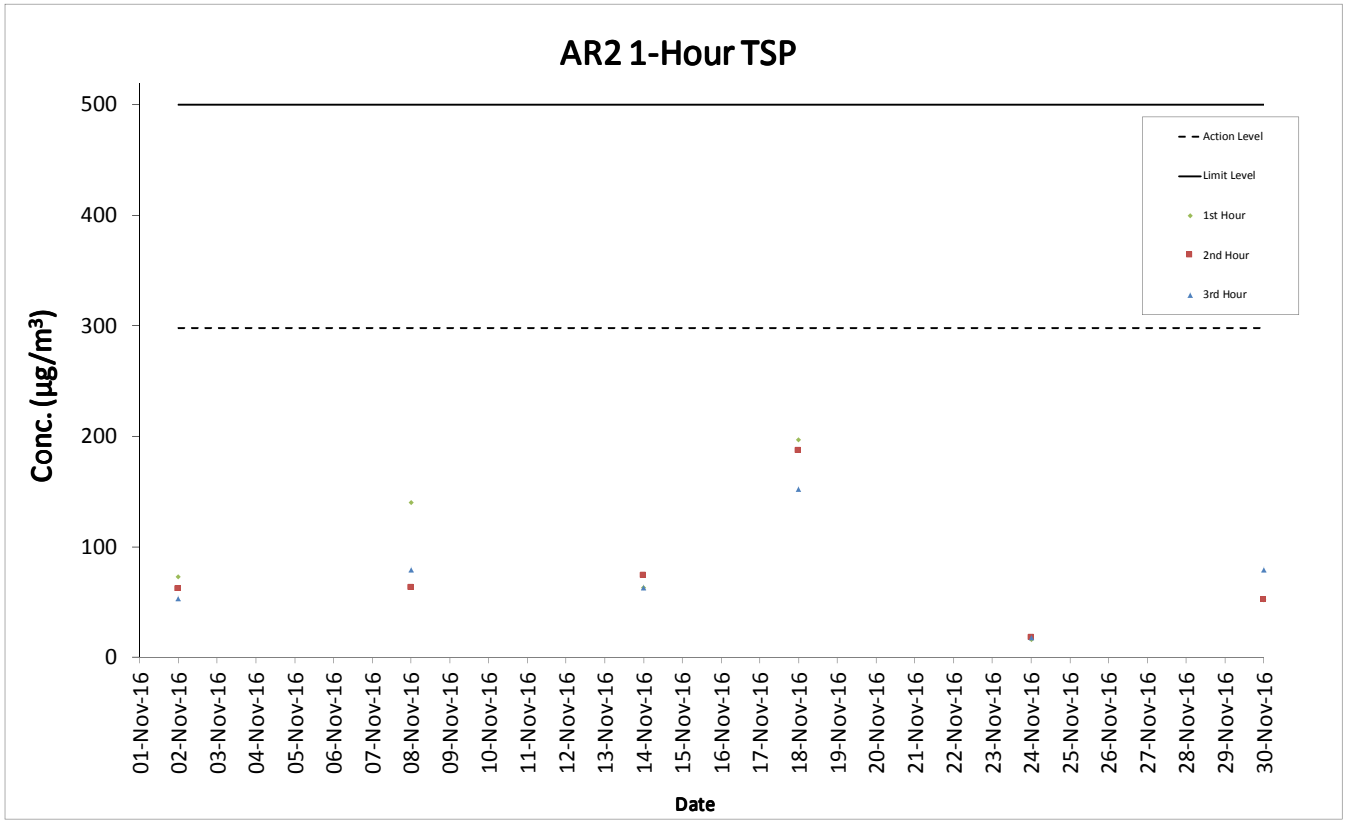
1-hour TSP Results
Station: AR1A- Man Tung Road Park

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP (μg/m^3)	Action Level (μg/m^3)	Limit Level (μg/m^3)
04-Nov-16	14:10	Sunny	2.7	298	57	306	500
04-Nov-16	15:10	Sunny	3.0	292	58	306	500
04-Nov-16	16:10	Sunny	2.2	288	52	306	500
10-Nov-16	13:01	Cloudy	5.9	352	89	306	500
10-Nov-16	14:01	Cloudy	5.8	356	95	306	500
10-Nov-16	15:01	Cloudy	4.9	11	110	306	500
16-Nov-16	08:43	Cloudy	7.8	109	237	306	500
16-Nov-16	09:43	Cloudy	7.8	109	190	306	500
16-Nov-16	10:43	Cloudy	6.8	105	160	306	500
22-Nov-16	08:51	Cloudy	3.7	56	54	306	500
22-Nov-16	09:51	Cloudy	3.9	73	46	306	500
22-Nov-16	10:51	Cloudy	3.7	67	32	306	500
28-Nov-16	09:00	Sunny	7.6	59	27	306	500
28-Nov-16	10:00	Sunny	6.5	58	30	306	500
28-Nov-16	11:00	Sunny	3.8	61	29	306	500

1-hour TSP Results
Station: AR2- Village House, Tin Sum

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP (μg/m^3)	Action Level (μg/m^3)	Limit Level (μg/m^3)
02-Nov-16	08:50	Sunny	4.4	26	73	298	500
02-Nov-16	09:50	Sunny	4.8	38	62	298	500
02-Nov-16	10:50	Sunny	5.0	37	53	298	500
08-Nov-16	9:04	Sunny	2.7	63	140	298	500
08-Nov-16	10:04	Sunny	2.5	43	63	298	500
08-Nov-16	11:04	Sunny	2.0	313	79	298	500
14-Nov-16	08:55	Fine	7.1	81	63	298	500
14-Nov-16	09:55	Fine	7.2	77	74	298	500
14-Nov-16	10:55	Fine	7.4	74	63	298	500
18-Nov-16	08:55	Fine	6.3	87	197	298	500
18-Nov-16	09:55	Fine	8.3	89	187	298	500
18-Nov-16	10:55	Fine	9.0	98	152	298	500
24-Nov-16	08:50	Fine	5.0	8	16	298	500
24-Nov-16	09:50	Fine	5.1	21	18	298	500
24-Nov-16	10:50	Fine	4.5	24	18	298	500
30-Nov-16	09:00	Fine	3.5	43	52	298	500
30-Nov-16	10:00	Fine	5.3	4	52	298	500
30-Nov-16	11:00	Fine	4.0	339	79	298	500


AR1A 1-Hour TSP
Conc. (µg/m³)
500
400
300
200
100
0
Action Level
Limit Level
1st Hour
2nd Hour
3rd Hour
01-Nov-16
02-Nov-16
03-Nov-16
04-Nov-16
05-Nov-16
06-Nov-16
07-Nov-16
08-Nov-16
09-Nov-16
10-Nov-16
11-Nov-16
12-Nov-16
13-Nov-16
14-Nov-16
15-Nov-16
16-Nov-16
17-Nov-16
18-Nov-16
19-Nov-16
20-Nov-16
21-Nov-16
22-Nov-16
23-Nov-16
24-Nov-16
25-Nov-16
26-Nov-16
27-Nov-16
28-Nov-16
29-Nov-16
30-Nov-16
Date


AR2 1-Hour TSP
Conc. (µg/m³)
500
400
300
200
100
0
Action Level
Limit Level
1st Hour
2nd Hour
3rd Hour
01-Nov-16
02-Nov-16
03-Nov-16
04-Nov-16
05-Nov-16
06-Nov-16
07-Nov-16
08-Nov-16
09-Nov-16
10-Nov-16
11-Nov-16
12-Nov-16
13-Nov-16
14-Nov-16
15-Nov-16
16-Nov-16
17-Nov-16
18-Nov-16
19-Nov-16
20-Nov-16
21-Nov-16
22-Nov-16
23-Nov-16
24-Nov-16
25-Nov-16
26-Nov-16
27-Nov-16
28-Nov-16
29-Nov-16
30-Nov-16
Date

Noise Monitoring Results

Noise Measurement Results
Station: NM1A- Man Tung Road Park

Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
10-Nov-16	Cloudy	13:25	68.0	56.5	71
10-Nov-16	Cloudy	13:30	70.5	60.0	
10-Nov-16	Cloudy	13:35	70.0	59.5	
10-Nov-16	Cloudy	13:40	69.5	58.5	
10-Nov-16	Cloudy	13:45	68.5	57.5	
10-Nov-16	Cloudy	13:50	68.0	57.5	
16-Nov-16	Cloudy	08:57	71.5	53.0	71
16-Nov-16	Cloudy	09:02	70.5	54.5	
16-Nov-16	Cloudy	09:07	70.5	54.5	
16-Nov-16	Cloudy	09:12	69.5	54.0	
16-Nov-16	Cloudy	09:17	70.0	54.5	
16-Nov-16	Cloudy	09:22	68.5	54.0	
22-Nov-16	Cloudy	09:23	71.5	53.0	71
22-Nov-16	Cloudy	09:28	71.5	54.5	
22-Nov-16	Cloudy	09:33	71.0	54.5	
22-Nov-16	Cloudy	09:38	70.0	54.0	
22-Nov-16	Cloudy	09:43	70.5	54.5	
22-Nov-16	Cloudy	09:48	70.0	54.0	
28-Nov-16	Sunny	09:15	74.5	58.0	72
28-Nov-16	Sunny	09:20	72.5	60.0	
28-Nov-16	Sunny	09:25	73.5	59.0	
28-Nov-16	Sunny	09:30	72.0	56.0	
28-Nov-16	Sunny	09:35	71.5	55.0	
28-Nov-16	Sunny	09:40	73.5	58.5	

Remarks:
+3dB (A) correction was applied to free-field measurement.

Noise Measurement Results
Station: NM3A- Site Office

Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
10-Nov-16	Cloudy	13:01	70.5	55.0	57
10-Nov-16	Cloudy	13:06	69.0	55.5	
10-Nov-16	Cloudy	13:11	68.0	56.0	
10-Nov-16	Cloudy	13:16	65.0	57.5	
10-Nov-16	Cloudy	13:21	64.0	56.5	
10-Nov-16	Cloudy	13:26	68.0	56.0	
16-Nov-16	Sunny	14:46	67.0	59.0	63
16-Nov-16	Sunny	14:51	66.0	59.0	
16-Nov-16	Sunny	14:56	64.5	59.0	
16-Nov-16	Sunny	15:01	67.5	59.0	
16-Nov-16	Sunny	15:06	66.0	59.5	
16-Nov-16	Sunny	15:11	66.5	59.0	
24-Nov-16	Fine	13:45	71.0	58.5	61
24-Nov-16	Fine	13:50	67.5	58.5	
24-Nov-16	Fine	13:55	67.0	57.5	
24-Nov-16	Fine	14:00	67.0	57.5	
24-Nov-16	Fine	14:05	67.0	57.5	
24-Nov-16	Fine	14:10	67.5	58.0	
28-Nov-16	Fine	09:30	68.0	54.5	61
28-Nov-16	Fine	09:35	68.0	54.0	
28-Nov-16	Fine	09:40	70.0	55.5	
28-Nov-16	Fine	09:45	68.5	55.5	
28-Nov-16	Fine	09:50	69.5	55.0	
28-Nov-16	Fine	09:55	70.0	55.5	

Noise Measurement Results
Station: NM4- Ching Chung Hau Po Won Primary School

Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
10-Nov-16	Cloudy	10:59	64.5	58.5	66
10-Nov-16	Cloudy	11:04	65.5	59.0	
10-Nov-16	Cloudy	11:09	65.0	60.0	
10-Nov-16	Cloudy	11:14	65.0	59.5	
10-Nov-16	Cloudy	11:19	64.5	59.0	
10-Nov-16	Cloudy	11:24	65.5	59.5	
16-Nov-16	Sunny	13:25	64.5	60.5	66
16-Nov-16	Sunny	13:30	65.0	59.5	
16-Nov-16	Sunny	13:35	65.5	60.0	
16-Nov-16	Sunny	13:40	64.0	59.5	
16-Nov-16	Sunny	13:45	63.5	60.0	
16-Nov-16	Sunny	13:50	64.5	59.5	
22-Nov-16	Cloudy	14:00	64.5	60.5	66
22-Nov-16	Cloudy	14:05	63.5	60.5	
22-Nov-16	Cloudy	14:10	64.0	60.0	
22-Nov-16	Cloudy	14:15	64.5	60.5	
22-Nov-16	Cloudy	14:20	66.0	60.0	
22-Nov-16	Cloudy	14:25	67.5	61.0	
30-Nov-16	Fine	13:30	68.5	62.5	64
30-Nov-16	Fine	13:35	68.0	61.5	
30-Nov-16	Fine	13:40	67.0	61.5	
30-Nov-16	Fine	13:45	67.0	62.0	
30-Nov-16	Fine	13:50	67.0	61.0	
30-Nov-16	Fine	13:55	65.5	61.5	

Remarks:
+3dB (A) correction was applied to free-field measurement.

Noise Measurement Results
Station: NM5- Village House, Tin Sum

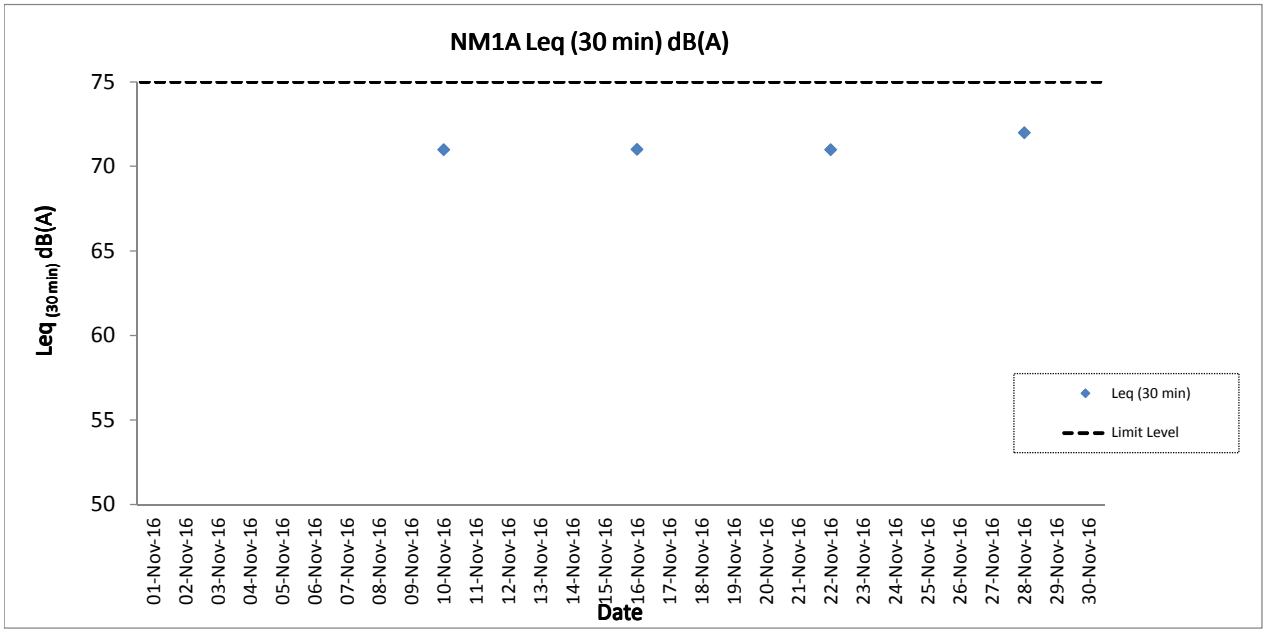
Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
02-Nov-16	Sunny	09:41	62.0	53.5	61
02-Nov-16	Sunny	09:46	61.5	53.5	
02-Nov-16	Sunny	09:51	61.5	54.0	
02-Nov-16	Sunny	09:56	63.0	52.0	
02-Nov-16	Sunny	10:01	61.0	52.0	
02-Nov-16	Sunny	10:06	62.0	53.5	
08-Nov-16	Sunny	09:43	54.5	47.0	55
08-Nov-16	Sunny	09:48	51.5	45.0	
08-Nov-16	Sunny	09:53	55.5	46.5	
08-Nov-16	Sunny	09:58	53.0	46.0	
08-Nov-16	Sunny	10:03	56.5	46.5	
08-Nov-16	Sunny	10:08	52.0	46.5	
14-Nov-16	Fine	09:09	52.5	44.0	53
14-Nov-16	Fine	09:14	59.5	44.5	
14-Nov-16	Fine	09:19	51.0	44.5	
14-Nov-16	Fine	09:24	53.0	48.5	
14-Nov-16	Fine	09:29	53.5	48.5	
14-Nov-16	Fine	09:34	54.5	47.0	
24-Nov-16	Fine	09:17	59.0	53.0	59
24-Nov-16	Fine	09:22	58.3	53.0	
24-Nov-16	Fine	09:27	58.5	54.5	
24-Nov-16	Fine	09:32	65.0	55.5	
24-Nov-16	Fine	09:37	61.0	53.0	
24-Nov-16	Fine	09:42	63.0	56.0	
30-Nov-16	Fine	09:08	62.0	54.0	59
30-Nov-16	Fine	09:13	63.0	54.5	
30-Nov-16	Fine	09:18	62.5	54.5	
30-Nov-16	Fine	09:23	61.5	53.5	
30-Nov-16	Fine	09:28	61.0	54.5	
30-Nov-16	Fine	09:33	61.5	52.5	

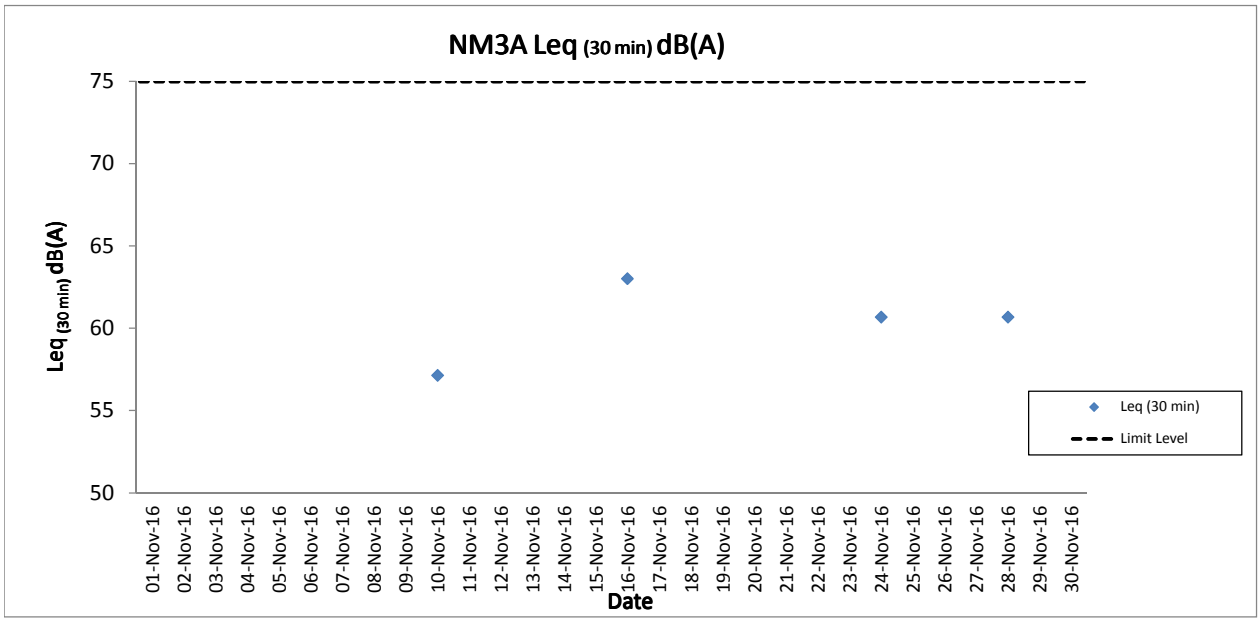
Remarks:
+3dB (A) correction was applied to free-field measurement.

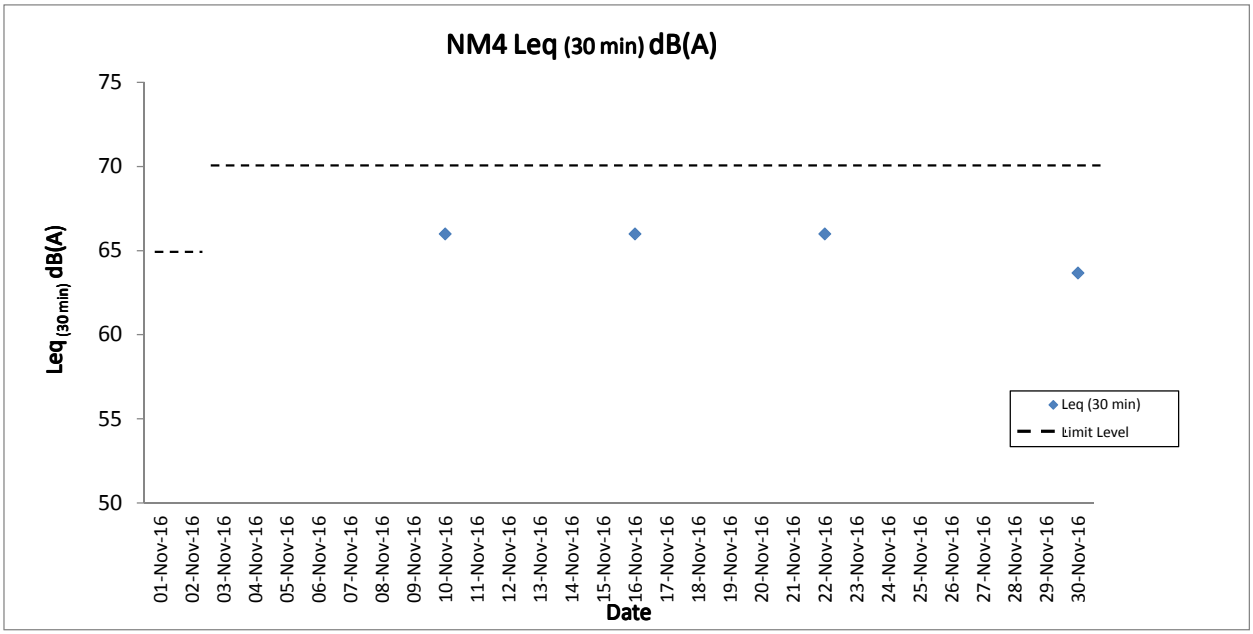
Noise Measurement Results
Station: NM6- House No.1 Sha Lo Wan

Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
03-Nov-16	Cloudy	09:41	69.0	58.5	70
03-Nov-16	Cloudy	09:46	78.0	57.5	
03-Nov-16	Cloudy	09:51	72.0	56.5	
03-Nov-16	Cloudy	09:56	70.5	55.5	
03-Nov-16	Cloudy	10:01	70.5	55.0	
03-Nov-16	Cloudy	10:06	70.5	55.0	
10-Nov-16	Cloudy	09:39	77.5	60.0	73
10-Nov-16	Cloudy	09:44	76.0	58.0	
10-Nov-16	Cloudy	09:49	74.0	54.5	
10-Nov-16	Cloudy	09:54	70.0	55.5	
10-Nov-16	Cloudy	09:59	73.5	59.0	
10-Nov-16	Cloudy	10:04	74.5	62.0	
15-Nov-16	Sunny	09:44	75.0	61.5	71
15-Nov-16	Sunny	09:49	75.5	60.0	
15-Nov-16	Sunny	09:54	73.5	52.5	
15-Nov-16	Sunny	09:59	64.2	50.5	
15-Nov-16	Sunny	10:04	74.0	51.5	
15-Nov-16	Sunny	10:09	75.0	54.0	
21-Nov-16	Sunny	09:38	69.5	57.0	68
21-Nov-16	Sunny	09:43	72.0	55.5	
21-Nov-16	Sunny	09:48	71.5	52.5	
21-Nov-16	Sunny	09:53	72.0	52.5	
21-Nov-16	Sunny	09:58	65.5	53.0	
21-Nov-16	Sunny	10:03	64.0	53.5	

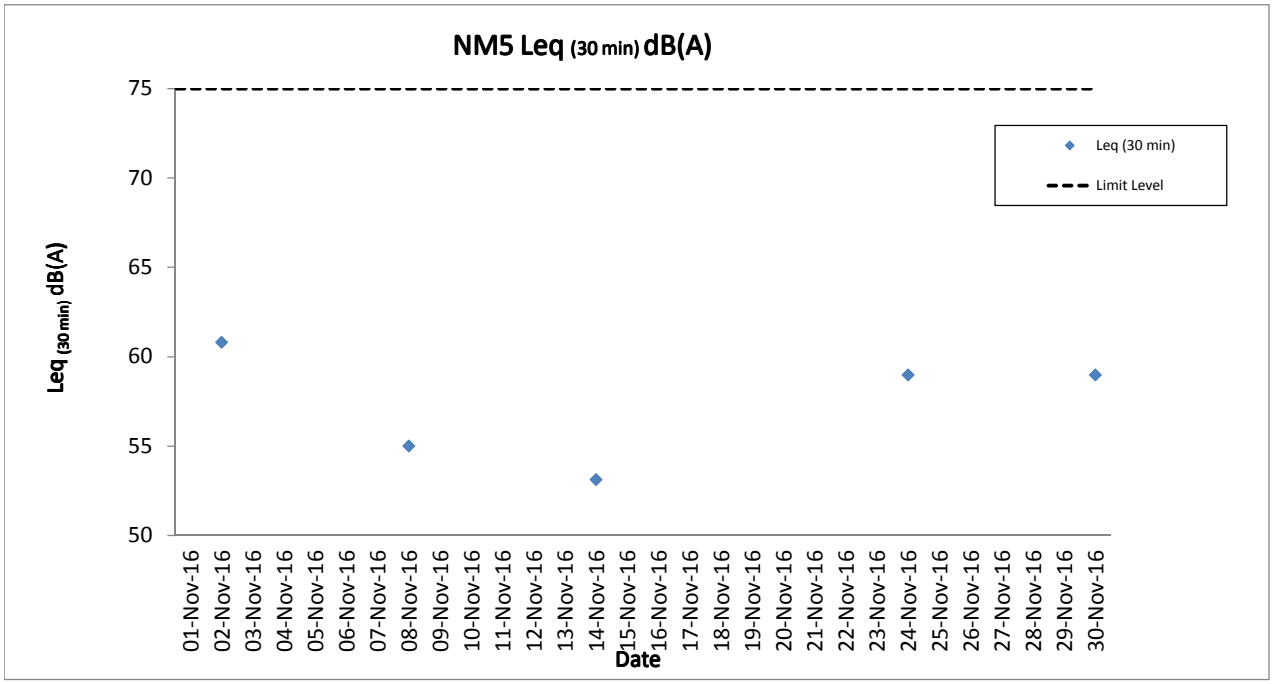
Remarks:
+3dB (A) correction was applied to free-field measurement.







Note: The examination period for NM4 was between 27 October and 2 November 2016.


NM5 Leq (30 min) dB(A)
Leq (30 min) dB(A)
75
70
65
60
55
50
Leq (30 min)
Limit Level
01-Nov-16
02-Nov-16
03-Nov-16
04-Nov-16
05-Nov-16
06-Nov-16
07-Nov-16
08-Nov-16
09-Nov-16
10-Nov-16
11-Nov-16
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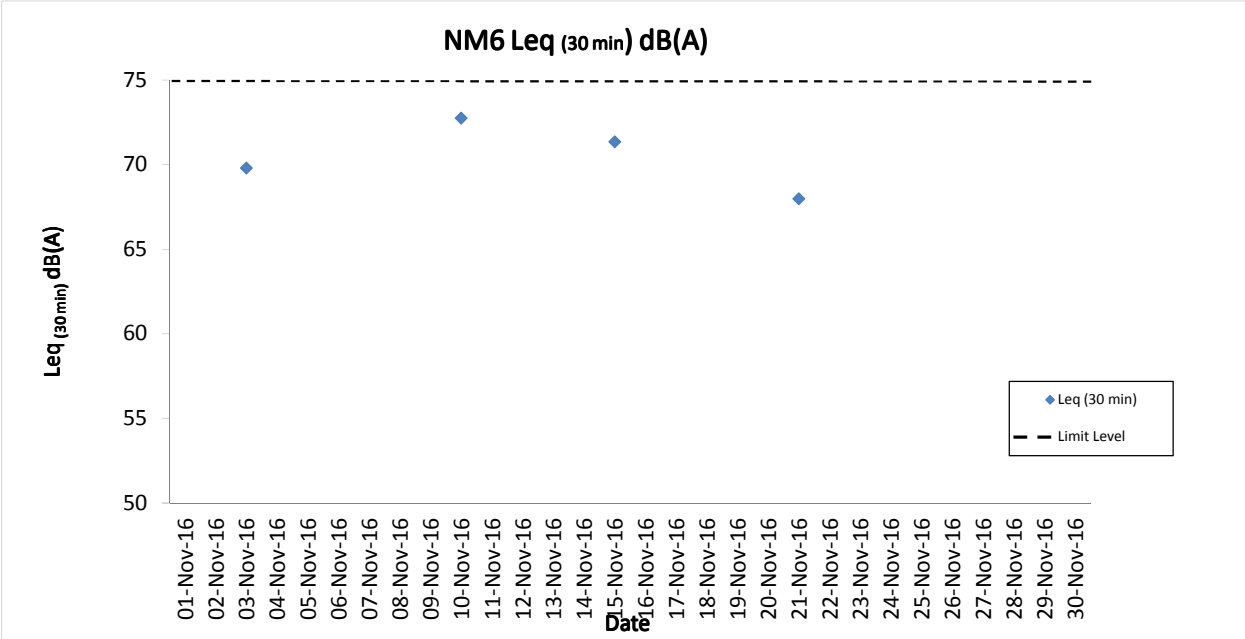
29-Nov-16
30-Nov-16
Date


NM6 Leq (30 min) dB(A)
Leq (30 min) dB(A)
75
70
65
60
55
50
Leq (30 min)
Limit Level
01-Nov-16
02-Nov-16
03-Nov-16
04-Nov-16
05-Nov-16
06-Nov-16
07-Nov-16
08-Nov-16
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22-Nov-16
23-Nov-16
24-Nov-16
25-Nov-16
26-Nov-16
27-Nov-16
28-Nov-16
29-Nov-16
30-Nov-16
Date

Water Quality Monitoring Results

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 01 November 16 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Rough	07:28	8.6	Surface	1.0	0.7	104	26.9	26.9	7.9	7.9	29.8	29.8	109.2	109.2	7.4	7.4	10.1	16.9	16	39	83	86	815601	804246	<0.2	<0.2	0.9	0.7
						1.0	0.7	107	26.9		7.9		29.8		109.1		7.4		10.1		15		83				<0.2		0.9	
					Middle	4.3	0.7	112	26.9	26.9	7.9	7.9	29.8	29.8	108.4	108.4	7.3		17.1		36		87				<0.2		0.6	
						4.3	0.7	121	26.9		7.9		29.8		108.4		7.3		17.1		40		86				<0.2		0.6	
					Bottom	7.6	0.9	114	27.0	27.0	7.9	7.9	29.8	29.8	108.0	108.1	7.3	7.3	23.6		64		87				<0.2		0.5	
						7.6	0.9	117	27.0		7.9		29.8		108.1		7.3		23.3		60		88				<0.2		0.5	
C2	Cloudy	Moderate	09:16	12.6	Surface	1.0	0.2	167	24.3	24.3	7.9	7.9	25.6	25.6	95.2	95.2	6.9	6.9	7.5	17.5	14	15	81	88	825663	806926	<0.2	<0.2	2.1	2.1
						1.0	0.3	167	24.3		7.9		25.6		95.2		6.9		7.6		14		83				<0.2		2.2	
					Middle	6.3	0.3	185	24.4	24.4	7.9	7.9	25.8	25.8	94.2	94.2	6.8		15.0		14		90				<0.2		2.0	
						6.3	0.3	186	24.4		7.9		25.8		94.2		6.8		15.1		16		90				<0.2		2.2	
					Bottom	11.6	0.5	168	24.5	24.5	7.8	7.8	26.2	26.2	95.7	95.7	6.9	6.9	29.9		16		92				<0.2		2.1	
						11.6	0.5	176	24.5		7.8		26.2		95.7		6.9		29.9		15		92				<0.2		2.0	
C3	Cloudy	Moderate	06:57	11.4	Surface	1.0	0.4	270	24.6	24.6	7.8	7.8	29.0	29.0	96.0	96.0	6.8	6.8	16.1	16.1	19	21	87	90	822090	817788	<0.2	<0.2	1.1	1.1
						1.0	0.4	296	24.6		7.8		29.0		96.0		6.8		16.0		18		86				<0.2		1.0	
					Middle	5.7	0.5	247	24.7	24.7	7.8	7.8	29.1	29.1	96.0	96.0	6.8		16.5		18		90				<0.2		1.0	
						5.7	0.5	267	24.7		7.8		29.1		96.0		6.8		16.5		17		91				<0.2		1.2	
					Bottom	10.4	0.5	258	24.7	24.7	7.8	7.8	29.3	29.3	96.9	96.9	6.8	6.8	15.7		25		92				<0.2		1.1	
						10.4	0.5	269	24.7		7.8		29.3		96.9		6.8		15.7		27		93				<0.2		0.9	
IM1	Fine	Rough	07:56	7.8	Surface	1.0	0.5	101	27.1	27.1	7.9	7.9	28.6	28.6	105.4	105.5	7.1	7.1	10.6	15.4	22	23	82	88	818338	806453	<0.2	<0.2	0.9	1.0
						1.0	0.5	103	27.1		7.9		28.6		105.5		7.1		10.7		23		84				<0.2		1.0	
					Middle	3.9	0.6	93	27.1	27.1	7.8	7.8	28.3	28.3	104.9	104.9	7.1		14.8		22		88				<0.2		0.9	
						3.9	0.6	94	27.1		7.8		28.3		104.9		7.1		15.1		22		89				<0.2		0.9	
					Bottom	6.8	0.6	95	27.1	27.1	7.7	7.7	27.7	27.7	105.4	105.4	7.2	7.2	21.2		24		91				<0.2		1.1	
						6.8	0.7	97	27.1		7.7		27.7		105.4		7.2		19.8		26		91				<0.2		1.0	
IM2	Fine	Rough	08:03	8.2	Surface	1.0	0.9	143	27.0	27.0	7.9	7.9	29.0	29.0	106.9	106.9	7.2	7.2	9.2	9.8	16	19	83	87	818861	806210	<0.2	<0.2	1.0	0.9
						1.0	1.0	151	27.0		7.9		29.0		106.9		7.2		9.3		14		84				<0.2		1.0	
					Middle	4.1	1.3	125	27.0	27.0	7.9	7.9	28.8	28.8	106.8	106.8	7.2		9.4		19		86				<0.2		1.0	
						4.1	1.3	128	27.0		7.9		28.8		106.8		7.2		9.4		20		87				<0.2		0.8	
					Bottom	7.2	1.4	149	27.0	27.0	7.8	7.8	28.5	28.5	106.9	106.9	7.3	7.3	10.7		20		89				<0.2		0.9	
						7.2	1.5	154	27.0		7.8		28.4		106.9		7.3		10.7		23		90				<0.2		0.9	
IM3	Fine	Rough	08:12	8.6	Surface	1.0	0.9	133	27.0	27.1	7.9	7.9	29.1	29.1	105.4	105.4	7.1	7.1	19.2	21.6	28	34	85	87	819407	806018	<0.2	<0.2	0.9	0.8
						1.0	0.9	146	27.1		7.9		29.1		105.4		7.1		18.8		28		85				<0.2		0.9	
					Middle	4.3	0.9	143	27.0	27.1	7.9	7.9	28.9	28.9	105.4	105.4	7.1		22.2		33		86				<0.2		0.8	
						4.3	0.9	156	27.1		7.9		28.9		105.4		7.1		22.2		33		87				<0.2		0.7	
					Bottom	7.6	0.8	146	27.1	27.1	7.8	7.8	28.4	28.4	105.9	105.9	7.2	7.2	23.9		40		89				<0.2		0.8	
						7.6	0.8	157	27.1		7.8		28.3		105.8		7.2		23.1		43		88				<0.2		0.8	
IM4	Fine	Rough	08:22	8.3	Surface	1.0	0.7	88	27.0	27.0	7.9	7.9	29.1	29.1	108.3	108.3	7.3	7.3	7.9	8.0	13	15	85	88	819558	805055	<0.2	<0.2	0.8	0.9
						1.0	0.7	95	27.0		7.9		29.1		108.3		7.3		7.7		13		86				<0.2		0.9	
					Middle	4.2	0.6	91	27.0	27.0	7.9	7.9	28.9	28.9	108.0	108.0	7.3		8.0		14		87				<0.2		1.0	
						4.2	0.7	98	27.0		7.9		28.8		107.9		7.3		7.8		16		88				<0.2		0.9	
					Bottom	7.3	0.8	96	27.0	27.0	7.8	7.8	28.4	28.4	107.7	107.7	7.3	7.3	8.4		15		90				<0.2		0.8	
						7.3	0.8	101	27.0		7.8		28.4		107.7		7.3		8.3		16		90				<0.2		0.8	
IM5	Fine	Rough	08:30	7.5	Surface	1.0	0.5	106	27.0	27.0	7.9	7.9	28.9	28.9	108.3	108.4	7.3	7.3	6.9	15.4	10	15	85	87	820560	804932	<0.2	<0.2	1.1	0.9
						1.0	0.6	109	27.0		7.9		28.9		108.4		7.3		6.9		10		85				<0.2		0.9	
					Middle	3.8	0.7	115	27.0	27.0	7.9	7.9	28.7	28.7	106.4	106.4	7.2		16.6		14		86				<0.2		0.8	
						3.8	0.7	118	27.0		7.9		28.6		106.3		7.2		16.6		12		87				<0.2		0.8	
					Bottom	6.5	0.8	89	27.1	27.1	7.8	7.8	28.4	28.4	106.9	106.9	7.3	7.3	23.1		22		88				<0.2		0.8	
						6.5	0.9	92	27.1		7.8		28.4		106.9		7.3		22.3		24		88				<0.2		0.9	
IM6	Fine	Rough	08:40	7.6	Surface	1.0	1.2	93	26.9	27.0	7.9	7.9	28.5	28.5	105.7	105.7	7.2	7.2	12.9	17.3	17	29	86	90	821076	805824	<0.2	<0.2	1.0	0.9
						1.0	1.2	94	27.0		7.9		28.4		105.7		7.2		12.9		17		86				<0.2		1.0	
					Middle	3.8	1.2	119	27.0	27.0	7.9	7.9	28.4	28.4	105.7	105.7	7.2		15.6		35		90				<0.2		1.0	
						3.8	1.3	125	27.0		7.9		28.4		105.7		7.2		15.7		35		91				<0.2		0.8	
					Bottom	6.6	0.6	81	27.0	27.0	7.8	7.8	28.1	28.1	105.9	105.9	7.2	7.2	23.3		36		92				<0.2		0.9	
						6.6	0.7	81	27.0		7.8		28.1		105.8		7.2		23.4		33		92				<0.2		0.9	
IM7	Fine	Rough	08:49	8.8	Surface	1.0	0.8	118	27.1	27.1	7.8	7.8	28.1	28.1	103.2	103.2	7.0	7.1	12.7	18.0	22	31	84	87	821365	806823	<0.2	<0.2	1.0	1.1
						1.0	0.9	123	27.1		7.8		28.1		103.2		7.0		12.9		20		84				<0.2		1.1	
					Middle	4.4	0.8	120	27.1	27.1	7.8	7.8	28.0	28.0	103.8	103.8	7.1		18.1		23		85				<0.2		1.2	
						4.4	0.9	121	27.1		7.8		28.0		103.8		7.1		18.4		22		87				<0.2		1.2	
					Bottom	7.8	0.8	116	27.2	27.2	7.8	7.8	28.1	28.1	105.0	105.1	7.1	7.1	23.0		49		89				<0.2		0.9	
						7.8	0.9	124	27.1		7.8		28.1		105.2		7.1		22.6		52		90				<0.2		0.9	
IM8	Cloudy	Moderate	08:35	8.3	Surface	1.0	0.5	119	24.3	24.3	7.9	7.9	27.9	27.9	99.6	99.6	7.1	7.1	11.6	14.7	13	18	82	88	821677	807822	<0.2	<0.2	1.1	1.2
						1.0	0.5	127	24.3		7.9		27.9		99.6		7.1		11.8		13		82				<0.2		1.3	
					Middle	4.2	0.5	94	24.3	24.3	7.9	7.9	27.9	27.9	99.2	99.2	7.1		12.7		12		90				<0.2		1.0	
						4.2	0.5	102	24.3		7.9		27.9		99.2		7.1		12.8		13		90				<0.2		1.3	
					Bottom	7.3	0.4	113	24.4	24.4	7.9	7.9	28.0	28.0	98.7	98.8	7.0	7.0	20.6		26		92				<0.2		1.2	
						7.3	0.5	114	24.4		7.9		28.0		98.8		7.0		18.6		28		92				<0.2		1.2	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 01 November 16 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	08:19	7.6	Surface	1.0	0.4	132	24.4	24.4	7.9	7.9	27.5	27.5	98.6	98.5	7.0	7.0	5.2	7.8	8	12	83	88	822077	808819	<0.2	<0.2	1.5	1.5
						1.0	0.5	142	24.4		7.9		27.5		98.3		7.0		5.4		8		83				<0.2		1.5	
					Middle	3.8	0.4	134	24.4	24.4	7.9	7.9	27.7	27.7	98.3	98.3	7.0		6.9		15		89				<0.2		1.4	
						3.8	0.4	140	24.4		7.9		27.7		98.3		7.0		7.4		13		90				<0.2		1.5	
					Bottom	6.6	0.4	155	24.4	24.4	7.9	7.9	27.9	27.9	99.7	99.7	7.1	7.1	11.0		14		91				<0.2		1.6	
						6.6	0.4	162	24.4		7.9		27.9		99.7		7.1		10.7		13		92				<0.2		1.5	
IM10	Cloudy	Moderate	08:11	8.8	Surface	1.0	0.4	223	24.4	24.4	7.9	7.9	27.8	27.8	100.7	100.7	7.2	7.2	11.8	14.9	19	23	84	89	822255	809856	<0.2	<0.2	1.2	1.2
						1.0	0.4	232	24.4		7.9		27.8		100.7		7.2		11.7		21		85				<0.2		1.2	
					Middle	4.4	0.3	228	24.4	24.4	7.9	7.9	27.8	27.8	100.3	100.3	7.2		12.9		23		90				<0.2		1.3	
						4.4	0.4	234	24.4		7.9		27.8		100.3		7.2		13.0		25		90				<0.2		1.3	
					Bottom	7.8	0.3	232	24.4	24.4	7.9	7.9	27.8	27.8	100.1	100.2	7.1	7.1	19.9		24		92				<0.2		1.2	
						7.8	0.3	236	24.4		7.9		27.8		100.2		7.1		19.8		24		92				<0.2		1.2	
IM11	Cloudy	Moderate	08:02	8.1	Surface	1.0	0.4	252	24.4	24.4	7.9	7.9	27.9	27.9	100.7	100.8	7.2	7.2	12.5	14.5	27	29	85	89	821515	810533	<0.2	<0.2	1.3	1.3
						1.0	0.4	254	24.4		7.9		27.9		100.8		7.2		12.4		27		85				<0.2		1.4	
					Middle	4.1	0.3	253	24.4	24.4	7.9	7.9	27.9	27.9	100.2	100.2	7.1		14.2		30		89				<0.2		1.2	
						4.1	0.4	265	24.4		7.9		27.9		100.1		7.1		15.0		30		90				<0.2		1.2	
					Bottom	7.1	0.3	258	24.4	24.4	7.9	7.9	28.0	28.0	100.1	100.1	7.1	7.1	16.5		28		92				<0.2		1.1	
						7.1	0.3	261	24.4		7.9		28.0		100.1		7.1		16.3		30		92				<0.2		1.3	
IM12	Cloudy	Moderate	07:50	9.2	Surface	1.0	0.4	244	24.4	24.4	7.9	7.9	28.1	28.1	101.3	101.4	7.2	7.2	11.4	25.2	36	35	86	89	821176	811507	<0.2	<0.2	1.3	1.2
						1.0	0.4	260	24.4		7.9		28.1		101.4		7.2		12.6		33		85				<0.2		1.4	
					Middle	4.6	0.4	252	24.5	24.5	7.9	7.9	27.8	27.8	99.7	99.7	7.1		35.8		35		90				<0.2		1.0	
						4.6	0.4	272	24.5		7.9		27.8		99.7		7.1		35.9		33		90				<0.2		1.2	
					Bottom	8.2	0.4	258	24.5	24.5	7.8	7.8	28.1	28.1	101.8	101.9	7.2	7.2	27.6		35		92				<0.2		1.3	
						8.2	0.4	260	24.5		7.8		28.1		101.9		7.2		27.6		36		92				<0.2		1.2	
SR2	Cloudy	Moderate	07:20	4.7	Surface	1.0	0.2	221	24.5	24.5	7.8	7.8	27.8	27.8	98.6	98.6	7.0	7.0	19.0	20.0	24	27	86	89	821473	814152	<0.2	<0.2	1.0	1.1
						1.0	0.2	226	24.5		7.8		27.8		98.6		7.0		19.0		24		86				<0.2		1.2	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.2	199	24.5	24.5	7.8	7.8	28.1	28.1	99.8	99.8	7.1	7.1	21.0		28		93				<0.2		1.0	
						3.7	0.2	212	24.5		7.8		28.1		99.8		7.1		21.0		31		92				<0.2		1.1	
SR3	Cloudy	Moderate	08:42	9.1	Surface	1.0	0.4	143	24.3	24.3	7.9	7.9	27.9	27.9	99.9	99.9	7.1	7.1	6.7	15.1	12	14	-	-	822156	807552	-	-	-	-
						1.0	0.4	146	24.3		7.9		27.9		99.9		7.1		6.7		14		-				-		-	
					Middle	4.6	0.4	146	24.3	24.3	7.9	7.9	28.0	28.0	99.6	99.6	7.1		9.5		14		-				-		-	
						4.6	0.4	156	24.3		7.9		28.0		99.6		7.1		9.5		14		-				-		-	
					Bottom	8.1	0.4	140	24.4	24.4	7.9	7.9	28.5	28.5	100.7	100.8	7.2	7.2	29.3		15		-				-		-	
						8.1	0.4	147	24.4		7.9		28.5		100.8		7.2		29.0		13		-				-		-	
SR4A	Fine	Calm	07:05	9.1	Surface	1.0	0.3	146	27.0	27.0	7.8	7.8	27.4	27.4	100.6	100.6	6.9	6.9	12.7	13.8	17	22	-	-	817175	807810	-	-	-	-
						1.0	0.3	150	27.0		7.8		27.3		100.6		6.9		12.5		15		-				-		-	
					Middle	4.6	0.3	132	27.0	27.0	7.8	7.8	27.3	27.3	101.1	101.1	6.9		13.9		18		-				-		-	
						4.6	0.4	133	27.0		7.8		27.3		101.1		6.9		14.0		21		-				-		-	
					Bottom	8.1	0.3	124	26.9	26.9	7.6	7.6	27.0	27.0	102.0	102.0	7.0	7.0	14.9		29		-				-		-	
						8.1	0.3	126	26.9		7.6		26.9		102.0		7.0		14.8		31		-				-		-	
SR5A	Fine	Calm	06:48	3.8	Surface	1.0	0.2	236	27.1	27.1	7.6	7.6	26.4	26.4	98.3	98.4	6.8	6.8	10.5	10.9	21	23	-	-	816582	810693	-	-	-	-
						1.0	0.2	244	27.1		7.6		26.4		98.4		6.8		10.6		19		-				-		-	
					Middle	1.9	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						1.9	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.1	246	27.1	27.1	7.5	7.5	25.7	25.7	100.8	100.9	6.9	6.9	11.2		24		-				-		-	
						2.8	0.2	257	27.1		7.5		25.7		100.9		6.9		11.3		26		-				-		-	
SR6	Fine	Calm	06:26	4.4	Surface	1.0	0.1	222	27.1	27.1	7.7	7.7	27.5	27.5	97.2	97.2	6.6	6.6	8.4	9.1	13	21	-	-	817903	814662	-	-	-	-
						1.0	0.1	229	27.1		7.7		27.5		97.2		6.6		8.5		13		-				-		-	
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.2	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.1	214	27.1	27.1	7.7	7.7	27.4	27.4	99.3	100.1	6.8	6.9	9.6		27		-				-		-	
						3.4	0.1	222	27.0		7.6		27.3		100.8		6.9		9.7		29		-				-		-	
SR7	Cloudy	Moderate	06:27	15.7	Surface	1.0	0.3	149	24.5	24.5	7.8	7.8	29.8	29.8	96.5	96.5	6.8	6.8	6.3	8.5	12	15	-	-	823637	823743	-	-	-	-
						1.0	0.3	162	24.5		7.8		29.8		96.5		6.8		6.4		13		-				-		-	
					Middle	7.9	0.2	126	24.6	24.6	7.8	7.8	30.1	30.1	95.7	95.7	6.7		9.2		15		-				-		-	
						7.9	0.2	133	24.6		7.8		30.1		95.7		6.7		9.3		17		-				-		-	
					Bottom	14.7	0.3	95	24.6	24.6	7.8	7.8	30.1	30.1	95.9	96.0	6.7	6.7	9.9		16		-				-		-	
						14.7	0.3	99	24.6		7.8		30.1		96.0		6.7		9.9		18		-				-		-	
SR8	Cloudy	Moderate	07:36	5.2	Surface	1.0	0.3	163	24.5	24.5	7.8	7.8	27.5	27.5	101.0	101.1	7.2	7.2	13.8	16.7	18	21	-	-	820418	811590	-	-	-	-
						1.0	0.3	172	24.5		7.8		27.5		101.1		7.2		13.8		19		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.2	169	24.5	24.5	7.8	7.8	27.8	27.8	101.0	101.0	7.2	7.2	19.7		22		-				-		-	
						4.2	0.2	180	24.5		7.8		27.8		101.0		7.2		19.6		24		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 01 November 16 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Rough	13:22	8.6	Surface	1.0	0.9	168	27.1	27.1	8.0	8.0	30.6	30.6	111.0	111.0	7.4	7.4	7.5	7.8	13	15	82	86	815614	804241	<0.2	<0.2	0.8	0.6
						1.0	1.0	171	27.1		8.0		30.6		111.0		7.4		7.6		14		83				<0.2		0.7	
					Middle	4.3	0.8	160	27.1	27.1	7.9	7.9	30.4	30.4	110.6	110.6	7.4		8.2		14		86				<0.2		0.6	
						4.3	0.8	171	27.1		7.9		30.4		110.6		7.4		8.2		16		87				<0.2		0.5	
					Bottom	7.6	0.9	174	27.0	27.0	7.8	7.8	29.8	29.8	109.7	109.7	7.4	7.4	7.7		17		89				<0.2		0.6	
						7.6	0.9	185	27.0		7.8		29.8		109.6		7.4		7.6		16		89				<0.2		0.6	
C2	Cloudy	Moderate	12:11	12.3	Surface	1.0	0.4	212	24.3	24.3	7.8	7.8	25.8	25.8	95.2	95.2	6.9	6.9	8.9	15.8	14	14	81	87	825667	806963	<0.2	<0.2	2.2	2.1
						1.0	0.4	214	24.3		7.8		25.8		95.2		6.9		8.9		14		81				<0.2		2.1	
					Middle	6.2	0.3	192	24.3	24.3	7.8	7.8	25.8	25.8	94.9	94.9	6.9		12.9		15		89				<0.2		2.2	
						6.2	0.3	195	24.3		7.8		25.8		94.9		6.9		13.1		14		90				<0.2		2.0	
					Bottom	11.3	0.3	196	24.4	24.4	7.8	7.8	26.2	26.2	94.8	94.9	6.8	6.8	25.7		14		92				<0.2		2.1	
						11.3	0.3	214	24.4		7.8		26.2		94.9		6.8		25.4		14		91				<0.2		2.0	
C3	Cloudy	Moderate	14:07	12.4	Surface	1.0	0.5	110	24.6	24.6	7.9	7.9	29.2	29.2	99.0	99.0	7.0	7.0	4.4	6.3	8	11	88	91	822111	817807	<0.2	<0.2	1.1	1.0
						1.0	0.5	113	24.6		7.9		29.2		99.0		7.0		4.4		10		88				<0.2		0.9	
					Middle	6.2	0.4	101	24.6	24.6	7.9	7.9	29.3	29.3	99.0	99.1	7.0		5.0		12		91				<0.2		1.0	
						6.2	0.4	104	24.6		7.9		29.3		99.1		7.0		5.0		12		91				<0.2		1.1	
					Bottom	11.4	0.4	93	24.6	24.6	7.9	7.9	29.5	29.5	99.8	99.8	7.0	7.0	9.6		12		93				<0.2		0.9	
						11.4	0.4	93	24.6		7.9		29.5		99.8		7.0		9.6		14		93				<0.2		0.9	
IM1	Fine	Rough	13:00	7.9	Surface	1.0	0.6	200	26.9	26.9	7.9	7.9	28.7	28.7	106.8	106.8	7.3	7.3	9.4	11.7	16	17	83	86	818346	806460	<0.2	<0.2	1.3	1.1
						1.0	0.6	207	26.9		7.9		28.7		106.8		7.3		9.5		17		84				<0.2		1.2	
					Middle	4.0	0.5	183	26.9	26.9	7.9	7.9	28.6	28.6	108.1	108.2	7.3		11.6		18		86				<0.2		1.3	
						4.0	0.6	195	26.9		7.9		28.6		108.2		7.3		11.8		18		87				<0.2		1.2	
					Bottom	6.9	0.7	147	26.9	26.9	7.8	7.8	29.6	29.6	107.9	107.9	7.3	7.3	14.0		17		88				<0.2		0.9	
						6.9	0.7	160	26.9		7.8		29.6		107.9		7.3		13.8		18		89				<0.2		0.9	
IM2	Fine	Rough	12:54	8.7	Surface	1.0	0.6	202	27.0	27.0	7.9	7.9	28.7	28.8	107.5	107.5	7.3	7.3	7.6	8.3	18	18	84	87	818865	806208	<0.2	<0.2	1.2	1.1
						1.0	0.7	221	27.0		7.9		28.8		107.5		7.3		7.7		16		85				<0.2		1.2	
					Middle	4.4	0.6	174	27.0	27.0	7.9	7.9	28.7	28.7	108.1	108.2	7.3		8.6		17		87				<0.2		1.2	
						4.4	0.6	188	27.0		7.9		28.7		108.2		7.3		8.7		17		86				<0.2		1.2	
					Bottom	7.7	0.6	144	26.9	27.0	7.8	7.8	29.6	29.6	108.0	108.0	7.3	7.3	8.7		20		90				<0.2		0.9	
						7.7	0.7	148	27.0		7.8		29.5		107.9		7.3		8.4		18		90				<0.2		0.9	
IM3	Fine	Rough	12:47	9.1	Surface	1.0	0.6	169	26.9	26.9	7.9	7.9	29.0	29.0	109.4	109.5	7.4	7.4	7.3	7.1	12	15	83	87	819413	806027	<0.2	<0.2	1.3	1.0
						1.0	0.6	183	26.9		7.9		29.0		109.5		7.4		7.3		14		84				<0.2		1.2	
					Middle	4.6	0.6	150	27.0	27.0	7.9	7.9	29.4	29.4	109.6	109.6	7.4		7.1		16		86				<0.2		1.0	
						4.6	0.6	162	27.0		7.9		29.4		109.6		7.4		7.2		14		87				<0.2		1.0	
					Bottom	8.1	0.7	141	26.9	26.9	7.9	7.9	29.6	29.6	108.8	108.9	7.3	7.4	6.9		15		90				<0.2		0.7	
						8.1	0.7	150	26.9		7.9		29.5		108.9		7.4		6.9		16		90				<0.2		0.8	
IM4	Fine	Rough	12:38	8.5	Surface	1.0	0.7	162	26.9	26.9	7.9	7.9	29.7	29.7	109.8	109.8	7.4	7.4	8.4	13.9	13	14	85	89	819588	805033	<0.2	<0.2	0.8	0.8
						1.0	0.7	174	26.9		7.9		29.7		109.8		7.4		8.5		11		86				<0.2		0.8	
					Middle	4.3	0.7	153	26.9	26.9	7.9	7.9	29.6	29.6	108.0	108.0	7.3		12.4		12		89				<0.2		0.8	
						4.3	0.7	161	26.9		7.9		29.6		107.9		7.3		12.7		14		90				<0.2		0.9	
					Bottom	7.5	0.6	135	27.0	27.0	7.9	7.9	29.9	29.9	107.8	107.9	7.3	7.3	21.0		16		91				<0.2		0.8	
						7.5	0.6	144	27.0		7.9		29.9		107.9		7.3		20.6		18		92				<0.2		0.9	
IM5	Fine	Rough	12:30	7.3	Surface	1.0	0.5	108	27.0	27.0	7.9	7.9	29.1	29.1	107.9	107.9	7.3	7.3	11.2	14.1	18	19	82	86	820568	804907	<0.2	<0.2	1.0	1.0
						1.0	0.6	112	27.0		7.9		29.1		107.9		7.3		11.2		18		83				<0.2		0.9	
					Middle	3.7	0.5	129	27.0	27.0	7.9	7.9	28.9	28.9	106.8	106.8	7.2		15.2		19		86				<0.2		1.0	
						3.7	0.5	139	27.0		7.9		28.9		106.8		7.2		15.2		18		87				<0.2		1.0	
					Bottom	6.3	0.5	126	27.0	27.0	7.8	7.8	28.4	28.4	107.6	107.6	7.3	7.3	16.0		18		90				<0.2		0.9	
						6.3	0.5	129	27.0		7.8		28.4		107.6		7.3		15.5		20		90				<0.2		0.9	
IM6	Fine	Rough	12:20	7.4	Surface	1.0	0.6	99	26.9	26.9	7.9	7.9	29.0	29.0	109.0	109.0	7.4	7.4	9.0	11.0	14	16	86	90	821048	805825	<0.2	<0.2	0.8	0.8
						1.0	0.6	103	26.9		7.9		29.0		109.0		7.4		9.1		12		87				<0.2		0.8	
					Middle	3.7	0.6	93	27.0	27.0	7.9	7.9	28.8	28.8	108.1	108.2	7.3		12.4		12		90				<0.2		0.9	
						3.7	0.7	102	26.9		7.9		28.8		108.2		7.3		12.7		12		90				<0.2		0.9	
					Bottom	6.4	0.7	94	26.9	27.0	7.8	7.8	28.4	28.4	108.4	108.4	7.4	7.4	11.7		23		92				<0.2		0.8	
						6.4	0.8	97	27.0		7.8		28.3		108.3		7.4		10.8		24		92				<0.2		0.7	
IM7	Fine	Rough	12:11	8.6	Surface	1.0	0.7	130	27.0	27.0	7.9	7.9	28.7	28.7	106.9	106.9	7.3	7.3	12.1	13.7	13	19	83	86	821367	806816	<0.2	<0.2	1.1	1.0
						1.0	0.7	130	27.0		7.8		28.7		106.9		7.3		12.0		14		84				<0.2		0.9	
					Middle	4.3	0.8	89	27.0	27.0	7.8	7.8	28.5	28.5	106.3	106.3	7.2		14.5		15		85				<0.2		1.0	
						4.3	0.8	91	27.0		7.8		28.5		106.3		7.2		14.7		15		86				<0.2		1.0	
					Bottom	7.6	0.6	90	27.0	27.0	7.7	7.7	27.9	27.9	107.2	107.2	7.3	7.3	14.5		28		89				<0.2		1.1	
						7.6	0.7	96	27.0		7.7		27.8		107.2		7.3		14.5		30		89				<0.2		0.9	
IM8	Cloudy	Moderate	12:53	8.6	Surface	1.0	0.4	107	24.3	24.3	7.9	7.9	27.6	27.6	106.6	106.6	7.6	7.7	6.4	12.2	9	12	82	88	821686	807855	<0.2	<0.2	1.4	1.3
						1.0	0.4	117	24.3		7.9		27.6		106.6		7.6		6.6		10		82				<0.2		1.3	
					Middle	4.3	0.4	106	24.2	24.2	8.0	8.0	28.2	28.2	107.5	107.5	7.7		9.3		10		90				<0.2		1.3	
						4.3	0.5	114	24.2		8.0		28.2		107.5		7.7		9.3		12		89				<0.2		1.4	
					Bottom	7.6	0.4	84	24.3	24.3	8.0	8.0	28.6	28.6	107.5	107.5	7.6	7.6	20.8		14		91				<0.2		1.1	
						7.6	0.4	85	24.3		8.0		28.6		107.5		7.6		20.8		16		91				<0.2		1.2	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 01 November 16 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	13:01	7.5	Surface	1.0	0.4	158	24.3	24.3	7.9	7.9	27.7	27.7	105.0	105.0	7.5	7.6	7.1	13.7	11	18	83	88	822079	808797	<0.2	<0.2	1.4	1.4
						1.0	0.4	168	24.3		7.9		27.7		105.0		7.5		7.1		12		82				<0.2		1.4	
					Middle	3.8	0.4	93	24.2	24.3	8.0	8.0	28.5	28.5	106.8	106.8	7.6		14.9		14		90				<0.2		1.5	
						3.8	0.4	98	24.3		8.0		28.5		106.8		7.6		15.0		13		90				<0.2		1.4	
					Bottom	6.5	0.4	86	24.2	24.2	8.0	8.0	28.6	28.6	106.9	106.9	7.6	7.6	19.0		30		91				<0.2		1.2	
						6.5	0.4	92	24.2		8.0		28.6		106.9		7.6		19.0		30		91				<0.2		1.2	
IM10	Cloudy	Moderate	13:08	7.6	Surface	1.0	0.4	116	24.4	24.4	7.9	7.9	27.6	27.6	102.6	102.6	7.3	7.3	6.4	7.6	10	14	83	88	822225	809819	<0.2	<0.2	1.6	1.3
						1.0	0.4	120	24.4		7.9		27.6		102.6		7.3		6.5		12		83				<0.2		1.7	
					Middle	3.8	0.4	118	24.4	24.4	7.9	7.9	27.7	27.7	102.4	102.4	7.3		7.3		13		90				<0.2		1.2	
						3.8	0.4	126	24.4		7.9		27.7		102.4		7.3		7.1		14		90				<0.2		1.2	
					Bottom	6.6	0.3	94	24.4	24.4	7.9	7.9	28.0	28.0	103.9	104.0	7.4	7.4	9.2		16		91				<0.2		1.2	
						6.6	0.4	96	24.4		7.9		28.0		104.0		7.4		9.2		17		92				<0.2		1.1	
IM11	Cloudy	Moderate	13:16	7.2	Surface	1.0	0.4	111	24.4	24.4	7.9	7.9	27.9	27.9	101.6	101.6	7.2	7.2	7.9	8.5	14	14	84	89	821508	810552	<0.2	<0.2	1.2	1.5
						1.0	0.4	116	24.4		7.9		27.9		101.5		7.2		7.9		12		84				<0.2		1.4	
					Middle	3.6	0.3	140	24.5	24.5	7.9	7.9	28.0	28.0	101.3	101.3	7.2		8.4		13		91				<0.2		1.2	
						3.6	0.3	147	24.5		7.9		28.0		101.3		7.2		8.4		14		91				<0.2		1.5	
					Bottom	6.2	0.3	151	24.5	24.5	7.9	7.9	28.1	28.1	102.3	102.3	7.3	7.3	9.1		14		92				<0.2		1.8	
						6.2	0.3	154	24.5		7.9		28.1		102.3		7.3		9.1		16		90				<0.2		1.7	
IM12	Cloudy	Moderate	13:23	9.3	Surface	1.0	0.4	126	24.5	24.5	7.9	7.9	27.8	27.8	101.0	101.0	7.2	7.2	6.6	10.4	16	17	84	89	821172	811515	<0.2	<0.2	1.5	1.5
						1.0	0.4	127	24.5		7.9		27.8		101.0		7.2		6.6		15		85				<0.2		1.4	
					Middle	4.7	0.4	123	24.5	24.5	7.9	7.9	27.9	27.9	100.1	100.1	7.1		10.3		17		90				<0.2		1.4	
						4.7	0.4	127	24.5		7.9		27.9		100.1		7.1		10.3		18		91				<0.2		1.5	
					Bottom	8.3	0.4	119	24.5	24.5	7.9	7.9	28.2	28.2	100.7	100.8	7.2	7.2	14.4		19		92				<0.2		1.5	
						8.3	0.4	126	24.5		7.9		28.2		100.8		7.2		14.4		18		92				<0.2		1.4	
SR2	Cloudy	Moderate	13:45	4.9	Surface	1.0	0.3	127	24.4	24.4	7.9	7.9	27.9	27.9	101.1	101.1	7.2	7.2	6.7	16.2	12	20	87	89	821463	814174	<0.2	<0.2	1.2	1.1
						1.0	0.3	135	24.4		7.9		27.9		101.1		7.2		6.8		12		86				<0.2		1.2	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.3	139	24.6	24.6	7.8	7.8	28.8	28.8	96.5	96.5	6.8	6.8	25.7		28		92				<0.2		0.9	
						3.9	0.3	145	24.6		7.8		28.8		96.5		6.8		25.6		26		89				<0.2		0.9	
SR3	Cloudy	Moderate	12:47	9.5	Surface	1.0	0.3	177	24.3	24.3	7.9	7.9	27.5	27.5	106.2	106.2	7.6	7.6	11.1	17.4	16	17	-	-	822157	807555	-	-	-	-
						1.0	0.3	188	24.3		7.9		27.5		106.2		7.6		11.0		16		-				-		-	
					Middle	4.8	0.2	138	24.2	24.3	8.0	8.0	27.8	27.8	106.7	106.7	7.6		10.9		16		-				-		-	
						4.8	0.3	142	24.3		8.0		27.8		106.7		7.6		11.1		17		-				-		-	
					Bottom	8.5	0.3	205	24.3	24.3	8.0	8.0	28.1	28.1	107.1	107.1	7.6	7.6	30.0		18		-				-		-	
						8.5	0.3	206	24.3		8.0		28.1		107.1		7.6		30.1		16		-				-		-	
SR4A	Fine	Calm	13:44	8.4	Surface	1.0	0.3	100	27.0	27.0	7.9	7.9	28.4	28.4	106.2	106.2	7.2	7.2	10.9	11.3	16	17	-	-	817172	807801	-	-	-	-
						1.0	0.4	108	27.0		7.9		28.4		106.2		7.2		10.8		17		-				-		-	
					Middle	4.2	0.3	115	27.0	27.0	7.9	7.9	28.4	28.4	106.2	106.2	7.2		11.8		17		-				-		-	
						4.2	0.4	115	27.0		7.9		28.4		106.2		7.2		11.9		17		-				-		-	
					Bottom	7.4	0.3	117	27.0	27.0	7.8	7.8	28.1	28.1	106.8	106.8	7.3	7.3	11.2		17		-				-		-	
						7.4	0.3	118	27.0		7.8		28.1		106.8		7.3		11.1		18		-				-		-	
SR5A	Fine	Calm	14:00	4.2	Surface	1.0	0.1	308	27.0	27.0	7.8	7.8	26.8	26.8	101.8	101.9	7.0	7.0	7.1	8.2	12	14	-	-	816601	810688	-	-	-	-
						1.0	0.1	338	27.0		7.8		26.8		101.9		7.0		7.2		10		-				-		-	
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.1	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	295	26.9	26.9	7.5	7.5	26.1	26.1	105.3	105.4	7.3	7.3	9.2		16		-				-		-	
						3.2	0.1	319	26.9		7.5		26.1		105.4		7.3		9.3		16		-				-		-	
SR6	Fine	Calm	14:24	4.5	Surface	1.0	0.2	94	27.1	27.1	7.8	7.8	26.9	26.9	100.9	100.8	6.9	6.9	7.2	8.2	9	12	-	-	817916	814675	-	-	-	-
						1.0	0.2	97	27.1		7.8		26.9		100.7		6.9		7.2		10		-				-		-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.2	92	27.1	27.1	7.8	7.8	26.9	26.9	98.1	98.2	6.7	6.7	9.2		13		-				-		-	
						3.5	0.2	100	27.1		7.8		26.9		98.2		6.7		9.2		15		-				-		-	
SR7	Cloudy	Moderate	14:37	20.8	Surface	1.0	0.4	94	24.6	24.6	7.9	7.9	29.5	29.5	96.6	96.6	6.8	6.8	4.4	5.0	9	9	-	-	823646	823737	-	-	-	-
						1.0	0.4	100	24.6		7.9		29.5		96.6		6.8		4.4		9		-				-		-	
					Middle	10.4	0.3	91	24.6	24.6	7.9	7.9	29.5	29.5	96.2	96.2	6.8		5.3		8		-				-		-	
						10.4	0.3	97	24.6		7.9		29.5		96.2		6.8		5.4		9		-				-		-	
					Bottom	19.8	0.3	80	24.6	24.6	7.9	7.9	29.6	29.6	96.0	96.1	6.8	6.8	5.1		9		-				-		-	
						19.8	0.3	87	24.6		7.9		29.6		96.1		6.8		5.1		11		-				-		-	
SR8	Cloudy	Moderate	13:29	5.4	Surface	1.0	0.3	158	24.4	24.4	7.9	7.9	28.0	28.0	102.2	102.2	7.3	7.3	11.0	12.3	19	19	-	-	820399	811579	-	-	-	-
						1.0	0.3	169	24.4		7.9		28.0		102.2		7.3		11.0		20		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.3	138	24.4	24.4	7.8	7.8	28.1	28.1	103.5	103.6	7.4	7.4	13.6		18		-				-		-	
						4.4	0.3	143	24.4		7.8		28.1		103.6		7.4		13.6		18		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 03 November 16 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Rough	08:47	8.8	Surface	1.0	0.9	126	26.0	26.0	7.8	7.8	31.0	31.0	103.9	103.9	7.1	7.1	17.9	22.6	6	14	85	90	815603	804233	<0.2	<0.2	1.3	1.0
						1.0	0.9	131	26.0		7.8		31.0		103.8		7.1		18.6		7		87				<0.2		1.2	
					Middle	4.4	0.9	116	26.0	26.0	7.8	7.8	30.9	30.9	103.5	103.6	7.0		24.5		14		90				<0.2		0.8	
						4.4	1.0	124	26.0		7.8		30.9		103.6		7.1		24.5		13		90				<0.2		0.8	
					Bottom	7.8	1.0	114	26.0	26.0	7.8	7.8	30.8	30.8	103.5	103.5	7.1	7.1	24.9		21		92				<0.2		0.9	
						7.8	1.0	114	26.0		7.8		30.8		103.5		7.1		25.1		22		93				<0.2		0.9	
C2	Cloudy	Moderate	10:17	12.2	Surface	1.0	0.3	199	23.4	23.4	7.9	7.9	28.0	28.0	100.1	100.1	7.3	7.3	5.9	8.7	5	9	83	90	825676	806929	<0.2	<0.2	1.6	1.6
						1.0	0.3	200	23.4		7.9		28.0		100.1		7.3		5.9		7		84				<0.2		1.6	
					Middle	6.1	0.4	212	23.6	23.6	7.9	7.9	28.4	28.5	100.0	100.0	7.2		8.4		9		92				<0.2		1.5	
						6.1	0.4	228	23.6		7.9		28.5		100.0		7.2		8.5		8		92				<0.2		1.6	
					Bottom	11.2	0.4	200	23.7	23.7	7.9	7.9	28.7	28.7	101.8	101.9	7.3	7.3	10.9		12		93				<0.2		1.5	
						11.2	0.4	209	23.7		7.9		28.7		101.9		7.3		12.4		12		93				<0.2		1.5	
C3	Cloudy	Moderate	08:18	12.3	Surface	1.0	0.5	267	23.8	23.8	7.9	7.9	30.6	30.6	97.9	97.9	6.9	6.9	6.4	10.7	8	9	88	92	822102	817784	<0.2	<0.2	1.0	1.0
						1.0	0.6	280	23.8		7.9		30.6		97.8		6.9		6.5		8		89				<0.2		1.0	
					Middle	6.2	0.5	273	24.0	24.0	7.9	7.9	31.0	31.0	97.6	97.6	6.9		12.3		9		94				<0.2		1.0	
						6.2	0.5	291	24.0		7.9		31.0		97.6		6.9		12.3		10		93				<0.2		1.1	
					Bottom	11.3	0.4	276	24.0	24.0	7.9	7.9	31.1	31.1	98.9	99.0	7.0	7.0	13.4		10		95				<0.2		0.9	
						11.3	0.4	297	24.0		7.9		31.1		99.0		7.0		13.3		10		94				<0.2		0.8	
IM1	Fine	Rough	09:09	7.6	Surface	1.0	0.7	144	26.0	26.0	7.7	7.7	29.7	29.7	105.9	105.9	7.3	7.3	7.0	11.8	8	8	88	91	818361	806441	<0.2	<0.2	0.8	1.0
						1.0	0.8	151	26.0		7.7		29.6		105.9		7.3		7.0		7		88				<0.2		1.1	
					Middle	3.8	0.7	130	26.1	26.1	7.7	7.7	29.5	29.5	104.7	104.7	7.2		12.9		7		90				<0.2		1.0	
						3.8	0.7	131	26.1		7.7		29.5		104.7		7.2		13.3		8		91				<0.2		1.0	
					Bottom	6.6	0.7	157	26.1	26.1	7.6	7.6	29.2	29.2	106.6	106.7	7.3	7.3	15.6		8		93				<0.2		1.1	
						6.6	0.8	169	26.1		7.6		29.1		106.7		7.3		15.2		8		93				<0.2		0.9	
IM2	Fine	Rough	09:21	8.6	Surface	1.0	0.7	124	26.1	26.1	7.8	7.8	30.2	30.2	106.7	106.7	7.3	7.3	5.9	7.2	6	7	89	90	818840	806178	<0.2	<0.2	0.9	1.7
						1.0	0.8	128	26.1		7.8		30.2		106.7		7.3		6.1		7		88				<0.2		1.0	
					Middle	4.3	0.8	121	26.1	26.1	7.7	7.7	30.1	30.1	106.0	106.0	7.2		7.3		8		89				<0.2		2.3	
						4.3	0.8	131	26.1		7.7		30.1		105.9		7.2		7.5		7		90				<0.2		2.4	
					Bottom	7.6	0.7	138	26.1	26.1	7.7	7.7	29.8	29.8	107.7	107.8	7.4	7.4	8.3		8		93				<0.2		1.7	
						7.6	0.7	148	26.1		7.6		29.8		107.8		7.4		7.9		8		93				<0.2		1.9	
IM3	Fine	Rough	09:35	9.0	Surface	1.0	0.6	93	26.1	26.1	7.8	7.8	30.3	30.3	108.2	108.2	7.4	7.4	5.4	6.7	7	15	86	88	819398	806035	<0.2	<0.2	1.6	1.5
						1.0	0.7	93	26.1		7.8		30.3		108.2		7.4		5.6		8		87				<0.2		1.7	
					Middle	4.5	0.6	116	26.1	26.1	7.8	7.8	30.2	30.2	107.6	107.6	7.3		7.9		15		88				<0.2		1.3	
						4.5	0.6	123	26.1		7.8		30.2		107.5		7.3		8.1		16		89				<0.2		1.5	
					Bottom	8.0	0.6	122	26.1	26.1	7.7	7.7	30.1	30.1	109.8	109.8	7.5	7.5	6.8		23		89				<0.2		1.3	
						8.0	0.6	127	26.1		7.7		30.1		109.8		7.5		6.3		21		90				<0.2		1.3	
IM4	Fine	Rough	09:52	8.3	Surface	1.0	0.7	127	26.1	26.1	7.8	7.8	29.8	29.8	108.9	108.9	7.5	7.5	3.9	5.2	7	15	87	90	819551	805029	<0.2	<0.2	1.8	1.6
						1.0	0.7	130	26.1		7.8		29.8		108.9		7.5		4.0		8		88				<0.2		1.7	
					Middle	4.2	0.7	121	26.1	26.1	7.7	7.7	29.7	29.7	108.0	108.0	7.4		5.1		18		91				<0.2		1.5	
						4.2	0.7	122	26.0		7.7		29.7		107.9		7.4		5.3		20		90				<0.2		1.3	
					Bottom	7.3	0.7	126	26.0	26.0	7.6	7.6	29.4	29.4	109.5	109.5	7.5	7.5	6.7		18		91				<0.2		1.6	
						7.3	0.7	137	26.0		7.6		29.3		109.5		7.5		5.9		19		92				<0.2		1.4	
IM5	Fine	Rough	09:59	7.1	Surface	1.0	0.7	117	26.1	26.1	7.8	7.8	29.9	29.9	106.7	106.7	7.3	7.3	8.4	16.2	5	8	86	89	820552	804939	<0.2	<0.2	1.1	1.6
						1.0	0.7	128	26.1		7.8		29.9		106.6		7.3		8.6		5		87				<0.2		1.2	
					Middle	3.6	0.7	107	26.1	26.1	7.8	7.8	29.8	29.8	106.0	106.0	7.3		14.3		6		88				<0.2		1.7	
						3.6	0.7	114	26.1		7.8		29.8		106.0		7.3		14.7		6		89				<0.2		1.4	
					Bottom	6.1	0.6	124	26.0	26.0	7.6	7.6	29.7	29.7	107.9	108.0	7.4	7.4	25.8		11		93				<0.2		2.0	
						6.1	0.6	125	26.0		7.6		29.7		108.0		7.4		25.2		13		92				<0.2		2.2	
IM6	Fine	Rough	10:07	7.3	Surface	1.0	0.8	119	26.1	26.1	7.8	7.8	29.8	29.8	105.2	105.2	7.2	7.2	6.5	7.0	6	7	87	91	821056	805815	<0.2	<0.2	1.5	1.5
						1.0	0.8	122	26.1		7.8		29.8		105.1		7.2		6.4		7		88				<0.2		1.6	
					Middle	3.7	0.8	118	26.2	26.2	7.8	7.8	29.6	29.7	105.0	105.0	7.2		6.8		6		91				<0.2		1.3	
						3.7	0.9	121	26.1		7.8		29.7		105.0		7.2		6.8		6		92				<0.2		1.4	
					Bottom	6.3	0.6	119	26.1	26.2	7.7	7.7	29.5	29.5	105.7	105.7	7.3	7.3	7.8		6		94				<0.2		1.6	
						6.3	0.7	119	26.2		7.7		29.4		105.7		7.3		7.7		8		94				<0.2		1.7	
IM7	Fine	Rough	10:15	8.7	Surface	1.0	0.6	88	26.1	26.1	7.8	7.8	29.4	29.4	103.8	103.9	7.1	7.2	10.9	15.0	7	14	86	89	821330	806852	<0.2	<0.2	1.7	1.6
						1.0	0.6	93	26.1		7.8		29.4		103.9		7.1		11.1		6		86				<0.2		1.5	
					Middle	4.4	0.7	96	26.1	26.1	7.7	7.7	29.2	29.2	105.1	105.2	7.2		15.5		15		89				<0.2		1.9	
						4.4	0.7	98	26.1		7.7		29.2		105.2		7.2		15.7		16		90				<0.2		1.6	
					Bottom	7.7	0.6	94	26.1	26.1	7.6	7.6	28.8	28.8	108.2	108.3	7.5	7.5	18.5		21		92				<0.2		1.4	
						7.7	0.6	97	26.1		7.5		28.8		108.3		7.5		18.2		19		92				<0.2		1.6	
IM8	Cloudy	Moderate	09:37	8.3	Surface	1.0	0.3	186	23.6	23.6	7.9	7.9	29.4	29.4	101.7	101.7	7.3	7.3	5.6	8.9	4	5	84	90	821684	807818	<0.2	<0.2	1.9	1.8
						1.0	0.4	186	23.6		7.9		29.4		101.7		7.3		5.7		5		83				<0.2		2.0	
					Middle	4.2	0.4	112	23.5	23.5	7.9	7.9	29.6	29.6	101.8	101.8	7.3		7.5		5		92				<0.2		1.8	
						4.2	0.4	118	23.5		7.9		29.6		101.8		7.3		7.5		3		91				<0.2		2.0	
					Bottom	7.3	0.4	111	23.3	23.3	7.9	7.9	30.1	30.1	102.5	102.5	7.4	7.4	13.4		8		93				<0.2		1.7	
						7.3	0.5	113	23.3		7.9		30.1		102.5		7.4		13.6		7		94				<0.2		1.4	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 03 November 16 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	09:28	7.8	Surface	1.0	0.4	222	23.4	23.4	8.0	8.0	30.0	30.0	104.1	104.2	7.5	7.5	8.8	11.2	9	9	85	90	822099	808828	<0.2	<0.2	1.9	1.9
						1.0	0.4	230	23.4		8.0		30.0		104.2		7.5		8.9		8		84				<0.2		2.0	
					Middle	3.9	0.4	234	23.4	23.4	8.0	8.0	30.0	30.0	103.8	103.9	7.5		10.7		8		92				<0.2		1.9	
						3.9	0.4	237	23.4		8.0		30.0		103.9		7.5		10.7		9		92				<0.2		1.8	
					Bottom	6.8	0.3	221	23.4	23.4	7.9	7.9	30.0	30.0	105.4	105.4	7.6	7.6	14.6		10		93				<0.2		1.8	
						6.8	0.3	234	23.4		7.9		30.0		105.4		7.6		13.2		8		92				<0.2		1.9	
IM10	Cloudy	Moderate	09:19	8.2	Surface	1.0	0.5	280	23.5	23.5	7.9	7.9	30.1	30.1	102.1	102.1	7.3	7.3	7.6	16.2	9	12	85	90	822223	809839	<0.2	<0.2	2.1	1.7
						1.0	0.5	303	23.5		7.9		30.1		102.1		7.3		7.7		10		85				<0.2		2.0	
					Middle	4.1	0.4	286	23.4	23.4	7.9	7.9	30.1	30.1	101.6	101.7	7.3		12.9		13		92				<0.2		1.7	
						4.1	0.4	305	23.4		7.9		30.1		101.7		7.3		13.1		14		91				<0.2		1.4	
					Bottom	7.2	0.3	257	23.5	23.5	7.9	7.9	30.2	30.2	102.9	102.9	7.4	7.4	27.8		13		93				<0.2		1.5	
						7.2	0.3	267	23.5		7.9		30.2		102.9		7.4		27.8		13		93				<0.2		1.6	
IM11	Cloudy	Moderate	09:11	8.3	Surface	1.0	0.5	256	23.4	23.4	7.9	7.9	30.1	30.1	101.6	101.6	7.3	7.3	7.7	10.1	9	10	86	91	821518	810562	<0.2	<0.2	1.8	1.8
						1.0	0.5	261	23.4		7.9		30.1		101.6		7.3		7.8		9		85				<0.2		1.7	
					Middle	4.2	0.5	274	23.4	23.4	7.9	7.9	30.1	30.1	101.3	101.3	7.3		8.9		10		92				<0.2		1.7	
						4.2	0.5	293	23.4		7.9		30.1		101.3		7.3		8.9		9		92				<0.2		1.8	
					Bottom	7.3	0.4	270	23.5	23.5	7.9	7.9	30.3	30.3	102.8	102.8	7.3	7.3	13.9		11		94				<0.2		1.9	
						7.3	0.4	292	23.5		7.9		30.3		102.8		7.3		13.6		12		94				<0.2		2.0	
IM12	Cloudy	Moderate	09:02	8.8	Surface	1.0	0.5	269	23.5	23.5	7.9	7.9	30.0	30.0	99.5	99.5	7.1	7.1	8.6	13.4	12	13	88	91	821146	811515	<0.2	<0.2	1.9	1.9
						1.0	0.5	270	23.5		7.9		30.0		99.5		7.1		8.7		13		87				<0.2		1.8	
					Middle	4.4	0.5	259	23.6	23.6	7.9	7.9	30.2	30.2	99.5	99.5	7.1		11.3		13		92				<0.2		2.0	
						4.4	0.5	280	23.6		7.9		30.2		99.5		7.1		11.3		12		91				<0.2		1.9	
					Bottom	7.8	0.4	257	23.6	23.6	7.9	7.9	30.3	30.4	101.3	101.6	7.2	7.3	19.7		13		94				<0.2		1.8	
						7.8	0.4	278	23.6		7.9		30.4		101.9		7.3		20.6		12		94				<0.2		1.9	
SR2	Cloudy	Moderate	08:40	4.8	Surface	1.0	0.3	194	23.6	23.6	7.9	7.9	30.5	30.5	99.7	99.7	7.1	7.1	9.8	10.5	13	14	88	91	821462	814158	<0.2	<0.2	1.8	1.7
						1.0	0.3	203	23.6		7.9		30.5		99.7		7.1		9.8		13		88				<0.2		1.7	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.3	189	23.6	23.6	7.9	7.9	30.7	30.7	102.0	102.1	7.3	7.3	11.3		15		93				<0.2		1.8	
						3.8	0.3	193	23.6		7.9		30.7		102.1		7.3		11.0		15		93				<0.2		1.6	
SR3	Cloudy	Moderate	09:43	9.3	Surface	1.0	0.4	196	23.6	23.6	7.9	7.9	29.4	29.4	101.0	101.0	7.2	7.3	6.5	15.9	6	6	-	-	822147	807575	-	-	-	-
						1.0	0.4	211	23.6		7.9		29.4		101.0		7.2		6.6		5		-				-		-	
					Middle	4.7	0.4	181	23.6	23.6	7.9	7.9	29.5	29.5	101.1	101.2	7.3		7.7		6		-				-		-	
						4.7	0.4	188	23.6		7.9		29.5		101.2		7.3		7.7		7		-				-		-	
					Bottom	8.3	0.5	165	23.4	23.4	7.9	7.9	30.0	30.0	102.1	102.1	7.3	7.3	33.4		5		-				-		-	
						8.3	0.5	170	23.4		7.9		30.0		102.1		7.3		33.3		7		-				-		-	
SR4A	Fine	Calm	08:24	9.1	Surface	1.0	0.4	183	25.8	25.8	7.8	7.8	29.0	29.1	98.2	98.2	6.8	6.8	9.9	12.0	16	17	-	-	817188	807791	-	-	-	-
						1.0	0.4	183	25.8		7.8		29.1		98.2		6.8		10.0		16		-				-		-	
					Middle	4.6	0.3	169	25.8	25.8	7.8	7.8	29.1	29.1	98.4	98.4	6.8		11.7		15		-				-		-	
						4.6	0.3	179	25.8		7.8		29.1		98.4		6.8		11.8		17		-				-		-	
					Bottom	8.1	0.4	162	25.8	25.8	7.7	7.7	29.3	29.3	99.8	99.9	6.9	6.9	14.4		20		-				-		-	
						8.1	0.4	173	25.8		7.7		29.3		99.9		6.9		14.4		19		-				-		-	
SR5A	Fine	Calm	08:06	4.3	Surface	1.0	0.2	277	25.9	25.9	7.6	7.6	28.1	28.1	99.0	99.1	6.9	6.9	7.7	7.9	11	16	-	-	816604	810685	-	-	-	-
						1.0	0.2	286	25.9		7.6		28.1		99.1		6.9		7.8		12		-				-		-	
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.2	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.2	279	25.9	25.9	7.4	7.4	27.8	27.8	102.3	102.4	7.1	7.1	8.0		19		-				-		-	
						3.3	0.2	283	25.9		7.4		27.8		102.5		7.1		8.1		20		-				-		-	
SR6	Fine	Calm	07:43	4.5	Surface	1.0	0.2	226	25.8	25.8	7.6	7.6	27.4	27.4	99.2	99.2	6.9	6.9	12.2	12.2	25	26	-	-	817880	814662	-	-	-	-
						1.0	0.2	234	25.8		7.5		27.4		99.2		6.9		12.0		26		-				-		-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.2	223	25.8	25.8	7.5	7.4	26.9	26.7	101.7	103.0	7.1	7.2	12.4		26		-				-		-	
						3.5	0.2	232	25.8		7.3		26.4		104.3		7.3		12.1		28		-				-		-	
SR7	Cloudy	Moderate	07:50	18.1	Surface	1.0	0.3	79	24.0	24.0	7.9	7.9	30.8	30.8	97.4	97.5	6.9	6.9	6.2	7.0	6	7	-	-	823652	823722	-	-	-	-
						1.0	0.3	79	24.0		7.9		30.8		97.5		6.9		6.3		6		-				-		-	
					Middle	9.1	0.3	102	24.0	24.0	7.9	7.9	30.9	30.9	96.9	96.9	6.8		7.4		6		-				-		-	
						9.1	0.3	102	24.0		7.9		30.9		96.9		6.8		7.5		8		-				-		-	
					Bottom	17.1	1.1	271	24.0	24.0	7.9	7.9	31.0	31.0	96.7	96.7	6.8	6.8	7.3		9		-				-		-	
						17.1	1.1	297	24.0		7.9		31.0		96.7		6.8		7.3		8		-				-		-	
SR8	Cloudy	Moderate	08:56	4.2	Surface	1.0	0.3	171	23.4	23.4	7.9	7.9	30.3	30.3	101.2	101.2	7.2	7.2	12.1	15.5	9	11	-	-	820404	811575	-	-	-	-
						1.0	0.3	179	23.4		7.9		30.3		101.2		7.2		12.1		10		-				-		-	
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.1	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.4	175	23.5	23.5	7.9	7.9	30.5	30.5	103.2	103.2	7.4	7.4	18.9		12		-				-		-	
						3.2	0.4	180	23.5		7.9		30.5		103.2		7.4		18.9		12		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 03 November 16 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Calm	14:27	8.9	Surface	1.0	0.5	145	26.5	26.5	7.9	7.9	30.9	30.9	105.4	105.4	7.1	7.1	6.8	7.2	9	10	87	90	815623	804234	<0.2	<0.2	0.6	0.6
						1.0	0.5	156	26.5		7.9		30.9		105.4		7.1		6.9		9		88				<0.2		0.6	
					Middle	4.5	0.5	163	26.5	26.5	7.9	7.9	30.7	30.8	105.7	105.8	7.1		7.1		9		89				<0.2		0.7	
						4.5	0.5	171	26.4		7.9		30.8		105.9		7.2		7.2		10		90				<0.2		0.6	
					Bottom	7.9	0.4	187	26.5	26.3	7.8	7.8	30.5	30.6	107.2	107.6	7.3	7.3	7.7		10		92				<0.2		0.5	
						7.9	0.5	203	26.1		7.8		30.7		107.9		7.3		7.7		11		92				<0.2		0.5	
C2	Cloudy	Moderate	13:24	12.3	Surface	1.0	0.3	165	23.6	23.6	7.9	7.9	31.1	31.1	100.4	100.4	7.1	7.1	5.9	8.0	4	5	83	89	825685	806964	<0.2	<0.2	1.8	1.6
						1.0	0.3	167	23.6		7.9		31.1		100.3		7.1		5.9		5		83				<0.2		1.7	
					Middle	6.2	0.2	129	23.6	23.6	7.9	7.9	31.3	31.3	99.8	99.8	7.1		9.1		6		91				<0.2		1.3	
						6.2	0.2	130	23.6		7.9		31.3		99.8		7.1		9.2		5		92				<0.2		1.6	
					Bottom	11.3	0.3	258	23.5	23.5	8.0	8.0	32.4	32.4	99.9	99.9	7.1	7.1	9.1		5		93				<0.2		1.6	
						11.3	0.3	261	23.5		8.0		32.3		99.8		7.1		8.8		7		93				<0.2		1.5	
C3	Cloudy	Moderate	15:11	12.7	Surface	1.0	0.5	94	24.1	24.1	8.0	8.0	31.0	31.0	100.5	100.5	7.1	7.1	4.4	5.5	7	7	89	92	822107	817818	<0.2	<0.2	0.9	0.9
						1.0	0.5	101	24.1		8.0		31.0		100.5		7.1		4.4		8		89				<0.2		0.9	
					Middle	6.4	0.5	96	24.2	24.2	8.0	8.0	31.3	31.3	100.0	100.0	7.0		4.5		8		93				<0.2		0.8	
						6.4	0.5	101	24.2		8.0		31.3		100.0		7.0		4.5		8		93				<0.2		0.7	
					Bottom	11.7	0.4	96	24.1	24.1	7.9	7.9	31.5	31.5	99.8	99.8	7.0	7.0	7.7		6		94				<0.2		0.9	
						11.7	0.4	104	24.1		7.9		31.5		99.8		7.0		7.7		7		95				<0.2		0.9	
IM1	Fine	Calm	14:04	7.9	Surface	1.0	0.3	194	26.3	26.3	7.9	7.9	30.3	30.3	107.5	107.6	7.3	7.3	6.0	6.7	9	9	87	90	818333	806450	<0.2	<0.2	0.9	1.0
						1.0	0.3	195	26.2		7.9		30.3		107.6		7.3		6.1		9		87				<0.2		0.9	
					Middle	4.0	0.3	153	26.3	26.3	7.9	7.9	30.4	30.4	107.2	107.3	7.3		6.9		8		89				<0.2		0.9	
						4.0	0.3	168	26.2		7.9		30.4		107.3		7.3		7.0		9		90				<0.2		0.9	
					Bottom	6.9	0.3	129	26.3	26.2	7.8	7.8	30.4	30.5	108.6	108.9	7.4	7.5	7.0		8		93				<0.2		1.1	
						6.9	0.3	138	26.0		7.8		30.6		109.2		7.5		7.0		9		93				<0.2		1.1	
IM2	Fine	Calm	13:58	9.1	Surface	1.0	0.5	157	26.4	26.2	7.9	7.9	30.9	31.0	107.4	107.7	7.3	7.3	5.8	6.0	8	8	88	91	818868	806209	<0.2	<0.2	0.8	0.6
						1.0	0.5	167	26.0		7.9		31.1		108.0		7.3		5.9		8		88				<0.2		0.7	
					Middle	4.6	0.6	145	26.0	26.2	7.9	7.9	31.0	30.9	107.4	107.2	7.3		6.3		8		90				<0.2		0.6	
						4.6	0.6	157	26.3		7.9		30.8		107.0		7.3		6.2		8		91				<0.2		0.5	
					Bottom	8.1	0.5	126	26.0	26.2	7.8	7.8	31.0	30.9	109.0	108.8	7.4	7.4	5.9		9		93				<0.2		0.6	
						8.1	0.6	129	26.4		7.8		30.7		108.5		7.4		5.8		8		93				<0.2		0.6	
IM3	Fine	Calm	13:51	8.9	Surface	1.0	0.6	136	26.2	26.3	7.9	7.9	30.9	30.9	106.7	106.7	7.2	7.2	8.3	9.5	10	12	86	89	819412	806023	<0.2	<0.2	0.7	0.7
						1.0	0.6	138	26.3		7.9		30.9		106.6		7.2		8.2		11		87				<0.2		0.7	
					Middle	4.5	0.5	153	26.3	26.3	7.9	7.9	30.8	30.8	106.6	106.6	7.2		9.6		11		87				<0.2		0.6	
						4.5	0.6	156	26.2		7.9		30.8		106.6		7.2		9.7		11		87				<0.2		0.6	
					Bottom	7.9	0.5	159	26.2	26.2	7.8	7.8	30.7	30.7	107.6	107.6	7.3	7.3	10.6		14		92				<0.2		0.6	
						7.9	0.6	167	26.2		7.8		30.7		107.6		7.3		10.6		15		93				<0.2		0.7	
IM4	Fine	Calm	13:44	8.4	Surface	1.0	0.6	174	26.5	26.5	7.9	7.9	30.8	30.8	106.9	106.9	7.2	7.2	7.8	10.5	8	10	84	88	819588	805042	<0.2	<0.2	0.6	0.7
						1.0	0.6	180	26.5		7.9		30.8		106.9		7.2		7.9		7		85				<0.2		0.7	
					Middle	4.2	0.5	165	26.1	26.3	7.9	7.9	31.0	30.9	107.0	106.7	7.3		11.5		9		89				<0.2		0.8	
						4.2	0.6	174	26.4		7.9		30.8		106.4		7.2		11.6		10		88				<0.2		0.8	
					Bottom	7.4	0.5	179	26.4	26.3	7.8	7.8	30.6	30.7	108.4	108.6	7.3	7.4	12.1		11		90				<0.2		0.6	
						7.4	0.6	187	26.2		7.8		30.7		108.7		7.4		11.8		13		91				<0.2		0.7	
IM5	Fine	Calm	13:36	7.5	Surface	1.0	0.5	153	26.4	26.4	7.9	7.9	30.9	30.9	107.8	107.8	7.3	7.3	6.4	11.9	9	13	89	90	820550	804934	<0.2	<0.2	0.8	0.8
						1.0	0.5	161	26.4		7.9		30.9		107.8		7.3		6.5		10		88				<0.2		0.8	
					Middle	3.8	0.6	138	26.4	26.4	7.9	7.9	30.9	30.9	106.6	106.6	7.2		11.9		10		89				<0.2		0.7	
						3.8	0.6	140	26.4		7.9		30.9		106.6		7.2		12.2		12		90				<0.2		0.7	
					Bottom	6.5	0.5	154	26.2	26.3	7.8	7.8	30.9	30.9	108.5	108.5	7.4	7.4	17.3		16		93				<0.2		1.0	
						6.5	0.5	161	26.3		7.8		30.8		108.4		7.3		17.3		18		93				<0.2		0.8	
IM6	Fine	Calm	13:27	7.2	Surface	1.0	0.5	116	26.4	26.4	7.9	7.9	30.1	30.1	107.9	108.0	7.3	7.3	6.1	11.3	10	14	86	90	821071	805831	<0.2	<0.2	0.9	1.0
						1.0	0.6	118	26.3		7.8		30.1		108.1		7.4		6.3		10		87				<0.2		0.9	
					Middle	3.6	0.4	138	26.0	26.2	7.8	7.8	30.3	30.2	106.7	106.4	7.3		13.0		14		91				<0.2		1.0	
						3.6	0.5	140	26.4		7.8		30.0		106.1		7.2		13.2		14		91				<0.2		0.9	
					Bottom	6.2	0.4	122	26.4	26.3	7.7	7.7	29.9	30.0	108.3	108.5	7.4	7.4	14.8		17		92				<0.2		1.1	
						6.2	0.4	126	26.2		7.7		30.0		108.7		7.4		14.6		18		92				<0.2		1.0	
IM7	Fine	Calm	13:18	8.6	Surface	1.0	0.5	106	26.2	26.2	7.8	7.8	30.2	30.2	103.7	103.7	7.1	7.1	12.7	12.5	8	10	87	91	821350	806830	<0.2	<0.2	1.0	1.0
						1.0	0.6	107	26.2		7.8		30.2		103.7		7.1		12.9		8		87				<0.2		1.1	
					Middle	4.3	0.5	103	26.2	26.2	7.8	7.8	30.1	30.1	104.2	104.2	7.1		15.4		11		91				<0.2		1.0	
						4.3	0.5	113	26.2		7.8		30.1		104.2		7.1		14.9		9		92				<0.2		1.0	
					Bottom	7.6	0.5	110	26.2	26.2	7.6	7.6	30.0	30.0	107.3	107.4	7.3	7.3	9.7		13		93				<0.2		1.0	
						7.6	0.5	119	26.2		7.6		30.0		107.5		7.3		9.6		13		93				<0.2		1.0	
IM8	Cloudy	Moderate	14:00	8.4	Surface	1.0	0.5	109	23.4	23.4	8.0	8.0	31.3	31.3	109.2	109.2	7.8	7.8	5.9	6.3	9	9	83	90	821698	807822	<0.2	<0.2	0.9	1.0
						1.0	0.5	111	23.4		8.0		31.3		109.2		7.8		5.9		9		84				<0.2		0.9	
					Middle	4.2	0.4	92	23.4	23.4	8.0	8.0	31.7	31.7	109.8	109.8	7.8		6.2		8		92				<0.2		0.9	
						4.2	0.4	97	23.4		8.0		31.7		109.8		7.8		6.3		9		92				<0.2		1.0	
					Bottom	7.4	0.4	81	23.4	23.4	8.0	8.0	32.0	32.0	109.8	109.8	7.8	7.8	6.8		8		93				<0.2		1.1	
						7.4	0.4	85	23.4		8.0		32.0		109.8		7.8		6.8		8		93				<0.2		1.1	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 03 November 16 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	14:07	7.4	Surface	1.0	0.4	99	23.5	23.5	8.0	8.0	30.8	30.8	108.7	108.7	7.7	7.7	3.9	7.6	6	7	84	90	822074	808813	<0.2	<0.2	1.0	1.0
						1.0	0.5	103	23.5		8.0		30.8		108.7		7.7		3.7		7		84				<0.2		0.9	
					Middle	3.7	0.4	98	23.5	23.5	8.0	8.0	31.0	31.0	108.5	108.5	7.7		7.3		6		93				<0.2		1.2	
						3.7	0.4	98	23.5		8.0		31.0		108.5		7.7		7.4		6		92				<0.2		1.0	
					Bottom	6.4	0.4	106	23.4	23.4	8.0	8.0	31.3	31.3	108.9	109.0	7.8	7.8	11.5		7		93				<0.2		1.0	
						6.4	0.4	108	23.4		8.0		31.3		109.0		7.8		11.5		8		94				<0.2		1.1	
IM10	Cloudy	Moderate	14:16	7.8	Surface	1.0	0.4	117	24.0	24.0	8.0	8.0	30.5	30.5	102.5	102.5	7.3	7.3	4.6	5.1	6	7	85	90	822220	809824	<0.2	<0.2	1.1	1.1
						1.0	0.4	125	24.0		8.0		30.5		102.4		7.3		4.7		6		84				<0.2		1.1	
					Middle	3.9	0.4	113	23.7	23.7	8.0	8.0	30.6	30.6	101.1	101.1	7.2		4.6		8		93				<0.2		1.1	
						3.9	0.4	116	23.7		8.0		30.6		101.1		7.2		4.7		7		92				<0.2		1.2	
					Bottom	6.8	0.4	127	23.7	23.7	7.9	7.9	30.7	30.7	100.8	100.8	7.2	7.2	5.9		8		94				<0.2		1.1	
						6.8	0.4	139	23.7		7.9		30.7		100.8		7.2		5.9		9		93				<0.2		1.0	
IM11	Cloudy	Moderate	14:23	8.5	Surface	1.0	0.4	131	24.0	24.0	8.0	8.0	30.4	30.4	102.0	102.1	7.2	7.2	5.0	7.4	8	8	85	91	821500	810537	<0.2	<0.2	1.1	1.3
						1.0	0.4	138	24.0		8.0		30.4		102.1		7.2		5.0		8		86				<0.2		1.3	
					Middle	4.3	0.4	105	23.7	23.7	7.9	7.9	30.5	30.5	101.1	101.1	7.2		7.5		7		93				<0.2		1.3	
						4.3	0.4	107	23.7		7.9		30.5		101.1		7.2		7.5		8		93				<0.2		1.2	
					Bottom	7.5	0.3	117	23.6	23.6	7.9	7.9	30.5	30.5	102.9	103.0	7.3	7.3	9.7		8		94				<0.2		1.4	
						7.5	0.3	126	23.6		7.9		30.5		103.0		7.3		9.7		8		94				<0.2		1.2	
IM12	Cloudy	Moderate	14:30	9.5	Surface	1.0	0.4	94	23.9	23.9	8.0	8.0	30.3	30.3	101.0	101.0	7.2	7.1	5.3	7.6	7	7	86	91	821172	811535	<0.2	<0.2	1.3	1.1
						1.0	0.4	97	23.9		8.0		30.3		101.0		7.2		5.4		5		86				<0.2		1.1	
					Middle	4.8	0.4	109	23.7	23.7	7.9	7.9	30.6	30.6	98.9	98.9	7.0		7.6		8		93				<0.2		1.0	
						4.8	0.4	117	23.7		7.9		30.6		98.9		7.0		7.7		9		93				<0.2		1.1	
					Bottom	8.5	0.3	119	23.8	23.8	7.9	7.9	30.8	30.8	99.4	99.5	7.1	7.1	9.9		8		94				<0.2		1.0	
						8.5	0.3	123	23.8		7.9		30.8		99.5		7.1		9.9		7		94				<0.2		1.1	
SR2	Cloudy	Moderate	14:51	5.3	Surface	1.0	0.4	97	23.9	23.9	7.9	7.9	30.3	30.3	100.9	100.9	7.2	7.2	5.5	6.4	7	9	86	90	821479	814174	<0.2	<0.2	1.1	1.1
						1.0	0.4	105	23.9		7.9		30.3		100.9		7.2		5.4		9		87				<0.2		1.2	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.4	110	23.9	23.9	7.9	7.9	30.6	30.6	102.2	102.3	7.2	7.3	7.3		10		94				<0.2		1.0	
						4.3	0.5	120	23.9		7.9		30.6		102.4		7.3		7.3		8		94				<0.2		1.0	
SR3	Cloudy	Moderate	13:54	9.2	Surface	1.0	0.4	130	23.4	23.4	8.0	8.0	31.4	31.4	106.1	106.1	7.5	7.5	10.4	15.3	11	12	-	-	822148	807586	-	-	-	-
						1.0	0.4	136	23.4		8.0		31.4		106.1		7.5		10.5		11		-				-		-	
					Middle	4.6	0.3	107	23.4	23.4	8.0	8.0	31.6	31.6	105.3	105.3	7.5		14.1		12		-				-		-	
						4.6	0.4	111	23.4		8.0		31.6		105.3		7.5		14.2		13		-				-		-	
					Bottom	8.2	0.4	88	23.3	23.3	8.0	8.0	32.0	32.0	105.5	105.5	7.5	7.5	21.3		12		-				-		-	
						8.2	0.4	94	23.3		8.0		32.0		105.5		7.5		21.2		14		-				-		-	
SR4A	Fine	Calm	14:48	8.3	Surface	1.0	0.4	97	26.1	26.1	7.9	7.9	30.7	30.7	108.3	108.3	7.4	7.4	6.0	6.2	12	14	-	-	817174	807819	-	-	-	-
						1.0	0.4	98	26.1		7.9		30.6		108.3		7.4		5.8		12		-				-		-	
					Middle	4.2	0.4	81	26.1	26.1	7.8	7.8	30.6	30.6	107.7	107.7	7.3		4.2		15		-				-		-	
						4.2	0.4	88	26.1		7.8		30.6		107.6		7.3		4.1		13		-				-		-	
					Bottom	7.3	0.4	92	26.1	26.2	7.8	7.8	30.0	30.0	107.9	107.9	7.4	7.4	8.7		16		-				-		-	
						7.3	0.4	93	26.2		7.8		29.9		107.9		7.4		8.6		18		-				-		-	
SR5A	Fine	Calm	15:05	5.1	Surface	1.0	0.3	173	26.6	26.6	7.7	7.7	28.0	28.0	104.0	104.0	7.1	7.1	5.1	5.4	7	10	-	-	816593	810681	-	-	-	-
						1.0	0.3	180	26.6		7.7		28.0		104.0		7.1		5.1		7		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.3	153	26.1	26.2	7.5	7.5	27.6	27.6	106.4	106.5	7.4	7.4	5.8		13		-				-		-	
						4.1	0.3	161	26.2		7.5		27.6		106.6		7.4		5.7		11		-				-		-	
SR6	Fine	Calm	15:26	4.8	Surface	1.0	0.2	75	26.3	26.3	7.7	7.7	28.6	28.6	101.6	101.6	7.0	7.0	8.0	8.6	10	16	-	-	817894	814647	-	-	-	-
						1.0	0.2	79	26.3		7.7		28.6		101.6		7.0		8.0		9		-				-		-	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	84	26.1	26.1	7.5	7.5	28.8	28.8	105.4	105.5	7.3	7.3	9.2		22		-				-		-	
						3.8	0.1	86	26.1		7.5		28.8		105.6		7.3		9.2		21		-				-		-	
SR7	Cloudy	Moderate	15:40	17.6	Surface	1.0	0.4	95	24.0	24.0	7.9	7.9	31.2	31.2	99.9	99.9	7.0	7.0	4.1	4.4	6	8	-	-	823625	823760	-	-	-	-
						1.0	0.4	101	24.0		7.9		31.2		99.9		7.0		4.1		6		-				-		-	
					Middle	8.8	0.3	85	24.0	24.0	7.9	7.9	31.4	31.4	99.6	99.7	7.0		4.6		8		-				-		-	
						8.8	0.3	87	24.0		7.9		31.4		99.7		7.0		4.7		8		-				-		-	
					Bottom	16.6	0.3	97	24.0	24.0	7.9	7.9	31.5	31.5	100.6	100.6	7.1	7.1	4.6		12		-				-		-	
						16.6	0.3	97	24.0		7.9		31.5		100.6		7.1		4.4		10		-				-		-	
SR8	Cloudy	Moderate	14:37	5.4	Surface	1.0	0.3	221	23.7	23.7	8.0	8.0	30.2	30.2	103.7	103.7	7.4	7.4	9.3	10.8	10	14	-	-	820418	811605	-	-	-	-
						1.0	0.3	223	23.6		8.0		30.2		103.7		7.4		9.4		11		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.3	204	23.6	23.6	7.9	7.9	30.2	30.2	106.1	106.2	7.6	7.6	12.2		16		-				-		-	
						4.4	0.3	206	23.6		7.9		30.2		106.2		7.6		12.2		18		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 05 November 16 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Calm	10:25	8.6	Surface	1.0	0.5	85	25.9	25.9	8.0	8.0	30.0	30.0	102.5	102.5	7.0	7.0	6.8	13.7	9	22	84	87	815603	804262	<0.2	<0.2	0.9	0.8
						1.0	0.6	91	25.9		8.0		30.0		102.5		7.0		6.8		10		85				<0.2		0.9	
					Middle	4.3	0.4	87	25.8	25.8	8.0	8.0	30.3	30.3	101.7	101.7	7.0		13.5		20		86				<0.2		0.8	
						4.3	0.5	94	25.8		8.0		30.3		101.7		7.0		13.8		20		87				<0.2		0.8	
					Bottom	7.6	0.4	99	25.7	25.8	8.0	8.0	30.7	30.7	102.6	102.6	7.0	7.0	20.6		36		90				<0.2		0.8	
						7.6	0.4	106	25.8		8.0		30.7		102.6		7.0		20.4		38		91				<0.2		0.8	
C2	Fine	Moderate	11:49	12.3	Surface	1.0	0.5	276	23.4	23.4	7.9	7.9	27.9	27.9	98.5	98.5	7.2	7.1	5.9	10.2	6	8	83	89	825683	806943	<0.2	<0.2	2.3	2.0
						1.0	0.5	296	23.4		7.9		27.9		98.5		7.2		5.9		4		83				<0.2		2.2	
					Middle	6.2	0.4	276	23.3	23.3	7.9	7.9	29.3	29.3	97.2	97.2	7.0		10.9		7		91				<0.2		2.1	
						6.2	0.5	299	23.3		7.9		29.3		97.2		7.0		11.0		9		91				<0.2		2.1	
					Bottom	11.3	0.4	269	23.4	23.4	7.9	7.9	29.7	29.7	97.6	97.6	7.0	7.0	13.7		9		93				<0.2		1.7	
						11.3	0.4	275	23.4		7.9		29.7		97.6		7.0		13.7		10		93				<0.2		1.8	
C3	Fine	Moderate	09:53	11.6	Surface	1.0	0.3	104	23.6	23.6	7.9	7.9	31.4	31.4	97.8	97.8	6.9	6.9	5.4	10.6	11	11	87	91	822119	817806	<0.2	<0.2	0.9	1.0
						1.0	0.3	114	23.6		7.9		31.4		97.8		6.9		5.4		11		88				<0.2		1.0	
					Middle	5.8	0.2	169	23.6	23.6	7.9	7.9	31.4	31.5	96.5	96.5	6.8		9.8		11		93				<0.2		1.0	
						5.8	0.2	181	23.6		7.9		31.5		96.5		6.8		9.9		13		93				<0.2		1.0	
					Bottom	10.6	0.3	261	23.6	23.6	7.9	7.9	31.5	31.6	96.2	96.2	6.8	6.8	16.6		10		94				<0.2		1.0	
						10.6	0.3	268	23.6		7.9		31.6		96.2		6.8		16.6		11		93				<0.2		1.1	
IM1	Fine	Calm	10:45	7.3	Surface	1.0	0.5	154	26.2	26.2	8.0	8.0	29.4	29.4	102.9	102.9	7.0	7.0	4.3	10.2	6	17	84	88	818351	806451	<0.2	<0.2	1.2	1.1
						1.0	0.5	164	26.2		8.0		29.4		102.9		7.0		4.3		8		84				<0.2		1.2	
					Middle	3.7	0.5	146	26.0	26.0	8.0	8.0	30.4	30.4	101.2	101.2	6.9		11.5		11		87				<0.2		1.0	
						3.7	0.5	150	26.0		8.0		30.4		101.1		6.9		11.8		13		88				<0.2		1.1	
					Bottom	6.3	0.5	180	26.1	26.1	8.0	8.0	30.6	30.6	102.0	102.1	6.9	7.0	14.7		32		91				<0.2		1.0	
						6.3	0.5	189	26.0		8.0		30.6		102.1		7.0		14.6		34		91				<0.2		1.2	
IM2	Fine	Calm	10:52	8.2	Surface	1.0	0.5	70	26.2	26.2	8.0	8.0	29.1	29.1	101.8	101.8	7.0	7.0	5.9	12.4	7	16	84	88	818865	806188	<0.2	<0.2	1.9	1.2
						1.0	0.5	72	26.2		8.0		29.1		101.8		7.0		6.1		5		85				<0.2		1.7	
					Middle	4.1	0.4	128	25.9	25.9	8.0	8.0	30.6	30.6	100.6	100.6	6.9		14.7		13		88				<0.2		1.0	
						4.1	0.5	131	25.9		8.0		30.6		100.6		6.9		14.8		15		89				<0.2		0.9	
					Bottom	7.2	0.4	144	25.9	25.9	8.0	8.0	30.6	30.6	101.7	101.7	6.9	6.9	16.4		27		91				<0.2		0.9	
						7.2	0.4	157	25.9		8.0		30.6		101.7		6.9		16.3		28		91				<0.2		0.9	
IM3	Fine	Calm	10:59	8.5	Surface	1.0	0.5	79	26.2	26.2	8.0	8.0	29.0	29.0	101.2	101.2	6.9	6.9	5.9	9.7	5	13	85	88	819394	806015	<0.2	<0.2	1.4	1.2
						1.0	0.5	80	26.2		8.0		29.0		101.2		6.9		6.1		4		85				<0.2		1.2	
					Middle	4.3	0.4	112	26.0	25.9	8.0	8.0	30.1	30.3	100.4	100.7	6.9		10.3		16		87				<0.2		1.1	
						4.3	0.4	115	25.7		8.0		30.4		100.9		6.9		10.4		14		88				<0.2		1.2	
					Bottom	7.5	0.4	130	26.0	25.9	8.0	8.0	30.1	30.3	101.1	101.4	6.9	7.0	12.7		20		91				<0.2		1.1	
						7.5	0.4	137	25.7		8.0		30.4		101.6		7.0		12.8		19		93				<0.2		1.0	
IM4	Fine	Calm	11:08	7.9	Surface	1.0	0.6	115	26.1	26.1	8.0	8.0	29.3	29.3	102.8	102.8	7.0	7.0	5.5	10.7	8	17	83	87	819577	805041	<0.2	<0.2	1.6	1.3
						1.0	0.6	126	26.1		8.0		29.3		102.7		7.0		5.7		9		84				<0.2		1.5	
					Middle	4.0	0.6	129	25.9	25.9	8.0	8.0	30.2	30.2	101.5	101.6	7.0		11.5		8		87				<0.2		1.3	
						4.0	0.6	131	25.9		8.0		30.2		101.6		7.0		11.7		7		88				<0.2		1.2	
					Bottom	6.9	0.5	120	26.0	25.8	8.0	8.0	30.3	30.4	102.4	102.7	7.0	7.1	15.0		34		91				<0.2		1.1	
						6.9	0.6	128	25.6		8.0		30.5		103.0		7.1		14.7		37		91				<0.2		1.1	
IM5	Fine	Calm	11:16	6.9	Surface	1.0	0.5	117	26.4	26.4	8.0	8.0	28.8	28.8	101.5	101.5	6.9	6.9	7.2	14.4	6	24	84	88	820565	804918	<0.2	<0.2	1.6	1.5
						1.0	0.5	117	26.4		8.0		28.8		101.5		6.9		7.4		8		85				<0.2		1.6	
					Middle	3.5	0.4	121	25.9	25.9	8.0	8.0	29.8	29.8	100.1	100.2	6.9		17.6		22		87				<0.2		1.4	
						3.5	0.5	124	25.9		8.0		29.8		100.2		6.9		17.7		21		88				<0.2		1.4	
					Bottom	5.9	0.4	104	26.0	25.9	8.0	8.0	29.7	29.8	101.7	102.0	7.0	7.0	18.3		42		90				<0.2		1.4	
						5.9	0.4	108	25.7		8.0		29.9		102.2		7.0		17.9		43		91				<0.2		1.4	
IM6	Fine	Calm	11:24	7.0	Surface	1.0	0.4	118	26.3	26.3	8.0	8.0	28.9	28.9	101.4	101.4	7.0	6.9	6.7	12.5	6	14	84	88	821067	805814	<0.2	<0.2	1.7	1.6
						1.0	0.4	118	26.2		8.0		28.9		101.4		7.0		6.9		7		85				<0.2		1.8	
					Middle	3.5	0.4	121	26.1	26.1	8.0	8.0	29.2	29.3	99.6	99.6	6.8		14.2		7		88				<0.2		1.5	
						3.5	0.4	131	26.1		8.0		29.3		99.6		6.8		14.8		9		89				<0.2		1.6	
					Bottom	6.0	0.3	134	26.0	26.0	8.0	8.0	29.7	29.7	100.5	100.6	6.9	6.9	16.3		27		91				<0.2		1.4	
						6.0	0.4	143	26.0		8.0		29.7		100.6		6.9		16.1		28		92				<0.2		1.4	
IM7	Fine	Calm	11:32	8.3	Surface	1.0	0.3	147	26.3	26.3	7.9	7.9	27.5	27.5	101.2	101.2	7.0	7.0	2.8	5.3	4	9	88	91	821364	806847	<0.2	<0.2	1.8	1.7
						1.0	0.4	150	26.3		7.9		27.5		101.2		7.0		2.9		4		87				<0.2		1.6	
					Middle	4.2	0.4	137	26.1	26.1	7.9	7.9	28.6	28.6	100.6	100.6	6.9		4.5		5		93				<0.2		1.8	
						4.2	0.4	143	26.1		7.9		28.5		100.6		6.9		4.5		5		92				<0.2		1.9	
					Bottom	7.3	0.4	120	25.8	25.8	8.0	8.0	30.2	30.2	101.5	101.6	7.0	7.0	8.5		18		93				<0.2		1.5	
						7.3	0.4	130	25.8		8.0		30.1		101.6		7.0		8.4		16		93				<0.2		1.6	
IM8	Fine	Moderate	11:12	8.2	Surface	1.0	0.3	164	23.3	23.3	7.9	7.9	28.1	28.1	101.2	101.2	7.4	7.4	4.0	7.0	7	7	83	89	821677	807821	<0.2	<0.2	1.6	1.3
						1.0	0.3	171	23.3		7.9		28.1		101.2		7.4		4.1		8		84				<0.2		1.5	
					Middle	4.1	0.4	75	23.2	23.2	7.9	7.9	28.7	28.7	100.9	100.9	7.3		5.7		7		91				<0.2		1.1	
						4.1	0.5	82	23.2		7.9		28.7		100.8		7.3		5.7		6		91				<0.2		1.1	
					Bottom	7.2	0.3	126	23.1	23.1	7.9	7.9	30.0	30.0	100.6	100.6	7.3	7.3	11.5		7		93				<0.2		1.3	
						7.2	0.3	132	23.1		7.9		30.0		100.6		7.3		11.2		7		93				<0.2		1.3	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 05 November 16 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	11:02	7.2	Surface	1.0	0.3	178	23.2	23.2	7.9	7.9	29.6	29.6	100.4	100.4	7.2	7.2	7.2	10.2	8	15	84	90	822088	808821	<0.2	<0.2	1.3	1.2
						1.0	0.4	190	23.2		7.9		29.6		100.4		7.2		7.3		7		84				<0.2		1.4	
					Middle	3.6	0.3	252	23.2	23.2	7.9	7.9	29.8	29.8	100.4	100.4	7.2		9.1		9		92				<0.2		1.3	
						3.6	0.4	277	23.2		7.9		29.8		100.4		7.2		9.2		11		91				<0.2		1.2	
					Bottom	6.2	0.3	255	23.2	23.2	7.9	7.9	30.1	30.1	100.6	100.7	7.2	7.2	14.4		30		93				<0.2		1.0	
						6.2	0.3	263	23.2		7.9		30.1		100.7		7.2		13.8		26		93				<0.2		1.0	
IM10	Fine	Moderate	10:55	8.2	Surface	1.0	0.4	250	23.5	23.5	8.0	8.0	30.6	30.6	102.7	102.7	7.3	7.3	5.9	8.6	8	9	85	90	822226	809827	<0.2	<0.2	1.2	1.5
						1.0	0.4	269	23.5		8.0		30.6		102.7		7.3		5.9		6		84				<0.2		1.2	
					Middle	4.1	0.4	269	23.2	23.2	8.0	8.0	30.7	30.7	101.7	101.7	7.3		7.9		9		92				<0.2		1.6	
						4.1	0.4	276	23.2		8.0		30.7		101.7		7.3		8.0		11		91				<0.2		1.6	
					Bottom	7.2	0.3	265	23.2	23.2	8.0	8.0	30.7	30.7	101.4	101.4	7.3	7.3	11.8		9		93				<0.2		1.7	
						7.2	0.4	271	23.2		8.0		30.7		101.4		7.3		11.8		9		93				<0.2		1.8	
IM11	Fine	Moderate	10:46	7.9	Surface	1.0	0.3	252	23.3	23.3	8.0	8.0	30.7	30.7	102.0	102.0	7.3	7.3	8.3	10.6	9	12	86	90	821509	810527	<0.2	<0.2	1.2	1.2
						1.0	0.3	276	23.3		8.0		30.7		102.0		7.3		8.5		8		86				<0.2		1.1	
					Middle	4.0	0.3	254	23.2	23.2	8.0	8.0	30.7	30.7	101.5	101.5	7.3		9.7		15		92				<0.2		1.5	
						4.0	0.3	261	23.2		8.0		30.7		101.5		7.3		9.8		15		91				<0.2		1.4	
					Bottom	6.9	0.3	265	23.2	23.2	7.9	7.9	30.7	30.7	101.5	101.5	7.3	7.3	14.3		13		93				<0.2		0.9	
						6.9	0.3	266	23.2		7.9		30.7		101.5		7.3		12.7		13		93				<0.2		0.9	
IM12	Fine	Moderate	10:37	8.6	Surface	1.0	0.5	264	23.2	23.2	8.0	8.0	30.8	30.8	101.5	101.5	7.3	7.3	9.8	15.5	12	15	87	91	821181	811508	<0.2	<0.2	1.1	1.1
						1.0	0.5	265	23.2		8.0		30.8		101.5		7.3		9.8		13		86				<0.2		1.0	
					Middle	4.3	0.4	272	23.2	23.2	8.0	8.0	30.8	30.8	100.8	100.8	7.2		13.3		16		92				<0.2		1.2	
						4.3	0.4	291	23.2		8.0		30.8		100.8		7.2		13.5		17		92				<0.2		1.2	
					Bottom	7.6	0.4	257	23.2	23.2	7.9	7.9	30.8	30.8	100.4	100.4	7.2	7.2	23.3		16		93				<0.2		1.1	
						7.6	0.4	278	23.2		7.9		30.8		100.4		7.2		23.3		16		93				<0.2		1.0	
SR2	Fine	Moderate	10:14	4.6	Surface	1.0	0.3	237	23.3	23.3	7.9	7.9	30.9	30.9	102.2	102.2	7.3	7.3	6.6	6.5	10	10	88	91	821446	814173	<0.2	<0.2	1.5	1.5
						1.0	0.3	245	23.3		7.9		30.9		102.2		7.3		6.7		10		88				<0.2		1.4	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.3	180	23.2	23.2	7.9	7.9	31.1	31.1	102.1	102.1	7.3	7.3	6.2		11		94				<0.2		1.5	
						3.6	0.3	181	23.2		7.9		31.1		102.1		7.3		6.3		10		93				<0.2		1.6	
SR3	Fine	Moderate	11:17	8.7	Surface	1.0	0.3	181	23.4	23.4	7.9	7.9	27.8	27.8	100.7	100.8	7.3	7.3	3.7	9.0	6	7	-	-	822148	807554	-	-	-	-
						1.0	0.3	193	23.4		7.9		27.8		100.8		7.3		3.8		5		-				-		-	
					Middle	4.4	0.3	180	23.2	23.2	7.9	7.9	28.7	28.7	100.3	100.3	7.3		6.4		7		-				-		-	
						4.4	0.3	195	23.2		7.9		28.7		100.3		7.3		5.7		7		-				-		-	
					Bottom	7.7	0.3	126	23.1	23.1	7.9	7.9	29.7	29.7	99.2	99.2	7.2	7.2	17.3		9		-				-		-	
						7.7	0.4	136	23.1		7.9		29.7		99.2		7.2		17.3		10		-				-		-	
SR4A	Fine	Calm	10:03	7.4	Surface	1.0	0.5	152	25.8	25.8	7.9	7.9	30.4	30.4	99.6	99.6	6.8	6.8	7.9	8.4	12	14	-	-	817201	807807	-	-	-	-
						1.0	0.5	161	25.8		7.9		30.3		99.5		6.8		7.7		11		-				-		-	
					Middle	3.7	0.4	164	25.7	25.7	7.9	7.9	30.4	30.4	99.0	99.1	6.8		8.4		13		-				-		-	
						3.7	0.4	175	25.7		7.9		30.4		99.1		6.8		8.5		14		-				-		-	
					Bottom	6.4	0.5	156	25.7	25.7	7.9	7.9	30.4	30.4	101.0	101.1	6.9	6.9	9.0		16		-				-		-	
						6.4	0.5	165	25.7		7.9		30.4		101.2		6.9		9.1		15		-				-		-	
SR5A	Fine	Calm	09:45	3.6	Surface	1.0	0.3	243	25.8	25.8	7.9	7.9	29.9	29.9	97.7	97.8	6.7	6.7	12.9	15.7	13	12	-	-	816584	810696	-	-	-	-
						1.0	0.3	257	25.8		7.9		29.9		97.8		6.7		13.0		12		-				-		-	
					Middle	1.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						1.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.3	237	25.8	25.8	7.9	7.9	29.9	29.9	98.7	98.8	6.8	6.8	17.3		12		-				-		-	
						2.6	0.3	247	25.8		7.9		29.9		98.9		6.8		19.5		11		-				-		-	
SR6	Fine	Calm	09:20	4.2	Surface	1.0	0.1	150	26.0	26.0	7.7	7.7	29.7	29.7	96.3	96.3	6.6	6.6	14.3	14.0	26	26	-	-	817914	814657	-	-	-	-
						1.0	0.1	160	26.0		7.7		29.7		96.3		6.6		14.1		25		-				-		-	
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.1	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.2	181	26.0	26.0	7.7	7.7	29.6	29.7	98.6	99.8	6.8	6.9	14.2		26		-				-		-	
						3.2	0.2	182	26.0		7.7		29.7		101.0		6.9		13.4		27		-				-		-	
SR7	Fine	Moderate	09:21	18.5	Surface	1.0	0.2	116	23.6	23.6	7.9	7.9	32.1	32.1	97.3	97.3	6.9	6.9	6.0	7.2	8	10	-	-	823636	823745	-	-	-	-
						1.0	0.2	116	23.6		7.9		32.1		97.3		6.9		6.1		7		-				-		-	
					Middle	9.3	0.2	98	23.6	23.6	7.9	7.9	32.2	32.2	97.1	97.1	6.8		7.1		9		-				-		-	
						9.3	0.2	103	23.6		7.9		32.2		97.1		6.8		7.2		11		-				-		-	
					Bottom	17.5	0.5	171	23.6	23.6	7.9	7.9	32.2	32.2	97.8	97.9	6.9	6.9	8.4		13		-				-		-	
						17.5	0.6	177	23.6		7.9		32.2		97.9		6.9		8.4		11		-				-		-	
SR8	Fine	Moderate	10:30	5.1	Surface	1.0	0.2	211	23.4	23.4	7.9	7.9	30.3	30.3	100.7	100.7	7.2	7.2	7.2	7.5	10	11	-	-	820411	811602	-	-	-	-
						1.0	0.2	222	23.4		7.9		30.3		100.6		7.2		7.2		9		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.2	220	23.3	23.3	7.9	7.9	30.6	30.6	100.2	100.2	7.2	7.2	7.7		12		-				-		-	
						4.1	0.2	241	23.3		7.9		30.6		100.2		7.2		7.7		14		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 05 November 16 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Calm	15:42	8.5	Surface	1.0	0.3	143	26.0	26.1	8.1	8.1	30.7	30.7	104.3	104.2	7.1	7.1	3.5	4.3	2	5	83	87	815616	804239	<0.2	<0.2	1.0	0.7
						1.0	0.3	143	26.1		8.1		30.7		104.1		7.1		3.5		3		84				<0.2		1.1	
					Middle	4.3	0.3	147	26.0	26.0	8.1	8.1	31.1	31.1	103.0	102.9	7.0		4.4		3		86				<0.2		0.5	
						4.3	0.3	157	26.0		8.1		31.1		102.8		7.0		4.3		4		88				<0.2		0.5	
					Bottom	7.5	0.4	169	26.0	26.0	8.0	8.0	31.5	31.5	103.9	103.9	7.1	7.1	5.0		9		90				<0.2		0.7	
						7.5	0.4	177	26.0		8.0		31.5		103.9		7.1		4.9		8		90				<0.2		0.6	
C2	Fine	Moderate	14:41	12.5	Surface	1.0	0.3	87	23.5	23.5	7.9	7.9	27.9	27.9	99.1	99.1	7.2	7.2	6.7	9.8	5	4	82	89	825667	806955	<0.2	<0.2	2.5	2.1
						1.0	0.4	93	23.4		7.9		27.9		99.0		7.2		6.8		3		83				<0.2		2.5	
					Middle	6.3	0.3	99	23.3	23.3	7.9	7.9	28.9	28.9	97.8	97.8	7.1		10.6		3		91				<0.2		1.7	
						6.3	0.3	100	23.3		7.9		28.9		97.8		7.1		10.6		4		91				<0.2		1.8	
					Bottom	11.5	0.3	95	23.4	23.4	7.9	7.9	30.4	30.4	97.7	97.7	7.0	7.0	11.9		4		93				<0.2		2.0	
						11.5	0.3	97	23.4		7.9		30.4		97.6		7.0		11.9		6		92				<0.2		2.0	
C3	Fine	Moderate	16:29	12.7	Surface	1.0	0.2	97	23.9	23.9	8.0	8.0	30.8	30.8	101.6	101.6	7.2	7.1	2.8	3.4	3	4	90	92	822108	817793	<0.2	<0.2	1.0	0.9
						1.0	0.3	98	23.9		8.0		30.8		101.5		7.2		2.8		4		88				<0.2		0.9	
					Middle	6.4	0.2	225	23.8	23.8	8.0	8.0	31.0	31.0	98.5	98.5	7.0		3.3		4		92				<0.2		0.9	
						6.4	0.2	239	23.8		8.0		31.0		98.4		7.0		3.1		3		92				<0.2		0.9	
					Bottom	11.7	0.2	265	23.7	23.7	8.0	8.0	31.3	31.3	98.7	98.7	7.0	7.0	4.4		4		94				<0.2		0.8	
						11.7	0.2	287	23.7		8.0		31.3		98.7		7.0		4.1		3		94				<0.2		0.8	
IM1	Fine	Calm	15:21	7.6	Surface	1.0	0.3	152	26.4	26.4	8.0	8.0	30.2	30.2	105.3	105.3	7.2	7.2	3.4	4.9	6	6	85	88	818334	806444	<0.2	<0.2	1.2	1.0
						1.0	0.3	157	26.3		8.0		30.2		105.3		7.2		3.4		5		86				<0.2		1.1	
					Middle	3.8	0.3	144	26.0	26.0	8.0	8.0	30.4	30.4	103.4	103.4	7.1		5.0		5		87				<0.2		0.9	
						3.8	0.3	148	26.0		8.0		30.4		103.3		7.1		4.9		5		88				<0.2		1.0	
					Bottom	6.6	0.4	138	25.9	25.9	8.0	8.0	30.7	30.7	103.4	103.5	7.1	7.1	6.3		7		90				<0.2		0.9	
						6.6	0.4	148	25.9		8.0		30.7		103.5		7.1		6.2		5		90				<0.2		0.9	
IM2	Fine	Calm	15:16	8.2	Surface	1.0	0.4	125	26.6	26.6	8.0	8.0	29.8	29.8	105.4	105.4	7.2	7.1	2.8	4.6	2	6	85	88	818855	806194	<0.2	<0.2	1.4	1.1
						1.0	0.4	127	26.6		8.0		29.8		105.4		7.2		2.9		4		86				<0.2		1.2	
					Middle	4.1	0.4	132	26.1	26.1	8.0	8.0	30.2	30.3	103.3	103.2	7.0		4.2		3		87				<0.2		1.0	
						4.1	0.4	133	26.1		8.0		30.3		103.1		7.0		4.3		4		88				<0.2		1.1	
					Bottom	7.2	0.3	153	25.9	25.9	8.0	8.0	30.8	30.8	102.8	102.9	7.0	7.0	6.8		13		90				<0.2		1.0	
						7.2	0.3	161	25.9		8.0		30.8		102.9		7.0		6.8		11		90				<0.2		1.0	
IM3	Fine	Calm	15:08	8.7	Surface	1.0	0.5	124	26.2	26.2	8.0	8.0	29.9	29.9	103.5	103.5	7.1	7.1	4.2	6.0	4	6	86	90	819408	806034	<0.2	<0.2	1.1	1.0
						1.0	0.5	129	26.2		8.0		29.9		103.4		7.1		4.2		2		87				<0.2		1.0	
					Middle	4.4	0.5	168	25.8	25.8	8.0	8.0	30.7	30.7	101.7	101.7	7.0		6.3		4		90				<0.2		1.1	
						4.4	0.5	182	25.8		8.0		30.7		101.7		7.0		6.3		5		91				<0.2		0.9	
					Bottom	7.7	0.5	141	25.8	25.8	8.0	8.0	30.8	30.8	102.5	102.6	7.0	7.0	7.3		10		93				<0.2		0.8	
						7.7	0.5	151	25.8		8.0		30.8		102.6		7.0		7.4		10		94				<0.2		0.9	
IM4	Fine	Calm	15:01	8.1	Surface	1.0	0.3	141	26.1	26.2	8.0	8.0	30.3	30.3	104.1	104.1	7.1	7.1	3.7	4.3	4	6	84	87	819576	805025	<0.2	<0.2	1.0	0.9
						1.0	0.3	149	26.2		8.0		30.2		104.1		7.1		3.6		6		85				<0.2		0.9	
					Middle	4.1	0.3	127	25.9	25.9	8.0	8.0	30.6	30.6	102.9	102.9	7.0		4.8		8		87				<0.2		1.0	
						4.1	0.4	135	25.9		8.0		30.6		102.9		7.0		4.9		6		88				<0.2		0.9	
					Bottom	7.1	0.3	122	25.8	25.9	8.0	8.0	30.8	30.8	103.4	103.4	7.1	7.1	4.6		7		89				<0.2		0.8	
						7.1	0.3	129	25.9		8.0		30.7		103.4		7.1		4.4		7		91				<0.2		0.8	
IM5	Fine	Calm	14:54	7.0	Surface	1.0	0.5	171	26.3	26.3	8.0	8.0	29.3	29.3	104.5	104.5	7.1	7.1	3.4	4.8	4	6	85	88	820549	804924	<0.2	<0.2	1.2	1.1
						1.0	0.5	180	26.3		8.0		29.3		104.4		7.1		3.5		3		86				<0.2		1.2	
					Middle	3.5	0.5	171	26.1	26.1	8.0	8.0	30.1	30.2	102.6	102.6	7.0		4.7		5		88				<0.2		1.2	
						3.5	0.5	174	26.1		8.0		30.2		102.6		7.0		4.8		4		88				<0.2		1.0	
					Bottom	6.0	0.4	165	25.9	26.0	8.0	8.0	30.5	30.5	102.5	102.5	7.0	7.0	6.4		8		90				<0.2		0.8	
						6.0	0.4	165	26.0		8.0		30.5		102.4		7.0		6.2		9		90				<0.2		0.9	
IM6	Fine	Calm	14:46	6.9	Surface	1.0	0.3	156	26.3	26.3	8.0	8.0	29.2	29.3	101.4	101.4	6.9	6.9	7.0	10.9	5	13	88	91	821068	805841	<0.2	<0.2	1.3	1.2
						1.0	0.3	157	26.3		8.0		29.3		101.3		6.9		7.2		4		88				<0.2		1.2	
					Middle	3.5	0.3	132	26.1	26.1	8.0	8.0	29.8	29.8	99.9	99.9	6.8		12.7		6		90				<0.2		1.3	
						3.5	0.4	138	26.1		8.0		29.8		99.9		6.8		13.0		5		91				<0.2		1.4	
					Bottom	5.9	0.3	144	26.1	26.1	8.0	8.0	29.8	29.8	100.9	101.1	6.9	6.9	12.8		28		93				<0.2		1.0	
						5.9	0.3	145	26.0		8.0		29.8		101.2		6.9		12.6		31		93				<0.2		0.9	
IM7	Fine	Calm	14:39	8.2	Surface	1.0	0.4	147	26.3	26.3	7.9	7.9	28.4	28.4	100.9	100.9	6.9	6.9	5.5	7.6	3	9	86	88	821353	806821	<0.2	<0.2	0.9	1.0
						1.0	0.4	157	26.2		7.9		28.4		100.8		6.9		5.6		3		86				<0.2		1.0	
					Middle	4.1	0.4	122	26.0	26.0	7.9	7.9	29.6	29.6	99.7	99.7	6.8		8.3		10		87				<0.2		1.0	
						4.1	0.4	130	26.0		7.9		29.6		99.7		6.8		8.5		12		88				<0.2		1.1	
					Bottom	7.2	0.4	145	25.9	25.9	7.9	7.9	30.1	30.1	101.1	101.2	6.9	6.9	8.8		14		91				<0.2		1.0	
						7.2	0.4	149	25.9		7.9		30.1		101.2		6.9		8.8		14		92				<0.2		0.9	
IM8	Fine	Moderate	15:17	8.2	Surface	1.0	0.3	132	23.6	23.6	8.0	8.0	27.8	27.8	104.4	104.4	7.6	7.5	3.6	6.0	3	5	83	89	821685	807826	<0.2	<0.2	1.2	1.2
						1.0	0.3	132	23.6		8.0		27.8		104.4		7.6		3.7		3		83				<0.2		1.1	
					Middle	4.1	0.3	107	23.3	23.3	8.0	8.0	29.2	29.2	102.8	102.8	7.4		5.0		3		91				<0.2		1.4	
						4.1	0.4	114	23.3		8.0		29.2		102.7		7.4		5.1		3		91				<0.2		1.2	
					Bottom	7.2	0.3	141	23.0	23.0	8.0	8.0	30.5	30.5	101.5	101.5	7.3	7.3	9.3		9		93				<0.2		1.1	
						7.2	0.3	143	23.0		8.0		30.5		101.5		7.3		9.3		8		93				<0.2		1.2	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 05 November 16 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	15:25	7.6	Surface	1.0	0.4	100	23.4	23.4	8.0	8.0	28.9	28.9	101.5	101.5	7.3	7.3	6.5	8.8	5	7	83	89	822081	808820	<0.2	<0.2	1.2	1.4
						1.0	0.4	103	23.4		8.0		28.9		101.5		7.3		6.7		6		84				<0.2		1.2	
					Middle	3.8	0.3	142	23.1	23.1	8.0	8.0	29.8	29.8	99.7	99.7	7.2		8.4		8		91				<0.2		1.3	
						3.8	0.3	151	23.1		8.0		29.8		99.7		7.2		8.5		8		91				<0.2		1.4	
					Bottom	6.6	0.3	152	23.1	23.1	8.0	8.0	30.0	30.0	100.0	100.0	7.2	7.2	11.4		8		93				<0.2		1.5	
						6.6	0.3	163	23.1		7.9		30.0		100.0		7.2		11.1		7		93				<0.2		1.5	
IM10	Fine	Moderate	15:32	7.8	Surface	1.0	0.4	83	23.5	23.5	8.0	8.0	28.8	28.8	103.9	103.9	7.5	7.5	4.5	4.6	6	7	84	90	822235	809841	<0.2	<0.2	1.5	1.3
						1.0	0.4	91	23.5		8.0		28.8		103.9		7.5		4.6		8		85				<0.2		1.7	
					Middle	3.9	0.4	107	23.3	23.3	8.0	8.0	29.2	29.2	103.0	103.0	7.4		4.5		7		91				<0.2		1.2	
						3.9	0.4	110	23.3		8.0		29.2		103.0		7.4		4.5		7		91				<0.2		1.2	
					Bottom	6.8	0.3	130	23.4	23.4	8.0	8.0	30.2	30.2	103.7	103.7	7.4	7.4	4.7		6		93				<0.2		1.1	
						6.8	0.4	141	23.4		8.0		30.2		103.7		7.4		4.7		6		93				<0.2		1.2	
IM11	Fine	Moderate	15:40	8.7	Surface	1.0	0.3	113	23.4	23.4	8.0	8.0	29.1	29.1	103.9	103.9	7.5	7.4	3.8	4.9	5	6	85	90	821484	810562	<0.2	<0.2	0.9	1.0
						1.0	0.3	124	23.4		8.0		29.1		103.8		7.5		3.8		6		86				<0.2		0.9	
					Middle	4.4	0.3	173	23.4	23.4	8.0	8.0	30.2	30.2	102.3	102.3	7.3		4.7		7		92				<0.2		1.0	
						4.4	0.3	180	23.4		8.0		30.2		102.3		7.3		4.7		7		91				<0.2		1.1	
					Bottom	7.7	0.2	176	23.2	23.2	8.0	8.0	30.5	30.5	101.0	101.0	7.2	7.2	6.2		7		93				<0.2		1.0	
						7.7	0.3	178	23.2		8.0		30.5		101.0		7.2		6.2		6		93				<0.2		0.9	
IM12	Fine	Moderate	15:47	8.9	Surface	1.0	0.5	101	23.7	23.7	8.0	8.0	28.6	28.6	104.6	104.7	7.5	7.5	3.1	4.1	5	4	87	90	821161	811511	<0.2	<0.2	1.1	1.2
						1.0	0.5	108	23.7		8.0		28.6		104.7		7.5		3.1		3		86				<0.2		1.0	
					Middle	4.5	0.3	132	23.4	23.4	8.0	8.0	30.2	30.2	102.9	102.9	7.4		4.0		4		91				<0.2		1.2	
						4.5	0.4	140	23.4		8.0		30.2		102.9		7.4		4.0		4		92				<0.2		1.2	
					Bottom	7.9	0.3	140	23.3	23.3	7.9	7.9	30.5	30.5	102.5	102.5	7.3	7.3	5.1		6		93				<0.2		1.3	
						7.9	0.3	147	23.3		7.9		30.5		102.5		7.3		5.1		4		93				<0.2		1.3	
SR2	Fine	Moderate	16:08	4.5	Surface	1.0	0.3	62	23.6	23.6	8.0	8.0	30.3	30.3	103.5	103.5	7.4	7.4	4.8	5.4	6	7	88	91	821463	814157	<0.2	<0.2	0.9	0.9
						1.0	0.3	64	23.6		8.0		30.3		103.5		7.4		4.7		6		88				<0.2		0.9	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.3	68	23.3	23.3	7.9	7.9	30.4	30.4	102.9	102.9	7.4	7.4	6.1		7		93				<0.2		0.9	
						3.5	0.3	73	23.3		7.9		30.4		102.9		7.4		6.1		7		93				<0.2		0.9	
SR3	Fine	Moderate	15:11	8.8	Surface	1.0	0.3	132	23.7	23.7	7.9	7.9	27.5	27.6	103.7	103.7	7.5	7.4	3.7	7.0	4	5	-	-	822145	807572	-	-	-	-
						1.0	0.3	140	23.7		7.9		27.6		103.7		7.5		3.8		5		-				-		-	
					Middle	4.4	0.3	90	23.3	23.3	8.0	8.0	29.2	29.2	101.5	101.5	7.3		6.5		3		-				-		-	
						4.4	0.4	97	23.3		8.0		29.2		101.4		7.3		6.7		3		-				-		-	
					Bottom	7.8	0.3	106	23.1	23.1	8.0	8.0	30.4	30.4	100.3	100.4	7.2	7.2	10.5		6		-				-		-	
						7.8	0.3	109	23.1		8.0		30.4		100.5		7.2		10.6		8		-				-		-	
SR4A	Fine	Calm	16:03	9.4	Surface	1.0	0.3	152	26.1	26.2	8.0	8.0	30.4	30.4	105.4	105.4	7.2	7.2	4.7	6.2	5	9	-	-	817169	807805	-	-	-	-
						1.0	0.3	153	26.2		8.0		30.4		105.3		7.2		4.7		6		-				-		-	
					Middle	4.7	0.3	134	25.9	25.9	8.0	8.0	30.6	30.6	103.4	103.5	7.1		6.3		8		-				-		-	
						4.7	0.3	136	25.9		8.0		30.6		103.5		7.1		6.5		7		-				-		-	
					Bottom	8.4	0.3	136	25.9	25.9	8.0	8.0	30.6	30.6	103.4	103.4	7.1	7.1	7.6		12		-				-		-	
						8.4	0.3	147	25.9		8.0		30.6		103.4		7.1		7.6		14		-				-		-	
SR5A	Fine	Calm	16:19	3.7	Surface	1.0	0.2	225	25.9	25.9	8.0	8.0	30.1	30.1	100.8	100.8	6.9	6.9	5.8	6.8	11	11	-	-	816594	810706	-	-	-	-
						1.0	0.2	240	25.9		8.0		30.1		100.8		6.9		5.8		12		-				-		-	
					Middle	1.9	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						1.9	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.1	192	25.8	25.8	8.0	8.0	30.1	30.1	100.7	100.7	6.9	6.9	7.8		11		-				-		-	
						2.7	0.2	209	25.8		8.0		30.1		100.7		6.9		7.8		11		-				-		-	
SR6	Fine	Calm	16:42	4.6	Surface	1.0	0.1	122	26.4	26.4	7.9	7.9	29.9	29.9	98.9	98.9	6.7	6.7	8.0	9.8	9	12	-	-	817892	814643	-	-	-	-
						1.0	0.1	125	26.4		7.9		29.9		98.8		6.7		8.0		10		-				-		-	
					Middle	2.3	-	-	-	-	-		-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	105	26.1	26.1	8.0	8.0	30.0	30.0	101.3	101.4	6.9	6.9	11.5		15		-				-		-	
						3.6	0.1	107	26.1		8.0		30.0		101.5		6.9		11.6		14		-				-		-	
SR7	Fine	Moderate	17:00	18.9	Surface	1.0	0.4	77	23.8	23.8	8.0	8.0	31.3	31.3	97.1	97.1	6.9	6.9	3.8	4.1	6	7	-	-	823633	823760	-	-	-	-
						1.0	0.4	83	23.8		8.0		31.3		97.1		6.9		3.8		7		-				-		-	
					Middle	9.5	0.2	71	23.8	23.8	8.0	8.0	31.3	31.3	96.6	96.6	6.8		4.3		7		-				-		-	
						9.5	0.2	76	23.8		8.0		31.3		96.6		6.8		4.4		6		-				-		-	
					Bottom	17.9	0.2	99	23.8	23.8	8.0	8.0	31.3	31.3	96.6	96.6	6.8	6.8	4.2		6		-				-		-	
						17.9	0.2	101	23.8		8.0		31.3		96.6		6.8		4.2		8		-				-		-	
SR8	Fine	Moderate	15:54	5.1	Surface	1.0	0.1	157	23.5	23.5	8.0	8.0	29.7	29.7	102.9	102.9	7.4	7.4	4.5	4.9	5	7	-	-	820425	811577	-	-	-	-
						1.0	0.1	157	23.4		8.0		29.7		102.8		7.4		4.7		4		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.2	201	23.3	23.3	8.0	8.0	30.3	30.3	102.8	102.8	7.4	7.4	5.2		8		-				-		-	
						4.1	0.2	202	23.3		8.0		30.3		102.8		7.4		5.1		9		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 08 November 16 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	14:02	8.2	Surface	1.0	0.4	101	26.3	26.3	7.8	7.8	27.3	27.4	100.9	100.9	7.0	6.9	2.5	5.3	3	8	86	88	815639	804238	<0.2	<0.2	1.4	1.1
						1.0	0.4	105	26.3		7.8		27.4		100.9		7.0		2.6		5		87				<0.2		1.3	
					Middle	4.1	0.5	64	26.2	26.2	7.8	7.8	28.6	28.6	99.3	99.3	6.8		5.3		4		88				<0.2		1.0	
						4.1	0.5	65	26.2		7.8		28.6		99.3		6.8		5.2		5		88				<0.2		1.1	
					Bottom	7.2	0.5	61	26.2	26.2	7.7	7.7	29.3	29.3	99.9	99.9	6.8	6.8	8.1		17		90				<0.2		0.9	
						7.2	0.5	61	26.2		7.7		29.2		99.9		6.8		8.2		15		91				<0.2		1.0	
C2	Cloudy	Moderate	15:35	12.3	Surface	1.0	0.4	161	23.7	23.7	7.9	7.9	24.1	24.1	95.9	95.9	7.1	7.0	1.1	3.3	4	4	84	90	825677	806951	<0.2	<0.2	2.4	2.0
						1.0	0.4	165	23.7		7.9		24.1		95.9		7.1		1.1		5		84				<0.2		2.4	
					Middle	6.2	0.4	174	23.6	23.6	7.9	7.9	27.4	27.4	94.1	94.1	6.8		1.5		3		92				<0.2		2.1	
						6.2	0.4	182	23.6		7.9		27.4		94.1		6.8		1.5		4		92				<0.2		2.1	
					Bottom	11.3	0.3	202	23.5	23.5	7.9	7.9	28.6	28.6	93.7	93.8	6.8	6.8	7.0		4		94				<0.2		1.4	
						11.3	0.3	204	23.5		7.9		28.6		93.9		6.8		7.3		4		94				<0.2		1.6	
C3	Cloudy	Moderate	13:34	11.6	Surface	1.0	0.4	282	23.5	23.5	7.9	7.9	29.1	29.1	97.1	97.1	7.0	6.9	2.9	5.6	4	5	89	93	822122	817792	<0.2	<0.2	1.2	1.3
						1.0	0.4	304	23.5		7.9		29.1		97.0		7.0		2.9		4		89				<0.2		1.2	
					Middle	5.8	0.5	262	23.3	23.3	7.8	7.8	29.4	29.4	94.5	94.5	6.8		4.3		5		94				<0.2		1.3	
						5.8	0.5	272	23.3		7.8		29.4		94.4		6.8		4.4		4		94				<0.2		1.1	
					Bottom	10.6	0.4	251	23.4	23.4	7.8	7.8	30.1	30.1	93.5	93.5	6.7	6.7	9.5		6		95				<0.2		1.5	
						10.6	0.4	263	23.4		7.8		30.1		93.5		6.7		9.5		5		95				<0.2		1.4	
IM1	Fine	Rough	12:29	7.0	Surface	1.0	0.7	134	26.3	26.3	7.8	7.8	28.0	28.0	101.3	101.3	7.0	7.0	2.4	3.8	6	7	88	91	818348	806467	<0.2	<0.2	1.0	1.2
						1.0	0.7	140	26.3		7.8		28.0		101.3		7.0		2.4		7		89				<0.2		1.0	
					Middle	3.5	0.7	138	26.3	26.3	7.8	7.8	28.2	28.2	100.6	100.6	6.9		3.0		7		91				<0.2		1.0	
						3.5	0.7	146	26.3		7.8		28.2		100.6		6.9		3.1		7		90				<0.2		1.1	
					Bottom	6.0	0.7	175	26.2	26.2	7.8	7.8	29.6	29.6	100.1	100.2	6.8	6.9	6.0		7		93				<0.2		1.5	
						6.0	0.8	180	26.2		7.8		29.6		100.2		6.9		5.8		7		94				<0.2		1.3	
IM2	Fine	Rough	14:41	8.1	Surface	1.0	0.8	142	26.3	26.3	7.9	7.9	27.9	27.9	99.9	99.9	6.9	6.9	2.4	3.2	4	5	85	88	818835	806204	<0.2	<0.2	1.3	1.7
						1.0	0.9	149	26.2		7.9		27.9		99.9		6.9		2.4		4		85				<0.2		1.5	
					Middle	4.1	0.8	133	26.3	26.3	7.9	7.9	28.0	28.0	99.3	99.3	6.8		2.8		5		87				<0.2		1.5	
						4.1	0.8	144	26.3		7.9		28.0		99.3		6.8		2.9		5		88				<0.2		1.4	
					Bottom	7.1	0.8	154	26.2	26.2	7.9	7.9	29.5	29.5	99.0	99.1	6.8	6.8	4.3		6		91				<0.2		2.2	
						7.1	0.8	159	26.2		7.9		29.5		99.1		6.8		4.3		6		92				<0.2		2.2	
IM3	Fine	Rough	14:53	8.0	Surface	1.0	0.9	178	26.3	26.3	7.8	7.8	27.6	27.6	106.7	106.7	7.4	7.2	4.5	3.0	6	7	85	88	819421	806013	<0.2	<0.2	2.4	2.5
						1.0	0.9	186	26.3		7.8		27.6		106.7		7.4		4.4		7		86				<0.2		2.3	
					Middle	4.0	0.9	163	26.3	26.3	7.8	7.8	27.1	27.1	99.8	99.9	6.9		2.2		7		89				<0.2		2.6	
						4.0	0.9	164	26.3		7.8		27.1		99.9		6.9		2.3		8		89				<0.2		2.5	
					Bottom	7.0	0.9	154	26.3	26.3	7.8	7.8	27.4	27.5	100.0	100.0	6.9	6.9	2.4		6		90				<0.2		2.7	
						7.0	1.0	162	26.3		7.8		27.5		100.0		6.9		2.4		7		91				<0.2		2.7	
IM4	Fine	Rough	15:15	7.9	Surface	1.0	1.0	146	26.1	26.1	7.9	7.9	28.9	28.9	98.0	98.0	6.8	6.7	3.0	4.1	8	9	89	92	819562	805027	<0.2	<0.2	1.4	1.8
						1.0	1.0	148	26.0		7.9		28.9		98.0		6.8		3.0		8		90				<0.2		1.4	
					Middle	4.0	1.2	141	26.1	26.1	7.9	7.9	29.1	29.1	96.1	96.1	6.6		3.4		8		92				<0.2		2.3	
						4.0	1.3	155	26.1		7.9		29.1		96.0		6.6		3.4		7		93				<0.2		2.1	
					Bottom	6.9	0.9	146	26.1	26.1	7.8	7.8	29.7	29.8	96.2	96.3	6.6	6.6	5.8		10		94				<0.2		1.7	
						6.9	1.0	155	26.1		7.8		29.8		96.3		6.6		5.9		10		95				<0.2		1.7	
IM5	Fine	Rough	15:26	6.7	Surface	1.0	1.2	151	26.1	26.1	7.9	7.9	28.9	28.9	96.8	96.8	6.7	6.6	4.0	5.3	9	9	89	92	820554	804925	<0.2	<0.2	1.3	1.2
						1.0	1.3	152	26.1		7.9		28.9		96.7		6.6		3.9		9		89				<0.2		1.2	
					Middle	3.4	1.0	142	26.1	26.1	7.9	7.9	29.0	29.0	94.7	94.7	6.5		4.8		8		92				<0.2		1.6	
						3.4	1.0	153	26.1		7.9		28.9		94.6		6.5		4.7		8		92				<0.2		1.4	
					Bottom	5.7	1.8	166	26.1	26.1	7.9	7.9	29.4	29.4	91.4	91.4	6.3	6.3	7.0		10		94				<0.2		0.9	
						5.7	2.0	173	26.1		7.9		29.4		91.3		6.3		7.1		10		95				<0.2		0.9	
IM6	Fine	Rough	15:41	7.0	Surface	1.0	1.1	134	26.1	26.1	7.9	7.9	28.9	28.9	96.5	96.5	6.6	6.5	5.7	9.7	9	14	87	89	821061	805829	<0.2	<0.2	1.2	1.5
						1.0	1.1	137	26.1		7.9		28.9		96.5		6.6		5.9		9		87				<0.2		1.3	
					Middle	3.5	1.2	142	26.1	26.1	7.9	7.9	29.0	29.0	93.6	93.5	6.4		9.7		11		89				<0.2		1.9	
						3.5	1.3	153	26.1		7.9		29.0		93.4		6.4		10.1		11		89				<0.2		1.8	
					Bottom	6.0	1.4	163	26.1	26.1	7.9	7.9	29.6	29.6	93.3	93.3	6.4	6.4	13.3		20		91				<0.2		1.4	
						6.0	1.4	177	26.1		7.9		29.6		93.3		6.4		13.4		21		91				<0.2		1.5	
IM7	Fine	Rough	15:51	8.2	Surface	1.0	1.0	151	26.1	26.1	7.9	7.9	28.8	28.8	98.8	98.8	6.8	6.8	4.1	6.7	13	16	86	90	821340	806844	<0.2	<0.2	1.9	1.5
						1.0	1.1	162	26.1		7.9		28.8		98.8		6.8		4.2		14		87				<0.2		2.0	
					Middle	4.1	0.7	149	26.1	26.1	7.9	7.9	28.9	28.9	96.9	96.9	6.7		5.4		14		91				<0.2		1.0	
						4.1	0.7	156	26.1		7.9		28.9		96.9		6.7		5.5		14		90				<0.2		1.0	
					Bottom	7.2	0.6	160	26.1	26.1	7.9	7.9	29.7	29.7	95.8	95.9	6.6	6.6	10.6		21		92				<0.2		1.6	
						7.2	0.6	164	26.1		7.9		29.6		95.9		6.6		10.5		21		93				<0.2		1.4	
IM8	Cloudy	Moderate	14:52	8.2	Surface	1.0	0.2	190	23.7	23.7	7.9	7.9	25.7	25.7	98.8	98.9	7.2	7.2	2.4	3.2	4	5	84	91	821696	807846	<0.2	<0.2	2.5	2.4
						1.0	0.3	193	23.7		7.9		25.7		98.9		7.2		2.4		4		85				<0.2		2.4	
					Middle	4.1	0.3	233	23.7	23.7	7.9	7.9	26.8	26.8	99.2	99.2	7.2		2.9		4		93				<0.2		2.3	
						4.1	0.3	240	23.7		7.9		26.8		99.2		7.2		2.9		4		92				<0.2		2.4	
					Bottom	7.2	0.3	218	23.6	23.6	7.9	7.9	27.3	27.3	99.8	99.8	7.2	7.2	4.2		6		95				<0.2		2.4	
						7.2	0.4	236	23.6		7.9		27.3		99.8		7.2		4.2		6		94				<0.2		2.4	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 08 November 16 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	14:44	7.2	Surface	1.0	0.3	220	23.8	23.8	7.9	7.9	25.5	25.5	101.0	101.0	7.4	7.4	3.0	6.8	5	8	85	91	822107	808813	<0.2	<0.2	1.6	1.9
						1.0	0.3	229	23.8		7.9		25.5		101.0		7.4		3.0		4		85				<0.2		1.7	
					Middle	3.6	0.3	225	23.7	23.7	7.9	7.9	26.8	26.9	100.2	100.2	7.3		5.2		6		93				<0.2		2.0	
						3.6	0.3	240	23.7		7.9		26.9		100.2		7.3		5.9		7		92				<0.2		2.1	
					Bottom	6.2	0.3	222	23.6	23.6	7.9	7.9	27.5	27.5	99.8	99.8	7.2	7.2	11.8		13		94				<0.2		1.9	
						6.2	0.3	238	23.6		7.9		27.5		99.8		7.2		11.8		14		95				<0.2		1.8	
IM10	Cloudy	Moderate	14:36	8.2	Surface	1.0	0.4	274	23.8	23.8	7.9	7.9	27.4	27.4	101.5	101.5	7.3	7.3	3.8	10.2	4	6	87	92	822258	809844	<0.2	<0.2	1.5	1.9
						1.0	0.5	299	23.8		7.9		27.4		101.5		7.3		3.8		6		86				<0.2		1.6	
					Middle	4.1	0.4	268	23.7	23.7	7.9	7.9	27.6	27.6	100.5	100.5	7.3		7.2		6		99				<0.2		2.3	
						4.1	0.4	286	23.7		7.9		27.6		100.5		7.3		7.4		6		93				<0.2		2.3	
					Bottom	7.2	0.4	266	23.3	23.3	7.9	7.9	28.4	28.4	100.4	100.4	7.3	7.3	19.4		8		94				<0.2		1.8	
						7.2	0.4	266	23.3		7.9		28.4		100.4		7.3		19.4		7		94				<0.2		1.8	
IM11	Cloudy	Moderate	14:28	7.9	Surface	1.0	0.4	258	23.9	23.9	7.9	7.9	27.2	27.2	102.8	102.8	7.4	7.4	2.9	12.1	5	6	87	91	821517	810546	<0.2	<0.2	1.8	1.8
						1.0	0.4	278	23.9		7.9		27.2		102.8		7.4		2.9		6		87				<0.2		1.8	
					Middle	4.0	0.5	284	23.6	23.6	7.9	7.9	27.7	27.7	100.8	100.7	7.3		7.8		4		93				<0.2		1.9	
						4.0	0.5	299	23.6		7.9		27.7		100.5		7.3		8.1		6		93				<0.2		1.8	
					Bottom	6.9	0.3	257	23.2	23.2	7.9	7.9	28.9	29.0	100.4	100.5	7.3	7.3	25.4		6		94				<0.2		1.6	
						6.9	0.4	272	23.2		7.9		29.0		100.5		7.3		25.4		6		94				<0.2		1.7	
IM12	Cloudy	Moderate	14:21	8.6	Surface	1.0	0.5	272	23.8	23.8	7.9	7.9	27.6	27.6	101.9	101.9	7.4	7.4	2.8	10.5	4	5	88	92	821166	811512	<0.2	<0.2	2.0	1.6
						1.0	0.5	297	23.8		7.9		27.6		101.9		7.4		2.9		4		87				<0.2		1.9	
					Middle	4.3	0.5	280	23.5	23.5	7.9	7.9	28.2	28.2	100.5	100.5	7.3		4.8		4		93				<0.2		1.0	
						4.3	0.6	285	23.5		7.9		28.2		100.5		7.3		4.9		4		93				<0.2		1.1	
					Bottom	7.6	0.5	278	23.2	23.2	7.9	7.9	29.2	29.2	97.9	97.9	7.1	7.1	23.6		6		94				<0.2		1.8	
						7.6	0.5	294	23.2		7.9		29.2		97.9		7.1		23.8		5		95				<0.2		1.5	
SR2	Cloudy	Moderate	13:57	4.6	Surface	1.0	0.4	113	23.7	23.7	7.8	7.8	28.3	28.3	99.2	99.0	7.1	7.1	4.5	6.3	2	3	89	92	821461	814180	<0.2	<0.2	1.6	1.7
						1.0	0.4	116	23.7		7.8		28.3		98.8		7.1		4.8		3		89				<0.2		1.9	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.3	109	23.3	23.3	7.8	7.8	29.2	29.2	98.5	98.6	7.1	7.1	7.9		3		95				<0.2		1.6	
						3.6	0.4	114	23.3		7.8		29.2		98.6		7.1		8.0		4		94				<0.2		1.6	
SR3	Cloudy	Moderate	14:59	8.7	Surface	1.0	0.3	202	23.9	23.9	7.9	7.9	23.7	23.7	98.6	98.6	7.3	7.2	2.3	3.3	2	4	-	-	822155	807554	-	-	-	-
						1.0	0.3	219	23.9		7.9		23.7		98.5		7.3		2.3		4		-				-		-	
					Middle	4.4	0.3	173	23.6	23.6	7.9	7.9	27.2	27.2	97.5	97.5	7.1		2.7		4		-				-		-	
						4.4	0.3	177	23.6		7.9		27.2		97.5		7.1		2.7		4		-				-		-	
					Bottom	7.7	0.3	137	23.5	23.5	7.9	7.9	27.8	27.8	98.9	99.0	7.2	7.2	4.8		4		-				-		-	
						7.7	0.3	148	23.5		7.9		27.8		99.0		7.2		4.8		3		-				-		-	
SR4A	Fine	Moderate	13:40	8.0	Surface	1.0	0.4	221	26.2	26.2	7.8	7.8	29.3	29.3	97.8	97.8	6.7	6.7	7.5	7.9	10	13	-	-	817179	807814	-	-	-	-
						1.0	0.4	239	26.2		7.8		29.2		97.8		6.7		7.4		8		-				-		-	
					Middle	4.0	0.4	221	26.2	26.2	7.7	7.7	29.0	29.0	97.8	97.8	6.7		7.9		12		-				-		-	
						4.0	0.4	226	26.2		7.7		29.0		97.8		6.7		8.0		13		-				-		-	
					Bottom	7.0	0.3	210	26.2	26.2	7.6	7.6	28.6	28.6	99.0	99.0	6.8	6.8	8.4		18		-				-		-	
						7.0	0.3	222	26.2		7.6		28.6		99.0		6.8		8.4		17		-				-		-	
SR5A	Fine	Moderate	13:24	3.5	Surface	1.0	0.2	280	26.3	26.4	7.7	7.7	28.8	28.8	98.3	98.3	6.7	6.7	4.7	5.0	9	10	-	-	816591	810686	-	-	-	-
						1.0	0.2	296	26.4		7.7		28.7		98.2		6.7		4.6		9		-				-		-	
					Middle	1.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						1.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	0.2	267	26.3	26.3	7.6	7.6	28.3	28.3	99.1	99.2	6.8	6.8	5.3		10		-				-		-	
						2.5	0.2	285	26.3		7.6		28.3		99.2		6.8		5.4		10		-				-		-	
SR6	Fine	Moderate	12:59	3.6	Surface	1.0	0.1	255	26.2	26.2	7.6	7.6	28.8	28.8	96.9	96.9	6.7	6.7	13.5	16.9	20	31	-	-	817902	814656	-	-	-	-
						1.0	0.2	277	26.2		7.6		28.8		96.9		6.7		13.6		18		-				-		-	
					Middle	1.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						1.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.1	243	26.2	26.3	7.5	7.5	28.5	28.4	97.5	98.0	6.7	6.8	20.7		43		-				-		-	
						2.6	0.1	264	26.3		7.4		28.3		98.5		6.8		19.8		42		-				-		-	
SR7	Cloudy	Moderate	12:59	18.5	Surface	1.0	0.2	183	23.7	23.7	7.9	7.9	29.5	29.5	99.8	99.8	7.1	7.0	2.2	2.9	4	4	-	-	823625	823742	-	-	-	-
						1.0	0.2	200	23.7		7.9		29.5		99.8		7.1		2.2		4		-				-		-	
					Middle	9.3	0.2	186	23.3	23.3	7.8	7.8	29.9	29.9	96.1	96.1	6.9		3.1		4		-				-		-	
						9.3	0.2	196	23.3		7.8		29.9		96.1		6.9		3.1		5		-				-		-	
					Bottom	17.5	0.2	185	23.4	23.4	7.8	7.8	30.2	30.2	95.9	95.9	6.9	6.9	3.4		4		-				-		-	
						17.5	0.2	201	23.4		7.8		30.2		95.9		6.9		3.3		5		-				-		-	
SR8	Cloudy	Moderate	14:14	5.1	Surface	1.0	0.1	254	24.5	24.5	7.8	7.8	27.0	27.0	103.0	103.0	7.4	7.4	4.2	9.9	6	6	-	-	820416	811594	-	-	-	-
						1.0	0.2	269	24.5		7.8		27.0		103.0		7.4		4.2		4		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.1	191	23.4	23.4	7.8	7.8	28.3	28.3	99.5	99.5	7.2	7.2	15.5		7		-				-		-	
						4.1	0.1	206	23.4		7.8		28.3		99.5		7.2		15.5		8		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 08 November 16 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	20:20	8.6	Surface	1.0	0.3	179	26.2	26.2	7.9	7.9	28.8	28.8	96.5	96.5	6.6	6.5	7.9	7.7	4	5	86	89	815634	804259	<0.2	<0.2	1.3	1.3
						1.0	0.3	184	26.1		7.9		28.8		96.5		6.6		7.9		4		86				<0.2		1.3	
					Middle	4.3	0.2	171	26.1	26.1	7.9	7.9	29.0	29.1	92.4	92.4	6.3		6.9		4		88				<0.2		1.1	
						4.3	0.3	186	26.1		7.9		29.1		92.3		6.3		7.0		4		90				<0.2		1.3	
					Bottom	7.6	0.3	200	26.1	26.1	7.9	7.9	29.7	29.7	92.8	92.9	6.4	6.4	8.4		7		92				<0.2		1.4	
						7.6	0.3	217	26.1		7.9		29.7		92.9		6.4		8.3		8		93				<0.2		1.1	
C2	Cloudy	Moderate	19:00	12.5	Surface	1.0	0.4	162	23.6	23.6	7.9	7.9	25.1	25.1	96.1	96.1	7.1	7.1	0.9	4.7	4	4	83	90	825673	806937	<0.2	<0.2	2.2	2.4
						1.0	0.4	171	23.6		7.9		25.1		96.1		7.1		1.0		5		84				<0.2		2.3	
					Middle	6.3	0.4	175	23.5	23.5	7.9	7.9	26.8	26.8	95.9	95.9	7.0		4.9		5		92				<0.2		2.3	
						6.3	0.4	190	23.5		7.9		26.8		95.9		7.0		4.9		3		92				<0.2		2.4	
					Bottom	11.5	0.3	180	23.4	23.4	7.9	7.9	28.7	28.7	95.5	95.5	6.9	6.9	8.3		4		94				<0.2		2.6	
						11.5	0.3	195	23.4		7.9		28.7		95.4		6.9		8.3		5		94				<0.2		2.5	
C3	Cloudy	Moderate	21:11	12.7	Surface	1.0	0.2	213	23.5	23.5	7.9	7.9	30.2	30.2	95.4	95.3	6.8	6.8	1.0	1.6	4	3	91	93	822117	817805	<0.2	<0.2	1.1	1.0
						1.0	0.2	220	23.5		7.9		30.2		95.1		6.8		1.0		3		89				<0.2		1.0	
					Middle	6.4	0.3	239	23.6	23.6	7.9	7.9	30.6	30.6	93.9	93.9	6.7		1.5		3		93				<0.2		0.9	
						6.4	0.3	250	23.6		7.9		30.6		93.9		6.7		1.5		4		93				<0.2		0.9	
					Bottom	11.7	0.2	246	23.6	23.6	7.9	7.9	30.7	30.7	93.7	93.8	6.7	6.7	2.3		3		95				<0.2		0.9	
						11.7	0.2	251	23.6		7.9		30.7		93.8		6.7		2.3		3		95				<0.2		0.9	
IM1	Fine	Moderate	19:57	7.8	Surface	1.0	0.5	167	26.1	26.1	7.9	7.9	28.8	28.8	96.5	96.5	6.6	6.5	8.4	12.5	4	4	87	91	818332	806455	<0.2	<0.2	1.6	1.5
						1.0	0.5	169	26.1		7.9		28.8		96.4		6.6		8.2		3		88				<0.2		1.6	
					Middle	3.9	0.4	187	26.1	26.1	7.9	7.9	29.1	29.1	92.6	92.5	6.4		7.1		3		90				<0.2		1.4	
						3.9	0.5	191	26.1		7.9		29.1		92.4		6.3		7.2		3		91				<0.2		1.5	
					Bottom	6.8	0.4	195	26.0	26.1	7.9	7.9	29.8	29.8	93.5	94.2	6.4	6.5	21.8		3		93				<0.2		1.4	
						6.8	0.4	202	26.1		7.9		29.7		94.8		6.5		22.0		5		94				<0.2		1.5	
IM2	Fine	Moderate	19:49	8.1	Surface	1.0	0.4	154	26.1	26.1	7.9	7.9	28.8	28.8	98.1	98.1	6.8	6.7	8.3	6.8	4	5	85	89	818853	806197	<0.2	<0.2	1.5	1.6
						1.0	0.4	166	26.1		7.9		28.8		98.0		6.7		8.2		4		87				<0.2		1.5	
					Middle	4.1	0.4	167	26.1	26.1	7.9	7.9	28.9	28.9	95.4	95.4	6.6		5.0		4		88				<0.2		1.5	
						4.1	0.4	179	26.1		7.9		28.9		95.3		6.6		5.0		4		89				<0.2		1.6	
					Bottom	7.1	0.4	199	26.1	26.1	7.9	7.9	29.7	29.7	93.9	94.0	6.4	6.4	7.2		6		92				<0.2		1.5	
						7.1	0.4	218	26.1		7.9		29.7		94.0		6.4		7.2		5		93				<0.2		1.7	
IM3	Rainy	Rough	19:41	8.5	Surface	1.0	0.4	116	26.1	26.1	7.9	7.9	28.8	28.8	98.0	98.0	6.7	6.7	8.2	6.8	14	12	87	92	819413	806037	<0.2	<0.2	1.8	1.7
						1.0	0.5	122	26.1		7.9		28.8		97.9		6.7		8.1		12		86				<0.2		1.5	
					Middle	4.3	0.4	176	26.1	26.1	7.9	7.9	28.9	28.9	95.8	95.8	6.6		4.9		12		94				<0.2		1.5	
						4.3	0.5	190	26.1		7.9		28.9		95.7		6.6		5.0		11		93				<0.2		1.7	
					Bottom	7.5	0.3	249	26.1	26.1	7.9	7.9	29.7	29.7	95.0	95.1	6.5	6.5	7.3		12		95				<0.2		1.7	
						7.5	0.3	268	26.1		7.9		29.7		95.1		6.5		7.1		12		95				<0.2		1.7	
IM4	Rainy	Rough	19:28	8.2	Surface	1.0	0.3	150	26.1	26.1	7.9	7.9	28.8	28.8	97.8	97.8	6.7	6.6	8.0	8.2	14	15	87	89	819579	805041	<0.2	<0.2	1.6	1.5
						1.0	0.3	152	26.1		7.9		28.8		97.7		6.7		7.9		14		87				<0.2		1.8	
					Middle	4.1	0.2	175	26.1	26.1	7.9	7.9	28.9	28.9	93.5	93.5	6.4		5.9		16		89				<0.2		1.6	
						4.1	0.3	185	26.1		7.9		28.9		93.4		6.4		6.1		16		89				<0.2		1.5	
					Bottom	7.2	0.2	178	26.1	26.1	7.9	7.9	29.7	29.7	91.7	91.7	6.3	6.3	10.6		15		91				<0.2		1.3	
						7.2	0.3	190	26.1		7.9		29.7		91.7		6.3		10.8		14		91				<0.2		1.4	
IM5	Rainy	Rough	19:20	8.0	Surface	1.0	0.4	134	26.1	26.1	7.9	7.9	28.8	28.8	98.3	98.3	6.8	6.7	7.9	7.9	15	14	88	92	820579	804942	<0.2	<0.2	1.3	1.5
						1.0	0.5	138	26.1		7.9		28.7		98.2		6.8		7.7		14		89				<0.2		1.4	
					Middle	4.0	0.4	142	26.1	26.1	7.9	7.9	28.9	28.9	96.1	96.1	6.6		5.1		14		92				<0.2		1.4	
						4.0	0.4	149	26.1		7.9		28.9		96.0		6.6		5.2		12		93				<0.2		1.6	
					Bottom	7.0	0.3	184	26.1	26.1	7.9	7.9	29.7	29.7	95.4	95.5	6.5	6.5	10.6		16		94				<0.2		1.6	
						7.0	0.3	188	26.1		7.9		29.7		95.6		6.5		10.7		14		94				<0.2		1.4	
IM6	Rainy	Rough	19:10	7.8	Surface	1.0	0.3	126	26.1	26.1	7.9	7.9	28.7	28.8	98.0	98.0	6.8	6.7	6.2	5.8	11	12	86	89	821040	805840	<0.2	<0.2	1.5	1.6
						1.0	0.3	130	26.1		7.9		28.8		98.0		6.8		6.2		11		87				<0.2		1.4	
					Middle	3.9	0.3	155	26.1	26.1	7.9	7.9	28.9	28.9	94.9	94.9	6.5		5.2		13		88				<0.2		1.6	
						3.9	0.3	162	26.1		7.9		28.9		94.8		6.5		5.2		12		89				<0.2		1.4	
					Bottom	6.8	0.2	165	26.1	26.1	7.9	7.9	29.7	29.7	94.5	94.6	6.5	6.5	6.1		13		91				<0.2		1.7	
						6.8	0.2	180	26.1		7.9		29.7		94.6		6.5		6.1		13		92				<0.2		1.7	
IM7	Rainy	Rough	19:00	8.9	Surface	1.0	0.3	134	26.1	26.1	7.9	7.9	28.7	28.7	98.2	98.2	6.8	6.7	4.8	6.4	11	12	86	89	821359	806851	<0.2	<0.2	1.6	1.6
						1.0	0.3	145	26.1		7.9		28.7		98.2		6.8		4.8		11		87				<0.2		1.6	
					Middle	4.5	0.3	133	26.1	26.1	7.9	7.9	28.8	28.8	95.2	95.2	6.6		5.1		11		88				<0.2		1.5	
						4.5	0.3	136	26.1		7.9		28.8		95.1		6.5		5.3		12		89				<0.2		1.6	
					Bottom	7.9	0.2	189	26.1	26.1	7.9	7.9	29.6	29.6	93.1	93.1	6.4	6.4	9.2		14		92				<0.2		1.4	
						7.9	0.2	203	26.1		7.9		29.5		93.1		6.4		9.2		13		93				<0.2		1.6	
IM8	Cloudy	Moderate	19:53	8.2	Surface	1.0	0.4	186	23.6	23.6	7.9	7.9	26.1	26.1	99.6	99.7	7.3	7.3	2.2	6.0	3	3	84	90	821690	807856	<0.2	<0.2	1.5	1.6
						1.0	0.4	189	23.6		7.9		26.1		99.7		7.3		2.2		2		84				<0.2		1.6	
					Middle	4.1	0.4	135	23.6	23.6	7.9	7.9	26.6	26.6	99.2	99.2	7.2		5.4		2		92				<0.2		1.7	
						4.1	0.5	143	23.6		7.9		26.6		99.2		7.2		5.4		2		93				<0.2		1.6	
					Bottom	7.2	0.4	175	23.4	23.4	7.9	7.9	29.7	29.7	99.9	100.0	7.2	7.2	10.3		3		94				<0.2		1.6	
						7.2	0.4	179	23.4		7.9		29.7		100.0		7.2		10.5		3		94				<0.2		1.5	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 08 November 16 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	20:01	7.6	Surface	1.0	0.4	172	23.6	23.6	7.9	7.9	26.4	26.4	100.7	100.8	7.3	7.3	2.7	7.5	2	4	84	90	822102	808818	<0.2	<0.2	1.5	1.4
						1.0	0.4	172	23.6		7.9		26.4		100.8		7.3		2.8		3		85				<0.2		1.6	
					Middle	3.8	0.3	185	23.6	23.6	7.9	7.9	26.7	26.7	100.0	100.0	7.3		6.3		3		92				<0.2		1.5	
						3.8	0.3	186	23.6		7.9		26.7		100.0		7.3		6.5		3		92				<0.2		1.3	
					Bottom	6.6	0.3	180	23.4	23.4	7.9	7.9	28.6	28.6	100.7	100.8	7.3	7.3	13.2		6		94				<0.2		1.3	
						6.6	0.4	187	23.4		7.9		28.6		100.8		7.3		13.2		6		94				<0.2		1.4	
IM10	Cloudy	Moderate	20:09	7.8	Surface	1.0	0.3	190	23.6	23.6	7.9	7.9	27.9	27.9	101.5	101.3	7.3	7.3	1.3	3.3	3	3	85	91	822228	809846	<0.2	<0.2	1.4	1.3
						1.0	0.3	197	23.6		7.9		27.8		101.0		7.3		1.4		3		86				<0.2		1.4	
					Middle	3.9	0.3	203	23.4	23.4	7.9	7.9	28.5	28.5	100.1	100.1	7.2		2.8		4		93				<0.2		1.0	
						3.9	0.3	212	23.4		7.9		28.5		100.1		7.2		2.8		3		92				<0.2		1.0	
					Bottom	6.8	0.3	228	23.4	23.4	7.9	7.9	28.9	28.9	101.2	101.3	7.3	7.3	5.8		2		94				<0.2		1.3	
						6.8	0.3	250	23.4		7.9		28.9		101.3		7.3		5.8		2		95				<0.2		1.4	
IM11	Cloudy	Moderate	20:16	8.7	Surface	1.0	0.3	179	23.7	23.7	7.9	7.9	27.6	27.6	103.2	103.2	7.5	7.4	0.5	1.6	3	3	86	91	821516	810543	<0.2	<0.2	1.4	1.3
						1.0	0.3	189	23.7		7.9		27.6		103.1		7.5		0.5		3		87				<0.2		1.3	
					Middle	4.4	0.3	212	23.5	23.5	7.9	7.9	28.5	28.5	100.5	100.5	7.3		1.8		2		93				<0.2		1.6	
						4.4	0.3	214	23.5		7.9		28.5		100.5		7.3		1.9		2		92				<0.2		1.5	
					Bottom	7.7	0.3	192	23.4	23.4	7.9	7.9	29.0	29.0	101.9	102.0	7.3	7.3	2.4		2		94				<0.2		1.1	
						7.7	0.3	196	23.4		7.9		29.0		102.0		7.3		2.4		4		95				<0.2		1.1	
IM12	Cloudy	Moderate	20:25	8.9	Surface	1.0	0.3	154	23.7	23.7	7.9	7.9	27.3	27.3	101.3	101.3	7.3	7.3	1.1	4.5	2	4	88	92	821146	811535	<0.2	<0.2	1.9	1.5
						1.0	0.3	161	23.7		7.9		27.3		101.3		7.3		1.1		<2		87				<0.2		1.8	
					Middle	4.5	0.3	198	23.4	23.4	7.9	7.9	28.6	28.6	99.0	99.0	7.2		3.0		4		93				<0.2		1.4	
						4.5	0.3	203	23.4		7.9		28.6		99.0		7.2		3.1		3		93				<0.2		1.4	
					Bottom	7.9	0.3	204	23.3	23.3	7.9	7.9	29.3	29.3	96.0	96.0	6.9	6.9	9.3		6		94				<0.2		1.4	
						7.9	0.3	216	23.3		7.9		29.3		96.0		6.9		9.3		5		95				<0.2		1.3	
SR2	Cloudy	Moderate	20:47	4.5	Surface	1.0	1.5	157	23.3	23.3	7.9	7.9	29.1	29.1	98.6	98.6	7.1	7.1	1.8	2.3	2	7	89	92	821456	814161	<0.2	<0.2	1.4	1.6
						1.0	1.6	160	23.3		7.9		29.1		98.5		7.1		1.8		2		89				<0.2		1.5	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.8	150	23.3	23.3	7.9	7.9	29.3	29.2	98.9	99.1	7.1	7.2	3.0		11		95				<0.2		1.6	
						3.5	0.8	163	23.3		7.9		29.1		99.3		7.2		2.7		12		94				<0.2		1.7	
SR3	Cloudy	Moderate	19:47	8.8	Surface	1.0	0.3	194	23.6	23.6	7.9	7.9	25.8	25.8	98.9	98.9	7.2	7.2	1.5	5.6	2	3	-	-	822159	807568	-	-	-	-
						1.0	0.3	208	23.6		7.9		25.8		98.9		7.2		1.5		4		-				-		-	
					Middle	4.4	0.4	153	23.6	23.6	7.9	7.9	26.1	26.1	98.4	98.4	7.2		3.6		2		-				-		-	
						4.4	0.4	160	23.6		7.9		26.1		98.4		7.2		3.6		3		-				-		-	
					Bottom	7.8	0.4	157	23.3	23.3	7.9	7.9	29.6	29.6	97.4	97.4	7.0	7.0	11.8		3		-				-		-	
						7.8	0.4	171	23.3		7.9		29.6		97.4		7.0		11.8		3		-				-		-	
SR4A	Fine	Moderate	20:43	8.1	Surface	1.0	0.2	181	26.1	26.1	7.9	7.9	28.8	28.8	97.7	97.7	6.7	6.6	8.1	8.3	5	5	-	-	817173	807799	-	-	-	-
						1.0	0.2	186	26.1		7.9		28.8		97.7		6.7		8.1		6		-				-		-	
					Middle	4.1	0.2	187	26.1	26.1	7.9	7.9	28.9	28.9	92.9	92.9	6.4		7.7		4		-				-		-	
						4.1	0.2	195	26.1		7.9		28.9		92.8		6.4		7.8		4		-				-		-	
					Bottom	7.1	0.3	213	26.1	26.1	7.9	7.9	29.7	29.7	92.0	92.1	6.3	6.3	8.9		6		-				-		-	
						7.1	0.3	224	26.1		7.9		29.7		92.1		6.3		9.0		7		-				-		-	
SR5A	Fine	Moderate	20:55	4.3	Surface	1.0	0.1	210	26.1	26.1	7.9	7.9	28.8	28.8	97.6	97.6	6.7	6.7	7.8	7.9	4	5	-	-	816573	810692	-	-	-	-
						1.0	0.1	223	26.1		7.9		28.8		97.6		6.7		7.9		4		-				-		-	
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.2	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	215	26.1	26.1	7.9	7.9	29.1	29.1	98.0	98.1	6.7	6.7	7.8		6		-				-		-	
						3.3	0.1	223	26.1		7.9		29.1		98.1		6.7		7.9		6		-				-		-	
SR6	Fine	Moderate	21:14	4.5	Surface	1.0	0.1	145	26.1	26.1	7.9	7.9	28.8	28.8	98.1	98.1	6.8	6.8	7.5	7.5	9	9	-	-	817886	814647	-	-	-	-
						1.0	0.2	156	26.1		7.9		28.8		98.1		6.8		7.5		9		-				-		-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	153	26.1	26.2	7.9	7.9	29.0	29.0	98.3	98.3	6.8	6.8	7.6		9		-				-		-	
						3.5	0.1	165	26.2		7.9		28.9		98.3		6.8		7.4		9		-				-		-	
SR7	Cloudy	Moderate	21:47	18.9	Surface	1.0	0.3	190	23.5	23.5	7.9	7.9	31.3	31.3	92.3	92.3	6.6	6.6	2.1	2.6	4	4	-	-	823622	823744	-	-	-	-
						1.0	0.3	200	23.5		7.9		31.3		92.3		6.6		2.1		4		-				-		-	
					Middle	9.5	0.2	184	23.7	23.7	7.9	7.9	31.5	31.5	92.8	92.8	6.6		2.5		5		-				-		-	
						9.5	0.2	195	23.7		7.9		31.5		92.8		6.6		2.5		4		-				-		-	
					Bottom	17.9	0.2	179	23.7	23.7	7.9	7.9	31.5	31.5	94.2	94.3	6.7	6.7	3.1		5		-				-		-	
						17.9	0.2	188	23.7		7.9		31.5		94.3		6.7		3.1		4		-				-		-	
SR8	Cloudy	Moderate	20:32	5.1	Surface	1.0	0.3	191	23.6	23.6	7.9	7.9	27.7	27.7	101.3	101.3	7.3	7.3	3.8	4.8	6	6	-	-	820413	811612	-	-	-	-
						1.0	0.3	198	23.6		7.9		27.7		101.2		7.3		3.9		5		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.3	191	23.3	23.3	7.9	7.9	29.1	29.1	100.0	100.0	7.2	7.2	5.7		6		-				-		-	
						4.1	0.3	196	23.3		7.9		29.1		100.0		7.2		5.7		5		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 10 November 16 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Rainy	Moderate	15:42	8.1	Surface	1.0	0.4	183	25.1	25.1	7.9	7.9	31.0	31.0	98.1	98.1	6.8	6.8	8.2	8.4	12	13	85	88	815625	804230	<0.2	<0.2	0.8	0.9
						1.0	0.4	199	25.1		7.9		31.0		98.1		6.8		8.2		10		85				<0.2		0.8	
					Middle	4.1	0.5	174	25.1	25.1	7.8	7.8	30.9	30.9	98.4	98.5	6.8		8.3		14		88				<0.2		0.8	
						4.1	0.5	185	25.1		7.8		30.9		98.5		6.8		8.4		12		89				<0.2		0.7	
					Bottom	7.1	0.4	160	25.1	25.1	7.8	7.8	30.5	30.5	102.0	102.1	7.1	7.1	8.6		14		91				<0.2		0.9	
						7.1	0.4	171	25.1		7.8		30.5		102.1		7.1		8.7		14		92				<0.2		1.2	
C2	Rainy	Moderate	14:18	10.2	Surface	1.0	0.5	178	22.2	22.2	7.9	7.9	29.4	29.4	95.3	95.3	7.0	7.0	5.7	11.1	5	8	85	90	825694	806933	<0.2	<0.2	1.0	0.9
						1.0	0.5	188	22.2		7.9		29.4		95.3		7.0		5.8		4		84				<0.2		1.0	
					Middle	5.1	0.4	193	22.5	22.5	7.9	7.9	30.1	30.1	95.8	95.8	7.0		7.6		7		93				<0.2		0.9	
						5.1	0.4	199	22.5		7.9		30.1		95.8		7.0		7.7		5		92				<0.2		0.9	
					Bottom	9.2	0.3	210	22.5	22.5	7.9	7.9	30.4	30.4	97.4	97.5	7.1	7.1	19.7		13		94				<0.2		0.8	
						9.2	0.3	221	22.5		7.9		30.4		97.5		7.1		20.1		12		94				<0.2		0.9	
C3	Cloudy	Moderate	16:22	12.2	Surface	1.0	0.3	253	22.8	22.8	8.0	8.0	31.3	31.3	91.1	91.1	6.6	6.6	3.1	5.0	3	5	89	93	822093	817784	<0.2	<0.2	0.9	0.8
						1.0	0.3	277	22.8		8.0		31.3		91.0		6.6		3.2		2		88				<0.2		0.8	
					Middle	6.1	0.3	259	23.0	23.0	8.0	8.0	31.6	31.6	90.3	90.3	6.5		5.4		4		94				<0.2		0.8	
						6.1	0.3	278	23.0		8.0		31.6		90.3		6.5		5.5		6		94				<0.2		0.8	
					Bottom	11.2	0.3	269	23.1	23.1	8.0	8.0	31.6	31.6	90.6	90.6	6.5	6.5	6.4		7		96				<0.2		0.7	
						11.2	0.3	291	23.1		8.0		31.6		90.5		6.5		6.5		6		95				<0.2		0.8	
IM1	Rainy	Moderate	15:19	6.9	Surface	1.0	0.5	173	25.3	25.3	7.8	7.8	30.8	30.8	96.2	96.3	6.6	6.7	7.1	8.6	8	10	87	89	818357	806449	<0.2	<0.2	0.8	0.8
						1.0	0.5	184	25.3		7.8		30.8		96.3		6.6		7.1		10		87				<0.2		0.8	
					Middle	3.5	0.5	194	25.3	25.3	7.8	7.8	30.8	30.8	97.1	97.2	6.7		8.3		11		88				<0.2		0.8	
						3.5	0.5	197	25.3		7.8		30.8		97.2		6.7		8.3		12		88				<0.2		0.8	
					Bottom	5.9	0.5	200	25.3	25.3	7.7	7.7	30.4	30.4	103.7	103.9	7.2	7.2	10.5		10		90				<0.2		0.7	
						5.9	0.5	210	25.3		7.7		30.4		104.0		7.2		10.5		11		91				<0.2		0.7	
IM2	Rainy	Moderate	15:14	7.8	Surface	1.0	0.6	216	24.9	24.9	7.8	7.8	30.2	30.2	99.2	99.3	6.9	7.0	4.0	4.4	7	8	87	91	818840	806191	<0.2	<0.2	1.0	1.2
						1.0	0.6	224	24.9		7.8		30.2		99.3		6.9		4.0		8		88				<0.2		0.9	
					Middle	3.9	0.6	218	24.9	24.9	7.8	7.8	30.1	30.1	99.8	99.9	7.0		4.2		8		91				<0.2		1.1	
						3.9	0.6	220	24.9		7.8		30.1		99.9		7.0		4.2		8		92				<0.2		1.3	
					Bottom	6.8	0.5	228	24.9	24.9	7.7	7.7	29.9	29.9	104.6	105.2	7.3	7.4	5.0		8		94				<0.2		1.5	
						6.8	0.5	233	24.9		7.7		29.8		105.8		7.4		4.8		8		94				<0.2		1.5	
IM3	Rainy	Moderate	15:08	9.1	Surface	1.0	0.5	223	25.0	25.0	7.8	7.8	30.0	30.0	98.5	98.5	6.9	6.9	5.1	5.5	9	9	87	90	819406	806036	<0.2	<0.2	1.2	1.4
						1.0	0.5	236	25.0		7.8		29.9		98.5		6.9		5.0		9		86				<0.2		1.1	
					Middle	4.6	0.4	225	25.0	25.0	7.8	7.8	29.9	29.9	99.4	99.4	6.9		5.4		10		89				<0.2		1.5	
						4.6	0.4	237	25.0		7.8		29.9		99.4		6.9		5.4		9		89				<0.2		1.3	
					Bottom	8.1	0.3	229	25.0	25.0	7.6	7.6	29.5	29.5	104.2	104.3	7.3	7.3	5.9		9		93				<0.2		1.4	
						8.1	0.3	232	25.0		7.6		29.5		104.4		7.3		5.9		9		93				<0.2		1.6	
IM4	Rainy	Moderate	14:46	7.2	Surface	1.0	0.7	135	25.0	25.0	7.8	7.8	30.2	30.2	97.9	97.9	6.8	6.9	7.0	7.4	10	11	88	91	819581	805052	<0.2	<0.2	1.5	1.4
						1.0	0.8	136	25.0		7.8		30.2		97.8		6.8		6.9		11		89				<0.2		1.5	
					Middle	3.6	0.5	149	25.0	25.0	7.7	7.7	30.1	30.1	99.0	99.0	6.9		7.4		12		91				<0.2		1.0	
						3.6	0.5	156	25.0		7.7		30.1		99.0		6.9		7.4		10		92				<0.2		1.2	
					Bottom	6.2	0.6	158	25.0	25.0	7.7	7.7	29.8	29.8	102.2	102.7	7.1	7.2	7.8		11		94				<0.2		1.5	
						6.2	0.6	161	25.0		7.7		29.8		103.1		7.2		7.9		12		93				<0.2		1.6	
IM5	Rainy	Moderate	14:38	7.4	Surface	1.0	0.5	211	24.9	24.9	7.7	7.7	29.8	29.8	97.4	97.4	6.8	6.8	12.1	13.7	18	20	87	89	820565	804913	<0.2	<0.2	1.7	1.6
						1.0	0.6	217	24.9		7.7		29.8		97.4		6.8		12.2		18		87				<0.2		1.5	
					Middle	3.7	0.6	220	24.9	24.9	7.7	7.7	29.7	29.7	97.7	97.8	6.8		13.1		22		89				<0.2		1.7	
						3.7	0.6	239	24.9		7.7		29.7		97.8		6.8		13.3		21		89				<0.2		1.5	
					Bottom	6.4	0.6	224	25.0	25.0	7.7	7.7	29.5	29.5	101.2	101.3	7.1	7.1	15.7		20		91				<0.2		1.6	
						6.4	0.6	239	24.9		7.7		29.5		101.3		7.1		15.7		20		92				<0.2		1.6	
IM6	Fine	Moderate	14:31	6.3	Surface	1.0	0.5	230	25.0	25.0	7.8	7.8	29.9	29.9	98.0	98.0	6.8	6.9	7.4	8.0	12	13	88	91	821071	805827	<0.2	<0.2	1.5	1.5
						1.0	0.5	243	25.0		7.8		29.9		98.0		6.8		7.5		13		89				<0.2		1.4	
					Middle	3.2	0.5	232	25.1	25.1	7.7	7.7	29.8	29.8	99.1	99.1	6.9		8.0		12		91				<0.2		1.2	
						3.2	0.6	240	25.1		7.7		29.8		99.1		6.9		8.0		14		92				<0.2		1.4	
					Bottom	5.3	0.7	241	25.0	25.0	7.6	7.6	29.5	29.5	102.9	103.0	7.2	7.2	8.5		12		93				<0.2		1.6	
						5.3	0.8	248	25.0		7.6		29.5		103.1		7.2		8.5		15		93				<0.2		1.6	
IM7	Fine	Moderate	14:17	7.6	Surface	1.0	0.5	221	25.4	25.4	7.8	7.8	30.3	30.3	93.9	94.0	6.5	6.5	8.7	10.9	12	17	86	89	821340	806819	<0.2	<0.2	1.7	1.4
						1.0	0.6	237	25.4		7.8		30.3		94.0		6.5		8.8		15		87				<0.2		1.8	
					Middle	3.8	0.6	214	25.4	25.4	7.8	7.8	30.2	30.2	94.5	94.5	6.5		10.6		19		89				<0.2		0.9	
						3.8	0.6	220	25.4		7.8		30.2		94.5		6.5		10.7		22		89				<0.2		1.2	
					Bottom	6.6	0.5	218	25.5	25.5	7.8	7.8	30.0	30.0	96.7	96.8	6.7	6.7	13.4		18		90				<0.2		1.4	
						6.6	0.5	229	25.4		7.8		30.0		96.9		6.7		13.4		18		91				<0.2		1.3	
IM8	Cloudy	Moderate	14:51	7.9	Surface	1.0	0.3	226	22.7	22.7	8.0	8.0	30.8	30.8	96.4	96.4	7.0	7.0	3.7	4.1	4	6	85	90	821713	807832	<0.2	<0.2	1.4	1.3
						1.0	0.3	241	22.7		8.0		30.8		96.3		7.0		3.7		6		84				<0.2		1.2	
					Middle	4.0	0.3	225	22.7	22.7	8.0	8.0	30.8	30.8	97.2	97.2	7.0		3.9		6		93				<0.2		1.5	
						4.0	0.3	237	22.7		8.0		30.8		97.2		7.0		3.9		6		92				<0.2		1.4	
					Bottom	6.9	0.3	219	22.8	22.8	8.0	8.0	30.8	30.8	99.3	99.3	7.2	7.2	4.8		6		94				<0.2		1.1	
						6.9	0.3	239	22.8		8.0		30.8		99.3		7.2		4.8		6		94				<0.2		1.0	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 10 November 16 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	15:02	6.8	Surface	1.0	0.3	232	22.7	22.7	8.0	8.0	30.9	30.9	96.7	96.7	7.0	7.0	3.7	4.3	5	6	85	91	822111	808803	<0.2	<0.2	1.0	0.9
						1.0	0.3	251	22.7		8.0		30.9		96.7		7.0		3.8		5		85				<0.2		1.0	
					Middle	3.4	0.3	238	22.8	22.8	8.0	8.0	30.9	30.9	97.2	97.2	7.0		4.1		5		93				<0.2		0.9	
						3.4	0.3	247	22.8		8.0		30.9		97.2		7.0		4.1		5		93				<0.2		0.9	
					Bottom	5.8	0.3	244	22.8	22.8	8.0	8.0	30.9	30.9	99.5	99.6	7.2	7.2	4.9		8		95				<0.2		0.9	
						5.8	0.3	265	22.8		8.0		30.9		99.6		7.2		4.9		7		94				<0.2		0.8	
IM10	Cloudy	Moderate	15:11	6.9	Surface	1.0	0.3	227	22.7	22.7	8.0	8.0	30.8	30.8	97.0	97.0	7.0	7.1	3.5	3.6	6	6	86	91	822247	809838	<0.2	<0.2	0.9	0.9
						1.0	0.3	235	22.7		8.0		30.8		97.0		7.0		3.4		6		86				<0.2		1.0	
					Middle	3.5	0.3	247	22.7	22.7	8.0	8.0	30.8	30.8	98.5	98.5	7.1		3.7		5		93				<0.2		1.0	
						3.5	0.3	264	22.7		8.0		30.8		98.5		7.1		3.7		5		93				<0.2		0.9	
					Bottom	5.9	0.3	227	22.7	22.7	8.0	8.0	30.8	30.8	101.1	101.2	7.3	7.3	3.7		7		94				<0.2		0.9	
						5.9	0.3	237	22.7		8.0		30.8		101.2		7.3		3.7		6		95				<0.2		0.9	
IM11	Cloudy	Moderate	15:21	7.9	Surface	1.0	0.4	256	22.4	22.4	8.0	8.0	30.8	30.8	99.1	99.1	7.2	7.2	4.3	6.1	7	7	86	92	821517	810534	<0.2	<0.2	1.0	1.1
						1.0	0.5	280	22.4		8.0		30.8		99.1		7.2		4.3		5		87				<0.2		1.1	
					Middle	4.0	0.4	257	22.4	22.4	8.0	8.0	30.8	30.8	99.1	99.1	7.2		6.8		9		93				<0.2		0.9	
						4.0	0.4	275	22.4		8.0		30.8		99.1		7.2		7.0		7		93				<0.2		1.0	
					Bottom	6.9	0.4	257	22.3	22.3	8.0	8.0	30.9	30.9	100.4	100.5	7.3	7.3	7.2		8		95				<0.2		1.1	
						6.9	0.4	270	22.3		8.0		30.9		100.5		7.3		7.1		8		95				<0.2		1.2	
IM12	Cloudy	Moderate	15:31	8.4	Surface	1.0	0.4	267	22.3	22.3	8.0	8.0	30.7	30.7	98.4	98.4	7.2	7.2	4.1	5.0	4	5	87	92	821181	811535	<0.2	<0.2	0.8	1.0
						1.0	0.4	281	22.3		8.0		30.7		98.3		7.2		4.1		5		87				<0.2		0.9	
					Middle	4.2	0.4	266	22.3	22.3	8.0	8.0	30.8	30.8	98.5	98.5	7.2		4.7		4		93				<0.2		1.0	
						4.2	0.4	281	22.3		8.0		30.8		98.5		7.2		4.7		4		93				<0.2		0.9	
					Bottom	7.4	0.4	260	22.3	22.3	8.0	8.0	30.8	30.8	99.0	99.1	7.2	7.2	6.3		5		95				<0.2		1.2	
						7.4	0.4	271	22.3		8.0		30.8		99.1		7.2		6.3		6		94				<0.2		1.1	
SR2	Cloudy	Moderate	15:56	4.7	Surface	1.0	0.3	235	22.6	22.6	7.9	7.9	31.1	31.1	94.4	94.4	6.8	6.8	5.7	5.9	6	7	88	92	821453	814159	<0.2	<0.2	0.9	0.9
						1.0	0.3	250	22.6		7.9		31.1		94.4		6.8		5.7		6		88				<0.2		0.8	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.3	258	22.7	22.7	7.9	7.9	31.1	31.1	95.7	95.7	6.9	6.9	6.0		7		95				<0.2		1.0	
						3.7	0.3	262	22.7		7.9		31.1		95.7		6.9		6.1		8		95				<0.2		0.9	
SR3	Rainy	Moderate	14:44	8.3	Surface	1.0	0.4	202	22.6	22.6	8.0	8.0	30.5	30.5	97.6	97.7	7.1	7.1	3.1	3.4	3	6	-	-	822163	807586	-	-	-	-
						1.0	0.4	218	22.6		8.0		30.5		97.7		7.1		3.0		5		-				-		-	
					Middle	4.2	0.4	215	22.6	22.6	8.0	8.0	30.5	30.5	98.4	98.4	7.1		3.3		6		-				-		-	
						4.2	0.4	229	22.6		8.0		30.5		98.4		7.1		3.3		5		-				-		-	
					Bottom	7.3	0.4	237	22.7	22.7	7.9	7.9	30.6	30.6	105.2	105.2	7.6	7.6	3.7		8		-				-		-	
						7.3	0.4	237	22.7		7.9		30.6		105.2		7.6		3.7		10		-				-		-	
SR4A	Rainy	Moderate	16:06	7.5	Surface	1.0	0.3	247	24.9	24.9	7.7	7.7	29.6	29.6	94.4	94.5	6.6	6.7	13.9	13.8	13	18	-	-	817191	807814	-	-	-	-
						1.0	0.3	254	24.9		7.7		29.6		94.5		6.6		13.7		15		-				-		-	
					Middle	3.8	0.3	252	24.9	24.9	7.7	7.7	29.4	29.4	96.5	96.5	6.8		13.5		17		-				-		-	
						3.8	0.3	267	24.9		7.7		29.4		96.5		6.8		13.6		19		-				-		-	
					Bottom	6.5	0.3	220	24.9	24.9	7.6	7.6	29.1	29.1	101.9	102.0	7.1	7.2	14.1		23		-				-		-	
						6.5	0.3	241	24.9		7.6		29.1		102.1		7.2		14.0		21		-				-		-	
SR5A	Rainy	Moderate	16:25	4.2	Surface	1.0	0.3	291	24.8	24.8	7.6	7.6	28.9	28.9	97.0	97.1	6.8	6.8	6.2	6.4	9	10	-	-	816575	810682	-	-	-	-
						1.0	0.3	306	24.8		7.6		28.9		97.1		6.8		6.2		8		-				-		-	
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.1	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.3	291	24.8	24.8	7.5	7.5	28.4	28.4	104.1	104.2	7.3	7.4	6.5		11		-				-		-	
						3.2	0.3	291	24.8		7.5		28.4		104.3		7.4		6.5		10		-				-		-	
SR6	Rainy	Moderate	16:50	4.1	Surface	1.0	0.1	232	24.6	24.6	7.7	7.7	29.2	29.2	91.8	91.8	6.5	6.5	14.2	17.9	21	22	-	-	817885	814681	-	-	-	-
						1.0	0.1	248	24.6		7.7		29.2		91.8		6.5		14.3		19		-				-		-	
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.1	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.2	231	24.6	24.6	7.7	7.7	29.1	29.1	94.0	94.0	6.6	6.6	21.4		25		-				-		-	
						3.1	0.2	238	24.6		7.7		29.1		94.0		6.6		21.5		23		-				-		-	
SR7	Cloudy	Moderate	16:59	18.1	Surface	1.0	0.3	100	23.1	23.1	8.0	8.0	31.7	31.7	91.2	91.3	6.5	6.5	4.3	4.8	8	8	-	-	823648	823750	-	-	-	-
						1.0	0.3	102	23.1		8.0		31.7		91.3		6.5		4.4		7		-				-		-	
					Middle	9.1	0.3	83	23.2	23.2	8.0	8.0	31.7	31.7	91.2	91.2	6.5		5.0		8		-				-		-	
						9.1	0.3	90	23.2		8.0		31.7		91.2		6.5		4.7		9		-				-		-	
					Bottom	17.1	0.2	114	23.2	23.2	8.0	8.0	31.8	31.8	92.0	92.1	6.6	6.6	5.3		9		-				-		-	
						17.1	0.2	123	23.2		8.0		31.8		92.1		6.6		4.9		8		-				-		-	
SR8	Cloudy	Moderate	15:39	4.7	Surface	1.0	0.3	247	22.4	22.4	8.0	8.0	30.8	30.8	97.0	97.1	7.0	7.1	8.4	9.0	12	12	-	-	820421	811605	-	-	-	-
						1.0	0.4	255	22.4		8.0		30.8		97.1		7.1		8.4		11		-				-		-	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.3	230	22.4	22.4	8.0	8.0	30.8	30.8	97.6	97.7	7.1	7.1	9.5		13		-				-		-	
						3.7	0.3	235	22.4		7.9		30.8		97.7		7.1		9.6		12		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 10 November 16 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Rainy	Moderate	08:12	8.2	Surface	1.0	0.7	199	25.0	25.0	7.9	7.9	30.9	30.9	99.9	99.9	6.9	6.9	9.5	9.5	13	14	85	87	815627	804239	<0.2	<0.2	0.7	0.8
						1.0	0.7	216	25.0		7.9		30.9		99.8		6.9		9.3		14		85				<0.2		0.8	
					Middle	4.1	0.7	220	25.0	25.0	7.9	7.9	30.8	30.8	100.1	100.1	6.9		9.6		13		86				<0.2		0.7	
						4.1	0.8	239	25.0		7.9		30.8		100.1		6.9		9.7		15		87				<0.2		0.7	
					Bottom	7.2	0.7	217	25.0	25.0	7.8	7.8	30.6	30.6	101.1	101.2	7.0	7.0	9.4		13		90				<0.2		0.9	
						7.2	0.7	228	25.0		7.8		30.6		101.2		7.0		9.5		14		91				<0.2		1.0	
C2	Rainy	Moderate	10:01	11.3	Surface	1.0	0.6	179	22.2	22.2	7.9	7.9	29.8	29.8	97.1	97.1	7.1	7.1	4.3	8.9	3	3	84	91	825676	806946	<0.2	<0.2	1.3	1.1
						1.0	0.6	181	22.2		7.9		29.8		97.1		7.1		4.3		3		85				<0.2		1.1	
					Middle	5.7	0.6	177	22.3	22.3	7.9	7.9	30.1	30.1	97.5	97.5	7.1		6.7		3		92				<0.2		1.0	
						5.7	0.6	189	22.3		7.9		30.1		97.5		7.1		6.8		3		92				<0.2		1.1	
					Bottom	10.3	0.4	182	22.5	22.5	7.9	7.9	30.5	30.5	102.2	102.3	7.4	7.4	15.9		4		95				<0.2		0.9	
						10.3	0.4	199	22.5		7.9		30.5		102.3		7.4		15.1		3		95				<0.2		0.9	
C3	Cloudy	Moderate	07:42	11.7	Surface	1.0	0.3	94	23.1	23.1	7.9	7.9	31.5	31.5	91.7	91.7	6.5	6.6	5.0	4.7	3	5	92	94	822118	817810	<0.2	<0.2	0.6	0.9
						1.0	0.4	98	23.1		7.9		31.5		91.7		6.5		5.0		5		91				<0.2		0.7	
					Middle	5.9	0.3	90	23.1	23.1	7.9	7.9	31.6	31.6	93.2	93.2	6.7		4.4		6		93				<0.2		1.1	
						5.9	0.4	98	23.1		7.9		31.6		93.2		6.7		4.3		6		93				<0.2		1.2	
					Bottom	10.7	0.4	104	23.1	23.1	7.9	7.9	31.6	31.6	95.7	95.8	6.8	6.8	4.8		4		96				<0.2		0.9	
						10.7	0.4	114	23.1		7.9		31.6		95.9		6.8		4.9		5		96				<0.2		0.8	
IM1	Rainy	Moderate	08:39	6.8	Surface	1.0	0.5	189	24.9	24.9	7.9	7.9	30.4	30.4	98.7	98.8	6.9	7.0	5.1	6.0	6	7	85	87	818340	806465	<0.2	<0.2	1.4	1.2
						1.0	0.5	205	24.9		7.9		30.4		98.8		6.9		5.2		6		85				<0.2		1.4	
					Middle	3.4	0.5	183	24.9	25.0	7.8	7.8	30.2	30.2	99.9	100.0	7.0		6.1		6		86				<0.2		1.1	
						3.4	0.5	200	25.0		7.8		30.2		100.0		7.0		6.1		6		87				<0.2		1.0	
					Bottom	5.8	0.5	184	24.9	24.9	7.7	7.7	29.8	29.8	102.5	102.6	7.1	7.2	6.6		9		89				<0.2		1.2	
						5.8	0.5	196	24.9		7.7		29.8		102.6		7.2		6.6		10		90				<0.2		1.1	
IM2	Rainy	Moderate	08:45	7.9	Surface	1.0	0.5	208	25.1	25.1	7.9	7.9	30.7	30.7	98.1	98.1	6.8	6.8	6.3	6.4	7	8	85	89	818836	806201	<0.2	<0.2	1.6	1.3
						1.0	0.5	213	25.1		7.9		30.7		98.1		6.8		6.3		7		86				<0.2		1.6	
					Middle	4.0	0.5	202	25.1	25.1	7.9	7.9	30.6	30.6	98.3	98.4	6.8		6.3		7		88				<0.2		1.0	
						4.0	0.5	221	25.1		7.9		30.6		98.4		6.8		6.4		7		89				<0.2		1.2	
					Bottom	6.9	0.5	198	25.1	25.1	7.8	7.8	30.3	30.3	101.3	101.3	7.0	7.0	6.5		10		91				<0.2		1.1	
						6.9	0.5	209	25.1		7.8		30.3		101.3		7.0		6.5		9		92				<0.2		1.2	
IM3	Rainy	Moderate	08:54	8.1	Surface	1.0	0.7	221	24.9	24.9	7.9	7.9	30.2	30.2	98.2	98.2	6.8	6.8	4.8	5.8	6	8	88	91	819424	806027	<0.2	<0.2	1.3	1.5
						1.0	0.8	238	24.9		7.9		30.2		98.2		6.8		4.8		7		88				<0.2		1.4	
					Middle	4.1	0.6	213	25.0	25.0	7.9	7.9	30.3	30.3	98.4	98.4	6.8		6.0		7		91				<0.2		1.7	
						4.1	0.6	222	25.0		7.9		30.3		98.4		6.8		6.1		6		91				<0.2		1.8	
					Bottom	7.1	0.5	204	25.0	25.0	7.8	7.8	30.1	30.1	100.5	100.6	7.0	7.0	6.5		13		94				<0.2		1.4	
						7.1	0.6	208	25.0		7.8		30.1		100.6		7.0		6.5		11		93				<0.2		1.4	
IM4	Rainy	Moderate	09:06	7.5	Surface	1.0	0.5	214	24.9	24.9	7.9	7.9	30.3	30.3	98.6	98.6	6.9	6.9	10.2	11.8	14	17	86	89	819580	805044	<0.2	<0.2	1.1	1.4
						1.0	0.5	230	24.9		7.9		30.2		98.5		6.9		10.2		13		86				<0.2		1.1	
					Middle	3.8	0.5	211	24.9	24.9	7.9	7.9	30.1	30.1	99.1	99.2	6.9		11.4		14		89				<0.2		1.6	
						3.8	0.6	231	24.9		7.9		30.1		99.2		6.9		11.5		14		89				<0.2		1.7	
					Bottom	6.5	0.4	209	24.9	24.9	7.8	7.8	29.8	29.8	101.8	102.3	7.1	7.2	13.8		23		92				<0.2		1.5	
						6.5	0.5	210	24.9		7.8		29.8		102.8		7.2		13.9		22		92				<0.2		1.5	
IM5	Rainy	Moderate	09:15	6.3	Surface	1.0	0.5	191	24.9	24.9	7.9	7.9	29.9	29.9	97.9	97.9	6.8	6.9	13.6	15.3	19	22	88	92	820556	804926	<0.2	<0.2	1.0	1.0
						1.0	0.5	201	24.9		7.9		29.9		97.9		6.8		13.6		20		89				<0.2		0.9	
					Middle	3.2	0.5	194	24.9	24.9	7.8	7.8	29.8	29.8	98.7	98.7	6.9		15.6		22		91				<0.2		0.8	
						3.2	0.5	204	24.9		7.8		29.8		98.7		6.9		15.6		20		93				<0.2		0.9	
					Bottom	5.3	0.4	208	24.9	24.9	7.8	7.8	29.6	29.6	101.2	101.8	7.1	7.2	17.2		23		94				<0.2		1.2	
						5.3	0.5	226	24.9		7.8		29.5		102.4		7.2		16.2		25		94				<0.2		1.0	
IM6	Rainy	Moderate	09:24	6.4	Surface	1.0	0.5	203	24.9	24.9	7.9	7.9	29.9	29.9	97.6	97.7	6.8	6.9	8.3	9.2	13	13	85	88	821079	805842	<0.2	<0.2	1.1	1.0
						1.0	0.5	213	24.9		7.9		29.9		97.7		6.8		8.4		12		85				<0.2		1.0	
					Middle	3.2	0.4	215	24.9	24.9	7.8	7.8	29.9	29.9	98.7	98.7	6.9		9.1		13		87				<0.2		1.1	
						3.2	0.5	232	24.9		7.8		29.9		98.7		6.9		9.0		13		88				<0.2		1.0	
					Bottom	5.4	0.4	228	25.0	25.0	7.8	7.8	29.7	29.7	101.4	101.5	7.1	7.1	10.1		13		90				<0.2		0.9	
						5.4	0.5	232	25.0		7.8		29.7		101.5		7.1		10.2		13		91				<0.2		0.9	
IM7	Rainy	Moderate	09:33	6.8	Surface	1.0	0.4	210	25.3	25.3	7.8	7.8	30.2	30.2	94.3	94.3	6.5	6.5	8.2	10.9	13	19	86	89	821335	806852	<0.2	<0.2	0.8	0.9
						1.0	0.4	228	25.3		7.8		30.2		94.2		6.5		8.1		12		87				<0.2		0.8	
					Middle	3.4	0.4	214	25.3	25.3	7.8	7.8	30.2	30.2	94.4	94.4	6.5		9.0		22		88				<0.2		1.0	
						3.4	0.4	232	25.3		7.8		30.2		94.4		6.5		9.2		22		89				<0.2		0.9	
					Bottom	5.8	0.4	216	25.3	25.3	7.8	7.8	30.0	30.0	96.6	96.7	6.7	6.7	15.5		24		92				<0.2		0.9	
						5.8	0.4	230	25.3		7.8		29.9		96.7		6.7		15.4		22		93				<0.2		1.0	
IM8	Rainy	Moderate	09:17	6.8	Surface	1.0	0.6	184	22.4	22.4	8.0	8.0	30.5	30.5	100.1	100.2	7.3	7.4	5.3	5.0	6	5	85	91	821704	807825	<0.2	<0.2	1.3	1.1
						1.0	0.6	193	22.4		8.0		30.5		100.2		7.3		5.3		5		85				<0.2		1.1	
					Middle	3.4	0.4	196	22.4	22.4	8.0	8.0	30.5	30.5	101.2	101.3	7.4		5.1		6		92				<0.2		1.0	
						3.4	0.5	203	22.4		8.0		30.5		101.3		7.4		5.1		5		92				<0.2		1.0	
					Bottom	5.8	0.5	220	22.4	22.4	7.9	7.9	30.6	30.6	104.1	104.2	7.6	7.6	4.5		5		95				<0.2		1.2	
						5.8	0.5	230	22.4		7.9		30.6		104.2		7.6		4.4		5		95				<0.2		1.0	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 10 November 16 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Rainy	Moderate	09:08	6.8	Surface	1.0	0.6	170	22.2	22.2	8.0	8.0	30.4	30.4	100.5	100.5	7.3	7.4	3.1	3.8	3	4	86	91	822092	808828	<0.2	<0.2	1.1	1.0
						1.0	0.6	183	22.2		8.0		30.4		100.5		7.3		3.0		4		86				<0.2		1.0	
					Middle	3.4	0.5	172	22.3	22.3	8.0	8.0	30.4	30.4	101.1	101.1	7.4		3.6		4		92				<0.2		0.8	
						3.4	0.5	175	22.3		8.0		30.4		101.1		7.4		3.6		3		92				<0.2		0.9	
					Bottom	5.8	0.4	205	22.3	22.3	8.0	8.0	30.7	30.7	103.8	104.0	7.6	7.6	5.0		5		95				<0.2		1.1	
						5.8	0.5	205	22.3		7.9		30.7		104.1		7.6		4.7		5		95				<0.2		1.2	
IM10	Rainy	Moderate	08:58	7.1	Surface	1.0	0.5	151	22.4	22.4	8.0	8.0	30.6	30.6	98.8	98.9	7.2	7.2	4.2	5.5	3	7	87	92	822230	809829	<0.2	<0.2	0.8	0.9
						1.0	0.5	163	22.4		8.0		30.6		98.9		7.2		4.2		3		87				<0.2		0.8	
					Middle	3.6	0.4	142	22.4	22.4	8.0	8.0	30.6	30.6	98.9	99.0	7.2		5.4		7		93				<0.2		1.1	
						3.6	0.5	147	22.4		8.0		30.6		99.0		7.2		5.4		8		93				<0.2		0.9	
					Bottom	6.1	0.3	175	22.4	22.4	8.0	8.0	30.8	30.8	100.0	100.0	7.3	7.3	6.8		10		95				<0.2		0.9	
						6.1	0.3	183	22.4		8.0		30.8		100.0		7.3		6.8		8		94				<0.2		0.8	
IM11	Rainy	Moderate	08:47	6.9	Surface	1.0	0.4	129	22.3	22.3	8.0	8.0	30.6	30.6	99.0	99.0	7.2	7.2	3.7	6.0	2	10	89	92	821514	810530	<0.2	<0.2	0.8	0.9
						1.0	0.4	131	22.3		8.0		30.6		99.0		7.2		3.8		4		88				<0.2		0.9	
					Middle	3.5	0.4	115	22.4	22.4	8.0	8.0	30.8	30.8	98.9	98.9	7.2		5.4		7		93				<0.2		1.0	
						3.5	0.4	124	22.4		8.0		30.8		98.9		7.2		5.5		9		93				<0.2		0.9	
					Bottom	5.9	0.4	96	22.5	22.5	8.0	8.0	31.1	31.1	100.1	100.2	7.3	7.3	8.8		18		95				<0.2		0.9	
						5.9	0.4	96	22.5		8.0		31.1		100.2		7.3		8.9		20		94				<0.2		1.0	
IM12	Rainy	Moderate	08:36	8.9	Surface	1.0	0.5	117	22.6	22.6	7.9	7.9	30.7	30.7	95.3	95.3	6.9	6.9	5.1	6.2	9	9	88	92	821156	811536	<0.2	<0.2	0.9	0.9
						1.0	0.5	121	22.6		7.9		30.7		95.3		6.9		5.2		7		89				<0.2		0.8	
					Middle	4.5	0.4	123	22.6	22.6	7.9	7.9	30.7	30.7	95.2	95.3	6.9		5.7		9		93				<0.2		0.9	
						4.5	0.4	124	22.6		7.9		30.7		95.3		6.9		5.8		7		92				<0.2		0.9	
					Bottom	7.9	0.3	129	22.7	22.7	7.9	7.9	30.8	30.8	95.7	95.7	6.9	6.9	7.8		12		95				<0.2		0.8	
						7.9	0.3	136	22.7		7.9		30.8		95.7		6.9		7.8		10		95				<0.2		0.9	
SR2	Rainy	Moderate	08:09	4.5	Surface	1.0	0.5	122	22.8	22.8	7.9	7.9	31.2	31.2	93.2	93.2	6.7	6.7	5.6	6.8	8	10	89	92	821447	814156	<0.2	<0.2	0.8	0.8
						1.0	0.5	134	22.8		7.9		31.2		93.2		6.7		5.6		9		86				<0.2		0.9	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.5	111	22.9	22.9	7.9	7.9	31.3	31.3	94.4	94.4	6.8	6.8	7.9		11		96				<0.2		0.8	
						3.5	0.5	117	22.9		7.9		31.3		94.4		6.8		7.9		13		96				<0.2		0.8	
SR3	Rainy	Moderate	09:25	8.4	Surface	1.0	0.6	189	22.3	22.3	8.0	8.0	30.5	30.5	98.5	98.5	7.2	7.2	6.1	9.1	6	9	-	-	822140	807576	-	-	-	-
						1.0	0.6	206	22.3		8.0		30.5		98.4		7.2		6.2		8		-				-		-	
					Middle	4.2	0.4	191	22.3	22.3	8.0	8.0	30.5	30.5	98.7	98.7	7.2		9.2		9		-				-		-	
						4.2	0.5	198	22.3		8.0		30.5		98.7		7.2		9.3		11		-				-		-	
					Bottom	7.4	0.3	205	22.5	22.5	8.0	8.0	30.8	30.8	99.6	99.9	7.2	7.3	11.8		9		-				-		-	
						7.4	0.3	210	22.5		8.0		30.8		100.2		7.3		12.0		9		-				-		-	
SR4A	Rainy	Moderate	07:51	7.8	Surface	1.0	0.2	178	25.0	25.0	7.8	7.8	30.4	30.4	95.4	95.4	6.6	6.7	7.5	8.2	12	11	-	-	817189	807814	-	-	-	-
						1.0	0.3	189	25.0		7.8		30.4		95.4		6.6		7.5		11		-				-		-	
					Middle	3.9	0.2	173	25.0	25.0	7.8	7.8	30.4	30.4	95.8	95.8	6.7		7.6		11		-				-		-	
						3.9	0.3	184	25.0		7.8		30.4		95.8		6.7		7.7		10		-				-		-	
					Bottom	6.8	0.2	156	25.1	25.1	7.8	7.8	30.4	30.4	96.4	96.5	6.7	6.7	9.4		12		-				-		-	
						6.8	0.3	169	25.1		7.8		30.4		96.5		6.7		9.5		10		-				-		-	
SR5A	Rainy	Moderate	12:32	3.5	Surface	1.0	0.1	152	24.8	24.8	7.7	7.7	29.1	29.0	91.6	91.9	6.4	6.5	4.5	4.8	4	5	-	-	816592	810714	-	-	-	-
						1.0	0.1	158	24.8		7.7		28.8		92.2		6.5		4.9		5		-				-		-	
					Middle	1.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						1.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	0.1	145	24.8	24.8	7.7	7.7	28.8	28.8	92.2	92.3	6.5	6.5	4.9		5		-				-		-	
						2.5	0.2	158	24.8		7.6		28.8		92.3		6.5		4.9		6		-				-		-	
SR6	Fine	Moderate	07:04	3.9	Surface	1.0	0.3	127	24.7	24.7	7.6	7.6	28.7	28.7	95.6	95.6	6.8	6.8	4.1	4.1	7	6	-	-	817905	814675	-	-	-	-
						1.0	0.3	131	24.7		7.6		28.7		95.6		6.8		4.2		6		-				-		-	
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.0	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.2	138	24.7	24.7	7.4	7.4	28.0	28.0	100.5	100.6	7.1	7.1	4.1		6		-				-		-	
						2.9	0.2	151	24.6		7.4		28.0		100.7		7.1		4.1		6		-				-		-	
SR7	Cloudy	Moderate	07:06	19.3	Surface	1.0	0.4	67	23.2	23.2	7.9	7.9	31.6	31.6	92.3	92.3	6.6	6.6	4.1	4.9	7	7	-	-	823650	823755	-	-	-	-
						1.0	0.4	68	23.2		7.9		31.6		92.3		6.6		4.2		5		-				-		-	
					Middle	9.7	0.8	67	23.2	23.2	7.9	7.9	31.7	31.7	92.4	92.4	6.6		4.5		7		-				-		-	
						9.7	0.9	67	23.2		7.9		31.7		92.4		6.6		4.5		6		-				-		-	
					Bottom	18.3	1.6	79	23.2	23.2	7.9	7.9	31.7	31.7	93.2	93.3	6.6	6.6	6.1		9		-				-		-	
						18.3	1.7	82	23.2		7.9		31.7		93.3		6.6		6.2		7		-				-		-	
SR8	Rainy	Moderate	08:28	4.9	Surface	1.0	0.3	160	23.0	23.0	7.9	7.9	30.7	30.7	93.4	93.4	6.7	6.7	8.4	11.0	5	9	-	-	820426	811596	-	-	-	-
						1.0	0.3	170	23.0		7.9		30.7		93.4		6.7		8.3		6		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.2	161	22.9	22.9	7.9	7.9	30.9	30.9	95.5	95.6	6.9	6.9	13.6		14		-				-		-	
						3.9	0.3	170	22.9		7.9		30.9		95.6		6.9		13.6		12		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 12 November 16 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	16:28	7.8	Surface	1.0	0.4	214	24.9	24.9	8.0	8.0	31.4	31.4	100.4	100.4	6.9	6.9	8.2	11.8	11	16	86	91	815638	804264	<0.2	<0.2	0.8	0.7
						1.0	0.5	214	24.9		8.0		31.4		100.3		6.9		8.3		12		87				<0.2		0.8	
					Middle	3.9	0.3	226	24.8	24.8	7.9	7.9	31.2	31.2	99.7	99.7	6.9		12.1		11		90				<0.2		0.6	
						3.9	0.3	239	24.8		7.9		31.1		99.7		6.9		12.2		13		92				<0.2		0.6	
					Bottom	6.8	0.4	217	24.7	24.7	7.9	7.9	30.7	30.7	101.2	101.3	7.1	7.1	14.9		26		94				<0.2		0.7	
						6.8	0.4	229	24.7		7.9		30.7		101.3		7.1		14.8		24		95				<0.2		0.8	
C2	Fine	Moderate	15:24	9.1	Surface	1.0	0.9	190	22.3	22.3	7.9	7.9	29.8	29.8	95.9	95.9	7.0	7.0	5.5	10.5	4	7	84	90	825669	806937	<0.2	<0.2	1.0	0.9
						1.0	1.0	195	22.3		7.9		29.8		95.9		7.0		5.6		3		84				<0.2		1.0	
					Middle	4.6	0.7	189	22.2	22.2	7.9	7.9	30.5	30.5	94.9	94.9	6.9		9.0		5		93				<0.2		0.9	
						4.6	0.7	200	22.2		7.9		30.4		94.9		6.9		9.0		7		92				<0.2		0.9	
					Bottom	8.1	0.6	185	22.0	22.0	7.9	7.9	30.6	30.6	94.4	94.4	6.9	6.9	16.9		11		95				<0.2		0.8	
						8.1	0.6	197	22.0		7.9		30.6		94.4		6.9		16.8		12		94				<0.2		0.9	
C3	Fine	Moderate	17:28	11.0	Surface	1.0	0.4	258	22.4	22.4	8.0	8.0	31.6	31.6	95.4	95.4	6.9	6.9	5.8	10.1	6	8	88	92	822116	817801	<0.2	<0.2	0.8	0.7
						1.0	0.4	266	22.4		8.0		31.6		95.4		6.9		5.8		5		87				<0.2		0.7	
					Middle	5.5	0.4	251	22.1	22.1	8.0	8.0	31.6	31.6	95.0	95.0	6.9		8.2		10		94				<0.2		0.8	
						5.5	0.4	270	22.1		8.0		31.6		95.0		6.9		8.2		9		93				<0.2		0.6	
					Bottom	10.0	0.3	255	22.0	22.0	8.0	8.0	31.6	31.6	94.5	94.5	6.9	6.9	16.2		9		96				<0.2		0.7	
						10.0	0.4	273	22.0		8.0		31.6		94.5		6.9		16.1		9		95				<0.2		0.8	
IM1	Fine	Moderate	16:06	6.8	Surface	1.0	0.5	204	24.6	24.6	8.0	8.0	31.3	31.3	97.5	97.5	6.8	6.8	6.9	8.4	12	13	86	89	818357	806448	<0.2	<0.2	0.8	0.9
						1.0	0.5	206	24.6		8.0		31.3		97.5		6.8		7.0		12		86				<0.2		0.9	
					Middle	3.4	0.5	200	24.5	24.5	7.9	7.9	31.2	31.2	97.4	97.4	6.8		8.6		12		89				<0.2		0.9	
						3.4	0.5	219	24.5		7.9		31.2		97.4		6.8		8.6		12		89				<0.2		0.9	
					Bottom	5.8	0.5	204	24.4	24.4	7.9	7.9	31.0	31.0	98.8	98.9	6.9	6.9	9.8		15		91				<0.2		0.9	
						5.8	0.5	215	24.4		7.9		31.0		98.9		6.9		9.5		16		92				<0.2		0.8	
IM2	Fine	Moderate	16:00	7.4	Surface	1.0	0.7	222	24.6	24.6	7.9	7.9	30.9	30.9	97.5	97.5	6.8	6.8	9.0	10.3	14	17	88	91	818865	806204	<0.2	<0.2	1.1	1.1
						1.0	0.8	231	24.6		7.9		30.9		97.5		6.8		9.0		15		88				<0.2		0.9	
					Middle	3.7	0.7	216	24.6	24.6	7.9	7.9	30.8	30.8	97.5	97.5	6.8		10.3		15		90				<0.2		0.9	
						3.7	0.7	231	24.6		7.9		30.8		97.5		6.8		10.4		14		91				<0.2		1.1	
					Bottom	6.4	0.6	214	24.6	24.6	7.9	7.9	30.6	30.6	99.1	99.2	6.9	6.9	11.6		22		94				<0.2		1.1	
						6.4	0.7	228	24.6		7.9		30.6		99.2		6.9		11.5		22		93				<0.2		1.2	
IM3	Fine	Moderate	15:53	5.2	Surface	1.0	0.6	216	24.6	24.6	7.9	7.9	30.9	30.9	96.6	96.6	6.7	6.8	17.5	19.5	27	26	86	89	819430	806010	<0.2	<0.2	1.3	1.1
						1.0	0.7	218	24.6		7.9		30.9		96.5		6.7		17.5		25		86				<0.2		1.3	
					Middle	2.6	0.6	218	24.6	24.6	7.9	7.9	30.8	30.8	96.9	96.9	6.8		20.2		27		89				<0.2		1.2	
						2.6	0.6	218	24.6		7.9		30.8		96.8		6.8		20.1		25		90				<0.2		1.2	
					Bottom	4.2	0.7	219	24.6	24.7	7.9	7.9	30.6	30.6	97.7	97.7	6.8	6.8	20.9		26		92				<0.2		0.7	
						4.2	0.7	232	24.7		7.9		30.6		97.7		6.8		20.7		24		92				<0.2		0.6	
IM4	Fine	Moderate	15:45	7.2	Surface	1.0	0.6	221	24.7	24.7	7.9	7.9	31.1	31.1	98.9	98.9	6.9	6.9	8.3	12.9	19	23	86	89	819570	805046	<0.2	<0.2	0.7	0.8
						1.0	0.6	222	24.7		7.9		31.1		98.9		6.9		8.5		17		86				<0.2		0.7	
					Middle	3.6	0.6	216	24.6	24.6	7.9	7.9	31.1	31.1	98.9	99.0	6.9		12.0		19		88				<0.2		0.9	
						3.6	0.6	216	24.6		7.9		31.1		99.0		6.9		12.1		19		88				<0.2		1.0	
					Bottom	6.2	0.5	217	24.6	24.6	7.9	7.9	30.8	30.8	100.5	100.5	7.0	7.0	18.4		32		91				<0.2		0.7	
						6.2	0.5	227	24.6		7.9		30.8		100.5		7.0		17.9		30		92				<0.2		0.6	
IM5	Fine	Moderate	15:38	6.2	Surface	1.0	0.6	216	24.5	24.5	7.9	7.9	31.3	31.3	98.8	98.8	6.9	6.9	13.4	18.2	21	23	85	87	820578	804943	<0.2	<0.2	0.9	0.9
						1.0	0.6	222	24.5		7.9		31.3		98.8		6.9		13.6		23		85				<0.2		1.0	
					Middle	3.1	0.6	217	24.5	24.5	7.9	7.9	31.2	31.2	98.6	98.7	6.9		17.5		22		87				<0.2		0.8	
						3.1	0.6	228	24.5		7.9		31.2		98.7		6.9		17.5		21		87				<0.2		0.9	
					Bottom	5.2	0.5	217	24.4	24.4	7.9	7.9	31.2	31.2	98.4	98.4	6.9	6.9	23.8		25		88				<0.2		0.8	
						5.2	0.6	229	24.4		7.9		31.2		98.4		6.9		23.6		23		89				<0.2		1.0	
IM6	Fine	Moderate	15:30	6.2	Surface	1.0	0.5	229	24.6	24.6	7.9	7.9	30.9	30.9	98.6	98.6	6.9	6.9	7.5	9.0	13	16	86	89	821044	805844	<0.2	<0.2	1.1	1.0
						1.0	0.5	233	24.6		7.9		30.9		98.6		6.9		7.6		12		87				<0.2		1.0	
					Middle	3.1	0.4	225	24.6	24.6	7.9	7.9	30.9	30.9	98.9	98.9	6.9		8.3		16		89				<0.2		0.9	
						3.1	0.4	235	24.6		7.9		30.9		98.9		6.9		8.4		16		90				<0.2		0.8	
					Bottom	5.2	0.4	217	24.5	24.5	7.9	7.9	30.7	30.7	100.1	100.2	7.0	7.0	11.0		21		92				<0.2		0.9	
						5.2	0.4	234	24.5		7.9		30.7		100.2		7.0		10.9		20		92				<0.2		1.1	
IM7	Fine	Moderate	15:24	7.3	Surface	1.0	0.9	212	24.8	24.8	7.9	7.9	30.7	30.7	97.3	97.3	6.8	6.8	7.9	15.7	12	24	86	88	821365	806822	<0.2	<0.2	1.2	1.0
						1.0	0.9	217	24.8		7.9		30.7		97.3		6.8		8.0		14		86				<0.2		1.0	
					Middle	3.7	0.7	220	24.7	24.7	7.9	7.9	30.6	30.6	96.8	96.8	6.8		15.1		23		88				<0.2		0.8	
						3.7	0.7	228	24.7		7.9		30.6		96.8		6.8		15.2		25		88				<0.2		0.8	
					Bottom	6.3	0.7	213	24.5	24.5	7.9	7.9	30.5	30.5	97.0	97.0	6.8	6.8	24.0		34		91				<0.2		1.1	
						6.3	0.7	213	24.5		7.9		30.5		97.0		6.8		24.2		36		91				<0.2		1.1	
IM8	Fine	Moderate	15:59	7.6	Surface	1.0	0.6	203	22.4	22.4	8.0	8.0	31.2	31.2	97.4	97.4	7.1	7.1	6.6	15.2	20	23	85	91	821694	807821	<0.2	<0.2	1.1	1.2
						1.0	0.6	210	22.4		8.0		31.2		97.4		7.1		6.7		18		85				<0.2		1.1	
					Middle	3.8	0.5	210	22.0	22.0	8.0	8.0	31.3	31.3	95.5	95.5	7.0		13.7		25		93				<0.2		1.0	
						3.8	0.6	218	22.0		8.0		31.3		95.5		7.0		13.7		25		92				<0.2		1.2	
					Bottom	6.6	0.4	207	21.9	21.9	8.0	8.0	31.3	31.3	95.1	95.1	6.9	6.9	25.2		23		94				<0.2		1.4	
						6.6	0.4	224	21.9		8.0		31.3		95.1		6.9		25.1		24		95				<0.2		1.2	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 12 November 16 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	16:10	6.5	Surface	1.0	0.5	201	22.5	22.5	8.0	8.0	31.2	31.2	97.2	97.2	7.0	7.0	4.6	9.7	6	9	85	91	822093	808825	<0.2	<0.2	1.1	1.1
						1.0	0.5	209	22.5		8.0		31.2		97.2		7.0		4.6		7		86				<0.2		1.0	
					Middle	3.3	0.4	201	22.3	22.3	8.0	8.0	31.3	31.3	96.6	96.6	7.0		6.4		9		92				<0.2		1.2	
						3.3	0.4	213	22.3		8.0		31.3		96.6		7.0		6.4		11		93				<0.2		1.3	
					Bottom	5.5	0.3	202	22.0	22.0	8.0	8.0	31.3	31.3	95.8	95.8	7.0	7.0	18.1		11		95				<0.2		1.1	
						5.5	0.4	203	22.0		8.0		31.3		95.8		7.0		18.1		10		95				<0.2		1.1	
IM10	Fine	Moderate	16:19	5.2	Surface	1.0	0.3	178	22.6	22.6	8.0	8.0	31.2	31.2	96.6	96.6	7.0	7.0	4.8	8.5	10	10	86	91	822229	809850	<0.2	<0.2	1.3	1.2
						1.0	0.4	189	22.6		8.0		31.2		96.6		7.0		4.8		8		86				<0.2		1.1	
					Middle	2.6	0.3	184	22.2	22.2	8.0	8.0	31.3	31.3	95.3	95.3	6.9		8.7		12		93				<0.2		1.1	
						2.6	0.3	188	22.2		8.0		31.3		95.3		6.9		8.8		10		93				<0.2		1.0	
					Bottom	4.2	0.3	185	22.1	22.1	8.0	8.0	31.3	31.3	95.4	95.4	6.9	6.9	12.0		10		95				<0.2		1.5	
						4.2	0.3	185	22.1		8.0		31.3		95.4		6.9		11.9		10		95				<0.2		1.3	
IM11	Fine	Moderate	16:28	7.8	Surface	1.0	0.4	213	22.3	22.3	8.0	8.0	31.3	31.3	97.1	97.1	7.0	7.1	6.4	9.1	13	13	86	91	821503	810529	<0.2	<0.2	1.7	1.4
						1.0	0.4	227	22.3		8.0		31.3		97.1		7.0		6.4		11		86				<0.2		1.5	
					Middle	3.9	0.3	216	22.0	22.0	8.0	8.0	31.2	31.2	96.5	96.5	7.1		9.3		11		93				<0.2		1.6	
						3.9	0.4	216	21.9		8.0		31.2		96.5		7.1		9.4		10		93				<0.2		1.6	
					Bottom	6.8	0.3	206	21.7	21.7	8.0	8.0	31.3	31.3	96.6	96.6	7.1	7.1	11.4		16		94				<0.2		1.1	
						6.8	0.3	207	21.7		8.0		31.3		96.6		7.1		11.4		15		95				<0.2		1.0	
IM12	Fine	Moderate	16:38	8.0	Surface	1.0	0.3	209	22.2	22.2	8.0	8.0	31.2	31.2	98.5	98.5	7.2	7.2	5.7	7.5	13	13	87	92	821174	811522	<0.2	<0.2	1.3	1.1
						1.0	0.3	211	22.2		8.0		31.2		98.5		7.2		5.6		12		87				<0.2		1.3	
					Middle	4.0	0.2	237	21.8	21.8	8.0	8.0	31.4	31.4	98.6	98.6	7.2		7.9		10		93				<0.2		1.0	
						4.0	0.3	246	21.8		8.0		31.4		98.6		7.2		7.9		12		93				<0.2		1.0	
					Bottom	7.0	0.3	224	21.7	21.7	8.0	8.0	31.6	31.6	98.7	98.7	7.2	7.2	9.0		13		95				<0.2		1.0	
						7.0	0.3	229	21.7		8.0		31.6		98.7		7.2		9.0		15		95				<0.2		1.1	
SR2	Fine	Moderate	17:03	4.1	Surface	1.0	0.3	287	22.1	22.1	8.0	8.0	31.6	31.6	99.4	99.4	7.2	7.2	7.5	9.9	10	14	88	91	821468	814163	<0.2	<0.2	0.8	0.8
						1.0	0.3	294	22.1		8.0		31.6		99.4		7.2		7.6		12		87				<0.2		0.8	
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.1	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.3	275	21.8	21.8	8.0	8.0	31.7	31.7	99.8	99.8	7.3	7.3	12.4		15		95				<0.2		0.7	
						3.1	0.3	283	21.8		8.0		31.7		99.8		7.3		12.2		17		95				<0.2		0.7	
SR3	Fine	Moderate	15:53	8.1	Surface	1.0	0.7	196	22.5	22.5	8.0	8.0	30.9	30.9	97.7	97.7	7.1	7.1	5.7	16.8	7	9	-	-	822138	807569	-	-	-	-
						1.0	0.7	213	22.5		8.0		30.9		97.7		7.1		5.7		9		-				-		-	
					Middle	4.1	0.6	204	22.1	22.1	8.0	8.0	31.2	31.2	95.8	95.8	7.0		13.4		7		-				-		-	
						4.1	0.6	208	22.1		8.0		31.2		95.8		7.0		13.5		8		-				-		-	
					Bottom	7.1	0.4	206	22.0	22.0	8.0	8.0	31.2	31.2	94.9	94.9	6.9	6.9	31.3		13		-				-		-	
						7.1	0.5	218	22.0		8.0		31.2		94.9		6.9		31.1		11		-				-		-	
SR4A	Fine	Moderate	16:52	7.5	Surface	1.0	0.6	251	24.4	24.5	7.9	7.9	30.7	30.7	96.9	96.9	6.8	6.8	17.2	17.6	27	28	-	-	817178	807806	-	-	-	-
						1.0	0.6	259	24.5		7.9		30.7		96.8		6.8		16.9		25		-				-		-	
					Middle	3.8	0.6	250	24.4	24.4	7.9	7.9	30.5	30.6	97.2	97.2	6.8		17.5		29		-				-		-	
						3.8	0.6	267	24.4		7.9		30.6		97.2		6.8		17.7		29		-				-		-	
					Bottom	6.5	0.5	254	24.5	24.5	7.8	7.8	30.2	30.2	99.3	99.4	7.0	7.0	18.2		28		-				-		-	
						6.5	0.5	261	24.5		7.8		30.2		99.4		7.0		18.2		28		-				-		-	
SR5A	Fine	Moderate	17:11	3.7	Surface	1.0	0.3	286	24.4	24.4	7.8	7.8	30.0	30.0	95.5	95.5	6.7	6.7	18.1	13.3	18	19	-	-	816575	810704	-	-	-	-
						1.0	0.3	310	24.4		7.8		30.0		95.5		6.7		18.1		20		-				-		-	
					Middle	1.9	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						1.9	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.3	287	24.4	24.4	7.8	7.8	29.7	29.7	97.6	97.7	6.9	6.9	8.5		20		-				-		-	
						2.7	0.3	298	24.4		7.8		29.7		97.7		6.9		8.5		19		-				-		-	
SR6	Fine	Moderate	17:37	3.9	Surface	1.0	0.2	224	25.3	25.3	7.8	7.8	30.2	30.2	96.4	96.5	6.7	6.7	13.3	13.8	23	24	-	-	817881	814658	-	-	-	-
						1.0	0.2	229	25.3		7.8		30.2		96.5		6.7		13.2		23		-				-		-	
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.0	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.2	258	25.3	25.3	7.7	7.7	29.8	29.8	100.7	101.0	7.0	7.0	14.3		23		-				-		-	
						2.9	0.2	274	25.3		7.7		29.8		101.2		7.0		14.2		25		-				-		-	
SR7	Fine	Moderate	18:08	20.1	Surface	1.0	0.3	91	22.8	22.8	8.0	8.0	32.0	32.0	91.5	91.6	6.6	6.6	8.1	7.4	11	14	-	-	823632	823752	-	-	-	-
						1.0	0.3	97	22.8		8.0		32.0		91.6		6.6		7.9		12		-				-		-	
					Middle	10.1	0.4	72	22.8	22.8	8.0	8.0	32.0	32.0	91.4	91.4	6.5		7.1		14		-				-		-	
						10.1	0.4	73	22.8		8.0		32.0		91.4		6.5		7.2		14		-				-		-	
					Bottom	19.1	0.3	57	22.9	22.9	8.0	8.0	31.9	31.9	91.8	91.9	6.6	6.6	7.1		16		-				-		-	
						19.1	0.3	61	22.9		8.0		31.9		91.9		6.6		7.2		18		-				-		-	
SR8	Fine	Moderate	16:46	4.7	Surface	1.0	0.3	238	22.2	22.2	8.0	8.0	31.2	31.2	99.7	99.7	7.3	7.3	6.0	9.3	8	9	-	-	820397	811597	-	-	-	-
						1.0	0.3	258	22.2		8.0		31.2		99.7		7.3		6.0		8		-				-		-	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.3	252	21.8	21.8	8.0	8.0	31.5	31.5	97.9	97.9	7.2	7.2	12.6		9		-				-		-	
						3.7	0.3	252	21.8		8.0		31.5		97.9		7.2		12.6		10		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 12 November 16 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	10:11	8.5	Surface	1.0	0.6	224	25.1	25.1	7.9	7.9	31.3	31.3	99.2	99.2	6.8	6.9	7.2	11.8	13	19	85	88	815620	804241	<0.2	<0.2	0.7	0.8
						1.0	0.7	240	25.1		7.9		31.3		99.2		6.8		7.3		12		85				<0.2		0.8	
					Middle	4.3	0.6	228	24.7	24.7	7.8	7.8	31.0	31.0	98.6	98.6	6.9		12.5		22		88				<0.2		0.6	
						4.3	0.7	248	24.7		7.8		31.0		98.6		6.9		12.5		20		88				<0.2		0.7	
					Bottom	7.5	0.6	219	24.7	24.7	7.8	7.8	30.4	30.4	100.8	100.9	7.0	7.1	15.5		24		91				<0.2		0.9	
						7.5	0.6	224	24.7		7.8		30.4		100.9		7.1		15.5		25		92				<0.2		0.9	
C2	Fine	Moderate	12:01	11.2	Surface	1.0	0.9	169	22.2	22.2	8.0	8.0	30.6	30.6	95.8	95.8	7.0	6.9	4.6	14.1	6	6	85	91	825683	806954	<0.2	<0.2	1.1	1.2
						1.0	0.9	177	22.2		8.0		30.6		95.7		7.0		4.7		6		85				<0.2		1.2	
					Middle	5.6	0.8	167	22.1	22.1	8.0	8.0	31.1	31.1	93.8	93.8	6.8		8.4		8		92				<0.2		1.3	
						5.6	0.8	169	22.1		8.0		31.1		93.8		6.8		8.4		6		93				<0.2		1.3	
					Bottom	10.2	0.7	167	22.1	22.1	8.0	8.0	31.4	31.4	92.9	92.9	6.8	6.8	29.6		6		95				<0.2		1.0	
						10.2	0.7	177	22.1		8.0		31.4		92.9		6.8		28.9		6		95				<0.2		1.0	
C3	Fine	Moderate	09:41	11.9	Surface	1.0	0.3	119	22.7	22.7	8.0	8.0	31.8	31.8	91.4	91.4	6.6	6.6	4.9	6.7	6	7	89	93	822097	817798	<0.2	<0.2	0.9	1.0
						1.0	0.3	124	22.7		8.0		31.8		91.3		6.6		5.0		6		89				<0.2		1.0	
					Middle	6.0	0.4	96	22.7	22.7	8.0	8.0	31.8	31.8	91.1	91.1	6.5		5.9		6		92				<0.2		0.9	
						6.0	0.4	104	22.7		8.0		31.8		91.1		6.5		5.9		8		94				<0.2		0.9	
					Bottom	10.9	0.5	74	22.8	22.8	8.0	8.0	32.0	32.0	91.6	91.8	6.6	6.6	9.1		9		95				<0.2		1.3	
						10.9	0.5	76	22.8		7.9		32.0		91.9		6.6		9.2		8		96				<0.2		1.1	
IM1	Fine	Moderate	10:37	5.2	Surface	1.0	0.7	188	24.5	24.5	7.9	7.9	31.1	31.1	97.8	97.8	6.8	6.8	10.8	14.3	19	24	87	89	818368	806461	<0.2	<0.2	0.8	1.1
						1.0	0.7	200	24.5		7.9		31.1		97.8		6.8		11.0		19		87				<0.2		0.9	
					Middle	2.6	0.6	189	24.5	24.5	7.9	7.9	30.8	30.8	97.9	97.9	6.8		15.7		25		88				<0.2		1.3	
						2.6	0.6	198	24.5		7.9		30.8		97.9		6.8		15.9		23		88				<0.2		1.4	
					Bottom	4.2	0.5	186	24.5	24.5	7.8	7.8	30.5	30.5	99.0	99.1	6.9	6.9	16.1		28		90				<0.2		1.0	
						4.2	0.6	204	24.5		7.8		30.5		99.1		6.9		16.1		30		91				<0.2		1.2	
IM2	Fine	Moderate	10:45	7.8	Surface	1.0	0.7	200	24.6	24.6	7.9	7.9	31.3	31.3	98.8	98.8	6.9	6.9	11.6	12.6	17	19	86	89	818842	806173	<0.2	<0.2	1.2	1.1
						1.0	0.7	218	24.6		7.9		31.3		98.7		6.9		11.5		18		86				<0.2		1.1	
					Middle	3.9	0.7	202	24.6	24.6	7.9	7.9	31.2	31.2	98.7	98.8	6.9		11.9		19		89				<0.2		1.0	
						3.9	0.8	211	24.6		7.9		31.2		98.8		6.9		12.1		19		89				<0.2		1.0	
					Bottom	6.8	0.7	198	24.6	24.6	7.9	7.9	30.9	30.9	99.8	99.8	7.0	7.0	14.2		21		92				<0.2		1.2	
						6.8	0.7	213	24.6		7.9		30.9		99.8		7.0		14.0		22		92				<0.2		1.2	
IM3	Fine	Moderate	10:54	7.9	Surface	1.0	0.7	217	24.6	24.6	7.9	7.9	31.3	31.3	99.1	99.1	6.9	6.9	9.8	12.6	10	16	87	90	819397	806004	<0.2	<0.2	1.1	1.2
						1.0	0.7	234	24.6		7.9		31.3		99.1		6.9		9.9		11		88				<0.2		1.2	
					Middle	4.0	0.7	215	24.6	24.6	7.9	7.9	31.3	31.3	99.0	99.0	6.9		12.2		16		90				<0.2		1.2	
						4.0	0.7	229	24.6		7.9		31.3		99.0		6.9		12.4		17		92				<0.2		1.2	
					Bottom	6.9	0.7	210	24.6	24.6	7.9	7.9	31.3	31.3	99.0	99.0	6.9	6.9	15.6		21		92				<0.2		1.2	
						6.9	0.8	216	24.6		7.9		31.2		99.0		6.9		15.5		22		93				<0.2		1.3	
IM4	Fine	Moderate	11:00	7.4	Surface	1.0	0.7	214	24.6	24.6	7.9	7.9	31.5	31.5	99.4	99.4	6.9	6.9	17.6	20.6	28	30	87	89	819573	805023	<0.2	<0.2	1.3	1.0
						1.0	0.7	230	24.6		7.9		31.5		99.4		6.9		17.6		26		87				<0.2		1.2	
					Middle	3.7	0.6	213	24.6	24.6	7.9	7.9	31.4	31.4	99.4	99.4	6.9		20.2		28		89				<0.2		0.9	
						3.7	0.6	219	24.6		7.9		31.4		99.4		6.9		20.4		30		89				<0.2		0.8	
					Bottom	6.4	0.6	211	24.6	24.6	7.9	7.9	31.1	31.1	100.6	100.6	7.0	7.0	24.1		35		92				<0.2		0.8	
						6.4	0.6	223	24.6		7.9		31.0		100.6		7.0		23.6		34		92				<0.2		0.8	
IM5	Fine	Moderate	11:12	6.3	Surface	1.0	0.6	208	24.6	24.6	7.9	7.9	31.4	31.4	100.2	100.2	7.0	7.0	11.3	13.7	18	22	86	88	820571	804938	<0.2	<0.2	0.6	0.8
						1.0	0.6	222	24.6		7.9		31.4		100.2		7.0		11.3		18		86				<0.2		0.7	
					Middle	3.2	0.5	212	24.6	24.6	7.9	7.9	31.3	31.3	100.0	100.0	7.0		12.9		20		88				<0.2		0.7	
						3.2	0.6	220	24.6		7.9		31.3		100.0		7.0		13.0		20		89				<0.2		0.6	
					Bottom	5.3	0.5	210	24.5	24.5	7.9	7.9	31.3	31.3	99.7	99.7	6.9	6.9	16.7		28		90				<0.2		1.0	
						5.3	0.6	218	24.5		7.9		31.3		99.7		6.9		16.7		27		91				<0.2		1.0	
IM6	Fine	Moderate	11:22	6.2	Surface	1.0	0.5	213	24.6	24.6	7.9	7.9	31.3	31.3	99.1	99.1	6.9	6.9	12.6	17.2	21	26	87	91	821057	805843	<0.2	<0.2	1.0	0.9
						1.0	0.6	220	24.6		7.9		31.3		99.1		6.9		12.7		21		87				<0.2		0.8	
					Middle	3.1	0.5	209	24.5	24.5	7.9	7.9	31.3	31.3	98.9	98.9	6.9		14.4		25		92				<0.2		0.9	
						3.1	0.5	220	24.5		7.9		31.3		98.9		6.9		14.5		26		93				<0.2		0.8	
					Bottom	5.2	0.4	211	24.4	24.4	7.9	7.9	31.2	31.2	98.6	98.6	6.9	6.9	24.4		29		94				<0.2		0.9	
						5.2	0.5	216	24.4		7.9		31.2		98.6		6.9		24.3		31		95				<0.2		1.0	
IM7	Fine	Moderate	11:33	7.7	Surface	1.0	0.7	204	24.7	24.7	7.9	7.9	30.7	30.7	96.9	96.9	6.8	6.8	7.5	11.4	9	11	87	89	821362	806839	<0.2	<0.2	1.2	1.3
						1.0	0.8	210	24.7		7.9		30.6		96.9		6.8		7.5		8		87				<0.2		0.9	
					Middle	3.9	0.7	212	24.5	24.6	7.9	7.9	30.6	30.6	97.2	97.2	6.8		12.2		13		89				<0.2		1.3	
						3.9	0.7	224	24.6		7.9		30.6		97.2		6.8		12.3		12		89				<0.2		1.4	
					Bottom	6.7	0.5	219	24.5	24.5	7.9	7.9	30.4	30.4	98.8	98.9	6.9	6.9	14.5		11		92				<0.2		1.4	
						6.7	0.6	228	24.5		7.9		30.4		98.9		6.9		14.3		11		92				<0.2		1.4	
IM8	Fine	Moderate	11:14	8.0	Surface	1.0	0.6	192	21.9	21.9	8.0	8.0	31.1	31.1	97.7	97.8	7.2	7.2	7.9	13.7	9	12	85	91	821676	807824	<0.2	<0.2	1.3	1.2
						1.0	0.6	198	21.9		8.0		31.1		97.8		7.2		7.9		10		84				<0.2		1.4	
					Middle	4.0	0.5	186	21.7	21.7	8.0	8.0	31.3	31.3	97.7	97.8	7.2		10.6		9		92				<0.2		1.1	
						4.0	0.5	190	21.7		8.0		31.3		97.8		7.2		11.1		9		92				<0.2		1.1	
					Bottom	7.0	0.3	193	21.6	21.6	8.0	8.0	31.7	31.7	98.2	98.2	7.2	7.2	22.5		18		95				<0.2		1.2	
						7.0	0.3	197	21.6		8.0		31.7		98.2		7.2		22.3		16		95				<0.2		1.2	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 12 November 16 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	11:05	7.2	Surface	1.0	0.5	179	21.8	21.8	8.0	8.0	31.2	31.2	98.0	98.0	7.2	7.2	6.6	12.3	8	11	85	91	822094	808819	<0.2	<0.2	1.5	1.3
						1.0	0.6	196	21.8		8.0		31.2		98.0		7.2		6.6		8		85				<0.2		1.5	
					Middle	3.6	0.5	155	21.8	21.8	8.0	8.0	31.2	31.2	97.7	97.8	7.2		7.5		10		92				<0.2		1.4	
						3.6	0.5	164	21.8		8.0		31.2		97.8		7.2		7.6		12		93				<0.2		1.4	
					Bottom	6.2	0.4	145	21.5	21.5	8.0	8.0	31.7	31.7	98.3	98.3	7.2	7.2	22.7		14		96				<0.2		0.9	
						6.2	0.4	150	21.5		8.0		31.7		98.3		7.2		22.8		12		95				<0.2		1.0	
IM10	Fine	Moderate	10:55	7.5	Surface	1.0	0.5	152	21.8	21.8	8.0	8.0	31.3	31.3	97.9	97.9	7.2	7.2	5.7	9.3	6	12	86	91	822249	809844	<0.2	<0.2	1.0	1.2
						1.0	0.6	152	21.8		8.0		31.3		97.9		7.2		5.8		8		85				<0.2		1.1	
					Middle	3.8	0.5	127	21.6	21.6	8.0	8.0	31.5	31.5	97.4	97.4	7.1		8.1		11		92				<0.2		1.1	
						3.8	0.5	134	21.6		8.0		31.5		97.4		7.1		8.1		11		93				<0.2		1.2	
					Bottom	6.5	0.4	113	21.6	21.6	8.0	8.0	31.6	31.6	97.7	97.7	7.2	7.2	13.9		20		96				<0.2		1.3	
						6.5	0.4	116	21.6		8.0		31.6		97.6		7.2		14.0		18		95				<0.2		1.3	
IM11	Fine	Moderate	10:44	7.2	Surface	1.0	0.6	106	21.8	21.8	8.0	8.0	31.7	31.7	99.3	99.3	7.3	7.3	7.7	16.8	12	15	86	91	821483	810563	<0.2	<0.2	1.5	0.9
						1.0	0.7	114	21.8		8.0		31.7		99.3		7.3		7.7		12		87				<0.2		1.5	
					Middle	3.6	0.6	93	21.7	21.7	8.0	8.0	31.7	31.7	98.8	98.8	7.2		9.0		15		93				<0.2		0.6	
						3.6	0.6	94	21.7		8.0		31.7		98.8		7.2		9.0		14		92				<0.2		0.7	
					Bottom	6.2	0.5	97	21.6	21.6	8.0	8.0	31.9	31.9	98.5	98.6	7.2	7.2	34.1		17		95				<0.2		0.6	
						6.2	0.5	98	21.6		8.0		31.9		98.6		7.2		33.5		17		95				<0.2		0.7	
IM12	Fine	Moderate	10:33	9.2	Surface	1.0	0.5	94	21.7	21.7	8.0	8.0	31.6	31.6	98.5	98.5	7.2	7.2	6.8	13.2	7	11	87	92	821148	811523	<0.2	<0.2	0.8	1.1
						1.0	0.6	96	21.7		8.0		31.6		98.5		7.2		6.9		6		86				<0.2		0.9	
					Middle	4.6	0.5	97	21.6	21.6	8.0	8.0	31.7	31.7	98.1	98.1	7.2		12.1		10		93				<0.2		1.3	
						4.6	0.6	103	21.6		8.0		31.7		98.1		7.2		12.2		11		93				<0.2		1.2	
					Bottom	8.2	0.5	102	21.6	21.6	8.0	8.0	31.8	31.8	97.8	97.9	7.2	7.2	21.1		17		95				<0.2		1.1	
						8.2	0.5	102	21.6		8.0		31.8		97.9		7.2		20.3		15		95				<0.2		1.2	
SR2	Fine	Moderate	10:08	4.8	Surface	1.0	0.4	68	22.4	22.4	7.9	7.9	31.5	31.5	92.2	92.2	6.7	6.7	9.5	11.2	14	14	87	92	821471	814159	<0.2	<0.2	0.9	0.8
						1.0	0.5	70	22.4		7.9		31.5		92.2		6.7		9.6		14		89				<0.2		0.8	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.4	56	22.4	22.4	7.9	7.9	31.6	31.6	92.8	92.8	6.7	6.7	12.8		13		96				<0.2		0.7	
						3.8	0.4	57	22.4		7.9		31.6		92.8		6.7		12.8		13		95				<0.2		0.7	
SR3	Fine	Moderate	11:21	8.5	Surface	1.0	0.8	225	21.9	21.9	8.0	8.0	31.2	31.2	97.5	97.5	7.1	7.2	7.4	11.0	10	10	-	-	822159	807581	-	-	-	-
						1.0	0.9	243	21.9		8.0		31.2		97.5		7.1		7.4		8		-				-		-	
					Middle	4.3	0.6	179	21.8	21.8	8.0	8.0	31.3	31.3	97.8	97.8	7.2		8.9		11		-				-		-	
						4.3	0.6	179	21.8		8.0		31.3		97.8		7.2		8.9		10		-				-		-	
					Bottom	7.5	0.4	186	21.6	21.6	8.0	8.0	31.8	31.8	98.3	98.3	7.2	7.2	16.6		11		-				-		-	
						7.5	0.4	188	21.6		8.0		31.8		98.3		7.2		16.6		10		-				-		-	
SR4A	Fine	Moderate	09:52	8.1	Surface	1.0	0.3	148	24.4	24.4	7.8	7.8	30.9	30.9	97.1	97.1	6.8	6.8	12.5	13.6	25	24	-	-	817191	807807	-	-	-	-
						1.0	0.3	149	24.3		7.8		30.9		97.1		6.8		12.6		23		-				-		-	
					Middle	4.1	0.3	147	24.3	24.3	7.8	7.8	30.8	30.8	97.5	97.6	6.8		13.8		23		-				-		-	
						4.1	0.3	148	24.3		7.8		30.8		97.6		6.8		13.9		23		-				-		-	
					Bottom	7.1	0.3	160	24.3	24.3	7.8	7.8	30.4	30.4	99.0	99.1	7.0	7.0	14.4		24		-				-		-	
						7.1	0.3	169	24.3		7.8		30.4		99.1		7.0		14.4		25		-				-		-	
SR5A	Fine	Moderate	09:31	3.6	Surface	1.0	0.2	238	24.2	24.4	7.7	7.7	29.6	29.5	95.4	95.2	6.8	6.8	7.6	8.5	8	9	-	-	816588	810713	-	-	-	-
						1.0	0.2	251	24.6		7.7		29.3		94.9		6.7		7.5		9		-				-		-	
					Middle	1.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						1.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.1	222	24.4	24.3	7.5	7.5	28.7	28.8	99.4	99.8	7.0	7.1	9.3		10		-				-		-	
						2.6	0.1	233	24.1		7.5		28.9		100.1		7.1		9.4		9		-				-		-	
SR6	Fine	Moderate	09:05	4.3	Surface	1.0	0.2	113	24.9	24.9	7.6	7.6	29.8	29.8	91.4	91.4	6.4	6.4	5.6	6.2	7	11	-	-	817905	814648	-	-	-	-
						1.0	0.2	117	24.9		7.6		29.8		91.4		6.4		5.7		8		-				-		-	
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.2	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.2	120	24.9	24.9	7.6	7.6	29.7	29.5	93.7	95.1	6.5	6.7	6.5		14		-				-		-	
						3.3	0.2	130	24.9		7.5		29.3		96.5		6.8		7.1		16		-				-		-	
SR7	Fine	Moderate	09:03	20.5	Surface	1.0	0.5	45	22.8	22.8	8.0	8.0	32.1	32.1	92.1	92.1	6.6	6.6	6.6	6.8	8	9	-	-	823630	823761	-	-	-	-
						1.0	0.5	47	22.8		8.0		32.1		92.1		6.6		6.7		7		-				-		-	
					Middle	10.3	0.4	61	22.7	22.7	8.0	8.0	32.2	32.2	92.2	92.2	6.6		7.1		10		-				-		-	
						10.3	0.4	61	22.7		8.0		32.2		92.2		6.6		7.1		8		-				-		-	
					Bottom	19.5	0.5	111	22.7	22.7	8.0	8.0	32.2	32.2	94.3	94.4	6.8	6.8	6.6		10		-				-		-	
						19.5	0.5	121	22.7		8.0		32.2		94.4		6.8		6.6		10		-				-		-	
SR8	Fine	Moderate	10:25	5.2	Surface	1.0	0.3	190.0	22.4	22.4	7.9	7.9	31.2	31.2	95.9	95.9	6.9	6.9	7.7	7.3	9	10	-	-	820421	811580	-	-	-	-
						1.0	0.3	206.0	22.4		7.9		31.2		95.9		6.9		7.7		11		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.3	197.0	21.8	21.8	7.9	7.9	31.5	31.5	95.5	95.6	7.0	7.0	7.3		11		-				-		-	
						4.2	0.3	214.0	21.8		7.9		31.5		95.6		7.0		6.4		9		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 15 November 16 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	07:09	8.6	Surface	1.0	0.5	69	25.3	25.3	7.9	7.9	30.2	30.3	96.1	96.2	6.6	6.6	13.1	20.1	26	40	87	91	815608	804235	<0.2	<0.2	1.3	1.1
						1.0	0.5	69	25.3		7.9		30.3		96.2		6.7		13.1		25		87				<0.2		1.3	
					Middle	4.3	0.4	83	25.2	25.2	7.9	7.9	30.4	30.4	95.7	95.7	6.6		21.5		41		91				<0.2		1.0	
						4.3	0.4	86	25.2		7.9		30.4		95.7		6.6		21.6		39		92				<0.2		1.1	
					Bottom	7.6	0.4	94	25.3	25.3	7.9	7.9	30.5	30.5	95.6	95.7	6.6	6.6	25.6		53		93				<0.2		0.9	
						7.6	0.4	102	25.2		7.9		30.5		95.7		6.6		25.5		56		94				<0.2		1.1	
C2	Cloudy	Moderate	08:22	11.9	Surface	1.0	0.2	203	22.6	22.6	7.9	7.9	28.0	28.0	90.9	90.9	6.7	6.7	13.8	19.2	17	18	85	90	825671	806940	<0.2	<0.2	1.1	1.3
						1.0	0.2	221	22.6		7.9		28.0		90.9		6.7		13.9		17		84				<0.2		1.1	
					Middle	6.0	0.2	157	22.5	22.5	7.9	7.9	28.2	28.2	90.9	90.9	6.7		17.5		16		92				<0.2		1.4	
						6.0	0.3	165	22.5		7.9		28.2		90.9		6.7		17.5		16		92				<0.2		1.4	
					Bottom	10.9	0.4	64	22.5	22.5	7.9	7.9	28.5	28.5	91.5	91.5	6.7	6.7	26.6		19		94				<0.2		1.3	
						10.9	0.4	69	22.5		7.9		28.5		91.5		6.7		25.7		20		94				<0.2		1.2	
C3	Cloudy	Moderate	06:25	12.1	Surface	1.0	0.4	253	22.7	22.7	7.9	7.9	30.5	30.5	91.3	91.3	6.6	6.7	10.4	17.5	7	18	89	93	822121	817791	<0.2	<0.2	1.0	0.9
						1.0	0.4	277	22.7		7.9		30.5		91.3		6.6		10.4		7		89				<0.2		1.1	
					Middle	6.1	0.4	255	22.7	22.7	7.8	7.8	30.7	30.7	92.2	92.3	6.7		12.9		13		94				<0.2		0.8	
						6.1	0.4	269	22.7		7.8		30.7		92.3		6.7		13.0		13		94				<0.2		0.9	
					Bottom	11.1	0.3	248	22.7	22.7	7.9	7.9	30.7	30.7	89.5	89.5	6.5	6.5	29.0		32		96				<0.2		0.8	
						11.1	0.3	257	22.7		7.9		30.7		89.5		6.5		29.1		33		95				<0.2		0.8	
IM1	Fine	Moderate	07:30	7.8	Surface	1.0	0.5	65	25.2	25.2	7.9	7.9	30.0	30.0	95.8	95.8	6.6	6.7	15.4	16.6	22	23	88	92	818338	806460	<0.2	<0.2	0.9	1.0
						1.0	0.5	71	25.2		7.9		30.0		95.7		6.6		15.4		21		88				<0.2		1.0	
					Middle	3.9	0.4	115	25.2	25.2	7.8	7.8	29.9	29.9	96.0	96.0	6.7		15.7		23		92				<0.2		0.9	
						3.9	0.4	115	25.2		7.8		29.9		96.0		6.7		15.7		22		93				<0.2		0.9	
					Bottom	6.8	0.3	176	25.3	25.3	7.8	7.8	29.9	29.9	98.8	98.8	6.8	6.9	18.8		23		94				<0.2		1.2	
						6.8	0.3	191	25.3		7.8		29.8		98.8		6.9		18.7		24		95				<0.2		1.0	
IM2	Fine	Moderate	07:37	8.8	Surface	1.0	0.5	65	25.5	25.5	7.9	7.9	30.0	30.0	96.0	96.0	6.6	6.6	12.5	18.3	21	31	86	89	818871	806174	<0.2	<0.2	1.0	1.1
						1.0	0.5	69	25.5		7.9		30.0		96.0		6.6		12.5		22		87				<0.2		1.1	
					Middle	4.4	0.4	119	25.2	25.2	7.9	7.9	30.2	30.2	94.7	94.7	6.6		17.6		32		89				<0.2		1.0	
						4.4	0.4	120	25.2		7.9		30.2		94.7		6.6		17.8		30		89				<0.2		1.0	
					Bottom	7.8	0.4	156	25.1	25.2	7.9	7.9	30.3	30.3	94.7	94.7	6.6	6.6	24.9		38		91				<0.2		1.3	
						7.8	0.4	167	25.2		7.9		30.3		94.7		6.6		24.7		40		91				<0.2		1.2	
IM3	Fine	Moderate	07:46	8.9	Surface	1.0	0.5	85	25.5	25.5	7.9	7.9	30.3	30.3	95.7	95.7	6.6	6.6	14.2	19.5	20	32	85	89	819412	806007	<0.2	<0.2	0.9	0.9
						1.0	0.5	86	25.5		7.9		30.3		95.7		6.6		14.2		22		85				<0.2		0.8	
					Middle	4.5	0.4	88	25.2	25.2	7.9	7.9	30.3	30.3	94.8	94.8	6.6		19.9		35		88				<0.2		0.7	
						4.5	0.4	92	25.2		7.9		30.3		94.8		6.6		19.8		36		89				<0.2		0.7	
					Bottom	7.9	0.3	133	25.2	25.2	7.9	7.9	30.3	30.3	94.8	94.8	6.6	6.6	24.5		39		93				<0.2		1.1	
						7.9	0.3	144	25.2		7.9		30.3		94.8		6.6		24.4		38		93				<0.2		1.0	
IM4	Fine	Moderate	07:56	8.4	Surface	1.0	0.4	103	25.7	25.7	7.9	7.9	30.1	30.1	96.4	96.4	6.6	6.6	11.3	16.6	15	28	87	89	819550	805058	<0.2	<0.2	0.8	0.8
						1.0	0.4	108	25.6		7.9		30.1		96.4		6.6		11.4		16		87				<0.2		0.8	
					Middle	4.2	0.3	114	25.4	25.4	7.9	7.9	30.1	30.1	94.6	94.7	6.5		13.5		26		89				<0.2		0.8	
						4.2	0.3	119	25.4		7.9		30.1		94.7		6.5		13.5		25		89				<0.2		0.8	
					Bottom	7.4	0.3	162	25.1	25.2	7.9	7.9	30.5	30.5	94.0	94.0	6.5	6.5	25.0		43		91				<0.2		0.8	
						7.4	0.3	172	25.2		7.9		30.5		93.9		6.5		24.9		40		91				<0.2		0.7	
IM5	Fine	Moderate	08:07	7.1	Surface	1.0	0.3	108	25.2	25.2	7.9	7.9	29.8	29.8	95.2	95.2	6.6	6.6	11.7	17.0	22	23	88	91	820555	804918	<0.2	<0.2	0.8	0.8
						1.0	0.3	112	25.2		7.9		29.8		95.2		6.6		11.7		23		88				<0.2		0.8	
					Middle	3.6	0.3	129	25.2	25.2	7.9	7.9	30.0	30.0	94.7	94.8	6.6		14.0		22		91				<0.2		0.8	
						3.6	0.3	130	25.1		7.9		30.0		94.8		6.6		14.1		24		93				<0.2		0.8	
					Bottom	6.1	0.3	144	25.2	25.2	7.9	7.9	30.2	30.2	95.3	95.3	6.6	6.6	25.2		25		94				<0.2		0.9	
						6.1	0.3	151	25.2		7.9		30.2		95.3		6.6		25.3		23		94				<0.2		0.8	
IM6	Fine	Moderate	08:14	7.2	Surface	1.0	0.4	82	25.2	25.2	7.9	7.9	29.9	29.9	95.0	95.0	6.6	6.6	11.3	13.9	15	17	85	89	821047	805831	<0.2	<0.2	0.9	0.8
						1.0	0.4	83	25.2		7.9		29.9		95.0		6.6		11.4		15		86				<0.2		1.0	
					Middle	3.6	0.4	102	25.1	25.2	7.9	7.9	30.1	30.1	94.6	94.6	6.6		12.7		17		88				<0.2		0.8	
						3.6	0.4	111	25.2		7.9		30.0		94.6		6.6		12.7		17		89				<0.2		0.7	
					Bottom	6.2	0.3	114	25.2	25.2	7.9	7.9	30.4	30.4	94.6	94.6	6.6	6.6	17.8		19		91				<0.2		0.8	
						6.2	0.3	115	25.2		7.9		30.4		94.6		6.6		17.7		18		92				<0.2		0.8	
IM7	Fine	Moderate	08:23	8.6	Surface	1.0	0.4	88	25.3	25.3	7.9	7.9	30.0	30.0	96.1	96.1	6.7	6.6	11.4	16.3	14	25	88	91	821333	806844	<0.2	<0.2	1.1	1.0
						1.0	0.5	89	25.3		7.9		30.0		96.0		6.6		11.5		14		89				<0.2		0.9	
					Middle	4.3	0.4	98	25.3	25.3	7.9	7.9	30.1	30.1	95.5	95.5	6.6		12.5		21		90				<0.2		0.7	
						4.3	0.4	99	25.3		7.9		30.1		95.5		6.6		12.6		21		91				<0.2		0.9	
					Bottom	7.6	0.3	121	25.2	25.2	7.9	7.9	30.3	30.3	95.8	95.8	6.6	6.6	25.0		38		93				<0.2		1.1	
						7.6	0.3	129	25.2		7.9		30.2		95.8		6.6		24.9		39		94				<0.2		1.0	
IM8	Cloudy	Moderate	07:44	8.4	Surface	1.0	0.6	41	22.6	22.6	8.0	8.0	29.7	29.7	92.7	92.8	6.8	6.8	15.2	20.1	15	29	86	91	821682	807829	<0.2	<0.2	0.9	0.9
						1.0	0.6	44	22.6		8.0		29.7		92.8		6.8		15.2		15		85				<0.2		0.8	
					Middle	4.2	0.5	70	22.5	22.5	7.9	7.9	29.8	29.8	93.4	93.6	6.8		18.6		31		92				<0.2		1.1	
						4.2	0.5	75	22.5		7.9		29.8		93.8		6.8		19.1		30		92				<0.2		0.8	
					Bottom	7.4	0.5	91	22.6	22.6	8.0	8.0	29.8	29.8	93.2	93.2	6.8	6.8	26.2		43		94				<0.2		0.8	
						7.4	0.5	94	22.6		8.0		29.8		93.2		6.8		26.2		39		94				<0.2		0.7	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 15 November 16 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	07:29	7.4	Surface	1.0	0.4	212	22.6	22.6	7.9	7.9	29.2	29.2	93.0	93.0	6.8	6.8	13.2	18.6	16	23	86	91	822087	808792	<0.2	<0.2	1.2	1.2
						1.0	0.4	219	22.6		7.9		29.2		93.0		6.8		13.0		17		85				<0.2		1.1	
					Middle	3.7	0.3	187	22.6	22.6	7.9	7.9	29.2	29.2	93.0	93.1	6.8		14.2		20		93				<0.2		1.2	
						3.7	0.3	187	22.6		7.9		29.2		93.1		6.8		14.2		21		93				<0.2		1.2	
					Bottom	6.4	0.3	198	22.5	22.5	7.9	7.9	29.6	29.7	93.2	93.2	6.8	6.8	28.1		34		93				<0.2		1.1	
						6.4	0.4	204	22.5		7.9		29.7		93.1		6.8		28.6		31		94				<0.2		1.2	
IM10	Cloudy	Moderate	07:20	7.7	Surface	1.0	0.4	212	22.6	22.6	8.0	8.0	29.8	29.8	95.7	95.7	7.0	7.0	14.5	19.0	17	24	86	91	822222	809855	<0.2	<0.2	0.9	1.0
						1.0	0.4	228	22.6		8.0		29.8		95.7		7.0		14.4		18		86				<0.2		0.8	
					Middle	3.9	0.3	187	22.6	22.6	8.0	8.0	29.8	29.8	95.4	95.4	6.9		16.2		20		93				<0.2		1.1	
						3.9	0.3	192	22.6		8.0		29.8		95.4		6.9		16.3		20		92				<0.2		1.0	
					Bottom	6.7	0.3	198	22.5	22.5	8.0	8.0	29.9	29.9	95.2	95.2	6.9	6.9	26.8		34		93				<0.2		1.0	
						6.7	0.4	205	22.5		8.0		29.9		95.2		6.9		25.5		33		93				<0.2		1.1	
IM11	Cloudy	Moderate	07:13	8.7	Surface	1.0	0.3	236	22.6	22.6	7.9	7.9	29.6	29.6	95.2	95.3	6.9	6.9	10.5	15.5	11	14	87	92	821501	810564	<0.2	<0.2	1.2	1.1
						1.0	0.4	237	22.6		7.9		29.6		95.3		6.9		10.5		11		87				<0.2		1.1	
					Middle	4.4	0.3	228	22.6	22.6	7.9	7.9	29.7	29.7	95.1	95.1	6.9		12.9		13		94				<0.2		1.2	
						4.4	0.3	245	22.6		7.9		29.7		95.1		6.9		12.9		13		93				<0.2		1.1	
					Bottom	7.7	0.3	226	22.5	22.5	7.9	7.9	29.9	29.9	95.2	95.2	6.9	6.9	23.0		17		94				<0.2		1.0	
						7.7	0.3	245	22.5		7.9		29.9		95.2		6.9		23.2		18		94				<0.2		0.9	
IM12	Cloudy	Moderate	07:05	9.2	Surface	1.0	0.3	245	22.6	22.6	8.0	8.0	29.6	29.6	95.5	95.5	7.0	7.0	15.6	17.3	15	22	88	92	821158	811521	<0.2	<0.2	0.9	1.2
						1.0	0.3	268	22.6		8.0		29.6		95.4		7.0		15.5		13		87				<0.2		1.2	
					Middle	4.6	0.3	244	22.5	22.5	7.9	7.9	29.6	29.6	95.2	95.2	6.9		16.6		27		94				<0.2		1.2	
						4.6	0.4	262	22.5		7.9		29.6		95.2		6.9		16.7		26		93				<0.2		1.2	
					Bottom	8.2	0.3	243	22.5	22.5	7.9	7.9	29.7	29.7	95.5	95.5	7.0	7.0	19.6		26		94				<0.2		1.4	
						8.2	0.3	249	22.5		7.9		29.7		95.5		7.0		19.6		26		95				<0.2		1.4	
SR2	Cloudy	Moderate	06:44	4.8	Surface	1.0	0.1	132	22.6	22.6	7.9	7.9	29.9	29.9	95.5	95.5	7.0	7.0	14.7	15.8	10	15	88	92	821451	814168	<0.2	<0.2	1.4	1.3
						1.0	0.1	139	22.6		7.9		29.9		95.5		7.0		14.7		10		88				<0.2		1.4	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	119	22.6	22.6	7.9	7.9	30.1	30.1	97.1	97.2	7.1	7.1	16.8		19		95				<0.2		1.2	
						3.8	0.1	128	22.6		7.9		30.1		97.2		7.1		16.8		19		95				<0.2		1.2	
SR3	Cloudy	Moderate	07:56	9.2	Surface	1.0	0.5	71	22.6	22.6	8.0	8.0	29.6	29.6	92.1	92.1	6.7	6.7	14.8	22.3	17	24	-	-	822156	807583	-	-	-	-
						1.0	0.5	71	22.6		8.0		29.6		92.1		6.7		14.9		17		-				-		-	
					Middle	4.6	0.5	63	22.5	22.5	8.0	8.0	29.7	29.7	91.8	91.8	6.7		22.9		18		-				-		-	
						4.6	0.6	65	22.5		8.0		29.7		91.8		6.7		23.0		18		-				-		-	
					Bottom	8.2	0.5	63	22.5	22.5	8.0	8.0	29.7	29.7	92.0	92.0	6.7	6.7	28.8		39		-				-		-	
						8.2	0.5	65	22.5		8.0		29.7		92.0		6.7		29.1		37		-				-		-	
SR4A	Fine	Moderate	06:42	7.9	Surface	1.0	0.5	75	25.4	25.4	7.8	7.8	30.5	30.5	96.0	96.1	6.6	6.6	15.8	19.0	23	26	-	-	817178	807818	-	-	-	-
						1.0	0.5	78	25.3		7.8		30.5		96.1		6.6		16.0		25		-				-		-	
					Middle	4.0	0.4	104	25.3	25.3	7.8	7.8	30.4	30.4	96.1	96.2	6.6		17.6		26		-				-		-	
						4.0	0.4	109	25.3		7.8		30.4		96.2		6.6		17.7		24		-				-		-	
					Bottom	6.9	0.4	109	25.3	25.3	7.8	7.8	30.2	30.2	97.0	97.2	6.7	6.7	23.1		30		-				-		-	
						6.9	0.4	117	25.3		7.8		30.2		97.3		6.7		23.6		29		-				-		-	
SR5A	Fine	Moderate	06:18	3.3	Surface	1.0	0.3	199	25.2	25.2	7.7	7.7	30.4	30.4	94.9	95.0	6.6	6.6	8.3	9.6	14	15	-	-	816609	810681	-	-	-	-
						1.0	0.3	218	25.2		7.7		30.4		95.0		6.6		8.4		13		-				-		-	
					Middle	1.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						1.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.3	0.4	213	25.3	25.3	7.6	7.6	29.9	29.9	97.8	97.9	6.8	6.8	10.7		16		-				-		-	
						2.3	0.5	231	25.3		7.6		29.9		97.9		6.8		10.8		17		-				-		-	
SR6	Fine	Moderate	05:51	4.5	Surface	1.0	0.2	194	25.2	25.2	7.7	7.7	30.0	30.0	95.4	95.5	6.6	6.6	9.5	9.8	15	16	-	-	817879	814644	-	-	-	-
						1.0	0.2	204	25.2		7.7		30.0		95.5		6.6		9.5		16		-				-		-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	180	25.3	25.3	7.5	7.5	29.5	29.3	98.1	99.3	6.8	6.9	9.8		16		-				-		-	
						3.5	0.1	181	25.3		7.4		29.1		100.5		7.0		10.3		15		-				-		-	
SR7	Cloudy	Moderate	05:52	18.9	Surface	1.0	0.2	227	22.7	22.7	7.9	7.9	31.1	31.1	91.8	91.8	6.6	6.6	10.6	16.1	13	17	-	-	823639	823723	-	-	-	-
						1.0	0.2	227	22.7		7.9		31.1		91.7		6.6		10.6		13		-				-		-	
					Middle	9.5	0.2	244	22.7	22.7	7.9	7.9	31.3	31.3	90.5	90.5	6.5		18.0		19		-				-		-	
						9.5	0.2	262	22.7		7.9		31.3		90.5		6.5		18.3		18		-				-		-	
					Bottom	17.9	0.3	132	22.7	22.7	7.8	7.8	31.7	31.8	90.2	90.5	6.5	6.5	20.1		19		-				-		-	
						17.9	0.3	135	22.7		7.8		31.8		90.8		6.5		18.8		20		-				-		-	
SR8	Cloudy	Moderate	06:59	5.2	Surface	1.0	0.2	172	22.6	22.6	7.9	7.9	29.4	29.4	95.7	95.7	7.0	7.0	11.0	12.0	11	15	-	-	820429	811577	-	-	-	-
						1.0	0.2	173	22.6		7.9		29.4		95.7		7.0		11.0		12		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.2	192	22.5	22.5	7.9	7.9	29.6	29.6	96.9	97.0	7.1	7.1	12.9		18		-				-		-	
						4.2	0.2	197	22.5		7.9		29.6		97.0		7.1		12.9		18		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 15 November 16 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	12:42	8.4	Surface	1.0	0.3	197	25.8	25.8	7.9	7.9	30.0	30.0	97.9	97.9	6.7	6.7	5.6	8.7	8	10	88	91	815607	804247	<0.2	<0.2	1.4	1.1
						1.0	0.3	204	25.8		7.9		30.0		97.9		6.7		5.7		8		89				<0.2		1.4	
					Middle	4.2	0.3	204	25.4	25.4	7.9	7.9	30.0	30.0	96.6	96.6	6.7		8.0		9		91				<0.2		1.0	
						4.2	0.4	212	25.4		7.9		30.0		96.6		6.7		8.1		8		92				<0.2		1.2	
					Bottom	7.4	0.4	221	25.3	25.3	7.9	7.9	30.5	30.5	97.2	97.3	6.7	6.7	12.4		13		94				<0.2		0.9	
						7.4	0.4	229	25.3		7.9		30.5		97.3		6.7		12.3		13		94				<0.2		0.9	
C2	Cloudy	Moderate	11:41	13.1	Surface	1.0	0.2	121	22.9	22.9	7.9	7.9	28.2	28.2	94.0	94.0	6.9	6.9	11.5	19.0	12	18	83	90	825688	806961	<0.2	<0.2	1.7	1.6
						1.0	0.3	121	22.9		7.9		28.2		94.0		6.9		11.5		12		84				<0.2		1.6	
					Middle	6.6	0.2	175	22.6	22.6	7.9	7.9	28.7	28.7	92.8	92.8	6.8		22.0		18		92				<0.2		1.5	
						6.6	0.2	177	22.6		7.9		28.7		92.8		6.8		21.8		16		92				<0.2		1.7	
					Bottom	12.1	0.2	198	22.6	22.6	7.9	7.9	29.5	29.5	93.7	93.7	6.8	6.8	23.5		24		93				<0.2		1.4	
						12.1	0.2	212	22.6		7.9		29.5		93.7		6.8		23.5		23		94				<0.2		1.5	
C3	Cloudy	Moderate	13:24	12.7	Surface	1.0	0.5	74	22.9	22.9	7.9	7.9	29.8	29.8	94.4	94.4	6.8	6.7	9.9	16.9	11	13	91	93	822089	817790	<0.2	<0.2	0.9	0.9
						1.0	0.5	79	22.9		7.9		29.8		94.4		6.8		10.0		10		89				<0.2		0.8	
					Middle	6.4	0.4	86	22.7	22.7	7.9	7.9	30.0	30.0	91.6	91.6	6.7		14.4		13		93				<0.2		1.0	
						6.4	0.4	94	22.7		7.9		30.0		91.6		6.6		14.5		14		93				<0.2		0.9	
					Bottom	11.7	0.4	99	22.7	22.7	7.9	7.9	30.2	30.2	91.4	91.5	6.6	6.6	26.5		14		95				<0.2		0.8	
						11.7	0.5	99	22.7		7.9		30.2		91.5		6.6		25.9		14		95				<0.2		0.8	
IM1	Fine	Moderate	12:20	7.6	Surface	1.0	0.3	163	25.4	25.4	7.9	7.9	30.3	30.3	96.3	96.3	6.7	6.7	9.7	9.9	11	13	86	90	818342	806452	<0.2	<0.2	0.8	0.8
						1.0	0.3	169	25.4		7.9		30.3		96.3		6.7		9.6		10		87				<0.2		0.8	
					Middle	3.8	0.3	173	25.5	25.5	7.9	7.9	30.0	30.0	96.5	96.5	6.7		9.1		11		90				<0.2		0.7	
						3.8	0.3	174	25.5		7.9		30.0		96.5		6.7		9.1		11		92				<0.2		0.7	
					Bottom	6.6	0.3	159	25.3	25.3	7.9	7.9	30.1	30.1	97.5	97.6	6.8	6.8	10.9		18		93				<0.2		1.0	
						6.6	0.3	159	25.3		7.9		30.1		97.6		6.8		11.1		17		93				<0.2		0.8	
IM2	Fine	Moderate	12:14	8.3	Surface	1.0	0.3	159	25.7	25.7	7.9	7.9	30.2	30.2	96.7	96.7	6.6	6.6	9.1	12.5	12	19	89	92	818833	806192	<0.2	<0.2	1.0	1.0
						1.0	0.3	165	25.7		7.9		30.2		96.7		6.6		9.2		12		89				<0.2		1.2	
					Middle	4.2	0.3	172	25.2	25.2	7.9	7.9	30.2	30.2	95.4	95.4	6.6		14.4		22		92				<0.2		1.2	
						4.2	0.3	177	25.2		7.9		30.2		95.4		6.6		14.3		22		94				<0.2		1.2	
					Bottom	7.3	0.3	202	25.2	25.2	7.9	7.9	30.1	30.1	98.6	98.7	6.8	6.8	13.8		22		94				<0.2		0.8	
						7.3	0.3	217	25.2		7.9		30.1		98.7		6.8		14.0		22		95				<0.2		0.8	
IM3	Fine	Moderate	12:07	8.9	Surface	1.0	0.3	150	26.4	26.4	7.9	7.9	30.2	30.2	99.1	99.1	6.7	6.7	7.6	12.3	11	19	85	89	819410	806006	<0.2	<0.2	1.2	1.0
						1.0	0.3	161	26.4		7.9		30.2		99.1		6.7		7.5		10		86				<0.2		1.1	
					Middle	4.5	0.3	160	25.2	25.2	7.9	7.9	30.3	30.3	95.0	95.0	6.6		14.5		21		89				<0.2		1.0	
						4.5	0.3	160	25.2		7.9		30.3		95.0		6.6		14.6		20		89				<0.2		1.0	
					Bottom	7.9	0.3	180	25.2	25.2	7.9	7.9	30.1	30.1	97.5	97.5	6.8	6.8	14.7		26		92				<0.2		0.9	
						7.9	0.3	182	25.2		7.9		30.1		97.5		6.8		14.6		25		92				<0.2		0.8	
IM4	Fine	Moderate	11:59	8.1	Surface	1.0	0.3	153	25.2	25.2	7.9	7.9	30.1	30.2	95.7	95.7	6.6	6.6	9.7	12.9	13	18	88	92	819578	805026	<0.2	<0.2	0.9	0.9
						1.0	0.3	159	25.2		7.9		30.2		95.7		6.6		9.7		15		89				<0.2		1.1	
					Middle	4.1	0.3	176	25.1	25.2	7.9	7.9	30.3	30.3	94.8	94.8	6.6		14.3		19		92				<0.2		0.9	
						4.1	0.3	177	25.2		7.9		30.3		94.8		6.6		14.2		20		93				<0.2		0.8	
					Bottom	7.1	0.3	181	25.2	25.2	7.9	7.9	30.1	30.1	96.7	96.8	6.7	6.7	14.9		21		94				<0.2		0.8	
						7.1	0.3	189	25.2		7.9		30.1		96.8		6.7		14.8		21		95				<0.2		0.8	
IM5	Fine	Moderate	11:51	7.2	Surface	1.0	0.3	165	25.3	25.3	7.9	7.9	29.7	29.7	95.4	95.4	6.6	6.6	12.3	15.9	17	22	87	91	820575	804909	<0.2	<0.2	1.0	1.0
						1.0	0.4	172	25.3		7.9		29.7		95.4		6.6		12.5		18		88				<0.2		1.0	
					Middle	3.6	0.3	162	25.1	25.1	7.9	7.9	29.9	29.9	94.8	94.8	6.6		15.4		21		91				<0.2		1.1	
						3.6	0.3	173	25.1		7.9		29.9		94.8		6.6		15.5		20		92				<0.2		1.0	
					Bottom	6.2	0.3	187	25.2	25.2	7.9	7.9	30.1	30.1	96.3	96.4	6.7	6.7	19.8		28		94				<0.2		1.0	
						6.2	0.3	187	25.2		7.9		30.1		96.4		6.7		19.8		27		94				<0.2		0.9	
IM6	Fine	Moderate	11:43	7.1	Surface	1.0	0.3	136	25.2	25.2	7.9	7.9	29.9	29.9	95.2	95.2	6.6	6.6	11.9	14.5	15	20	86	88	821046	805839	<0.2	<0.2	1.0	1.0
						1.0	0.4	142	25.2		7.9		29.9		95.2		6.6		11.9		18		86				<0.2		0.8	
					Middle	3.6	0.3	139	25.2	25.2	7.9	7.9	30.0	30.0	94.9	94.9	6.6		13.6		20		88				<0.2		1.1	
						3.6	0.3	152	25.1		7.9		30.0		94.9		6.6		13.6		18		89				<0.2		0.9	
					Bottom	6.1	0.3	148	25.2	25.2	7.9	7.9	30.1	30.1	95.5	95.6	6.6	6.6	17.9		23		90				<0.2		1.0	
						6.1	0.3	158	25.2		7.9		30.1		95.6		6.6		17.8		23		90				<0.2		1.1	
IM7	Fine	Moderate	11:34	8.7	Surface	1.0	0.4	114	25.6	25.6	7.9	7.9	29.8	29.8	96.7	96.7	6.7	6.7	11.0	14.5	15	19	88	91	821348	806830	<0.2	<0.2	1.0	1.3
						1.0	0.4	125	25.6		7.9		29.8		96.7		6.7		11.1		16		89				<0.2		1.2	
					Middle	4.4	0.3	108	25.2	25.2	7.9	7.9	30.1	30.1	95.8	95.8	6.6		14.0		17		90				<0.2		1.4	
						4.4	0.4	110	25.2		7.9		30.1		95.8		6.6		14.0		18		91				<0.2		1.4	
					Bottom	7.7	0.3	138	25.2	25.2	7.8	7.8	30.0	30.0	98.1	98.2	6.8	6.8	18.6		23		93				<0.2		1.4	
						7.7	0.3	138	25.2		7.8		30.0		98.2		6.8		18.5		22		93				<0.2		1.5	
IM8	Cloudy	Moderate	12:14	8.3	Surface	1.0	0.5	104	22.8	22.8	8.0	8.0	29.1	29.1	97.9	97.9	7.1	7.1	12.1	17.7	13	20	84	90	821691	807836	<0.2	<0.2	1.2	1.1
						1.0	0.6	111	22.8		8.0		29.1		97.9		7.1		12.1		12		84				<0.2		1.1	
					Middle	4.2	0.5	104	22.5	22.5	8.0	8.0	29.4	29.4	96.4	96.4	7.0		17.6		23		93				<0.2		0.9	
						4.2	0.5	114	22.5		8.0		29.4		96.4		7.0		17.5		22		92				<0.2		1.2	
					Bottom	7.3	0.4	98	22.5	22.5	8.0	8.0	29.5	29.5	97.3	97.3	7.1	7.1	23.3		24		93				<0.2		1.1	
						7.3	0.5	103	22.5		8.0		29.5		97.3		7.1		23.3		24		94				<0.2		0.9	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 15 November 16 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	12:23	7.0	Surface	1.0	0.7	102	22.9	22.9	8.0	8.0	29.5	29.5	97.5	97.5	7.1	7.1	11.9	20.4	12	27	85	91	822094	808825	<0.2	<0.2	1.1	1.1
						1.0	0.7	104	22.9		8.0		29.5		97.4		7.1		11.9		14		85				<0.2		1.2	
					Middle	3.5	0.5	92	22.6	22.6	8.0	8.0	29.6	29.6	96.3	96.3	7.0		24.2		27		92				<0.2		1.2	
						3.5	0.5	97	22.6		8.0		29.6		96.3		7.0		24.3		26		93				<0.2		0.9	
					Bottom	6.0	0.5	98	22.6	22.6	8.0	8.0	29.6	29.6	96.3	96.3	7.0	7.0	25.3		40		94				<0.2		1.0	
						6.0	0.5	99	22.6		8.0		29.6		96.3		7.0		24.8		41		94				<0.2		1.0	
IM10	Cloudy	Moderate	12:30	7.9	Surface	1.0	0.6	94	22.8	22.8	8.0	8.0	29.8	29.8	98.0	98.0	7.1	7.1	13.7	22.1	18	29	86	91	822229	809853	<0.2	<0.2	0.9	1.1
						1.0	0.7	99	22.8		8.0		29.8		98.0		7.1		13.6		18		86				<0.2		1.0	
					Middle	4.0	0.6	89	22.6	22.6	8.0	8.0	29.9	29.9	96.5	96.5	7.0		23.0		34		93				<0.2		1.1	
						4.0	0.6	95	22.6		8.0		29.9		96.5		7.0		23.2		32		93				<0.2		1.1	
					Bottom	6.9	0.5	101	22.6	22.6	8.0	8.0	29.9	29.9	96.6	96.7	7.0	7.0	31.3		36		95				<0.2		1.2	
						6.9	0.5	109	22.6		8.0		29.9		96.7		7.0		27.5		34		95				<0.2		1.3	
IM11	Cloudy	Moderate	12:38	7.5	Surface	1.0	0.6	95	23.1	23.1	8.0	8.0	29.4	29.4	97.0	97.0	7.0	7.0	9.8	16.4	10	13	87	91	821518	810555	<0.2	<0.2	1.3	1.1
						1.0	0.7	100	23.1		8.0		29.4		97.0		7.0		9.8		8		86				<0.2		1.2	
					Middle	3.8	0.6	90	22.6	22.6	8.0	8.0	29.7	29.7	95.3	95.3	6.9		15.8		14		93				<0.2		0.9	
						3.8	0.6	90	22.6		8.0		29.7		95.3		6.9		15.9		15		93				<0.2		1.0	
					Bottom	6.5	0.5	92	22.6	22.6	8.0	8.0	29.8	29.8	94.9	94.9	6.9	6.9	23.4		14		94				<0.2		1.1	
						6.5	0.5	95	22.6		8.0		29.8		94.9		6.9		23.4		14		95				<0.2		1.0	
IM12	Cloudy	Moderate	12:45	7.1	Surface	1.0	0.7	110	22.9	22.9	8.0	8.0	29.9	29.9	96.4	96.4	7.0	7.0	11.3	16.1	12	16	87	92	821160	811516	<0.2	<0.2	1.1	1.0
						1.0	0.7	116	22.9		8.0		29.9		96.4		7.0		11.3		12		87				<0.2		1.0	
					Middle	3.6	0.6	106	22.8	22.8	8.0	8.0	29.9	29.9	95.3	95.3	6.9		14.4		13		93				<0.2		1.0	
						3.6	0.6	108	22.8		8.0		29.9		95.3		6.9		14.5		12		93				<0.2		1.1	
					Bottom	6.1	0.6	141	22.6	22.6	7.9	7.9	30.1	30.1	94.8	94.9	6.9	6.9	22.6		23		95				<0.2		1.0	
						6.1	0.6	146	22.6		7.9		30.1		94.9		6.9		22.5		23		94				<0.2		1.0	
SR2	Cloudy	Moderate	13:04	4.6	Surface	1.0	0.7	99	22.9	22.9	7.9	7.9	29.9	29.9	96.6	96.6	7.0	7.0	10.6	12.4	11	13	87	91	821454	814166	<0.2	<0.2	1.2	1.3
						1.0	0.7	101	22.9		7.9		29.9		96.6		7.0		10.7		12		88				<0.2		1.2	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.6	90	22.7	22.7	7.9	7.9	30.2	30.2	97.5	97.6	7.1	7.1	14.0		14		95				<0.2		1.2	
						3.6	0.7	94	22.7		7.9		30.2		97.6		7.1		14.3		14		95				<0.2		1.4	
SR3	Cloudy	Moderate	12:10	8.2	Surface	1.0	0.4	140	22.8	22.8	7.9	7.9	28.2	28.2	94.7	94.7	6.9	7.0	12.1	19.1	13	16	-	-	822155	807563	-	-	-	-
						1.0	0.4	144	22.8		7.9		28.2		94.7		6.9		12.1		11		-				-		-	
					Middle	4.1	0.4	113	22.7	22.7	7.9	7.9	28.3	28.3	95.4	95.4	7.0		16.4		17		-				-		-	
						4.1	0.4	119	22.7		7.9		28.3		95.4		7.0		16.5		15		-				-		-	
					Bottom	7.2	0.4	111	22.5	22.5	8.0	8.0	28.9	28.9	95.7	95.7	7.0	7.0	28.7		19		-				-		-	
						7.2	0.4	111	22.5		8.0		28.9		95.7		7.0		28.7		21		-				-		-	
SR4A	Fine	Moderate	13:03	8.8	Surface	1.0	0.4	99	25.8	25.8	7.9	7.9	29.9	29.9	98.1	98.1	6.7	6.8	8.0	9.5	13	13	-	-	817203	807815	-	-	-	-
						1.0	0.4	107	25.8		7.9		29.9		98.1		6.7		8.1		12		-				-		-	
					Middle	4.4	0.4	88	25.7	25.7	7.9	7.9	29.9	29.9	97.9	97.9	6.8		9.6		12		-				-		-	
						4.4	0.4	95	25.7		7.9		29.9		97.9		6.8		9.6		12		-				-		-	
					Bottom	7.8	0.3	110	25.6	25.6	7.8	7.8	29.8	29.8	99.6	99.7	6.9	6.9	10.9		14		-				-		-	
						7.8	0.3	119	25.6		7.8		29.8		99.7		6.9		11.0		15		-				-		-	
SR5A	Fine	Moderate	13:19	4.2	Surface	1.0	0.1	156	26.2	26.2	7.9	7.9	30.6	30.6	102.1	102.1	6.9	6.9	6.0	5.9	8	8	-	-	816600	810706	-	-	-	-
						1.0	0.1	164	26.2		7.9		30.6		102.1		6.9		6.0		8		-				-		-	
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.1	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	183	26.1	26.1	7.8	7.8	30.2	30.2	102.8	102.8	7.0	7.0	5.7		9		-				-		-	
						3.2	0.1	185	26.1		7.8		30.2		102.8		7.0		5.7		8		-				-		-	
SR6	Fine	Moderate	13:41	3.9	Surface	1.0	0.1	135	25.6	25.6	7.8	7.8	30.4	30.4	98.7	98.7	6.8	6.8	7.1	7.7	12	12	-	-	817914	814659	-	-	-	-
						1.0	0.1	136	25.6		7.8		30.4		98.7		6.8		7.1		12		-				-		-	
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.0	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.1	125	25.5	25.5	7.8	7.8	30.1	30.1	100.8	100.9	7.0	7.0	8.2		12		-				-		-	
						2.9	0.1	131	25.5		7.7		30.1		101.0		7.0		8.2		12		-				-		-	
SR7	Cloudy	Moderate	13:51	19.8	Surface	1.0	0.4	80	23.0	23.0	7.9	7.9	30.1	30.1	92.7	92.7	6.7	6.7	7.0	7.7	9	10	-	-	823634	823726	-	-	-	-
						1.0	0.4	81	23.0		7.9		30.1		92.7		6.7		7.0		10		-				-		-	
					Middle	9.9	0.4	155	22.9	22.9	7.9	7.9	30.1	30.1	92.1	92.1	6.7		7.6		8		-				-		-	
						9.9	0.4	159	22.9		7.9		30.1		92.1		6.7		7.6		10		-				-		-	
					Bottom	18.8	0.4	223	22.9	22.9	7.9	7.9	30.0	30.0	92.1	92.2	6.7	6.7	8.5		13		-				-		-	
						18.8	0.4	226	22.9		7.9		30.0		92.2		6.7		8.6		12		-				-		-	
SR8	Cloudy	Moderate	12:51	5.2	Surface	1.0	0.2	250.0	23.0	23.0	7.9	7.9	29.8	29.8	96.2	96.2	6.9	6.9	9.2	11.2	10	13	-	-	820410	811582	-	-	-	-
						1.0	0.2	273.0	23.0		7.9		29.8		96.2		6.9		9.2		10		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.2	223.0	22.6	22.6	7.8	7.8	30.0	30.1	96.9	96.9	7.0	7.0	13.1		15		-				-		-	
						4.2	0.2	230.0	22.6		7.8		30.1		96.9		7.0		13.1		16		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 17 November 16 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	08:55	8.1	Surface	1.0	0.8	58	25.7	25.7	7.8	7.8	30.2	30.2	96.3	96.3	6.6	6.6	10.5	15.8	17	27	86	89	815623	804241	<0.2	<0.2	1.1	1.0
						1.0	0.9	62	25.6		7.8		30.2		96.3		6.6		10.5		19		86				<0.2		1.1	
					Middle	4.1	0.6	57	25.6	25.7	7.8	7.8	30.2	30.2	95.6	95.6	6.6		12.3		24		89				<0.2		1.1	
						4.1	0.7	59	25.7		7.8		30.2		95.5		6.6		12.3		26		90				<0.2		1.0	
					Bottom	7.1	0.6	57	25.3	25.3	7.8	7.8	30.4	30.4	93.7	93.7	6.5	6.5	24.5		36		92				<0.2		0.9	
						7.1	0.7	60	25.3		7.8		30.4		93.7		6.5		24.7		38		93				<0.2		1.0	
C2	Cloudy	Moderate	10:23	12.3	Surface	1.0	0.4	261	23.0	23.0	7.8	7.8	28.1	28.1	91.1	91.1	6.7	6.7	8.4	14.3	10	11	85	90	825693	806925	<0.2	<0.2	1.5	1.5
						1.0	0.4	284	23.0		7.8		28.1		91.1		6.7		8.5		12		84				<0.2		1.4	
					Middle	6.2	0.4	271	22.6	22.6	7.8	7.8	28.4	28.4	89.4	89.4	6.6		14.3		11		92				<0.2		1.5	
						6.2	0.5	288	22.6		7.8		28.4		89.4		6.6		14.3		12		93				<0.2		1.5	
					Bottom	11.3	0.4	177	22.6	22.6	7.9	7.9	28.8	28.8	89.8	89.8	6.6	6.6	20.1		10		94				<0.2		1.5	
						11.3	0.4	189	22.6		7.9		28.8		89.8		6.6		20.2		10		94				<0.2		1.5	
C3	Cloudy	Moderate	08:22	11.6	Surface	1.0	0.6	274	22.7	22.7	7.9	7.9	30.3	30.3	94.6	94.5	6.9	6.8	7.0	15.2	11	14	89	93	822094	817789	<0.2	<0.2	0.9	0.8
						1.0	0.6	294	22.7		7.9		30.3		94.4		6.8		7.2		10		89				<0.2		1.0	
					Middle	5.8	0.6	273	22.7	22.7	7.9	7.9	30.5	30.5	93.4	93.4	6.8		9.6		11		94				<0.2		0.8	
						5.8	0.6	279	22.7		7.9		30.5		93.4		6.8		9.8		9		94				<0.2		0.8	
					Bottom	10.6	0.5	274	22.7	22.7	7.9	7.9	30.4	30.4	93.7	93.7	6.8	6.8	29.3		22		95				<0.2		0.7	
						10.6	0.5	279	22.7		7.9		30.4		93.7		6.8		28.3		21		96				<0.2		0.7	
IM1	Fine	Moderate	09:21	8.7	Surface	1.0	0.6	74	25.6	25.6	7.9	7.9	30.3	30.3	96.3	96.3	6.6	6.6	10.6	15.1	16	16	89	91	818359	806441	<0.2	<0.2	0.7	0.8
						1.0	0.6	80	25.6		7.9		30.3		96.3		6.6		10.7		15		89				<0.2		0.7	
					Middle	4.4	0.5	104	25.5	25.5	7.9	7.9	30.3	30.3	95.4	95.4	6.6		13.5		17		90				<0.2		0.8	
						4.4	0.6	106	25.5		7.9		30.3		95.3		6.6		13.5		17		92				<0.2		0.8	
					Bottom	7.7	0.5	137	25.3	25.4	7.8	7.8	30.5	30.5	94.4	94.4	6.5	6.5	21.3		16		93				<0.2		1.0	
						7.7	0.5	147	25.4		7.8		30.5		94.4		6.5		21.0		16		94				<0.2		0.9	
IM2	Fine	Moderate	09:38	9.1	Surface	1.0	0.7	58	25.8	25.8	7.9	7.9	30.1	30.1	96.5	96.5	6.6	6.6	12.1	16.7	17	20	87	91	818866	806211	<0.2	<0.2	0.7	0.8
						1.0	0.7	59	25.8		7.9		30.1		96.5		6.6		12.2		17		88				<0.2		0.7	
					Middle	4.6	0.5	99	25.7	25.7	7.9	7.9	30.5	30.5	96.2	96.2	6.6		15.0		19		91				<0.2		0.8	
						4.6	0.6	106	25.7		7.9		30.4		96.2		6.6		14.9		18		92				<0.2		0.7	
					Bottom	8.1	0.5	129	25.5	25.5	7.9	7.9	30.6	30.6	95.8	95.8	6.6	6.6	21.4		22		94				<0.2		0.8	
						8.1	0.5	141	25.5		7.9		30.6		95.7		6.6		24.4		25		95				<0.2		0.8	
IM3	Fine	Moderate	09:46	8.9	Surface	1.0	0.6	70	25.9	25.9	7.9	7.9	30.2	30.2	96.8	96.8	6.6	6.6	10.5	14.0	12	19	86	89	819412	806021	<0.2	<0.2	0.9	1.0
						1.0	0.7	74	25.9		7.9		30.2		96.8		6.6		10.6		13		86				<0.2		0.9	
					Middle	4.5	0.7	54	25.7	25.7	7.9	7.9	30.5	30.5	96.6	96.6	6.6		13.5		15		89				<0.2		1.0	
						4.5	0.7	54	25.7		7.9		30.5		96.5		6.6		13.4		17		90				<0.2		1.0	
					Bottom	7.9	0.6	69	25.5	25.5	7.9	7.9	30.8	30.8	96.2	96.3	6.6	6.6	17.8		27		92				<0.2		1.0	
						7.9	0.6	74	25.5		7.9		30.8		96.3		6.6		17.9		29		92				<0.2		0.9	
IM4	Fine	Moderate	09:53	8.3	Surface	1.0	0.5	85	25.8	25.8	7.9	7.9	30.5	30.5	97.0	97.0	6.6	6.6	11.8	13.9	15	21	85	88	819558	805054	<0.2	<0.2	0.7	0.8
						1.0	0.6	89	25.8		7.9		30.5		97.0		6.6		11.8		15		86				<0.2		0.8	
					Middle	4.2	0.6	97	25.7	25.7	7.9	7.9	30.7	30.7	96.4	96.4	6.6		13.4		20		87				<0.2		0.8	
						4.2	0.6	101	25.7		7.9		30.7		96.4		6.6		13.6		18		89				<0.2		0.8	
					Bottom	7.3	0.6	78	25.5	25.5	7.9	7.9	30.9	30.9	95.6	95.6	6.6	6.6	16.4		29		91				<0.2		0.8	
						7.3	0.6	84	25.5		7.9		30.9		95.6		6.6		16.3		31		92				<0.2		0.8	
IM5	Fine	Moderate	09:59	7.1	Surface	1.0	0.6	74	25.9	25.9	7.9	7.9	30.7	30.7	97.5	97.5	6.7	6.7	11.6	17.4	17	18	87	91	820576	804909	<0.2	<0.2	0.8	0.9
						1.0	0.6	79	25.9		7.9		30.7		97.5		6.7		11.6		17		87				<0.2		0.8	
					Middle	3.6	0.5	104	25.6	25.6	7.9	7.9	30.9	30.9	96.6	96.6	6.6		16.1		17		91				<0.2		1.1	
						3.6	0.5	108	25.6		7.9		30.9		96.6		6.6		16.2		16		92				<0.2		1.0	
					Bottom	6.1	0.5	125	25.4	25.4	7.9	7.9	31.0	31.0	95.6	95.6	6.6	6.6	24.6		19		94				<0.2		0.8	
						6.1	0.5	128	25.4		7.9		31.0		95.6		6.6		24.4		20		94				<0.2		0.7	
IM6	Fine	Moderate	10:05	7.2	Surface	1.0	0.6	82	25.8	25.8	7.9	7.9	30.8	30.8	97.6	97.6	6.7	6.7	10.8	16.6	15	16	86	89	821058	805839	<0.2	<0.2	0.8	0.8
						1.0	0.6	86	25.8		7.9		30.8		97.6		6.7		10.8		15		87				<0.2		0.8	
					Middle	3.6	0.7	106	25.6	25.6	7.9	7.9	30.9	30.9	95.9	95.9	6.6		14.0		16		88				<0.2		0.8	
						3.6	0.7	110	25.6		7.9		30.9		95.9		6.6		14.1		18		89				<0.2		0.8	
					Bottom	6.2	0.5	77	25.4	25.4	7.9	7.9	31.0	31.0	95.2	95.2	6.5	6.5	24.9		16		92				<0.2		0.8	
						6.2	0.5	78	25.4		7.9		31.0		95.2		6.5		24.8		18		93				<0.2		0.8	
IM7	Fine	Moderate	10:10	8.4	Surface	1.0	0.6	61	25.8	25.8	7.9	7.9	30.8	30.8	97.1	97.1	6.6	6.6	12.1	14.2	14	14	87	91	821354	806837	<0.2	<0.2	1.1	0.9
						1.0	0.6	65	25.8		7.9		30.8		97.0		6.6		12.0		12		88				<0.2		0.9	
					Middle	4.2	0.5	75	25.5	25.5	7.9	7.9	31.0	31.0	96.0	96.0	6.6		14.6		12		90				<0.2		0.9	
						4.2	0.5	76	25.5		7.9		30.9		95.9		6.6		14.6		14		91				<0.2		1.0	
					Bottom	7.4	0.5	69	25.4	25.4	7.9	7.9	31.0	31.0	96.2	96.2	6.6	6.6	15.9		15		93				<0.2		0.8	
						7.4	0.5	71	25.4		7.9		31.0		96.2		6.6		15.9		15		94				<0.2		0.8	
IM8	Cloudy	Moderate	09:43	8.3	Surface	1.0	0.6	52	23.0	23.0	7.8	7.8	28.1	28.1	90.3	90.3	6.6	6.6	9.2	12.8	7	11	85	90	821714	807835	<0.2	<0.2	2.8	2.8
						1.0	0.6	55	23.0		7.8		28.1		90.2		6.6		9.2		9		85				<0.2		2.9	
					Middle	4.2	0.5	79	22.7	22.7	7.8	7.8	28.2	28.2	89.4	89.4	6.6		12.9		9		92				<0.2		2.6	
						4.2	0.5	85	22.7		7.8		28.2		89.4		6.6		13.1		11		92				<0.2		2.7	
					Bottom	7.3	0.4	138	22.7	22.7	7.8	7.8	28.5	28.5	89.4	89.4	6.5	6.5	16.0		14		94				<0.2		2.9	
						7.3	0.4	149	22.7		7.8		28.5		89.4		6.5		16.1		14		94				<0.2		2.9	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 17 November 16 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	09:35	7.2	Surface	1.0	0.4	146	22.8	22.8	7.8	7.8	28.5	28.5	91.1	91.1	6.7	6.7	15.9	19.7	18	19	86	91	822102	808824	<0.2	<0.2	1.8	2.3
						1.0	0.4	155	22.8		7.8		28.5		91.1		6.7		15.9		18		85				<0.2		1.9	
					Middle	3.6	0.4	208	22.7	22.7	7.8	7.8	28.8	28.8	91.5	91.6	6.7		20.0		17		92				<0.2		2.4	
						3.6	0.4	216	22.7		7.8		28.8		91.7		6.7		19.8		18		92				<0.2		2.7	
					Bottom	6.2	0.4	243	22.7	22.7	7.8	7.8	29.1	29.1	94.1	94.2	6.9	6.9	23.4		22		94				<0.2		2.4	
						6.2	0.4	243	22.7		7.8		29.1		94.2		6.9		23.0		21		94				<0.2		2.4	
IM10	Cloudy	Moderate	09:26	8.2	Surface	1.0	0.5	307	22.7	22.7	7.9	7.9	30.2	30.2	94.2	94.2	6.8	6.8	13.5	22.8	16	17	86	91	822220	809818	<0.2	<0.2	1.4	1.4
						1.0	0.5	337	22.7		7.9		30.2		94.2		6.8		13.6		18		86				<0.2		1.4	
					Middle	4.1	0.5	272	22.7	22.7	7.9	7.9	30.3	30.3	94.1	94.1	6.8		17.2		16		93				<0.2		1.3	
						4.1	0.5	298	22.7		7.9		30.3		94.1		6.8		17.3		18		93				<0.2		1.4	
					Bottom	7.2	0.4	239	22.6	22.6	7.9	7.9	30.4	30.5	93.9	93.9	6.8	6.8	35.8		17		95				<0.2		1.3	
						7.2	0.5	249	22.6		7.9		30.5		93.8		6.8		39.2		18		94				<0.2		1.3	
IM11	Cloudy	Moderate	09:16	8.6	Surface	1.0	0.4	277	22.7	22.7	7.9	7.9	30.1	30.1	94.1	94.1	6.8	6.8	13.8	20.4	13	18	87	91	821494	810528	<0.2	<0.2	1.2	1.3
						1.0	0.4	291	22.7		7.9		30.1		94.1		6.8		14.0		15		86				<0.2		1.2	
					Middle	4.3	0.4	276	22.6	22.6	7.9	7.9	30.2	30.2	93.9	94.0	6.8		16.8		17		93				<0.2		1.6	
						4.3	0.4	286	22.6		7.9		30.2		94.0		6.8		16.8		18		93				<0.2		1.5	
					Bottom	7.6	0.3	241	22.6	22.6	7.9	7.9	30.5	30.5	94.9	95.0	6.9	6.9	30.4		22		95				<0.2		1.1	
						7.6	0.3	257	22.6		7.9		30.5		95.0		6.9		30.3		21		94				<0.2		1.1	
IM12	Cloudy	Moderate	09:09	9.1	Surface	1.0	0.4	258	22.7	22.7	7.9	7.9	30.1	30.1	94.0	94.0	6.8	6.8	17.8	22.6	21	25	87	92	821167	811537	<0.2	<0.2	1.4	1.3
						1.0	0.5	283	22.7		7.9		30.1		93.9		6.8		17.9		21		87				<0.2		1.4	
					Middle	4.6	0.4	259	22.6	22.6	7.9	7.9	30.2	30.2	93.6	93.6	6.8		21.8		24		94				<0.2		1.1	
						4.6	0.5	279	22.6		7.9		30.2		93.5		6.8		21.1		23		93				<0.2		1.3	
					Bottom	8.1	0.4	268	22.6	22.6	7.9	7.9	30.4	30.4	93.3	93.3	6.8	6.8	28.4		29		95				<0.2		1.4	
						8.1	0.4	269	22.6		7.9		30.4		93.3		6.8		28.4		29		94				<0.2		1.4	
SR2	Cloudy	Moderate	08:44	4.5	Surface	1.0	0.2	259	22.6	22.6	7.9	7.9	30.4	30.4	93.0	93.0	6.7	6.7	17.6	18.4	16	16	88	92	821477	814160	<0.2	<0.2	1.6	1.6
						1.0	0.3	277	22.6		7.9		30.4		93.0		6.7		17.7		15		88				<0.2		1.7	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.2	273	22.6	22.6	7.9	7.9	30.4	30.4	93.3	93.4	6.8	6.8	19.0		16		95				<0.2		1.6	
						3.5	0.2	280	22.6		7.9		30.4		93.4		6.8		19.1		16		95				<0.2		1.6	
SR3	Cloudy	Moderate	09:51	8.8	Surface	1.0	0.6	68	23.0	23.0	7.8	7.8	28.1	28.1	90.1	90.1	6.6	6.6	8.5	12.0	9	9	-	-	822127	807584	-	-	-	-
						1.0	0.6	70	23.0		7.8		28.1		90.1		6.6		8.5		9		-				-		-	
					Middle	4.4	0.5	68	22.7	22.7	7.8	7.8	28.2	28.2	89.3	89.3	6.5		10.5		7		-				-		-	
						4.4	0.5	72	22.7		7.8		28.2		89.3		6.5		10.6		8		-				-		-	
					Bottom	7.8	0.4	112	22.6	22.6	7.8	7.8	28.6	28.6	89.6	89.6	6.6	6.6	17.1		10		-				-		-	
						7.8	0.5	119	22.6		7.8		28.6		89.6		6.6		17.0		8		-				-		-	
SR4A	Fine	Moderate	08:38	6.7	Surface	1.0	0.3	131	25.7	25.7	7.8	7.8	30.1	30.1	96.4	96.4	6.6	6.6	10.5	16.8	18	26	-	-	817174	807825	-	-	-	-
						1.0	0.3	134	25.7		7.8		30.1		96.4		6.6		10.6		17		-				-		-	
					Middle	3.4	0.3	111	25.5	25.5	7.8	7.8	30.2	30.2	95.0	95.0	6.6		15.3		27		-				-		-	
						3.4	0.4	115	25.5		7.8		30.2		95.0		6.5		15.3		26		-				-		-	
					Bottom	5.7	0.4	109	25.3	25.3	7.8	7.8	30.3	30.3	93.5	93.5	6.5	6.5	24.5		36		-				-		-	
						5.7	0.5	114	25.3		7.8		30.3		93.5		6.5		24.8		33		-				-		-	
SR5A	Fine	Moderate	08:11	4.1	Surface	1.0	0.1	204	25.3	25.3	7.8	7.8	30.4	30.4	94.1	94.1	6.5	6.5	10.6	11.9	16	18	-	-	816590	810695	-	-	-	-
						1.0	0.1	220	25.3		7.8		30.4		94.1		6.5		10.6		18		-				-		-	
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.1	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.1	176	25.3	25.3	7.7	7.7	30.2	30.2	95.3	95.4	6.6	6.6	13.3		19		-				-		-	
						3.1	0.1	189	25.3		7.7		30.1		95.4		6.6		13.1		18		-				-		-	
SR6	Fine	Moderate	07:47	18.8	Surface	1.0	0.1	212	25.4	25.4	7.7	7.7	30.1	30.1	92.8	92.8	6.4	6.4	14.6	18.1	20	26	-	-	817914	814646	-	-	-	-
						1.0	0.1	215	25.4		7.7		30.1		92.8		6.4		14.6		20		-				-		-	
					Middle	9.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						9.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	17.8	0.1	205	25.4	25.4	7.7	7.7	29.9	29.9	92.7	92.8	6.4	6.4	21.6		33		-				-		-	
						17.8	0.1	222	25.4		7.7		29.9		92.8		6.4		21.6		32		-				-		-	
SR7	Cloudy	Moderate	07:50	18.8	Surface	1.0	0.2	196	22.7	22.7	7.8	7.8	30.4	30.4	92.0	92.0	6.7	6.7	12.9	20.7	17	19	-	-	823655	823761	-	-	-	-
						1.0	0.2	204	22.7		7.8		30.4		92.0		6.7		12.9		16		-				-		-	
					Middle	9.4	0.3	113	22.7	22.7	7.8	7.8	30.5	30.5	91.6	91.6	6.6		18.6		20		-				-		-	
						9.4	0.3	113	22.7		7.8		30.5		91.6		6.6		18.5		20		-				-		-	
					Bottom	17.8	0.3	139	22.7	22.7	7.8	7.8	30.7	30.8	91.6	91.9	6.6	6.7	30.9		20		-				-		-	
						17.8	0.3	147	22.7		7.8		30.8		92.1		6.7		30.4		21		-				-		-	
SR8	Cloudy	Moderate	08:59	5.1	Surface	1.0	0.2	198	23.0	23.0	7.8	7.8	29.5	29.5	94.5	94.5	6.8	6.8	13.4	18.9	19	19	-	-	820419	811581	-	-	-	-
						1.0	0.2	200	23.0		7.8		29.5		94.5		6.8		13.5		19		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.2	235	22.6	22.6	7.9	7.9	30.4	30.4	94.8	94.8	6.9	6.9	24.3		18		-				-		-	
						4.1	0.2	256	22.6		7.9		30.4		94.8		6.9		24.3		18		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 17 November 16 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	14:12	8.4	Surface	1.0	0.2	149	25.7	25.7	7.9	7.9	29.9	29.9	96.5	96.5	6.6	6.6	9.5	11.0	13	16	86	90	815626	804246	<0.2	<0.2	0.9	0.9
						1.0	0.2	155	25.7		7.9		29.9		96.4		6.6		9.5		14		86				<0.2		0.9	
					Middle	4.2	0.2	191	25.3	25.4	7.9	7.9	29.9	29.9	94.8	94.8	6.6		11.8		16		90				<0.2		0.8	
						4.2	0.2	204	25.4		7.9		29.9		94.8		6.6		11.8		16		90				<0.2		1.0	
					Bottom	7.4	0.2	208	25.4	25.4	7.9	7.9	30.0	30.0	96.5	96.6	6.7	6.7	11.8		18		94				<0.2		1.0	
						7.4	0.3	223	25.4		7.9		30.0		96.6		6.7		11.5		18		94				<0.2		1.0	
C2	Cloudy	Moderate	13:17	18.8	Surface	1.0	0.2	211	23.2	23.2	7.8	7.8	28.1	28.1	92.3	92.3	6.7	6.7	8.2	19.0	10	10	84	90	825698	806949	<0.2	<0.2	2.3	2.0
						1.0	0.3	216	23.2		7.8		28.1		92.3		6.7		8.1		8		84				<0.2		2.2	
					Middle	9.4	0.2	165	22.7	22.7	7.8	7.8	28.5	28.5	89.9	89.9	6.6		19.0		8		92				<0.2		1.9	
						9.4	0.2	178	22.7		7.8		28.5		89.9		6.6		19.2		9		91				<0.2		1.9	
					Bottom	17.8	0.3	94	22.7	22.7	7.8	7.8	28.9	28.8	89.8	90.1	6.6	6.6	29.2		13		93				<0.2		1.7	
						17.8	0.3	94	22.7		7.8		28.7		90.3		6.6		30.4		12		94				<0.2		1.8	
C3	Cloudy	Moderate	15:13	12.9	Surface	1.0	0.5	77	23.0	23.0	8.0	8.0	30.4	30.4	93.2	93.2	6.7	6.7	7.3	10.7	7	9	90	93	822113	817799	<0.2	<0.2	1.1	1.0
						1.0	0.6	84	23.0		8.0		30.4		93.1		6.7		7.4		8		89				<0.2		1.0	
					Middle	6.5	0.6	90	22.8	22.8	8.0	8.0	30.7	30.7	91.5	91.6	6.6		9.6		8		93				<0.2		1.0	
						6.5	0.6	93	22.8		8.0		30.7		91.6		6.6		9.6		7		93				<0.2		1.1	
					Bottom	11.9	0.6	91	22.8	22.8	8.0	8.0	30.9	30.9	91.5	91.7	6.6	6.6	15.2		12		95				<0.2		1.0	
						11.9	0.6	96	22.8		7.9		30.9		91.9		6.6		15.3		10		95				<0.2		1.0	
IM1	Fine	Moderate	13:55	7.7	Surface	1.0	0.3	162	25.4	25.4	7.9	7.9	30.2	30.2	94.0	94.0	6.5	6.5	13.4	16.7	11	14	86	89	818337	806452	<0.2	<0.2	0.8	0.9
						1.0	0.3	171	25.4		7.9		30.2		94.0		6.5		13.6		10		86				<0.2		0.7	
					Middle	3.9	0.3	168	25.3	25.3	7.9	7.9	30.2	30.2	93.9	94.0	6.5		17.1		16		88				<0.2		0.9	
						3.9	0.3	170	25.3		7.9		30.2		94.0		6.5		17.2		15		89				<0.2		1.0	
					Bottom	6.7	0.3	134	25.3	25.3	7.9	7.9	30.1	30.1	95.5	95.6	6.6	6.6	19.5		16		91				<0.2		1.0	
						6.7	0.3	145	25.3		7.9		30.1		95.6		6.6		19.5		16		92				<0.2		0.9	
IM2	Fine	Moderate	13:51	9.1	Surface	1.0	0.5	114	25.8	25.8	7.9	7.9	30.4	30.4	98.0	98.0	6.7	6.7	9.1	9.8	14	14	87	89	818862	806212	<0.2	<0.2	1.0	1.0
						1.0	0.5	125	25.8		7.9		30.4		98.0		6.7		9.1		13		87				<0.2		1.0	
					Middle	4.6	0.4	129	25.7	25.7	7.9	7.9	30.4	30.4	97.7	97.7	6.7		9.4		15		89				<0.2		1.2	
						4.6	0.5	140	25.7		7.9		30.4		97.7		6.7		9.4		15		89				<0.2		0.9	
					Bottom	8.1	0.5	162	25.6	25.6	7.9	7.9	30.3	30.3	97.6	97.6	6.7	6.7	10.8		15		91				<0.2		0.8	
						8.1	0.5	162	25.6		7.9		30.3		97.6		6.7		10.8		14		92				<0.2		0.9	
IM3	Fine	Moderate	13:44	9.3	Surface	1.0	0.5	93	25.8	25.8	8.0	8.0	30.8	30.8	98.3	98.3	6.7	6.7	9.3	11.3	11	12	86	90	819420	806006	<0.2	<0.2	1.4	1.1
						1.0	0.5	98	25.8		8.0		30.8		98.3		6.7		9.3		12		86				<0.2		1.3	
					Middle	4.7	0.4	128	25.8	25.8	8.0	8.0	30.8	30.8	97.8	97.8	6.7		10.3		12		90				<0.2		1.1	
						4.7	0.4	137	25.8		8.0		30.8		97.8		6.7		10.3		11		91				<0.2		0.9	
					Bottom	8.3	0.4	123	25.5	25.5	7.9	7.9	30.9	30.9	96.8	96.8	6.6	6.6	14.4		13		93				<0.2		0.9	
						8.3	0.4	127	25.5		7.9		30.9		96.8		6.6		14.3		13		94				<0.2		1.0	
IM4	Fine	Moderate	13:37	8.2	Surface	1.0	0.5	87	25.7	25.8	7.9	7.9	30.8	30.8	98.1	98.1	6.7	6.7	9.5	11.6	10	15	85	88	819586	805047	<0.2	<0.2	1.1	1.0
						1.0	0.5	91	25.8		7.9		30.8		98.1		6.7		9.4		12		85				<0.2		1.0	
					Middle	4.1	0.4	100	25.7	25.7	7.9	7.9	30.8	30.9	97.7	97.7	6.7		10.3		14		87				<0.2		1.2	
						4.1	0.5	106	25.7		7.9		30.9		97.6		6.7		10.4		16		89				<0.2		1.3	
					Bottom	7.2	0.4	114	25.5	25.5	7.9	7.9	30.9	30.9	96.8	96.8	6.7	6.7	14.9		18		90				<0.2		0.8	
						7.2	0.4	114	25.5		7.9		30.8		96.8		6.6		14.9		18		91				<0.2		0.8	
IM5	Fine	Moderate	13:30	6.9	Surface	1.0	0.3	89	25.7	25.7	7.9	7.9	30.8	30.8	98.3	98.3	6.7	6.7	9.5	13.1	13	13	86	90	820569	804907	<0.2	<0.2	0.8	0.8
						1.0	0.4	91	25.7		7.9		30.8		98.2		6.7		9.5		14		85				<0.2		0.8	
					Middle	3.5	0.4	91	25.8	25.8	7.9	7.9	30.8	30.8	97.8	97.8	6.7		10.5		14		89				<0.2		0.8	
						3.5	0.5	91	25.7		7.9		30.8		97.7		6.7		10.6		14		90				<0.2		0.8	
					Bottom	5.9	0.4	99	25.5	25.5	7.9	7.9	30.9	30.9	96.2	96.2	6.6	6.6	19.4		12		93				<0.2		0.8	
						5.9	0.4	104	25.5		7.9		30.9		96.2		6.6		19.3		12		94				<0.2		0.8	
IM6	Fine	Moderate	13:23	7.1	Surface	1.0	0.4	56	25.7	25.7	7.9	7.9	30.8	30.8	98.1	98.1	6.7	6.7	9.8	14.2	15	16	85	89	821049	805817	<0.2	<0.2	0.8	0.9
						1.0	0.5	57	25.7		7.9		30.8		98.1		6.7		9.7		16		86				<0.2		0.9	
					Middle	3.6	0.5	84	25.7	25.7	7.9	7.9	30.7	30.8	97.7	97.7	6.7		10.5		16		88				<0.2		0.9	
						3.6	0.5	84	25.7		7.9		30.8		97.7		6.7		10.4		17		88				<0.2		0.8	
					Bottom	6.1	0.4	87	25.5	25.5	7.9	7.9	30.8	30.8	95.8	95.9	6.6	6.6	22.2		17		92				<0.2		0.8	
						6.1	0.4	91	25.5		7.9		30.8		95.9		6.6		22.3		17		92				<0.2		0.9	
IM7	Fine	Moderate	13:16	18.8	Surface	1.0	0.6	76	25.8	25.8	7.9	7.9	30.6	30.6	97.9	97.9	6.7	6.7	10.3	13.8	14	15	87	90	821358	806819	<0.2	<0.2	0.9	0.9
						1.0	0.6	78	25.8		7.9		30.6		97.9		6.7		10.4		15		86				<0.2		0.9	
					Middle	9.4	0.6	68	25.6	25.6	7.9	7.9	30.6	30.6	97.2	97.2	6.7		12.3		13		89				<0.2		1.0	
						9.4	0.6	71	25.6		7.9		30.6		97.2		6.7		12.4		15		90				<0.2		1.0	
					Bottom	17.8	0.5	73	25.4	25.4	7.9	7.9	30.5	30.5	96.8	96.8	6.7	6.7	18.6		15		94				<0.2		0.9	
						17.8	0.5	74	25.4		7.9		30.5		96.8		6.7		18.6		16		94				<0.2		0.9	
IM8	Cloudy	Moderate	13:59	8.1	Surface	1.0	0.5	68	23.0	23.0	7.9	7.9	29.7	29.7	95.8	95.8	6.9	6.9	8.7	13.9	6	9	84	90	821706	807836	<0.2	<0.2	1.4	1.5
						1.0	0.5	68	23.0		7.9		29.7		95.8		6.9		8.8		8		84				<0.2		1.5	
					Middle	4.1	0.5	85	23.1	23.1	7.9	7.9	30.1	30.1	96.4	96.4	6.9		11.5		8		92				<0.2		1.4	
						4.1	0.5	85	23.1		7.9		30.1		96.3		6.9		11.6		10		92				<0.2		1.3	
					Bottom	7.1	0.4	91	22.9	22.9	7.9	7.9	30.3	30.3	95.3	95.3	6.9	6.9	21.7		11		94				<0.2		1.7	
						7.1	0.4	99	22.9		7.9		30.3		95.3		6.9		21.0		10		94				<0.2		1.7	

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Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
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Water Quality Monitoring
Water Quality Monitoring Results on 17 November 16 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	14:09	7.2	Surface	1.0	0.5	70	23.0	23.0	7.9	7.9	29.8	29.8	96.2	96.2	7.0	7.0	8.5	16.9	10	10	85	90	822080	808819	<0.2	<0.2	1.7	1.5
						1.0	0.5	74	23.0		7.9		29.8		96.1		6.9		8.6		8		84				<0.2		1.6	
					Middle	3.6	0.5	75	23.1	23.1	7.9	7.9	30.3	30.3	96.9	96.9	7.0		10.6		12		93				<0.2		1.6	
						3.6	0.5	77	23.1		7.9		30.3		96.9		7.0		10.5		12		92				<0.2		1.6	
					Bottom	6.2	0.4	74	22.8	22.8	7.9	7.9	30.5	30.5	99.7	100.2	7.2	7.3	33.2		10		94				<0.2		1.2	
						6.2	0.5	74	22.8		7.9		30.4		100.6		7.3		29.8		10		94				<0.2		1.0	
IM10	Cloudy	Moderate	14:17	7.4	Surface	1.0	0.5	91	23.0	23.0	7.9	7.9	29.8	29.8	95.3	95.3	6.9	6.9	8.8	14.5	9	9	85	91	822220	809843	<0.2	<0.2	1.4	1.3
						1.0	0.6	99	23.0		7.9		29.8		95.2		6.9		8.9		10		85				<0.2		1.4	
					Middle	3.7	0.5	92	22.8	22.8	7.9	7.9	30.2	30.2	94.3	94.4	6.8		16.7		8		93				<0.2		1.3	
						3.7	0.5	98	22.8		7.9		30.2		94.4		6.8		16.5		9		93				<0.2		1.3	
					Bottom	6.4	0.4	99	22.8	22.8	7.9	7.9	30.2	30.2	95.5	95.6	6.9	6.9	18.1		10		95				<0.2		1.3	
						6.4	0.4	102	22.8		7.9		30.2		95.6		6.9		18.1		9		94				<0.2		1.3	
IM11	Cloudy	Moderate	14:24	8.1	Surface	1.0	0.4	114	23.2	23.2	7.9	7.9	29.9	30.0	95.5	95.5	6.9	6.9	8.6	8.9	9	14	86	91	821511	810558	<0.2	<0.2	1.4	1.1
						1.0	0.4	120	23.2		7.9		30.0		95.4		6.9		8.7		8		87				<0.2		1.4	
					Middle	4.1	0.4	119	22.8	22.8	7.9	7.9	30.1	30.1	94.7	94.7	6.9		9.0		12		93				<0.2		0.8	
						4.1	0.4	122	22.8		7.9		30.1		94.7		6.9		8.9		14		93				<0.2		0.7	
					Bottom	7.1	0.3	189	22.6	22.6	7.9	7.9	30.4	30.4	95.7	96.1	6.9	7.0	9.2		20		95				<0.2		1.2	
						7.1	0.3	192	22.6		7.9		30.4		96.5		7.0		8.8		22		94				<0.2		1.3	
IM12	Cloudy	Moderate	14:31	8.3	Surface	1.0	0.4	97	23.0	23.1	7.9	7.9	29.8	29.8	96.2	96.2	6.9	6.9	7.1	9.0	13	15	87	92	821159	811506	<0.2	<0.2	1.1	1.2
						1.0	0.4	103	23.1		7.9		29.8		96.2		6.9		7.1		14		87				<0.2		1.0	
					Middle	4.2	0.4	106	23.0	23.0	7.9	7.9	30.1	30.1	95.7	95.7	6.9		7.9		14		93				<0.2		1.4	
						4.2	0.4	113	23.0		7.9		30.1		95.6		6.9		8.0		15		93				<0.2		1.3	
					Bottom	7.3	0.4	103	22.7	22.7	7.9	7.9	30.4	30.4	95.7	95.8	6.9	6.9	11.9		18		95				<0.2		1.3	
						7.3	0.4	109	22.7		7.9		30.4		95.8		6.9		11.8		16		95				<0.2		1.3	
SR2	Cloudy	Moderate	14:51	4.7	Surface	1.0	0.4	101	22.9	22.9	8.0	8.0	30.3	30.3	95.4	95.4	6.9	6.9	9.3	13.3	11	13	89	92	821449	814156	<0.2	<0.2	1.0	1.0
						1.0	0.4	104	22.9		8.0		30.3		95.4		6.9		9.3		12		89				<0.2		1.1	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.4	102	22.8	22.8	7.9	7.9	30.3	30.3	95.9	96.0	6.9	7.0	17.2		14		95				<0.2		0.8	
						3.7	0.5	108	22.8		7.9		30.3		96.1		7.0		17.2		14		95				<0.2		1.0	
SR3	Cloudy	Moderate	13:51	9.3	Surface	1.0	0.5	73	23.1	23.1	7.9	7.9	29.6	29.6	95.8	95.8	6.9	6.9	8.4	16.3	12	11	-	-	822144	807562	-	-	-	-
						1.0	0.6	79	23.1		7.9		29.6		95.8		6.9		8.5		12		-				-		-	
					Middle	4.7	0.5	81	23.1	23.1	7.9	7.9	30.2	30.2	96.4	96.4	6.9		13.0		10		-				-		-	
						4.7	0.6	81	23.1		7.9		30.2		96.4		6.9		13.2		9		-				-		-	
					Bottom	8.3	0.4	86	22.9	22.9	7.9	7.9	30.4	30.4	95.7	95.8	6.9	6.9	27.4		11		-				-		-	
						8.3	0.4	89	22.9		7.9		30.4		95.8		6.9		27.4		11		-				-		-	
SR4A	Fine	Moderate	14:35	7.9	Surface	1.0	0.5	82	25.5	25.5	7.9	7.9	30.1	30.1	95.3	95.3	6.6	6.6	9.1	10.2	16	16	-	-	817192	807829	-	-	-	-
						1.0	0.5	85	25.5		7.9		30.1		95.3		6.6		9.1		14		-				-		-	
					Middle	4.0	0.4	86	25.6	25.6	7.9	7.9	30.0	30.0	95.0	95.0	6.5		9.4		15		-				-		-	
						4.0	0.5	90	25.6		7.9		30.0		95.0		6.5		9.5		16		-				-		-	
					Bottom	6.9	0.5	118	25.4	25.4	7.8	7.8	29.8	29.8	94.8	94.9	6.6	6.6	12.1		16		-				-		-	
						6.9	0.5	124	25.4		7.8		29.8		94.9		6.6		12.0		16		-				-		-	
SR5A	Fine	Moderate	14:52	4.9	Surface	1.0	0.2	182	25.6	25.6	7.8	7.8	30.2	30.2	97.2	97.2	6.7	6.7	9.2	8.9	17	21	-	-	816611	810693	-	-	-	-
						1.0	0.2	195	25.6		7.8		30.2		97.2		6.7		9.1		19		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.1	194	25.4	25.4	7.8	7.8	29.9	29.9	97.2	97.3	6.7	6.7	8.5		22		-				-		-	
						3.9	0.1	203	25.4		7.8		29.9		97.3		6.7		8.6		24		-				-		-	
SR6	Fine	Moderate	15:16	4.2	Surface	1.0	0.2	109	26.0	26.0	7.8	7.8	30.0	30.0	98.3	98.3	6.7	6.7	6.3	7.3	12	13	-	-	817910	814652	-	-	-	-
						1.0	0.2	118	26.0		7.8		30.0		98.3		6.7		6.4		10		-				-		-	
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.1	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	108	25.4	25.4	7.8	7.8	29.6	29.6	96.9	97.0	6.7	6.7	8.3		15		-				-		-	
						3.2	0.1	116	25.4		7.7		29.6		97.0		6.7		8.3		14		-				-		-	
SR7	Cloudy	Moderate	15:42	17.6	Surface	1.0	0.4	56	22.9	22.9	7.9	7.9	31.7	31.7	90.6	90.6	6.5	6.5	7.7	9.3	12	12	-	-	823651	823728	-	-	-	-
						1.0	0.4	58	22.9		7.9		31.7		90.6		6.5		7.7		10		-				-		-	
					Middle	8.8	0.3	146	22.8	22.8	7.9	7.9	31.7	31.7	90.3	90.3	6.5		9.3		13		-				-		-	
						8.8	0.3	148	22.8		7.9		31.7		90.3		6.5		9.2		13		-				-		-	
					Bottom	16.6	0.5	75	22.8	22.8	7.9	7.9	31.6	31.6	91.1	91.1	6.5	6.5	11.1		11		-				-		-	
						16.6	0.6	80	22.8		7.9		31.6		91.1		6.5		11.0		12		-				-		-	
SR8	Cloudy	Moderate	14:37	5.1	Surface	1.0	0.4	129	22.7	22.7	7.9	7.9	30.1	30.1	94.3	94.3	6.8	6.8	12.7	12.8	12	14	-	-	820422	811599	-	-	-	-
						1.0	0.4	139	22.7		7.9		30.1		94.2		6.8		12.8		14		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.3	158	22.6	22.6	7.9	7.9	30.3	30.3	95.4	95.4	6.9	6.9	13.0		16		-				-		-	
						4.1	0.3	163	22.6		7.9		30.3		95.4		6.9		12.7		14		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 19 November 16 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	10:54	8.1	Surface	1.0	0.8	68	25.6	25.6	7.8	7.9	29.7	29.7	93.1	93.1	6.4	6.4	15.8	20.2	22	25	84	89	815612	804241	<0.2	<0.2	1.2	1.1
						1.0	0.8	68	25.6		7.9		29.7		93.1		6.4		15.9		23		83				<0.2		1.1	
					Middle	4.1	0.7	69	25.6	25.6	7.8	7.8	29.7	29.7	93.1	93.1	6.4		17.2		22		90				<0.2		1.1	
						4.1	0.7	71	25.6		7.8		29.7		93.1		6.4		17.2		22		89				<0.2		1.0	
					Bottom	7.1	0.5	86	25.6	25.6	7.8	7.8	29.9	29.9	93.1	93.2	6.4	6.4	28.0		29		94				<0.2		1.1	
						7.1	0.6	89	25.5		7.8		29.9		93.2		6.4		27.1		31		93				<0.2		1.1	
C2	Cloudy	Moderate	12:07	11.3	Surface	1.0	0.3	239	23.1	23.1	7.8	7.8	26.5	26.5	87.0	87.0	6.4	6.4	6.5	14.5	6	9	85	90	825685	806931	<0.2	<0.2	2.7	2.8
						1.0	0.3	248	23.1		7.8		26.5		87.0		6.4		6.6		8		85				<0.2		2.9	
					Middle	5.7	0.4	220	22.8	22.8	7.8	7.8	27.8	27.8	86.4	86.4	6.3		9.3		8		92				<0.2		2.8	
						5.7	0.5	222	22.8		7.8		27.8		86.4		6.3		9.3		10		92				<0.2		2.7	
					Bottom	10.3	0.4	250	22.8	22.8	7.8	7.8	28.0	28.0	86.6	86.6	6.3	6.3	27.7		10		94				<0.2		2.8	
						10.3	0.4	272	22.8		7.8		28.0		86.6		6.3		27.3		11		94				<0.2		2.9	
C3	Cloudy	Moderate	10:12	11.9	Surface	1.0	0.4	254	22.9	22.9	7.9	7.9	29.1	29.1	92.6	92.6	6.7	6.7	9.1	18.7	9	12	89	93	822094	817816	<0.2	<0.2	1.2	1.3
						1.0	0.5	277	22.9		7.9		29.1		92.6		6.7		9.5		9		89				<0.2		1.3	
					Middle	6.0	0.5	255	22.8	22.8	7.9	7.9	29.4	29.4	91.6	91.6	6.7		19.7		13		93				<0.2		1.2	
						6.0	0.5	259	22.8		7.9		29.4		91.6		6.7		19.7		12		94				<0.2		1.3	
					Bottom	10.9	0.5	269	22.7	22.7	7.9	7.9	29.5	29.5	91.9	91.9	6.7	6.7	27.3		15		95				<0.2		1.3	
						10.9	0.5	295	22.7		7.9		29.5		91.9		6.7		27.0		15		95				<0.2		1.2	
IM1	Cloudy	Moderate	11:15	8.8	Surface	1.0	0.5	87	25.9	25.9	7.8	7.8	28.4	28.4	90.8	90.8	6.3	6.3	16.3	21.6	16	19	86	90	818365	806440	<0.2	<0.2	1.5	1.4
						1.0	0.5	94	25.9		7.8		28.4		90.8		6.3		16.7		15		85				<0.2		1.4	
					Middle	4.4	0.5	127	25.7	25.8	7.8	7.8	28.8	28.8	90.2	90.4	6.3		25.2		18		91				<0.2		1.4	
						4.4	0.5	138	25.8		7.8		28.7		90.5		6.3		24.9		17		90				<0.2		1.5	
					Bottom	7.8	0.4	171	25.7	25.7	7.8	7.8	28.8	28.8	90.5	90.5	6.3	6.3	23.6		22		94				<0.2		1.3	
						7.8	0.4	171	25.7		7.8		28.8		90.5		6.3		23.0		23		94				<0.2		1.2	
IM2	Cloudy	Moderate	11:20	9.0	Surface	1.0	0.5	116	25.9	25.9	7.8	7.8	28.0	28.0	90.4	90.4	6.3	6.3	14.3	20.7	18	25	85	90	818832	806175	<0.2	<0.2	1.7	1.7
						1.0	0.5	122	25.9		7.8		28.0		90.4		6.3		14.5		19		85				<0.2		1.7	
					Middle	4.5	0.5	92	25.8	25.8	7.8	7.8	28.3	28.3	90.3	90.3	6.3		21.2		19		93				<0.2		1.7	
						4.5	0.5	96	25.8		7.8		28.3		90.3		6.3		19.9		19		91				<0.2		1.7	
					Bottom	8.0	0.5	98	25.7	25.7	7.8	7.8	28.4	28.4	91.3	91.3	6.3	6.3	27.1		35		94				<0.2		1.6	
						8.0	0.5	103	25.7		7.8		28.4		91.3		6.3		27.1		38		94				<0.2		1.6	
IM3	Cloudy	Moderate	11:28	8.6	Surface	1.0	0.5	116	25.8	25.8	7.8	7.8	27.9	27.9	90.2	90.2	6.3	6.3	14.8	22.6	20	21	85	90	819402	806019	<0.2	<0.2	1.8	1.8
						1.0	0.5	126	25.8		7.8		27.9		90.2		6.3		15.0		19		86				<0.2		1.7	
					Middle	4.3	0.5	87	25.7	25.7	7.8	7.8	28.2	28.2	90.1	90.1	6.3		22.1		21		88				<0.2		1.8	
						4.3	0.5	90	25.7		7.8		28.2		90.1		6.3		22.1		20		90				<0.2		1.8	
					Bottom	7.6	0.5	116	25.7	25.7	7.7	7.7	28.1	28.1	91.8	91.8	6.4	6.4	30.8		23		94				<0.2		1.7	
						7.6	0.5	125	25.7		7.7		28.1		91.8		6.4		30.8		21		95				<0.2		1.7	
IM4	Cloudy	Moderate	11:35	8.2	Surface	1.0	0.6	136	25.8	25.8	7.8	7.8	28.5	28.5	91.9	91.9	6.4	6.4	9.6	16.2	15	15	86	90	819555	805050	<0.2	<0.2	1.5	1.5
						1.0	0.6	143	25.8		7.8		28.5		91.9		6.4		9.7		13		85				<0.2		1.6	
					Middle	4.1	0.8	108	25.7	25.7	7.8	7.8	28.7	28.7	92.1	92.1	6.4		13.8		15		90				<0.2		1.6	
						4.1	0.9	109	25.7		7.8		28.6		92.1		6.4		13.9		17		89				<0.2		1.4	
					Bottom	7.2	0.6	72	25.6	25.6	7.7	7.7	28.9	28.9	96.4	96.4	6.7	6.7	25.0		15		94				<0.2		1.4	
						7.2	0.6	78	25.6		7.7		28.9		96.4		6.7		25.0		15		94				<0.2		1.5	
IM5	Cloudy	Moderate	11:44	7.2	Surface	1.0	0.7	132	25.7	25.7	7.8	7.8	27.9	27.9	90.2	90.3	6.3	6.3	14.0	19.0	16	19	84	90	820553	804919	<0.2	<0.2	1.5	1.7
						1.0	0.7	137	25.7		7.8		27.9		90.3		6.3		14.2		17		86				<0.2		1.5	
					Middle	3.6	0.7	100	25.7	25.7	7.8	7.8	28.2	28.2	90.3	90.3	6.3		20.4		17		91				<0.2		1.9	
						3.6	0.8	109	25.7		7.8		28.1		90.3		6.3		19.7		19		91				<0.2		1.8	
					Bottom	6.2	0.6	110	25.7	25.7	7.8	7.8	28.7	28.7	91.8	91.8	6.4	6.4	22.8		23		94				<0.2		1.8	
						6.2	0.6	112	25.7		7.8		28.7		91.8		6.4		22.8		21		94				<0.2		1.8	
IM6	Cloudy	Moderate	11:51	7.2	Surface	1.0	0.6	80	25.6	25.6	7.8	7.8	27.5	27.5	89.8	89.8	6.3	6.3	17.7	19.7	28	29	85	90	821047	805847	<0.2	<0.2	1.4	1.8
						1.0	0.6	85	25.6		7.8		27.5		89.8		6.3		17.7		27		86				<0.2		1.5	
					Middle	3.6	0.6	96	25.6	25.6	7.8	7.8	27.9	27.9	90.2	90.2	6.3		23.6		27		90				<0.2		2.0	
						3.6	0.7	97	25.6		7.8		27.9		90.2		6.3		23.6		28		89				<0.2		2.0	
					Bottom	6.2	0.5	146	25.5	25.5	7.8	7.8	28.9	28.9	94.0	94.0	6.5	6.5	17.9		30		94				<0.2		1.9	
						6.2	0.5	151	25.5		7.8		28.9		94.0		6.5		17.9		32		95				<0.2		1.9	
IM7	Cloudy	Moderate	11:58	8.2	Surface	1.0	0.4	78	25.8	25.8	7.8	7.8	27.9	27.9	92.4	92.4	6.4	6.5	9.7	12.4	16	20	86	90	821361	806820	<0.2	<0.2	1.8	1.8
						1.0	0.5	78	25.8		7.8		27.9		92.4		6.4		9.7		16		86				<0.2		2.0	
					Middle	4.1	0.5	83	25.9	25.9	7.8	7.8	28.0	28.0	93.2	93.3	6.5		11.9		15		90				<0.2		2.0	
						4.1	0.5	90	25.8		7.8		28.0		93.3		6.5		12.0		16		88				<0.2		1.9	
					Bottom	7.2	0.3	110	25.6	25.6	7.8	7.8	29.2	29.2	95.1	95.2	6.6	6.6	15.8		27		94				<0.2		1.5	
						7.2	0.3	110	25.6		7.8		29.2		95.3		6.6		15.4		29		95				<0.2		1.4	
IM8	Cloudy	Moderate	11:32	7.9	Surface	1.0	0.3	175	23.0	23.0	7.8	7.8	27.2	27.2	88.3	88.3	6.5	6.5	9.2	12.6	9	11	86	91	821699	807822	<0.2	<0.2	2.0	2.6
						1.0	0.4	190	23.0		7.8		27.2		88.2		6.5		9.2		10		86				<0.2		2.1	
					Middle	4.0	0.4	146	22.8	22.8	7.8	7.8	27.2	27.2	87.1	87.1	6.4		12.9		10		92				<0.2		2.9	
						4.0	0.4	149	22.8		7.8		27.2		87.1		6.4		12.9		11		92				<0.2		2.8	
					Bottom	6.9	0.3	162	22.8	22.8	7.8	7.8	27.4	27.4	87.6	87.6	6.4	6.4	15.7		12		94				<0.2		2.8	
						6.9	0.3	170	22.8		7.8		27.4		87.6		6.4		15.4		12		94				<0.2		2.8	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 19 November 16 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	11:21	7.5	Surface	1.0	0.4	264	22.9	22.9	7.8	7.8	27.7	27.7	89.6	89.6	6.6	6.6	10.6	15.5	18	20	86	91	822088	808802	<0.2	<0.2	2.7	2.6
						1.0	0.4	289	22.9		7.8		27.7		89.6		6.6		10.6		17		86				<0.2		2.6	
					Middle	3.8	0.3	225	22.8	22.8	7.8	7.8	27.7	27.7	89.2	89.2	6.5		16.4		22		93				<0.2		2.5	
						3.8	0.3	225	22.8		7.8		27.7		89.2		6.5		16.4		23		92				<0.2		2.6	
					Bottom	6.5	0.4	214	22.8	22.8	7.8	7.8	27.7	27.7	91.5	91.6	6.7	6.7	19.5		21		94				<0.2		2.8	
						6.5	0.4	235	22.8		7.8		27.7		91.6		6.7		19.4		21		94				<0.2		2.5	
IM10	Cloudy	Moderate	11:14	7.0	Surface	1.0	0.6	301	23.0	23.0	7.9	7.9	28.3	28.3	92.2	92.2	6.7	6.7	8.0	14.1	10	13	86	91	822239	809838	<0.2	<0.2	2.3	2.2
						1.0	0.6	313	23.0		7.9		28.3		92.2		6.7		7.9		9		86				<0.2		2.1	
					Middle	3.5	0.5	297	22.9	22.9	7.9	7.9	28.7	28.7	90.6	90.6	6.6		10.8		10		92				<0.2		2.1	
						3.5	0.5	301	22.9		7.9		28.7		90.6		6.6		10.8		11		92				<0.2		2.2	
					Bottom	6.0	0.4	283	22.8	22.8	7.9	7.9	29.0	29.0	90.5	90.5	6.6	6.6	23.4		17		95				<0.2		2.1	
						6.0	0.4	289	22.8		7.9		29.0		90.5		6.6		23.4		19		94				<0.2		2.2	
IM11	Cloudy	Moderate	11:05	7.4	Surface	1.0	0.5	288	23.0	23.0	7.9	7.9	28.5	28.5	91.9	91.9	6.7	6.7	8.4	16.9	15	17	87	91	821482	810533	<0.2	<0.2	1.7	1.8
						1.0	0.5	300	23.0		7.9		28.5		91.9		6.7		8.5		16		86				<0.2		1.8	
					Middle	3.7	0.5	289	22.9	22.9	7.9	7.9	29.0	29.0	91.0	91.0	6.6		15.1		17		93				<0.2		1.8	
						3.7	0.5	299	22.9		7.9		29.0		91.0		6.6		14.7		18		93				<0.2		1.8	
					Bottom	6.4	0.4	286	22.8	22.8	7.9	7.9	29.3	29.3	91.2	91.2	6.6	6.6	27.6		17		95				<0.2		1.8	
						6.4	0.4	313	22.8		7.9		29.3		91.2		6.6		27.0		17		94				<0.2		1.8	
IM12	Cloudy	Moderate	10:56	8.3	Surface	1.0	0.6	285	22.9	22.9	7.8	7.8	28.6	28.6	93.1	93.1	6.8	6.8	6.4	12.1	12	12	88	92	821145	811520	<0.2	<0.2	2.0	1.9
						1.0	0.6	301	22.9		7.8		28.6		93.1		6.8		6.5		10		88				<0.2		2.0	
					Middle	4.2	0.7	280	22.8	22.8	7.9	7.9	29.5	29.5	92.9	92.9	6.8		9.0		11		94				<0.2		1.8	
						4.2	0.8	305	22.8		7.9		29.5		92.9		6.8		9.2		11		93				<0.2		1.8	
					Bottom	7.3	0.6	273	22.7	22.7	7.9	7.9	29.8	29.8	94.3	94.3	6.8	6.8	20.8		14		95				<0.2		2.0	
						7.3	0.6	278	22.7		7.9		29.8		94.3		6.8		20.7		12		94				<0.2		2.0	
SR2	Cloudy	Moderate	10:34	4.3	Surface	1.0	0.4	291	22.7	22.7	7.9	7.9	29.5	29.5	93.0	93.0	6.8	6.8	19.6	19.6	27	28	89	92	821472	814157	<0.2	<0.2	1.5	1.5
						1.0	0.4	309	22.7		7.9		29.5		93.0		6.8		19.6		26		88				<0.2		1.6	
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.2	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.4	289	22.7	22.7	7.8	7.8	29.5	29.5	94.5	94.5	6.9	6.9	19.5		30		95				<0.2		1.5	
						3.3	0.4	303	22.7		7.8		29.5		94.5		6.9		19.5		28		95				<0.2		1.5	
SR3	Cloudy	Moderate	11:37	8.3	Surface	1.0	0.3	203	23.0	23.0	7.8	7.8	26.8	26.8	88.1	88.1	6.5	6.5	6.4	10.0	6	8	-	-	822152	807588	-	-	-	-
						1.0	0.3	215	23.0		7.8		26.8		88.1		6.5		6.4		6		-				-		-	
					Middle	4.2	0.3	182	22.9	22.9	7.8	7.8	27.2	27.2	88.5	88.5	6.5		8.1		8		-				-		-	
						4.2	0.3	195	22.9		7.8		27.2		88.5		6.5		8.3		7		-				-		-	
					Bottom	7.3	0.4	198	22.8	22.8	7.8	7.8	27.5	27.5	89.9	89.9	6.6	6.6	15.4		11		-				-		-	
						7.3	0.4	206	22.8		7.8		27.5		89.9		6.6		15.4		10		-				-		-	
SR4A	Cloudy	Moderate	10:32	6.6	Surface	1.0	0.4	221	25.5	25.5	7.8	7.8	29.8	29.8	92.4	92.5	6.4	6.4	22.5	22.6	34	36	-	-	817192	807801	-	-	-	-
						1.0	0.4	226	25.5		7.8		29.8		92.5		6.4		22.7		33		-				-		-	
					Middle	3.3	0.3	215	25.5	25.5	7.8	7.8	29.7	29.7	92.6	92.6	6.4		23.0		35		-				-		-	
						3.3	0.4	227	25.5		7.8		29.7		92.6		6.4		22.7		37		-				-		-	
					Bottom	5.6	0.3	227	25.5	25.5	7.8	7.8	29.6	29.6	93.1	93.1	6.5	6.5	22.2		38		-				-		-	
						5.6	0.3	234	25.5		7.8		29.6		93.1		6.5		22.2		40		-				-		-	
SR5A	Cloudy	Moderate	10:15	4.0	Surface	1.0	0.2	299	25.5	25.5	7.8	7.8	30.0	30.0	93.5	93.6	6.5	6.5	13.5	13.8	20	21	-	-	816610	810685	-	-	-	-
						1.0	0.2	321	25.5		7.8		29.9		93.6		6.5		13.4		20		-				-		-	
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.0	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.2	299	25.5	25.5	7.7	7.7	29.9	29.9	94.3	94.3	6.5	6.5	14.2		21		-				-		-	
						3.0	0.2	313	25.5		7.7		29.9		94.3		6.5		14.2		23		-				-		-	
SR6	Cloudy	Moderate	09:50	4.1	Surface	1.0	0.2	180	25.6	25.6	7.7	7.7	29.7	29.7	90.6	90.7	6.3	6.3	19.8	21.4	43	**43**	-	-	817905	814653	-	-	-	-
						1.0	0.2	191	25.6		7.7		29.7		90.7		6.3		19.8		41		-				-		-	
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.1	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.2	215	25.6	25.6	7.7	7.7	29.6	29.6	91.7	91.7	6.3	6.3	22.9		44		-				-		-	
						3.1	0.2	218	25.6		7.7		29.6		91.7		6.3		22.9		43		-				-		-	
SR7	Cloudy	Moderate	09:41	20.2	Surface	1.0	0.2	172	22.8	22.8	7.8	7.8	29.9	29.9	90.5	90.5	6.6	6.6	10.7	12.3	12	14	-	-	823617	823759	-	-	-	-
						1.0	0.2	179	22.8		7.8		29.9		90.5		6.6		10.6		12		-				-		-	
					Middle	10.1	0.2	220	22.8	22.8	7.8	7.8	30.0	30.0	90.1	90.1	6.5		11.4		15		-				-		-	
						10.1	0.2	221	22.8		7.8		30.0		90.1		6.5		11.3		14		-				-		-	
					Bottom	19.2	0.3	217	22.8	22.8	7.8	7.8	30.3	30.3	91.3	91.4	6.6	6.6	14.9		14		-				-		-	
						19.2	0.3	238	22.8		7.8		30.3		91.4		6.6		14.8		14		-				-		-	
SR8	Cloudy	Moderate	10:50	4.6	Surface	1.0	0.3	275	23.6	23.6	7.8	7.8	28.1	28.1	93.9	93.9	6.8	6.8	12.8	12.1	12	12	-	-	820411	811596	-	-	-	-
						1.0	0.3	275	23.6		7.8		28.1		93.9		6.8		12.8		10		-				-		-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.3	273	22.9	22.9	7.8	7.8	28.3	28.3	93.0	93.0	6.8	6.8	11.3		14		-				-		-	
						3.6	0.3	293	22.9		7.8		28.3		93.0		6.8		11.3		12		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 19 November 16 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	16:17	8.1	Surface	1.0	0.5	88	25.6	25.6	7.9	7.9	29.3	29.3	95.5	95.5	6.6	6.6	9.1	11.3	12	23	84	89	815612	804251	<0.2	<0.2	1.2	1.0
						1.0	0.5	95	25.6		7.9		29.3		95.5		6.6		9.1		12		85				<0.2		1.2	
					Middle	4.1	0.5	93	25.6	25.6	7.9	7.9	29.9	29.9	95.8	95.8	6.6		11.4		16		90				<0.2		1.1	
						4.1	0.5	94	25.6		7.9		29.8		95.8		6.6		11.3		16		89				<0.2		1.0	
					Bottom	7.1	0.4	70	25.6	25.6	7.9	7.9	30.5	30.5	96.8	96.8	6.7	6.7	13.4		40		92				<0.2		0.8	
						7.1	0.5	76	25.6		7.9		30.5		96.8		6.7		13.4		41		94				<0.2		0.8	
C2	Cloudy	Moderate	14:57	13.3	Surface	1.0	0.3	151	23.2	23.2	7.8	7.8	27.7	27.7	89.6	89.6	6.5	6.5	6.8	15.2	8	9	84	90	825696	806928	<0.2	<0.2	3.0	2.9
						1.0	0.4	164	23.2		7.8		27.7		89.6		6.5		6.8		7		83				<0.2		2.9	
					Middle	6.7	0.3	106	23.1	23.1	7.8	7.8	28.1	28.1	88.7	88.7	6.5		12.6		9		92				<0.2		3.0	
						6.7	0.4	111	23.1		7.8		28.1		88.7		6.5		12.6		8		92				<0.2		2.9	
					Bottom	12.3	0.3	179	23.0	23.0	7.8	7.8	28.5	28.5	88.4	88.4	6.4	6.4	26.6		12		93				<0.2		2.7	
						12.3	0.3	187	23.0		7.8		28.5		88.4		6.4		25.7		12		94				<0.2		2.7	
C3	Cloudy	Moderate	16:59	13.1	Surface	1.0	0.2	172	23.1	23.1	7.9	7.9	30.6	30.6	91.4	91.4	6.6	6.5	4.7	6.9	6	9	90	93	822125	817796	<0.2	<0.2	1.2	1.1
						1.0	0.2	187	23.1		7.9		30.6		91.3		6.6		4.7		8		89				<0.2		1.1	
					Middle	6.6	0.2	152	22.8	22.8	7.9	7.9	30.8	30.8	87.7	87.7	6.3		7.6		10		93				<0.2		1.2	
						6.6	0.2	158	22.8		7.9		30.8		87.7		6.3		7.6		8		93				<0.2		1.0	
					Bottom	12.1	0.2	171	22.8	22.8	7.9	7.9	30.9	30.9	88.2	88.2	6.4	6.4	8.4		10		95				<0.2		1.1	
						12.1	0.2	183	22.8		7.9		30.9		88.2		6.4		8.4		12		95				<0.2		1.1	
IM1	Cloudy	Moderate	15:53	7.4	Surface	1.0	0.5	165	25.9	25.9	7.9	7.9	29.7	29.7	96.6	96.6	6.6	6.6	10.2	16.9	16	20	85	90	818347	806475	<0.2	<0.2	1.2	1.1
						1.0	0.5	166	25.9		7.9		29.7		96.6		6.6		10.2		16		86				<0.2		1.1	
					Middle	3.7	0.5	139	25.7	25.7	7.9	7.9	29.6	29.6	96.3	96.3	6.6		15.9		16		90				<0.2		1.1	
						3.7	0.5	140	25.7		7.9		29.6		96.2		6.6		16.3		14		89				<0.2		1.1	
					Bottom	6.4	0.5	135	25.5	25.5	7.8	7.8	29.5	29.5	98.2	98.2	6.8	6.8	24.4		29		93				<0.2		1.1	
						6.4	0.5	143	25.5		7.8		29.5		98.2		6.8		24.4		29		94				<0.2		1.1	
IM2	Cloudy	Moderate	15:46	8.8	Surface	1.0	0.4	143	25.7	25.7	7.9	7.9	29.7	29.7	95.2	95.2	6.6	6.6	14.9	19.2	14	26	85	90	818862	806208	<0.2	<0.2	1.1	1.1
						1.0	0.4	143	25.7		7.9		29.7		95.2		6.6		14.9		12		86				<0.2		1.0	
					Middle	4.4	0.4	130	25.5	25.5	7.9	7.9	29.6	29.6	95.3	95.3	6.6		21.6		23		90				<0.2		1.1	
						4.4	0.4	140	25.5		7.9		29.6		95.3		6.6		21.6		24		91				<0.2		1.0	
					Bottom	7.8	0.3	119	25.5	25.5	7.8	7.8	29.4	29.4	97.5	97.6	6.8	6.8	21.2		38		94				<0.2		1.1	
						7.8	0.3	120	25.5		7.8		29.4		97.6		6.8		20.9		42		94				<0.2		1.2	
IM3	Cloudy	Moderate	15:32	8.6	Surface	1.0	0.5	114	25.6	25.6	7.9	7.9	29.9	29.9	93.7	93.7	6.5	6.5	18.1	22.3	20	26	86	90	819419	806028	<0.2	<0.2	1.3	1.2
						1.0	0.6	115	25.6		7.9		29.9		93.7		6.5		18.2		20		85				<0.2		1.3	
					Middle	4.3	0.5	132	25.5	25.6	7.9	7.9	29.9	29.9	93.1	93.1	6.4		23.2		22		90				<0.2		1.2	
						4.3	0.5	133	25.6		7.9		29.9		93.1		6.4		23.3		24		89				<0.2		1.2	
					Bottom	7.6	0.5	113	25.5	25.5	7.9	7.9	29.8	29.8	93.0	93.0	6.4	6.4	25.6		32		94				<0.2		1.2	
						7.6	0.5	123	25.5		7.9		29.8		93.0		6.4		25.6		35		93				<0.2		1.1	
IM4	Cloudy	Moderate	15:22	8.0	Surface	1.0	0.4	160	25.6	25.6	7.9	7.9	29.8	29.9	93.8	93.8	6.5	6.5	18.7	22.8	20	23	85	90	819586	805034	<0.2	<0.2	1.2	1.2
						1.0	0.4	161	25.6		7.9		29.9		93.8		6.5		18.9		22		86				<0.2		1.3	
					Middle	4.0	0.4	169	25.6	25.6	7.9	7.9	29.8	29.8	93.2	93.2	6.4		24.8		22		90				<0.2		1.2	
						4.0	0.4	180	25.6		7.9		29.8		93.2		6.4		24.8		20		91				<0.2		1.1	
					Bottom	7.0	0.4	156	25.5	25.5	7.9	7.9	29.8	29.8	93.6	93.6	6.5	6.5	24.9		27		94				<0.2		1.2	
						7.0	0.4	168	25.5		7.9		29.8		93.6		6.5		24.9		26		94				<0.2		1.2	
IM5	Cloudy	Moderate	15:16	7.1	Surface	1.0	0.5	127	25.6	25.6	7.9	7.9	29.8	29.8	94.0	94.0	6.5	6.5	18.6	22.5	21	23	86	90	820567	804915	<0.2	<0.2	1.3	1.2
						1.0	0.5	132	25.6		7.9		29.8		94.0		6.5		18.5		21		86				<0.2		1.2	
					Middle	3.6	0.5	107	25.6	25.6	7.9	7.9	29.8	29.8	93.6	93.6	6.5		23.8		20		91				<0.2		1.2	
						3.6	0.5	114	25.6		7.9		29.8		93.6		6.5		23.7		22		90				<0.2		1.2	
					Bottom	6.1	0.6	124	25.6	25.6	7.9	7.9	29.8	29.8	93.5	93.5	6.5	6.5	25.1		28		93				<0.2		1.3	
						6.1	0.6	128	25.6		7.9		29.8		93.5		6.5		25.1		26		94				<0.2		1.0	
IM6	Cloudy	Moderate	15:10	6.9	Surface	1.0	0.8	117	25.6	25.6	7.9	7.9	29.8	29.8	94.4	94.4	6.5	6.5	18.0	19.3	38	**39**	85	90	821073	805844	<0.2	<0.2	1.1	1.3
						1.0	0.8	127	25.6		7.9		29.8		94.4		6.5		18.0		37		87				<0.2		1.2	
					Middle	3.5	0.5	123	25.6	25.6	7.9	7.9	29.7	29.7	94.3	94.4	6.5		20.2		37		89				<0.2		1.2	
						3.5	0.6	123	25.6		7.9		29.7		94.4		6.5		20.2		38		90				<0.2		1.2	
					Bottom	5.9	0.5	111	25.6	25.6	7.9	7.9	29.7	29.7	94.9	94.9	6.6	6.6	19.6		40		94				<0.2		1.4	
						5.9	0.5	116	25.6		7.9		29.7		94.9		6.6		19.6		44		94				<0.2		1.5	
IM7	Cloudy	Moderate	15:04	8.5	Surface	1.0	0.5	110	25.7	25.7	7.8	7.8	27.8	27.8	91.3	91.3	6.4	6.4	11.7	14.6	15	19	86	90	821362	806839	<0.2	<0.2	2.1	2.1
						1.0	0.5	119	25.7		7.8		27.8		91.3		6.4		11.8		15		86				<0.2		2.2	
					Middle	4.3	0.4	101	25.7	25.7	7.8	7.8	28.0	28.0	91.9	91.9	6.4		15.0		15		90				<0.2		2.1	
						4.3	0.4	110	25.7		7.8		28.0		91.9		6.4		15.2		16		90				<0.2		2.2	
					Bottom	7.5	0.4	93	25.6	25.6	7.7	7.7	29.2	29.2	96.0	96.1	6.7	6.7	17.1		25		94				<0.2		2.1	
						7.5	0.4	93	25.6		7.7		29.2		96.2		6.7		16.8		26		94				<0.2		2.0	
IM8	Cloudy	Moderate	15:39	8.2	Surface	1.0	0.5	66	22.9	22.9	7.9	7.9	29.6	29.6	91.3	91.3	6.6	6.6	15.4	21.4	18	20	84	90	821699	807820	<0.2	<0.2	1.2	1.3
						1.0	0.5	67	22.9		7.9		29.6		91.2		6.6		15.5		20		84				<0.2		1.3	
					Middle	4.1	0.4	75	22.8	22.8	7.9	7.9	29.6	29.6	90.6	90.6	6.6		18.8		20		92				<0.2		1.4	
						4.1	0.4	75	22.8		7.9		29.6		90.6		6.6		18.8		20		92				<0.2		1.2	
					Bottom	7.2	0.4	105	22.7	22.7	7.9	7.9	29.7	29.7	91.4	91.4	6.6	6.6	29.7		20		94				<0.2		1.2	
						7.2	0.4	111	22.7		7.9		29.7		91.4		6.6		29.9		19		94				<0.2		1.3	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 19 November 16 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Rough	15:47	7.4	Surface	1.0	0.4	133	23.0	23.0	7.9	7.9	28.9	28.9	93.1	93.1	6.8	6.8	9.3	15.8	8	10	85	91	822113	808802	<0.2	<0.2	1.6	1.2
						1.0	0.4	144	23.0		7.9		28.9		93.1		6.8		9.4		9		85				<0.2		1.6	
					Middle	3.7	0.3	113	22.9	22.9	7.9	7.9	29.3	29.3	91.5	91.5	6.7		13.1		11		92				<0.2		0.6	
						3.7	0.3	117	22.9		7.9		29.3		91.5		6.7		13.2		9		93				<0.2		0.6	
					Bottom	6.4	0.4	122	22.8	22.8	7.9	7.9	29.4	29.4	91.0	91.0	6.6	6.6	24.9		10		94				<0.2		1.5	
						6.4	0.4	122	22.8		7.9		29.4		91.0		6.6		24.9		11		94				<0.2		1.4	
IM10	Cloudy	Rough	15:56	7.0	Surface	1.0	0.3	127	23.3	23.3	7.9	7.9	28.3	28.3	94.6	94.6	6.9	6.9	7.3	8.2	10	10	85	91	822230	809824	<0.2	<0.2	1.8	1.8
						1.0	0.3	132	23.3		7.9		28.3		94.6		6.9		7.3		8		86				<0.2		2.0	
					Middle	3.5	0.3	198	23.2	23.2	7.9	7.9	29.3	29.3	95.2	95.2	6.9		8.3		10		92				<0.2		2.0	
						3.5	0.3	208	23.2		7.9		29.3		95.2		6.9		8.2		9		92				<0.2		2.0	
					Bottom	6.0	0.3	176	23.0	23.0	7.9	7.9	29.8	29.8	95.2	95.2	6.9	6.9	9.0		9		95				<0.2		1.6	
						6.0	0.3	190	23.0		7.9		29.8		95.2		6.9		8.8		11		94				<0.2		1.6	
IM11	Cloudy	Rough	16:06	8.3	Surface	1.0	0.3	207	23.1	23.1	7.9	7.9	29.7	29.7	93.4	93.4	6.8	6.8	8.4	10.0	9	9	87	91	821490	810549	<0.2	<0.2	1.2	1.3
						1.0	0.3	224	23.1		7.9		29.7		93.4		6.8		8.4		8		87				<0.2		1.1	
					Middle	4.2	0.3	191	22.9	22.9	7.9	7.9	29.7	29.7	93.1	93.1	6.7		9.3		9		93				<0.2		1.2	
						4.2	0.3	206	22.9		7.9		29.7		93.1		6.7		9.2		10		92				<0.2		1.3	
					Bottom	7.3	0.3	168	22.8	22.8	7.9	7.9	29.8	29.8	94.0	94.1	6.8	6.8	12.4		10		95				<0.2		1.4	
						7.3	0.3	168	22.8		7.9		29.8		94.1		6.8		12.5		9		94				<0.2		1.4	
IM12	Cloudy	Rough	16:15	9.1	Surface	1.0	0.3	207	22.8	22.8	8.0	8.0	29.9	29.9	93.8	93.8	6.8	6.8	10.0	11.5	15	16	88	92	821156	811536	<0.2	<0.2	1.2	1.2
						1.0	0.3	226	22.8		8.0		29.9		93.8		6.8		9.8		14		88				<0.2		1.2	
					Middle	4.6	0.2	178	22.8	22.8	8.0	8.0	29.9	29.9	93.7	93.7	6.8		11.2		16		93				<0.2		1.1	
						4.6	0.2	187	22.8		8.0		29.9		93.7		6.8		11.2		18		92				<0.2		1.1	
					Bottom	8.1	0.3	166	22.8	22.8	7.9	7.9	29.9	29.9	94.1	94.1	6.8	6.8	13.4		16		95				<0.2		1.2	
						8.1	0.3	171	22.8		7.9		29.9		94.1		6.8		13.5		16		94				<0.2		1.2	
SR2	Cloudy	Moderate	16:37	5.2	Surface	1.0	0.2	238	22.8	22.8	7.9	7.9	29.7	29.7	94.8	94.8	6.9	6.9	7.0	6.9	9	10	89	92	821445	814180	<0.2	<0.2	1.2	1.2
						1.0	0.2	257	22.8		7.9		29.7		94.8		6.9		7.1		10		89				<0.2		1.0	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.3	245	22.8	22.8	7.9	7.9	29.7	29.7	96.4	96.5	7.0	7.0	6.7		10		95				<0.2		1.2	
						4.2	0.3	253	22.8		7.9		29.7		96.5		7.0		6.8		10		95				<0.2		1.2	
SR3	Cloudy	Moderate	15:33	8.8	Surface	1.0	0.5	81	23.0	23.0	7.9	7.9	29.3	29.3	92.9	92.9	6.7	6.7	14.4	18.6	16	18	-	-	822164	807586	-	-	-	-
						1.0	0.5	88	23.0		7.9		29.3		92.9		6.7		14.4		16		-				-		-	
					Middle	4.4	0.5	62	22.9	22.9	7.9	7.9	29.3	29.3	91.5	91.5	6.6		17.1		18		-				-		-	
						4.4	0.5	62	22.9		7.9		29.3		91.5		6.6		17.1		19		-				-		-	
					Bottom	7.8	0.4	85	22.7	22.8	7.9	7.9	29.6	29.6	90.6	90.7	6.6	6.6	24.2		18		-				-		-	
						7.8	0.4	88	22.8		7.9		29.6		90.7		6.6		24.2		18		-				-		-	
SR4A	Cloudy	Moderate	16:38	7.6	Surface	1.0	0.3	119	25.8	25.8	7.9	7.9	29.5	29.5	95.0	95.0	6.6	6.6	15.7	17.1	25	26	-	-	817177	807818	-	-	-	-
						1.0	0.3	120	25.8		7.9		29.5		95.0		6.6		15.7		24		-				-		-	
					Middle	3.8	0.3	121	25.8	25.8	7.9	7.9	29.5	29.5	95.4	95.4	6.6		17.0		24		-				-		-	
						3.8	0.3	132	25.8		7.9		29.5		95.4		6.6		17.0		23		-				-		-	
					Bottom	6.6	0.3	119	25.7	25.7	7.8	7.8	29.3	29.3	96.6	96.7	6.7	6.7	18.6		27		-				-		-	
						6.6	0.3	122	25.7		7.8		29.3		96.7		6.7		18.3		30		-				-		-	
SR5A	Cloudy	Moderate	16:56	3.8	Surface	1.0	0.1	238	25.6	25.6	7.8	7.8	30.0	30.0	93.9	93.9	6.5	6.5	9.5	9.6	15	15	-	-	816604	810697	-	-	-	-
						1.0	0.1	243	25.6		7.8		30.0		93.9		6.5		9.5		15		-				-		-	
					Middle	1.9	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						1.9	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.1	234	25.5	25.5	7.8	7.8	29.9	29.9	95.8	95.8	6.6	6.6	9.6		16		-				-		-	
						2.8	0.1	245	25.5		7.8		29.9		95.8		6.6		9.6		14		-				-		-	
SR6	Cloudy	Moderate	17:18	4.0	Surface	1.0	0.2	125	25.7	25.7	7.8	7.8	29.5	29.5	93.6	93.6	6.5	6.5	10.5	11.7	14	16	-	-	817908	814677	-	-	-	-
						1.0	0.2	126	25.7		7.8		29.5		93.6		6.5		10.6		14		-				-		-	
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.0	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.2	104	25.6	25.6	7.8	7.8	29.4	29.4	94.7	94.8	6.6	6.6	12.7		17		-				-		-	
						3.0	0.2	111	25.6		7.8		29.4		94.8		6.6		12.8		18		-				-		-	
SR7	Cloudy	Moderate	17:31	18.1	Surface	1.0	0.2	135	22.8	22.8	7.9	7.9	30.9	30.9	88.3	88.3	6.4	6.4	6.8	6.7	9	10	-	-	823630	823750	-	-	-	-
						1.0	0.2	143	22.8		7.9		30.9		88.3		6.4		6.8		10		-				-		-	
					Middle	9.1	0.2	151	22.8	22.8	7.9	7.9	30.9	30.9	88.1	88.2	6.4		6.8		10		-				-		-	
						9.1	0.2	154	22.8		7.9		30.9		88.2		6.4		6.9		10		-				-		-	
					Bottom	17.1	0.9	275	22.8	22.8	7.9	7.9	31.0	31.0	89.2	89.3	6.4	6.4	6.4		10		-				-		-	
						17.1	1.0	300	22.8		7.9		31.0		89.3		6.4		6.7		8		-				-		-	
SR8	Cloudy	Moderate	16:22	5.3	Surface	1.0	0.3	169	23.0	23.0	7.9	7.9	29.4	29.4	94.7	94.8	6.9	6.9	8.8	8.5	12	12	-	-	820404	811573	-	-	-	-
						1.0	0.3	174	23.0		7.9		29.4		94.8		6.9		8.7		12		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.3	166	22.9	22.9	7.9	7.9	29.7	29.7	96.0	96.0	7.0	7.0	8.2		11		-				-		-	
						4.3	0.3	173	22.9		7.9		29.7		96.0		7.0		8.2		12		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 22 November 16 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	14:17	7.7	Surface	1.0	0.3	120	25.6	25.7	7.8	7.8	27.9	27.9	95.5	95.5	6.7	6.7	4.2	6.0	7	7	85	90	815609	804230	<0.2	<0.2	2.2	2.1
						1.0	0.3	122	25.7		7.8		27.9		95.5		6.7		4.1		7		86				<0.2		2.0	
					Middle	3.9	0.4	67	25.7	25.7	7.8	7.8	28.1	28.1	95.9	95.9	6.7		5.1		8		91				<0.2		2.0	
						3.9	0.4	72	25.6		7.8		28.1		95.9		6.7		5.2		7		90				<0.2		2.0	
					Bottom	6.7	0.4	80	25.6	25.6	7.8	7.8	29.9	29.9	97.3	97.4	6.7	6.7	8.7		7		94				<0.2		2.1	
						6.7	0.4	81	25.6		7.8		29.9		97.4		6.7		8.7		8		94				<0.2		2.2	
C2	Rainy	Moderate	13:11	10.8	Surface	1.0	0.4	204	22.9	22.9	7.7	7.7	24.1	24.2	86.1	86.1	6.4	6.4	5.3	6.8	5	7	84	90	825684	806929	<0.2	<0.2	4.7	4.8
						1.0	0.4	217	22.9		7.7		24.2		86.1		6.4		5.3		7		84				<0.2		4.6	
					Middle	5.4	0.3	237	23.1	23.1	7.7	7.8	26.2	26.3	86.9	86.9	6.4		6.1		5		92				<0.2		4.7	
						5.4	0.3	259	23.1		7.8		26.3		86.9		6.4		6.2		7		92				<0.2		4.5	
					Bottom	9.8	0.4	258	23.1	23.1	7.8	7.8	28.1	28.1	88.8	88.9	6.5	6.5	8.9		8		94				<0.2		5.0	
						9.8	0.4	279	23.1		7.8		28.1		88.9		6.5		8.8		8		94				<0.2		5.0	
C3	Rainy	Moderate	14:58	12.9	Surface	1.0	0.5	272	22.9	22.9	7.9	7.9	29.3	29.3	93.3	93.3	6.8	6.8	3.5	5.7	3	4	88	92	822110	817819	<0.2	<0.2	1.3	1.4
						1.0	0.5	289	22.9		7.9		29.3		93.2		6.8		3.6		3		88				<0.2		1.4	
					Middle	6.5	0.6	274	22.8	22.8	7.9	7.9	29.8	29.8	92.5	92.5	6.7		6.7		5		93				<0.2		1.6	
						6.5	0.6	274	22.8		7.9		29.8		92.5		6.7		6.7		5		94				<0.2		1.4	
					Bottom	11.9	0.7	271	22.8	22.8	7.9	7.9	30.0	30.0	96.4	96.6	7.0	7.0	7.0		5		96				<0.2		1.4	
						11.9	0.7	289	22.8		7.9		30.0		96.8		7.0		6.9		5		95				<0.2		1.5	
IM1	Cloudy	Moderate	13:55	7.0	Surface	1.0	0.2	197	25.6	25.6	7.8	7.8	27.6	27.7	94.2	94.2	6.6	6.6	4.7	5.5	7	15	86	90	818341	806472	<0.2	<0.2	2.4	1.6
						1.0	0.3	200	25.6		7.8		27.7		94.2		6.6		4.8		6		86				<0.2		2.4	
					Middle	3.5	0.3	120	25.7	25.7	7.8	7.8	28.2	28.2	94.9	94.9	6.6		5.6		6		91				<0.2		1.5	
						3.5	0.4	128	25.7		7.8		28.2		94.9		6.6		5.7		6		90				<0.2		1.5	
					Bottom	6.0	0.4	169	25.6	25.7	7.8	7.8	29.0	29.0	96.4	96.5	6.7	6.7	6.1		30		94				<0.2		1.0	
						6.0	0.5	180	25.7		7.8		28.9		96.5		6.7		6.0		32		94				<0.2		1.0	
IM2	Cloudy	Moderate	13:50	7.4	Surface	1.0	0.6	229	25.7	25.7	7.7	7.7	25.8	25.8	92.2	92.2	6.5	6.6	4.4	5.7	6	8	85	90	818864	806175	<0.2	<0.2	3.5	2.9
						1.0	0.6	239	25.7		7.7		25.8		92.2		6.5		4.5		6		85				<0.2		3.7	
					Middle	3.7	0.4	250	25.7	25.7	7.8	7.8	27.3	27.3	94.3	94.4	6.6		6.2		6		90				<0.2		3.2	
						3.7	0.5	268	25.7		7.8		27.3		94.4		6.6		6.2		6		90				<0.2		3.3	
					Bottom	6.4	0.4	232	25.7	25.7	7.8	7.8	29.0	29.0	96.7	96.7	6.7	6.7	6.4		13		94				<0.2		1.8	
						6.4	0.4	254	25.7		7.8		29.0		96.7		6.7		6.4		12		95				<0.2		1.8	
IM3	Rain	Moderate	13:42	7.8	Surface	1.0	0.6	243	25.7	25.7	7.7	7.7	25.9	25.9	90.0	90.0	6.3	6.4	4.8	5.7	6	9	86	89	819426	806024	<0.2	<0.2	3.7	3.1
						1.0	0.7	262	25.7		7.7		25.9		90.0		6.3		4.9		4		85				<0.2		3.9	
					Middle	3.9	0.6	243	25.7	25.7	7.7	7.7	26.0	26.0	91.5	91.6	6.4		5.9		10		90				<0.2		2.4	
						3.9	0.6	263	25.7		7.7		26.0		91.6		6.5		6.0		9		88				<0.2		2.3	
					Bottom	6.8	0.4	250	25.7	25.7	7.6	7.6	26.0	26.0	95.0	95.0	6.7	6.7	6.3		14		93				<0.2		3.3	
						6.8	0.4	252	25.7		7.6		26.0		95.0		6.7		6.3		12		94				<0.2		3.2	
IM4	Rain	Moderate	13:34	7.3	Surface	1.0	0.6	243	25.7	25.7	7.7	7.7	25.7	25.7	90.7	90.7	6.4	6.5	4.0	5.2	5	7	84	89	819565	805058	<0.2	<0.2	3.6	2.7
						1.0	0.6	250	25.7		7.7		25.7		90.7		6.4		4.0		6		85				<0.2		3.5	
					Middle	3.7	0.4	239	25.7	25.7	7.7	7.7	26.2	26.2	92.8	92.9	6.5		5.6		7		90				<0.2		2.3	
						3.7	0.5	247	25.7		7.7		26.2		92.9		6.5		5.6		6		90				<0.2		2.3	
					Bottom	6.3	0.3	216	25.7	25.7	7.7	7.7	27.5	27.5	95.6	95.6	6.7	6.7	6.1		10		93				<0.2		2.2	
						6.3	0.3	218	25.7		7.7		27.5		95.6		6.7		6.1		8		94				<0.2		2.2	
IM5	Rain	Moderate	13:27	6.2	Surface	1.0	0.3	229	25.7	25.7	7.7	7.7	26.2	26.2	93.0	93.0	6.6	6.6	4.3	6.5	5	10	86	90	820557	804910	<0.2	<0.2	3.2	2.6
						1.0	0.4	242	25.7		7.7		26.2		93.0		6.6		4.4		4		86				<0.2		3.2	
					Middle	3.1	0.4	260	25.7	25.7	7.8	7.8	27.8	27.8	94.0	94.0	6.6		6.6		8		91				<0.2		3.2	
						3.1	0.4	273	25.7		7.8		27.8		94.0		6.6		6.8		8		90				<0.2		3.1	
					Bottom	5.2	0.4	233	25.7	25.7	7.8	7.8	29.1	29.1	94.4	94.4	6.5	6.5	8.5		16		94				<0.2		1.4	
						5.2	0.4	236	25.7		7.8		29.1		94.4		6.5		8.5		16		94				<0.2		1.4	
IM6	Cloudy	Moderate	13:20	6.0	Surface	1.0	0.5	241	25.7	25.7	7.7	7.7	26.7	26.7	92.0	92.0	6.5	6.5	5.5	7.0	7	12	84	89	821044	805809	<0.2	<0.2	2.9	2.4
						1.0	0.5	260	25.6		7.7		26.7		92.0		6.5		5.6		9		85				<0.2		3.0	
					Middle	3.0	0.5	253	25.7	25.7	7.8	7.8	27.7	27.7	93.4	93.4	6.5		7.5		9		90				<0.2		2.6	
						3.0	0.5	267	25.7		7.8		27.7		93.4		6.5		7.5		7		90				<0.2		2.7	
					Bottom	5.0	0.4	235	25.7	25.7	7.8	7.8	28.5	28.5	96.6	96.6	6.7	6.7	8.0		19		93				<0.2		1.7	
						5.0	0.4	252	25.7		7.8		28.5		96.6		6.7		8.0		18		94				<0.2		1.6	
IM7	Cloudy	Moderate	13:13	7.5	Surface	1.0	0.6	214	25.7	25.7	7.6	7.6	23.9	23.9	88.4	88.4	6.3	6.3	4.2	8.8	6	12	85	89	821341	806822	<0.2	<0.2	3.8	3.3
						1.0	0.7	231	25.7		7.6		23.8		88.4		6.3		4.2		6		85				<0.2		3.7	
					Middle	3.8	0.5	239	25.8	25.8	7.7	7.7	26.3	26.3	90.1	90.2	6.3		10.5		10		89				<0.2		3.5	
						3.8	0.5	256	25.8		7.7		26.3		90.2		6.3		10.7		9		89				<0.2		3.3	
					Bottom	6.5	0.4	241	25.8	25.8	7.6	7.6	26.4	26.4	93.7	93.7	6.6	6.6	11.5		19		94				<0.2		2.6	
						6.5	0.5	253	25.8		7.6		26.4		93.7		6.6		11.5		20		94				<0.2		2.6	
IM8	Cloudy	Moderate	13:40	7.7	Surface	1.0	0.4	202	22.9	22.9	7.8	7.8	25.5	25.5	90.0	90.0	6.7	6.7	3.8	4.1	6	8	84	90	821709	807835	<0.2	<0.2	4.5	**4.5**
						1.0	0.4	218	22.9		7.8		25.5		90.0		6.7		3.8		8		85				<0.2		4.5	
					Middle	3.9	0.4	229	22.9	22.9	7.8	7.8	25.9	25.9	90.5	90.6	6.7		4.1		7		92				<0.2		4.5	
						3.9	0.4	229	22.9		7.8		25.9		90.6		6.7		4.1		8		92				<0.2		4.5	
					Bottom	6.7	0.7	265	23.0	23.0	7.8	7.8	26.3	26.3	91.7	91.8	6.8	6.8	4.4		10		94				<0.2		4.3	
						6.7	0.8	266	23.0		7.8		26.3		91.8		6.8		4.4		8		94				<0.2		4.4	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 22 November 16 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	13:48	6.5	Surface	1.0	0.3	238	22.9	22.9	7.8	7.8	25.0	25.0	91.2	91.2	6.8	6.8	2.9	5.0	4	5	85	91	822093	808794	<0.2	<0.2	4.4	**4.2**
						1.0	0.3	243	22.9		7.8		25.0		91.2		6.8		3.0		5		85				<0.2		4.3	
					Middle	3.3	0.4	264	22.9	22.9	7.8	7.8	26.2	26.2	91.4	91.4	6.8		4.2		4		93				<0.2		4.2	
						3.3	0.4	286	22.9		7.8		26.2		91.4		6.8		4.2		6		92				<0.2		4.3	
					Bottom	5.5	0.4	259	23.0	23.0	7.8	7.8	27.1	27.1	92.2	92.3	6.8	6.8	7.7		5		95				<0.2		4.1	
						5.5	0.4	283	23.0		7.8		27.1		92.3		6.8		7.7		6		94				<0.2		4.1	
IM10	Rainy	Moderate	13:56	7.2	Surface	1.0	0.5	282	23.0	23.0	7.8	7.8	26.8	26.8	92.7	92.7	6.8	6.8	3.4	5.6	4	5	85	91	822220	809820	<0.2	<0.2	3.0	3.1
						1.0	0.5	301	23.0		7.8		26.8		92.7		6.8		3.5		5		87				<0.2		3.0	
					Middle	3.6	0.6	292	23.0	23.0	7.8	7.8	27.0	27.0	92.8	92.8	6.8		4.5		4		93				<0.2		3.1	
						3.6	0.6	318	23.0		7.8		27.0		92.8		6.8		4.7		5		93				<0.2		3.2	
					Bottom	6.2	0.6	287	23.0	23.0	7.8	7.8	27.5	27.5	93.9	94.1	6.9	6.9	8.8		5		95				<0.2		3.0	
						6.2	0.6	303	23.0		7.8		27.5		94.3		6.9		8.8		6		94				<0.2		3.0	
IM11	Rainy	Moderate	14:04	8.1	Surface	1.0	0.5	288	23.0	23.0	7.8	7.8	26.9	26.9	94.7	94.7	7.0	7.0	4.4	9.3	3	6	86	92	821482	810543	<0.2	<0.2	3.2	3.1
						1.0	0.5	307	23.0		7.8		26.9		94.7		7.0		4.4		4		87				<0.2		3.1	
					Middle	4.1	0.6	298	22.9	22.9	7.8	7.8	27.1	27.1	95.1	95.1	7.0		8.0		6		93				<0.2		3.0	
						4.1	0.6	301	22.9		7.8		27.1		95.1		7.0		9.1		6		93				<0.2		2.9	
					Bottom	7.1	0.4	275	22.9	22.9	7.9	7.9	28.3	28.3	95.6	95.6	7.0	7.0	15.0		8		95				<0.2		3.0	
						7.1	0.4	301	22.9		7.9		28.3		95.6		7.0		15.0		9		95				<0.2		3.1	
IM12	Rainy	Moderate	14:13	7.2	Surface	1.0	0.7	274	23.0	23.0	7.8	7.8	27.1	27.1	95.3	95.3	7.0	7.0	4.1	14.3	7	6	87	92	821159	811533	<0.2	<0.2	2.8	2.8
						1.0	0.7	282	23.0		7.8		27.1		95.3		7.0		4.2		5		87				<0.2		2.7	
					Middle	3.6	0.8	283	23.0	23.0	7.8	7.8	27.4	27.4	95.4	95.4	7.0		8.1		5		93				<0.2		2.8	
						3.6	0.8	285	23.0		7.8		27.4		95.4		7.0		8.1		5		94				<0.2		2.8	
					Bottom	6.2	0.5	286	22.8	22.8	7.9	7.9	29.0	29.0	96.0	96.0	7.0	7.0	30.6		6		95				<0.2		2.8	
						6.2	0.5	302	22.8		7.9		29.0		95.9		7.0		30.6		6		95				<0.2		2.7	
SR2	Rainy	Moderate	14:35	4.8	Surface	1.0	0.4	300	22.9	22.9	7.9	7.9	28.8	28.8	95.3	95.3	6.9	6.9	8.5	9.1	13	14	87	91	821469	814153	<0.2	<0.2	1.8	1.8
						1.0	0.4	327	22.9		7.9		28.8		95.3		6.9		8.6		14		87				<0.2		1.7	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.3	274	22.9	22.9	7.8	7.8	29.0	29.0	97.7	98.2	7.1	7.2	9.4		15		95				<0.2		1.8	
						3.8	0.4	282	22.9		7.8		29.0		98.6		7.2		9.8		14		95				<0.2		1.7	
SR3	Cloudy	Moderate	13:35	8.3	Surface	1.0	0.5	251	23.0	23.0	7.7	7.7	25.1	25.2	89.3	89.3	6.6	6.6	3.4	3.7	8	7	-	-	822163	807567	-	-	-	-
						1.0	0.5	262	23.0		7.7		25.2		89.3		6.6		3.4		7		-				-		-	
					Middle	4.2	0.4	226	23.0	23.0	7.8	7.8	26.5	26.5	89.8	89.8	6.6		3.5		7		-				-		-	
						4.2	0.4	232	23.0		7.8		26.5		89.8		6.6		3.5		6		-				-		-	
					Bottom	7.3	0.9	276	23.0	23.0	7.8	7.8	27.0	27.0	91.2	91.3	6.7	6.7	4.1		8		-				-		-	
						7.3	0.9	283	23.0		7.8		27.0		91.3		6.7		4.1		7		-				-		-	
SR4A	Cloudy	Calm	14:37	7.4	Surface	1.0	0.4	246	25.7	25.7	7.8	7.8	30.0	30.0	93.9	94.0	6.5	6.5	13.5	13.8	18	21	-	-	817181	807823	-	-	-	-
						1.0	0.4	252	25.7		7.8		30.0		94.0		6.5		13.6		18		-				-		-	
					Middle	3.7	0.4	248	25.7	25.7	7.8	7.8	30.0	30.0	94.5	94.6	6.5		13.4		20		-				-		-	
						3.7	0.4	252	25.7		7.8		30.0		94.6		6.5		13.6		18		-				-		-	
					Bottom	6.4	0.3	234	25.7	25.7	7.8	7.8	30.0	30.0	96.0	96.0	6.6	6.6	14.4		25		-				-		-	
						6.4	0.3	244	25.7		7.8		30.0		96.0		6.6		14.4		24		-				-		-	
SR5A	Cloudy	Calm	14:56	3.9	Surface	1.0	0.2	303	25.7	25.7	7.8	7.8	29.8	29.8	98.0	98.1	6.8	6.8	11.5	12.2	18	19	-	-	816583	810690	-	-	-	-
						1.0	0.2	307	25.7		7.8		29.8		98.1		6.8		11.6		19		-				-		-	
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.0	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.2	311	25.7	25.7	7.7	7.7	29.8	29.8	100.7	100.8	7.0	7.0	12.7		20		-				-		-	
						2.9	0.2	339	25.7		7.7		29.8		100.9		7.0		12.8		20		-				-		-	
SR6	Cloudy	Moderate	15:20	4.0	Surface	1.0	0.3	242	25.7	25.7	7.7	7.7	27.8	27.9	96.7	96.8	6.7	6.7	4.8	5.6	8	10	-	-	817880	814653	-	-	-	-
						1.0	0.3	247	25.7		7.7		27.9		96.8		6.7		4.9		10		-				-		-	
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.0	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.2	254	25.7	25.7	7.7	7.7	28.1	28.1	98.9	99.0	6.9	6.9	6.4		10		-				-		-	
						3.0	0.2	266	25.7		7.7		28.1		99.1		6.9		6.2		10		-				-		-	
SR7	Rainy	Moderate	15:33	18.1	Surface	1.0	0.2	170	22.8	22.8	7.9	7.9	30.0	30.0	90.2	90.2	6.5	6.5	4.7	6.1	5	7	-	-	823649	823723	-	-	-	-
						1.0	0.2	184	22.8		7.9		30.0		90.1		6.5		4.7		6		-				-		-	
					Middle	9.1	0.4	120	22.8	22.8	7.9	7.9	30.3	30.3	89.9	90.0	6.5		6.7		7		-				-		-	
						9.1	0.4	121	22.8		7.9		30.3		90.0		6.5		6.7		7		-				-		-	
					Bottom	17.1	1.2	250	22.8	22.8	7.9	7.9	30.3	30.3	91.9	91.9	6.6	6.7	6.8		8		-				-		-	
						17.1	1.3	252	22.8		7.9		30.3		91.9		6.7		6.9		8		-				-		-	
SR8	Rainy	Moderate	14:19	4.8	Surface	1.0	0.3	209	23.4	23.4	7.8	7.8	27.1	27.1	97.0	97.0	7.1	7.1	8.6	11.0	8	10	-	-	820399	811593	-	-	-	-
						1.0	0.4	215	23.4		7.8		27.1		97.0		7.1		8.6		10		-				-		-	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.4	230	22.9	22.9	7.8	7.8	27.9	27.9	96.6	96.7	7.1	7.1	13.1		10		-				-		-	
						3.8	0.4	249	22.9		7.8		27.9		96.7		7.1		13.6		12		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 22 November 16 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Rainy	Moderate	06:18	8.7	Surface	1.0	1.0	217	25.6	25.6	7.8	7.8	27.8	27.8	97.2	97.2	6.8	6.8	3.3	5.8	4	7	85	90	815628	804236	<0.2	<0.2	1.7	1.3
						1.0	1.0	226	25.6		7.8		27.8		97.2		6.8		3.3		4		86				<0.2		1.7	
					Middle	4.4	0.7	220	25.6	25.6	7.8	7.8	29.9	29.9	97.6	97.7	6.7		5.3		6		91				<0.2		1.4	
						4.4	0.8	237	25.6		7.8		29.9		97.7		6.7		5.4		7		91				<0.2		1.4	
					Bottom	7.7	0.6	228	25.6	25.6	7.8	7.8	30.5	30.5	100.2	100.2	6.9	6.9	8.7		12		94				<0.2		0.7	
						7.7	0.6	249	25.6		7.8		30.5		100.2		6.9		8.7		11		95				<0.2		0.8	
C2	Rainy	Moderate	08:13	11.1	Surface	1.0	0.8	166	22.9	22.9	7.7	7.7	24.0	24.0	85.8	85.8	6.4	6.4	5.4	9.1	6	8	85	90	825662	806933	<0.2	<0.2	3.8	3.4
						1.0	0.8	181	22.9		7.7		24.0		85.8		6.4		5.5		7		84				<0.2		4.0	
					Middle	5.6	0.7	170	23.1	23.1	7.7	7.7	25.3	25.3	86.5	86.5	6.4		6.5		9		92				<0.2		2.5	
						5.6	0.8	176	23.1		7.7		25.3		86.5		6.4		6.6		7		93				<0.2		2.5	
					Bottom	10.1	0.5	197	23.1	23.1	7.7	7.7	28.3	28.3	90.4	90.4	6.6	6.6	15.4		9		94				<0.2		3.6	
						10.1	0.5	199	23.1		7.7		28.3		90.4		6.6		15.4		9		94				<0.2		3.7	
C3	Rainy	Moderate	05:51	12.5	Surface	1.0	0.4	113	22.9	22.9	7.8	7.8	29.3	29.3	93.8	93.8	6.8	6.8	4.9	6.6	4	6	90	93	822111	817788	<0.2	<0.2	1.6	1.5
						1.0	0.4	121	22.9		7.8		29.3		93.8		6.8		4.9		5		89				<0.2		1.5	
					Middle	6.3	0.3	110	22.8	22.8	7.8	7.8	29.6	29.6	93.0	93.0	6.8		6.3		6		94				<0.2		1.4	
						6.3	0.3	117	22.8		7.8		29.6		92.9		6.8		6.4		5		93				<0.2		1.4	
					Bottom	11.5	0.5	174	22.8	22.8	7.7	7.7	30.1	30.1	94.0	94.1	6.8	6.8	8.5		6		96				<0.2		1.6	
						11.5	0.5	177	22.8		7.7		30.1		94.1		6.8		8.5		7		96				<0.2		1.7	
IM1	Rainy	Moderate	06:45	7.0	Surface	1.0	0.6	197	25.7	25.7	7.7	7.7	27.0	27.0	94.3	94.4	6.6	6.6	7.4	7.3	7	12	86	90	818343	806449	<0.2	<0.2	2.4	1.5
						1.0	0.7	210	25.7		7.7		27.0		94.4		6.6		7.4		6		85				<0.2		2.2	
					Middle	3.5	0.5	196	25.7	25.7	7.8	7.8	28.8	28.8	95.0	95.0	6.6		7.3		10		90				<0.2		1.4	
						3.5	0.5	206	25.7		7.8		28.8		95.0		6.6		7.3		11		88				<0.2		1.3	
					Bottom	6.0	0.3	194	25.7	25.7	7.8	7.8	29.6	29.6	96.1	96.2	6.6	6.6	7.2		19		95				<0.2		0.9	
						6.0	0.3	205	25.7		7.8		29.6		96.2		6.6		7.2		18		94				<0.2		0.8	
IM2	Rainy	Moderate	06:52	7.8	Surface	1.0	0.9	226	25.7	25.7	7.7	7.7	26.1	26.1	93.7	93.7	6.6	6.7	4.7	7.4	9	13	86	90	818856	806175	<0.2	<0.2	2.0	2.0
						1.0	0.9	238	25.7		7.7		26.1		93.7		6.6		4.7		9		85				<0.2		2.1	
					Middle	3.9	0.8	221	25.7	25.7	7.7	7.7	26.7	26.7	94.9	94.9	6.7		8.3		12		90				<0.2		2.0	
						3.9	0.8	229	25.7		7.7		26.7		94.9		6.7		8.3		11		90				<0.2		2.0	
					Bottom	6.8	0.6	213	25.7	25.7	7.7	7.7	27.3	27.3	97.6	97.6	6.8	6.8	9.3		18		94				<0.2		2.1	
						6.8	0.6	222	25.7		7.7		27.3		97.6		6.8		9.3		20		94				<0.2		2.0	
IM3	Cloudy	Moderate	07:01	7.7	Surface	1.0	0.8	221	25.7	25.7	7.7	7.7	25.6	25.6	92.8	92.9	6.6	6.6	2.9	3.9	4	8	84	89	819398	806036	<0.2	<0.2	2.6	2.0
						1.0	0.8	225	25.7		7.7		25.6		92.9		6.6		3.0		4		86				<0.2		2.4	
					Middle	3.9	0.7	232	25.7	25.7	7.7	7.7	26.0	26.0	94.0	94.1	6.6		3.7		8		90				<0.2		2.3	
						3.9	0.7	245	25.7		7.7		26.0		94.1		6.6		3.8		9		89				<0.2		2.2	
					Bottom	6.7	0.4	232	25.7	25.7	7.7	7.7	28.1	28.1	97.0	97.0	6.8	6.8	5.1		12		92				<0.2		1.2	
						6.7	0.4	248	25.7		7.7		28.1		97.0		6.8		5.1		13		93				<0.2		1.4	
IM4	Cloudy	Moderate	07:07	7.6	Surface	1.0	0.5	237	25.7	25.7	7.7	7.7	26.8	26.8	94.5	94.5	6.6	6.7	5.2	7.0	5	11	86	90	819579	805043	<0.2	<0.2	2.2	1.7
						1.0	0.5	243	25.7		7.7		26.8		94.5		6.6		5.2		7		85				<0.2		2.2	
					Middle	3.8	0.5	226	25.7	25.7	7.7	7.7	27.1	27.1	95.3	95.3	6.7		6.8		11		92				<0.2		1.7	
						3.8	0.5	241	25.7		7.7		27.1		95.3		6.7		6.8		12		91				<0.2		1.7	
					Bottom	6.6	0.4	205	25.7	25.7	7.7	7.7	28.2	28.2	96.8	96.8	6.7	6.7	9.1		13		93				<0.2		1.2	
						6.6	0.4	209	25.7		7.7		28.1		96.8		6.7		9.0		15		94				<0.2		1.3	
IM5	Cloudy	Moderate	07:17	6.4	Surface	1.0	0.6	219	25.7	25.7	7.7	7.7	25.6	25.6	91.8	91.8	6.5	6.5	6.3	8.7	7	11	86	90	820574	804914	<0.2	<0.2	2.3	1.9
						1.0	0.6	227	25.7		7.7		25.6		91.8		6.5		6.3		6		85				<0.2		2.2	
					Middle	3.2	0.5	236	25.8	25.8	7.7	7.7	26.6	26.6	92.5	92.6	6.5		9.5		10		90				<0.2		1.9	
						3.2	0.6	251	25.8		7.7		26.6		92.6		6.5		9.8		9		91				<0.2		2.1	
					Bottom	5.4	0.4	244	25.8	25.8	7.7	7.7	27.5	27.5	93.2	93.2	6.5	6.5	10.0		18		93				<0.2		1.4	
						5.4	0.4	247	25.8		7.7		27.5		93.2		6.5		10.0		18		94				<0.2		1.3	
IM6	Cloudy	Moderate	07:26	6.2	Surface	1.0	0.6	191	25.7	25.7	7.7	7.7	27.2	27.2	94.0	94.1	6.6	6.7	4.7	7.1	5	11	86	90	821045	805808	<0.2	<0.2	2.0	2.0
						1.0	0.6	208	25.7		7.7		27.2		94.1		6.6		4.8		6		85				<0.2		2.0	
					Middle	3.1	0.6	192	25.7	25.7	7.8	7.8	27.5	27.5	95.2	95.3	6.7		6.0		7		90				<0.2		2.3	
						3.1	0.6	192	25.7		7.8		27.5		95.3		6.7		6.2		6		90				<0.2		2.3	
					Bottom	5.2	0.5	220	25.7	25.7	7.8	7.8	29.0	29.0	98.2	98.2	6.8	6.8	10.4		23		93				<0.2		1.7	
						5.2	0.6	238	25.7		7.8		29.0		98.2		6.8		10.4		21		94				<0.2		1.6	
IM7	Cloudy	Moderate	07:35	7.9	Surface	1.0	0.7	214	25.7	25.7	7.7	7.7	24.9	24.9	89.2	89.3	6.3	6.4	6.5	9.5	12	17	85	90	821358	806840	<0.2	<0.2	2.3	2.2
						1.0	0.7	224	25.7		7.7		24.9		89.3		6.3		6.6		11		85				<0.2		2.3	
					Middle	4.0	0.6	240	25.7	25.7	7.7	7.7	25.4	25.4	90.5	90.6	6.4		9.0		12		91				<0.2		2.6	
						4.0	0.6	245	25.7		7.7		25.4		90.6		6.4		9.1		13		89				<0.2		2.8	
					Bottom	6.9	0.3	243	25.8	25.8	7.7	7.7	27.1	27.1	93.3	93.3	6.5	6.5	12.8		26		93				<0.2		1.4	
						6.9	0.4	257	25.8		7.7		27.1		93.3		6.5		12.8		28		94				<0.2		1.6	
IM8	Cloudy	Moderate	07:27	7.3	Surface	1.0	0.8	184	22.9	22.9	7.7	7.7	25.2	25.2	90.7	90.8	6.7	6.8	3.6	5.3	5	4	85	91	821714	807835	<0.2	<0.2	2.2	2.5
						1.0	0.9	195	22.9		7.7		25.2		90.8		6.8		3.6		5		85				<0.2		2.1	
					Middle	3.7	0.6	208	22.9	22.9	7.8	7.8	26.3	26.3	91.6	91.7	6.8		4.6		5		93				<0.2		2.4	
						3.7	0.6	219	22.9		7.8		26.2		91.7		6.8		4.9		3		93				<0.2		2.5	
					Bottom	6.3	0.5	227	23.0	23.0	7.8	7.8	27.2	27.2	93.9	94.1	6.9	6.9	7.7		5		94				<0.2		2.9	
						6.3	0.5	242	23.0		7.8		27.2		94.3		6.9		7.3		3		94				<0.2		2.9	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 22 November 16 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	07:19	6.3	Surface	1.0	0.7	172	22.9	22.9	7.8	7.8	25.4	25.4	89.4	89.4	6.6	6.6	3.4	5.3	3	4	86	91	822096	808801	<0.2	<0.2	2.8	2.6
						1.0	0.7	179	22.9		7.8		25.4		89.3		6.6		3.5		3		86				<0.2		2.9	
					Middle	3.2	0.5	177	23.0	23.0	7.8	7.8	27.2	27.2	89.2	89.2	6.5		4.3		5		93				<0.2		2.3	
						3.2	0.6	181	23.0		7.8		27.2		89.2		6.5		4.3		4		92				<0.2		2.2	
					Bottom	5.3	0.4	171	23.0	23.0	7.8	7.8	27.5	27.5	89.6	89.7	6.6	6.6	8.6		5		94				<0.2		2.6	
						5.3	0.4	178	23.0		7.8		27.5		89.8		6.6		7.7		6		95				<0.2		2.5	
IM10	Rainy	Moderate	07:09	6.5	Surface	1.0	0.6	155	22.8	22.8	7.7	7.7	25.3	25.3	91.9	91.9	6.8	6.8	3.3	4.9	3	5	87	91	822224	809850	<0.2	<0.2	3.0	2.9
						1.0	0.7	158	22.8		7.7		25.3		91.8		6.8		3.4		5		86				<0.2		3.1	
					Middle	3.3	0.4	135	23.0	23.0	7.8	7.8	27.2	27.2	92.3	92.3	6.8		4.3		5		93				<0.2		2.8	
						3.3	0.4	148	23.0		7.8		27.2		92.3		6.8		4.3		5		93				<0.2		2.8	
					Bottom	5.5	0.6	180	22.9	22.9	7.9	7.9	29.1	29.1	95.0	95.0	6.9	6.9	7.0		5		95				<0.2		2.9	
						5.5	0.6	193	22.9		7.9		29.1		95.0		6.9		6.9		5		94				<0.2		2.8	
IM11	Rainy	Moderate	06:59	7.1	Surface	1.0	0.5	141	22.9	22.9	7.8	7.8	26.3	26.3	92.7	92.7	6.8	6.8	4.2	6.1	3	5	87	92	821496	810535	<0.2	<0.2	2.6	2.8
						1.0	0.5	142	22.9		7.8		26.3		92.7		6.8		4.3		3		87				<0.2		2.6	
					Middle	3.6	0.4	131	23.0	23.0	7.8	7.8	27.1	27.1	93.1	93.2	6.8		5.8		4		93				<0.2		2.8	
						3.6	0.4	135	23.0		7.8		27.1		93.2		6.8		5.8		4		93				<0.2		2.9	
					Bottom	6.1	0.4	137	22.9	22.9	7.8	7.8	28.7	28.8	92.6	92.6	6.7	6.7	8.1		6		95				<0.2		3.0	
						6.1	0.4	137	22.9		7.8		28.8		92.6		6.7		8.1		7		94				<0.2		2.9	
IM12	Rainy	Moderate	06:48	8.3	Surface	1.0	0.5	121	23.0	23.0	7.8	7.8	26.7	26.7	93.9	93.9	6.9	6.9	3.6	4.5	6	6	88	92	821162	811533	<0.2	<0.2	3.0	3.1
						1.0	0.6	129	23.0		7.8		26.6		93.9		6.9		3.7		5		88				<0.2		3.0	
					Middle	4.2	0.5	97	23.0	23.0	7.8	7.8	26.9	27.0	94.4	94.4	6.9		4.6		6		93				<0.2		2.9	
						4.2	0.5	103	23.0		7.8		27.0		94.4		6.9		4.6		6		93				<0.2		3.0	
					Bottom	7.3	0.9	137	22.9	22.9	7.8	7.8	27.9	27.9	94.8	94.8	6.9	6.9	5.2		6		95				<0.2		3.2	
						7.3	1.0	145	22.9		7.8		27.9		94.8		6.9		5.2		7		95				<0.2		3.3	
SR2	Rainy	Moderate	06:19	3.6	Surface	1.0	0.4	89	23.0	23.0	7.8	7.8	28.0	28.0	95.5	95.5	7.0	7.0	5.6	8.6	4	7	89	92	821460	814173	<0.2	<0.2	2.7	2.5
						1.0	0.4	96	23.0		7.8		28.0		95.5		7.0		5.7		6		88				<0.2		2.6	
					Middle	1.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						1.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.3	89	22.9	22.9	7.8	7.8	28.7	28.7	97.5	97.7	7.1	7.1	11.5		10		95				<0.2		2.3	
						2.6	0.3	95	22.9		7.8		28.7		97.9		7.1		11.7		9		95				<0.2		2.3	
SR3	Cloudy	Moderate	07:34	8.1	Surface	1.0	0.7	177	22.9	22.9	7.7	7.7	25.7	25.7	91.0	91.1	6.7	6.8	4.5	6.2	6	7	-	-	822158	807577	-	-	-	-
						1.0	0.7	186	22.9		7.7		25.7		91.1		6.8		4.5		4		-				-		-	
					Middle	4.1	0.6	189	22.9	22.9	7.8	7.8	26.6	26.7	91.8	91.9	6.8		6.0		7		-				-		-	
						4.1	0.6	207	22.9		7.8		26.7		92.0		6.8		6.2		8		-				-		-	
					Bottom	7.1	0.5	238	22.9	22.9	7.8	7.8	28.1	28.1	93.4	93.4	6.8	6.8	8.0		7		-				-		-	
						7.1	0.5	244	22.9		7.8		28.1		93.4		6.8		8.1		7		-				-		-	
SR4A	Rainy	Calm	05:59	6.8	Surface	1.0	0.3	226	25.6	25.6	7.8	7.8	30.1	30.1	95.0	95.1	6.6	6.6	8.0	9.2	8	15	-	-	817178	807808	-	-	-	-
						1.0	0.3	237	25.6		7.8		30.1		95.1		6.6		8.1		8		-				-		-	
					Middle	3.4	0.3	229	25.7	25.7	7.8	7.8	30.0	30.0	95.4	95.4	6.6		9.0		16		-				-		-	
						3.4	0.3	245	25.7		7.8		30.0		95.4		6.6		9.1		17		-				-		-	
					Bottom	5.8	0.3	213	25.7	25.7	7.8	7.8	29.8	29.8	97.0	97.1	6.7	6.7	10.5		18		-				-		-	
						5.8	0.3	221	25.7		7.8		29.8		97.1		6.7		10.6		20		-				-		-	
SR5A	Cloudy	Calm	05:43	4.5	Surface	1.0	0.2	183	25.8	25.8	7.8	7.8	29.3	29.4	93.9	94.0	6.5	6.5	11.3	17.1	8	9	-	-	816580	810715	-	-	-	-
						1.0	0.2	196	25.8		7.8		29.4		94.0		6.5		11.5		9		-				-		-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.2	175	25.8	25.8	7.8	7.8	29.4	29.4	94.8	94.8	6.5	6.5	22.8		9		-				-		-	
						3.5	0.2	182	25.8		7.8		29.4		94.8		6.5		22.8		11		-				-		-	
SR6	Rainy	Moderate	05:16	4.4	Surface	1.0	0.3	111	25.6	25.7	7.7	7.7	29.1	29.1	95.9	95.9	6.6	6.6	10.1	11.8	12	19	-	-	817893	814647	-	-	-	-
						1.0	0.3	114	25.7		7.7		29.1		95.8		6.6		10.1		12		-				-		-	
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.2	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.3	122	25.7	25.7	7.7	7.7	28.9	28.9	96.6	96.7	6.7	6.7	13.6		26		-				-		-	
						3.4	0.3	131	25.7		7.7		28.9		96.7		6.7		13.5		24		-				-		-	
SR7	Rainy	Moderate	05:11	19.1	Surface	1.0	0.4	73	22.7	22.7	7.8	7.8	29.9	29.9	92.7	92.7	6.7	6.7	2.7	3.0	5	7	-	-	823629	823749	-	-	-	-
						1.0	0.4	77	22.7		7.8		29.9		92.7		6.7		2.7		6		-				-		-	
					Middle	9.6	0.3	61	22.7	22.7	7.8	7.8	30.0	30.0	92.3	92.3	6.7		3.0		6		-				-		-	
						9.6	0.4	62	22.7		7.8		30.0		92.3		6.7		3.0		8		-				-		-	
					Bottom	18.1	0.3	57	22.7	22.7	7.8	7.8	30.3	30.3	92.7	92.7	6.7	6.7	3.3		7		-				-		-	
						18.1	0.3	61	22.7		7.8		30.3		92.7		6.7		3.4		9		-				-		-	
SR8	Rainy	Moderate	06:38	4.5	Surface	1.0	0.2	225	23.1	23.1	7.8	7.8	27.5	27.5	96.8	96.8	7.1	7.1	4.9	5.3	7	8	-	-	820398	811597	-	-	-	-
						1.0	0.2	228	23.1		7.8		27.5		96.7		7.1		4.9		8		-				-		-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.2	225	23.0	23.0	7.8	7.8	27.5	27.5	96.8	96.9	7.1	7.1	5.7		8		-				-		-	
						3.5	0.2	234	23.0		7.8		27.5		96.9		7.1		5.7		8		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 24 November 16 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	15:30	8.4	Surface	1.0	0.7	137	24.5	24.5	7.9	7.9	31.4	31.4	100.1	100.1	7.0	7.0	4.5	4.7	8	9	89	93	815604	804251	<0.2	<0.2	0.9	0.9
						1.0	0.8	149	24.5		7.9		31.4		100.1		7.0		4.6		9		90				<0.2		0.9	
					Middle	4.2	0.6	104	24.5	24.5	7.9	7.9	31.4	31.4	100.1	100.1	7.0		4.6		10		93				<0.2		1.0	
						4.2	0.7	106	24.5		7.9		31.4		100.1		7.0		4.7		8		94				<0.2		0.9	
					Bottom	7.4	0.9	137	24.5	24.5	7.8	7.8	31.3	31.3	104.0	104.1	7.3	7.3	4.9		10		94				<0.2		0.9	
						7.4	0.9	148	24.5		7.8		31.3		104.1		7.3		4.9		10		95				<0.2		1.0	
C2	Cloudy	Moderate	14:31	10.8	Surface	1.0	0.3	205	21.9	21.9	7.9	7.9	31.4	31.4	96.7	96.7	7.1	7.0	4.0	4.3	6	7	84	90	825677	806957	<0.2	<0.2	2.0	1.9
						1.0	0.3	224	21.9		7.9		31.4		96.7		7.1		4.1		6		84				<0.2		1.9	
					Middle	5.4	0.3	268	21.9	21.9	7.9	7.9	31.6	31.6	95.1	95.1	6.9		4.2		6		92				<0.2		2.0	
						5.4	0.3	294	21.9		7.9		31.6		95.1		6.9		4.2		7		91				<0.2		1.8	
					Bottom	9.8	0.7	293	22.1	22.1	7.9	7.9	32.2	32.2	94.8	95.0	6.9	6.9	4.5		7		94				<0.2		1.8	
						9.8	0.7	300	22.1		7.9		32.2		95.1		6.9		4.8		8		94				<0.2		1.9	
C3	Cloudy	Moderate	16:29	11.9	Surface	1.0	0.4	258	22.1	22.1	7.9	7.9	32.7	32.7	93.4	93.4	6.7	6.7	2.1	4.0	8	9	86	92	822123	817789	<0.2	<0.2	1.0	1.0
						1.0	0.5	277	22.1		7.9		32.7		93.4		6.7		2.1		8		88				<0.2		1.0	
					Middle	6.0	0.4	258	22.1	22.1	7.9	7.9	32.8	32.8	93.4	93.4	6.7		4.0		9		93				<0.2		1.0	
						6.0	0.5	258	22.1		7.9		32.8		93.4		6.7		4.1		8		93				<0.2		1.1	
					Bottom	10.9	0.5	260	22.2	22.2	7.9	7.9	32.9	32.9	95.5	95.5	6.9	6.9	5.8		9		96				<0.2		1.0	
						10.9	0.5	260	22.2		7.9		32.9		95.5		6.9		5.8		10		96				<0.2		1.1	
IM1	Cloudy	Moderate	15:07	7.2	Surface	1.0	0.5	166	24.4	24.4	7.9	7.9	30.5	30.5	100.3	100.3	7.0	7.0	3.3	3.9	4	6	86	89	818369	806445	<0.2	<0.2	1.2	1.2
						1.0	0.5	177	24.4		7.9		30.5		100.3		7.0		3.3		6		87				<0.2		1.3	
					Middle	3.6	0.5	162	24.4	24.4	7.9	7.9	30.5	30.5	100.0	100.0	7.0		3.6		7		88				<0.2		1.3	
						3.6	0.5	162	24.4		7.9		30.5		100.0		7.0		3.6		7		89				<0.2		1.2	
					Bottom	6.2	0.6	146	24.5	24.5	7.9	7.9	30.8	30.8	100.2	100.3	7.0	7.0	4.8		6		91				<0.2		1.1	
						6.2	0.6	155	24.5		7.9		30.8		100.3		7.0		4.7		7		92				<0.2		1.2	
IM2	Cloudy	Moderate	15:01	8.1	Surface	1.0	0.4	192	24.3	24.3	7.9	7.9	29.9	29.9	102.2	102.2	7.2	7.2	2.7	3.3	4	7	87	89	818834	806210	<0.2	<0.2	1.6	1.3
						1.0	0.4	197	24.3		7.9		29.9		102.2		7.2		2.7		5		86				<0.2		1.7	
					Middle	4.1	0.5	190	24.3	24.3	7.8	7.8	29.9	29.9	101.7	101.8	7.2		2.9		6		88				<0.2		1.1	
						4.1	0.5	201	24.3		7.8		29.9		101.8		7.2		3.0		6		89				<0.2		1.0	
					Bottom	7.1	0.5	166	24.5	24.5	7.8	7.8	30.3	30.3	104.4	104.5	7.3	7.3	4.2		12		93				<0.2		1.1	
						7.1	0.5	166	24.5		7.8		30.3		104.6		7.3		4.2		10		91				<0.2		1.0	
IM3	Cloudy	Moderate	14:53	8.5	Surface	1.0	0.5	201	24.6	24.6	7.8	7.8	30.0	30.0	100.9	100.9	7.1	7.2	3.4	3.6	8	9	87	91	819422	806015	<0.2	<0.2	1.0	1.2
						1.0	0.5	213	24.6		7.8		30.0		100.9		7.1		3.5		8		88				<0.2		1.1	
					Middle	4.3	0.5	192	24.5	24.6	7.8	7.8	30.0	30.0	102.1	102.1	7.2		3.7		9		92				<0.2		1.2	
						4.3	0.5	208	24.6		7.8		30.0		102.1		7.2		3.6		8		93				<0.2		1.2	
					Bottom	7.5	0.6	186	24.5	24.5	7.8	7.8	30.2	30.3	106.4	106.5	7.5	7.5	3.7		11		94				<0.2		1.5	
						7.5	0.6	189	24.4		7.8		30.3		106.5		7.5		3.7		10		94				<0.2		1.3	
IM4	Cloudy	Moderate	14:46	7.8	Surface	1.0	0.4	186	24.5	24.5	7.8	7.8	30.0	30.0	100.2	100.2	7.0	7.0	4.5	4.8	6	9	85	90	819553	805026	<0.2	<0.2	1.2	1.1
						1.0	0.4	189	24.5		7.8		30.0		100.2		7.0		4.5		8		86				<0.2		1.2	
					Middle	3.9	0.4	200	24.5	24.5	7.8	7.8	30.0	30.0	100.2	100.3	7.0		4.7		11		89				<0.2		1.0	
						3.9	0.4	203	24.5		7.8		30.0		100.3		7.0		4.7		11		90				<0.2		1.1	
					Bottom	6.8	0.4	194	24.5	24.5	7.8	7.8	30.4	30.4	103.6	103.7	7.3	7.3	5.0		10		93				<0.2		1.0	
						6.8	0.4	207	24.5		7.8		30.4		103.7		7.3		5.1		10		94				<0.2		1.0	
IM5	Cloudy	Moderate	14:39	6.8	Surface	1.0	0.5	193	24.5	24.5	7.8	7.8	29.2	29.2	99.3	99.3	7.0	7.0	4.9	5.8	10	10	88	92	820566	804917	<0.2	<0.2	1.3	1.4
						1.0	0.5	197	24.5		7.8		29.2		99.3		7.0		4.8		10		88				<0.2		1.4	
					Middle	3.4	0.4	199	24.5	24.5	7.8	7.8	29.3	29.3	99.5	99.5	7.0		5.8		11		92				<0.2		1.3	
						3.4	0.5	216	24.5		7.8		29.3		99.5		7.0		5.8		9		93				<0.2		1.3	
					Bottom	5.8	0.4	192	24.6	24.6	7.8	7.8	29.6	29.6	103.0	103.1	7.2	7.3	6.8		10		94				<0.2		1.4	
						5.8	0.4	209	24.6		7.8		29.6		103.1		7.3		6.8		10		95				<0.2		1.5	
IM6	Cloudy	Moderate	14:31	6.6	Surface	1.0	0.4	214	24.5	24.5	7.8	7.8	29.5	29.5	100.2	100.2	7.0	7.1	5.5	7.2	6	11	87	91	821068	805839	<0.2	<0.2	1.2	1.3
						1.0	0.4	226	24.5		7.8		29.5		100.2		7.1		5.6		8		88				<0.2		1.3	
					Middle	3.3	0.3	223	24.5	24.5	7.8	7.8	29.5	29.5	100.7	100.8	7.1		6.1		10		90				<0.2		1.3	
						3.3	0.3	227	24.5		7.8		29.5		100.8		7.1		6.2		12		91				<0.2		1.3	
					Bottom	5.6	0.3	187	24.5	24.5	7.8	7.8	29.7	29.7	103.1	103.1	7.3	7.3	9.9		14		93				<0.2		1.3	
						5.6	0.3	187	24.5		7.8		29.7		103.1		7.3		9.9		15		94				<0.2		1.5	
IM7	Cloudy	Moderate	14:23	8.0	Surface	1.0	0.5	208	24.7	24.7	7.8	7.8	29.4	29.4	98.4	98.4	6.9	7.0	4.0	4.7	6	9	85	89	821347	806835	<0.2	<0.2	1.5	1.2
						1.0	0.5	210	24.7		7.8		29.4		98.4		6.9		4.0		8		86				<0.2		1.3	
					Middle	4.0	0.5	194	24.7	24.7	7.8	7.8	29.4	29.4	99.2	99.3	7.0		4.3		6		88				<0.2		1.2	
						4.0	0.5	195	24.7		7.8		29.4		99.3		7.0		4.4		7		89				<0.2		1.2	
					Bottom	7.0	0.6	198	24.7	24.7	7.7	7.7	29.7	29.7	103.6	103.7	7.3	7.3	5.6		13		92				<0.2		1.0	
						7.0	0.6	200	24.7		7.7		29.7		103.8		7.3		5.6		11		92				<0.2		1.0	
IM8	Cloudy	Moderate	15:06	8.2	Surface	1.0	0.4	198	21.8	21.8	7.9	7.9	32.7	32.7	102.0	102.0	7.4	7.4	3.5	4.2	6	8	85	91	821697	807835	<0.2	<0.2	1.1	1.2
						1.0	0.4	208	21.8		7.9		32.7		102.0		7.4		3.5		8		85				<0.2		1.2	
					Middle	4.1	0.3	217	21.8	21.8	7.9	7.9	32.8	32.8	101.9	101.9	7.4		3.9		8		92				<0.2		1.2	
						4.1	0.3	234	21.8		7.9		32.8		101.9		7.4		3.9		10		93				<0.2		1.2	
					Bottom	7.2	0.4	228	21.7	21.7	7.9	7.9	33.4	33.4	102.7	102.7	7.4	7.4	5.1		9		94				<0.2		1.2	
						7.2	0.5	238	21.7		7.9		33.4		102.7		7.4		5.1		8		95				<0.2		1.3	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 24 November 16 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	15:14	7.8	Surface	1.0	0.3	229	21.8	21.8	7.9	7.9	32.5	32.5	102.6	102.6	7.5	7.5	4.0	7.0	4	7	85	91	822080	808796	<0.2	<0.2	1.1	1.1
						1.0	0.4	246	21.8		7.9		32.5		102.6		7.5		4.0		5		85				<0.2		1.2	
					Middle	3.9	0.4	239	21.7	21.7	7.9	7.9	32.6	32.6	103.2	103.2	7.5		6.8		6		92				<0.2		1.0	
						3.9	0.4	253	21.7		7.9		32.6		103.2		7.5		7.0		5		93				<0.2		1.1	
					Bottom	6.8	0.3	245	21.6	21.6	7.9	7.9	33.1	33.1	104.1	104.1	7.6	7.6	10.1		12		95				<0.2		1.1	
						6.8	0.4	254	21.6		7.9		33.1		104.1		7.6		10.1		10		95				<0.2		1.1	
IM10	Cloudy	Moderate	15:22	7.9	Surface	1.0	0.4	255	22.0	22.0	7.9	7.9	32.2	32.2	99.6	99.7	7.2	7.3	3.7	7.7	7	8	86	91	822240	809835	<0.2	<0.2	1.1	1.2
						1.0	0.4	270	22.0		7.9		32.2		99.7		7.2		3.8		5		86				<0.2		1.2	
					Middle	4.0	0.4	243	21.9	21.9	7.9	7.9	32.3	32.3	100.1	100.1	7.3		7.8		8		93				<0.2		1.0	
						4.0	0.5	246	21.9		7.9		32.3		100.1		7.3		7.8		8		92				<0.2		1.1	
					Bottom	6.9	0.4	236	21.6	21.6	8.0	8.0	33.0	33.0	101.0	101.0	7.3	7.3	11.5		11		95				<0.2		1.3	
						6.9	0.4	236	21.6		8.0		33.0		100.9		7.3		11.6		10		95				<0.2		1.2	
IM11	Cloudy	Moderate	15:30	7.9	Surface	1.0	0.4	246	22.1	22.1	7.9	7.9	32.2	32.2	95.0	95.0	6.9	6.9	5.0	8.4	7	14	87	92	821484	810536	<0.2	<0.2	1.1	1.0
						1.0	0.4	258	22.1		7.9		32.2		95.0		6.9		5.1		6		86				<0.2		1.0	
					Middle	4.0	0.4	268	22.1	22.1	7.9	7.9	32.3	32.3	95.0	95.0	6.9		7.6		16		93				<0.2		0.9	
						4.0	0.4	272	22.1		7.9		32.3		95.0		6.9		7.6		17		93				<0.2		0.8	
					Bottom	6.9	0.4	261	22.2	22.2	7.9	7.9	32.7	32.7	96.6	96.6	7.0	7.0	12.5		18		95				<0.2		1.1	
						6.9	0.4	261	22.2		7.9		32.7		96.6		7.0		12.6		18		95				<0.2		1.0	
IM12	Cloudy	Moderate	15:39	8.1	Surface	1.0	0.5	274	22.1	22.1	7.9	7.9	31.8	31.8	92.9	92.9	6.8	6.8	4.1	9.1	8	11	87	92	821165	811530	<0.2	<0.2	0.9	1.0
						1.0	0.5	286	22.1		7.9		31.8		92.9		6.8		4.1		8		87				<0.2		0.9	
					Middle	4.1	0.5	275	22.1	22.1	7.9	7.9	31.8	31.8	92.4	92.4	6.7		6.1		11		93				<0.2		1.1	
						4.1	0.5	276	22.1		7.9		31.8		92.4		6.7		6.1		10		93				<0.2		1.1	
					Bottom	7.1	0.4	270	22.1	22.1	7.9	7.9	32.4	32.4	91.2	91.2	6.6	6.6	17.1		12		95				<0.2		1.1	
						7.1	0.4	295	22.1		7.9		32.4		91.2		6.6		17.1		14		95				<0.2		1.0	
SR2	Cloudy	Moderate	16:05	4.9	Surface	1.0	0.2	210	22.0	22.0	7.9	7.9	32.1	32.1	95.8	95.8	6.9	6.9	7.2	7.5	9	11	89	92	821474	814150	<0.2	<0.2	0.9	0.9
						1.0	0.2	216	22.0		7.9		32.1		95.8		6.9		7.2		11		87				<0.2		0.9	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.1	203	22.0	22.0	7.9	7.9	32.1	32.1	98.3	98.4	7.1	7.1	7.7		11		95				<0.2		0.9	
						3.9	0.1	210	22.0		7.9		32.1		98.5		7.1		7.7		13		95				<0.2		0.9	
SR3	Cloudy	Moderate	15:02	8.7	Surface	1.0	0.3	200	21.9	21.9	7.9	7.9	32.6	32.6	101.1	101.1	7.3	7.3	3.6	6.3	6	9	-	-	822159	807562	-	-	-	-
						1.0	0.3	204	21.9		7.9		32.6		101.1		7.3		3.6		7		-				-		-	
					Middle	4.4	0.3	226	21.8	21.8	7.9	7.9	32.7	32.7	100.8	100.8	7.3		5.3		10		-				-		-	
						4.4	0.4	243	21.8		7.9		32.7		100.8		7.3		5.3		9		-				-		-	
					Bottom	7.7	0.5	252	21.9	21.9	8.0	8.0	33.7	33.7	102.4	102.5	7.4	7.4	10.0		10		-				-		-	
						7.7	0.5	269	21.9		8.0		33.7		102.6		7.4		9.9		9		-				-		-	
SR4A	Cloudy	Moderate	15:51	8.2	Surface	1.0	0.3	214	97.5	97.5	7.7	7.7	10.5	10.5	100.2	100.4	7.0	7.0	12.2	12.6	15	17	-	-	817192	807809	-	-	-	-
						1.0	0.3	231	97.5		7.7		10.5		100.5		7.0		12.3		14		-				-		-	
					Middle	4.1	0.3	205	98.0	98.0	7.7	7.7	10.4	10.4	100.6	100.3	7.0		12.3		18		-				-		-	
						4.1	0.3	224	98.0		7.7		10.4		100.0		7.0		12.4		17		-				-		-	
					Bottom	7.2	0.2	200	97.9	97.9	7.6	7.6	10.4	10.4	100.0	100.1	7.0	7.0	13.3		20		-				-		-	
						7.2	0.2	210	97.9		7.6		10.4		100.1		7.0		13.2		18		-				-		-	
SR5A	Cloudy	Moderate	16:10	3.9	Surface	1.0	0.1	274	62.9	63.0	7.7	7.7	14.7	14.7	100.8	100.8	7.0	7.0	4.6	4.8	10	20	-	-	816605	810690	-	-	-	-
						1.0	0.1	300	63.0		7.7		14.7		100.8		7.0		4.6		10		-				-		-	
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.0	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.1	256	72.9	72.6	7.6	7.6	12.9	13.0	100.5	100.4	7.0	7.0	5.1		29		-				-		-	
						2.9	0.1	256	72.2		7.6		13.0		100.3		7.0		5.0		31		-				-		-	
SR6	Cloudy	Moderate	16:34	4.3	Surface	1.0	0.2	216	51.1	51.1	7.7	7.7	17.5	17.5	100.3	100.3	7.0	7.0	13.9	17.2	24	25	-	-	817892	814669	-	-	-	-
						1.0	0.2	237	51.1		7.7		17.5		100.2		7.0		14.0		25		-				-		-	
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.2	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.2	225	50.4	50.4	7.6	7.6	17.9	17.9	100.7	100.7	7.0	7.0	20.4		25		-				-		-	
						3.3	0.2	232	50.4		7.6		17.9		100.7		7.0		20.6		27		-				-		-	
SR7	Cloudy	Moderate	17:05	17.8	Surface	1.0	0.3	133	22.1	22.1	8.0	8.0	32.3	32.3	94.2	94.2	6.8	6.9	3.0	3.3	6	8	-	-	823622	823742	-	-	-	-
						1.0	0.3	135	22.1		8.0		32.3		94.2		6.8		3.0		8		-				-		-	
					Middle	8.9	0.3	184	22.2	22.2	7.9	7.9	32.4	32.4	95.0	95.1	6.9		3.7		8		-				-		-	
						8.9	0.3	198	22.2		7.9		32.4		95.1		6.9		3.7		8		-				-		-	
					Bottom	16.8	0.8	224	22.2	22.2	7.9	7.9	32.4	32.4	99.7	99.7	7.2	7.2	3.2		8		-				-		-	
						16.8	0.8	239	22.2		7.9		32.4		99.7		7.2		3.2		8		-				-		-	
SR8	Cloudy	Moderate	15:45	5.4	Surface	1.0	0.3	263	21.9	21.9	7.9	7.9	31.7	31.7	98.5	98.6	7.2	7.2	5.4	7.9	9	10	-	-	820399	811575	-	-	-	-
						1.0	0.3	277	21.9		7.9		31.7		98.6		7.2		5.4		10		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.3	276	22.0	22.0	7.9	7.9	31.8	31.8	101.9	101.9	7.4	7.4	10.4		10		-				-		-	
						4.4	0.3	287	22.0		7.9		31.8		101.9		7.4		10.4		12		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 24 November 16 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Rough	08:54	8.7	Surface	1.0	0.8	204	24.4	24.4	7.9	7.9	31.3	31.3	98.9	98.9	6.9	6.9	6.1	6.1	10	11	85	90	815627	804248	<0.2	<0.2	0.5	0.6
						1.0	0.9	224	24.4		7.9		31.3		98.9		6.9		6.2		8		86				<0.2		0.6	
					Middle	4.4	0.9	205	24.4	24.4	7.8	7.8	31.3	31.3	98.8	98.8	6.9		6.0		12		90				<0.2		0.6	
						4.4	0.9	223	24.4		7.8		31.3		98.8		6.9		6.0		13		91				<0.2		0.6	
					Bottom	7.7	0.8	217	24.4	24.4	7.8	7.8	31.2	31.2	98.7	98.7	6.9	6.9	6.0		11		94				<0.2		0.6	
						7.7	0.9	235	24.4		7.8		31.2		98.7		6.9		6.0		12		94				<0.2		0.6	
C2	Cloudy	Rough	10:45	11.2	Surface	1.0	0.4	172	22.0	22.0	7.9	7.9	30.0	30.0	92.2	92.2	6.8	6.8	5.0	5.4	8	9	85	90	825670	806950	<0.2	<0.2	1.5	1.3
						1.0	0.4	184	22.0		7.9		30.0		92.2		6.8		4.9		6		85				<0.2		1.4	
					Middle	5.6	0.3	171	22.3	22.3	7.9	7.9	30.9	30.9	91.4	91.4	6.7		5.1		10		92				<0.2		1.0	
						5.6	0.3	173	22.3		7.9		30.9		91.4		6.7		5.1		9		92				<0.2		1.0	
					Bottom	10.2	0.4	205	22.3	22.3	7.9	7.9	30.8	30.8	93.1	93.1	6.8	6.8	6.0		10		93				<0.2		1.3	
						10.2	0.4	212	22.3		7.9		30.8		93.1		6.8		6.0		9		94				<0.2		1.3	
C3	Cloudy	Moderate	08:34	12.3	Surface	1.0	0.2	143	22.2	22.2	7.9	7.9	31.4	31.4	92.7	92.7	6.7	6.8	3.1	3.3	6	7	89	93	822098	817783	<0.2	<0.2	0.6	0.8
						1.0	0.3	152	22.2		7.9		31.4		92.6		6.7		3.1		5		89				<0.2		0.7	
					Middle	6.2	0.3	126	22.2	22.2	7.9	7.9	31.4	31.4	94.0	94.1	6.8		3.2		8		93				<0.2		0.7	
						6.2	0.3	135	22.2		7.9		31.4		94.1		6.8		3.2		7		93				<0.2		0.7	
					Bottom	11.3	1.0	197	22.2	22.2	7.9	7.9	31.4	31.4	96.2	96.3	7.0	7.0	3.5		8		96				<0.2		0.9	
						11.3	1.1	215	22.2		7.9		31.4		96.3		7.0		3.5		7		95				<0.2		0.9	
IM1	Cloudy	Rough	09:21	7.3	Surface	1.0	0.8	205	24.2	24.2	7.8	7.8	30.0	30.0	99.9	99.9	7.1	7.1	3.6	4.2	7	6	85	89	818347	806461	<0.2	<0.2	0.9	0.9
						1.0	0.8	207	24.2		7.8		30.0		99.9		7.1		3.7		7		85				<0.2		0.9	
					Middle	3.7	0.6	215	24.3	24.3	7.8	7.8	30.1	30.1	100.7	100.8	7.1		4.3		6		88				<0.2		1.1	
						3.7	0.7	232	24.3		7.8		30.1		100.8		7.1		4.4		6		90				<0.2		0.9	
					Bottom	6.3	0.8	184	24.4	24.4	7.7	7.7	29.8	29.8	104.3	104.4	7.3	7.4	4.6		6		94				<0.2		0.9	
						6.3	0.9	186	24.4		7.7		29.8		104.4		7.4		4.6		6		94				<0.2		0.8	
IM2	Cloudy	Rough	09:27	8.4	Surface	1.0	0.6	210	24.1	24.1	7.8	7.8	29.7	29.7	98.7	98.7	7.0	7.0	3.2	4.6	7	8	86	89	818870	806208	<0.2	<0.2	1.4	1.2
						1.0	0.7	224	24.1		7.8		29.7		98.7		7.0		3.3		8		86				<0.2		1.3	
					Middle	4.2	0.7	200	24.2	24.2	7.8	7.8	30.1	30.1	99.1	99.1	7.0		4.1		6		89				<0.2		1.1	
						4.2	0.7	200	24.2		7.8		30.1		99.1		7.0		4.1		6		89				<0.2		1.2	
					Bottom	7.4	0.5	186	24.6	24.6	7.8	7.8	30.6	30.6	101.1	101.2	7.1	7.1	6.4		9		93				<0.2		1.1	
						7.4	0.6	187	24.6		7.8		30.6		101.2		7.1		6.4		9		93				<0.2		0.9	
IM3	Cloudy	Moderate	09:35	8.3	Surface	1.0	0.6	179	24.2	24.2	7.8	7.8	30.5	30.5	100.5	100.6	7.1	7.1	4.3	4.9	9	9	86	88	819422	806035	<0.2	<0.2	1.2	1.2
						1.0	0.6	186	24.2		7.8		30.5		100.6		7.1		4.3		7		85				<0.2		1.3	
					Middle	4.2	0.6	180	24.2	24.2	7.8	7.8	30.6	30.6	100.1	100.1	7.0		4.5		8		88				<0.2		1.3	
						4.2	0.6	180	24.2		7.8		30.6		100.1		7.0		4.5		7		89				<0.2		1.2	
					Bottom	7.3	0.6	177	24.6	24.6	7.7	7.7	30.9	30.9	104.7	104.8	7.3	7.3	5.8		10		90				<0.2		0.9	
						7.3	0.7	184	24.6		7.7		30.9		104.9		7.3		5.8		12		92				<0.2		1.0	
IM4	Cloudy	Moderate	09:44	7.8	Surface	1.0	0.6	185	24.2	24.2	7.8	7.8	30.2	30.2	99.8	99.8	7.0	7.0	5.4	5.8	7	9	85	88	819575	805049	<0.2	<0.2	1.2	1.1
						1.0	0.7	185	24.2		7.8		30.1		99.8		7.0		5.3		9		85				<0.2		1.2	
					Middle	3.9	0.6	195	24.3	24.3	7.8	7.8	30.1	30.1	99.6	99.6	7.0		5.6		8		88				<0.2		1.2	
						3.9	0.6	197	24.3		7.8		30.1		99.5		7.0		5.6		8		88				<0.2		1.3	
					Bottom	6.8	0.5	196	24.5	24.5	7.8	7.8	30.6	30.6	99.9	99.9	7.0	7.0	6.3		11		91				<0.2		0.8	
						6.8	0.5	197	24.5		7.8		30.6		99.9		7.0		6.4		10		92				<0.2		0.8	
IM5	Cloudy	Moderate	09:54	7.0	Surface	1.0	0.6	151	24.3	24.3	7.8	7.8	29.9	29.9	99.2	99.2	7.0	7.0	6.6	9.0	8	10	85	89	820554	804941	<0.2	<0.2	1.0	1.1
						1.0	0.6	159	24.3		7.8		29.9		99.2		7.0		6.5		9		86				<0.2		1.1	
					Middle	3.5	0.5	151	24.3	24.3	7.8	7.8	29.8	29.8	99.0	99.1	7.0		7.5		9		88				<0.2		1.1	
						3.5	0.6	159	24.3		7.8		29.8		99.1		7.0		7.6		10		89				<0.2		1.1	
					Bottom	6.0	0.6	145	24.4	24.4	7.8	7.8	30.0	30.0	99.8	99.8	7.0	7.0	12.9		12		91				<0.2		1.2	
						6.0	0.6	151	24.4		7.8		30.0		99.8		7.0		12.9		10		92				<0.2		1.2	
IM6	Cloudy	Moderate	10:09	6.9	Surface	1.0	0.5	182	24.3	24.3	7.8	7.8	29.7	29.7	100.1	100.1	7.1	7.1	4.5	5.9	6	8	86	90	821049	805835	<0.2	<0.2	1.1	1.1
						1.0	0.5	188	24.3		7.8		29.7		100.1		7.1		4.6		6		87				<0.2		0.9	
					Middle	3.5	0.5	186	24.3	24.3	7.8	7.8	29.7	29.8	100.7	100.7	7.1		5.5		7		89				<0.2		1.2	
						3.5	0.5	190	24.3		7.8		29.8		100.7		7.1		5.5		7		90				<0.2		1.2	
					Bottom	5.9	0.6	193	24.5	24.5	7.7	7.7	30.1	30.1	104.6	104.8	7.3	7.4	7.5		11		93				<0.2		1.0	
						5.9	0.7	210	24.5		7.7		30.1		104.9		7.4		7.5		11		94				<0.2		1.2	
IM7	Cloudy	Moderate	10:17	7.9	Surface	1.0	0.5	185	24.6	24.6	7.8	7.8	29.7	29.7	99.0	99.1	7.0	7.1	4.7	5.3	7	8	84	89	821355	806837	<0.2	<0.2	1.4	1.4
						1.0	0.5	187	24.6		7.8		29.7		99.1		7.0		4.8		8		86				<0.2		1.4	
					Middle	4.0	0.5	189	24.6	24.6	7.7	7.7	29.7	29.7	100.9	101.0	7.1		5.1		8		88				<0.2		1.2	
						4.0	0.6	198	24.5		7.7		29.7		101.0		7.1		5.1		10		89				<0.2		1.3	
					Bottom	6.9	0.5	172	24.5	24.5	7.7	7.7	30.0	30.0	104.7	104.8	7.4	7.4	5.9		8		92				<0.2		1.6	
						6.9	0.6	173	24.5		7.7		30.0		104.9		7.4		5.9		9		93				<0.2		1.6	
IM8	Cloudy	Rough	10:06	7.5	Surface	1.0	0.4	158	21.4	21.4	8.0	8.0	30.5	30.5	101.6	101.6	7.5	7.5	5.4	6.4	6	6	85	91	821690	807843	<0.2	<0.2	1.0	1.1
						1.0	0.4	161	21.4		8.0		30.5		101.6		7.5		5.4		5		86				<0.2		1.1	
					Middle	3.8	0.4	179	21.5	21.5	7.9	7.9	30.6	30.6	101.4	101.4	7.5		6.2		7		93				<0.2		1.2	
						3.8	0.4	195	21.5		7.9		30.6		101.3		7.5		6.3		5		92				<0.2		1.1	
					Bottom	6.5	0.5	187	21.9	21.9	7.9	7.9	31.1	31.1	103.5	103.6	7.6	7.6	7.4		7		93				<0.2		1.1	
						6.5	0.5	190	21.9		7.9		31.1		103.6		7.6		7.5		5		94				<0.2		1.1	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 24 November 16 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Rough	09:58	7.9	Surface	1.0	0.3	147	21.5	21.5	7.9	7.9	30.2	30.2	100.5	100.5	7.5	7.5	4.8	7.9	5	6	86	91	822087	808825	<0.2	<0.2	1.3	1.2
						1.0	0.4	150	21.5		7.9		30.2		100.5		7.5		4.8		6		86				<0.2		1.2	
					Middle	4.0	0.4	127	21.5	21.5	7.9	7.9	30.2	30.2	99.8	99.8	7.4		7.5		5		93				<0.2		1.3	
						4.0	0.4	131	21.5		7.9		30.2		99.8		7.4		7.5		7		92				<0.2		1.2	
					Bottom	6.9	0.4	164	21.9	21.9	7.9	7.9	30.9	30.9	101.4	101.8	7.4	7.5	11.3		6		94				<0.2		1.2	
						6.9	0.4	168	21.8		7.9		30.9		102.1		7.5		11.2		6		94				<0.2		1.1	
IM10	Cloudy	Rough	09:50	7.3	Surface	1.0	0.4	128	21.9	21.9	7.9	7.9	30.1	30.1	96.3	96.4	7.1	7.2	5.7	8.8	6	6	87	91	822238	809850	<0.2	<0.2	1.4	1.3
						1.0	0.4	133	21.9		7.9		30.1		96.4		7.1		5.8		5		87				<0.2		1.3	
					Middle	3.7	0.4	126	21.9	21.9	7.9	7.9	30.1	30.1	97.2	97.3	7.2		7.3		6		93				<0.2		1.2	
						3.7	0.4	130	21.9		7.9		30.1		97.3		7.2		7.3		7		92				<0.2		1.2	
					Bottom	6.3	0.4	155	22.1	22.1	7.9	7.9	31.0	31.0	101.2	101.2	7.4	7.4	13.3		7		94				<0.2		1.4	
						6.3	0.4	167	22.1		7.9		31.0		101.2		7.4		13.3		5		94				<0.2		1.4	
IM11	Cloudy	Rough	09:41	8.0	Surface	1.0	0.3	122	22.1	22.1	7.8	7.8	30.2	30.2	92.3	92.3	6.8	6.9	7.3	8.1	10	10	88	91	821511	810540	<0.2	<0.2	1.5	1.5
						1.0	0.3	128	22.1		7.8		30.2		92.3		6.8		7.3		8		87				<0.2		1.6	
					Middle	4.0	0.3	139	22.1	22.1	7.8	7.8	30.2	30.2	93.5	93.6	6.9		8.4		10		93				<0.2		1.5	
						4.0	0.4	140	22.1		7.8		30.2		93.6		6.9		8.4		11		92				<0.2		1.5	
					Bottom	7.0	0.3	127	22.1	22.1	7.8	7.8	30.2	30.2	97.9	98.0	7.2	7.2	8.5		9		94				<0.2		1.4	
						7.0	0.3	137	22.1		7.8		30.2		98.0		7.2		8.5		10		94				<0.2		1.6	
IM12	Cloudy	Rough	09:33	8.4	Surface	1.0	0.4	117	22.0	22.0	7.8	7.8	30.3	30.3	92.6	92.6	6.8	6.8	5.2	5.9	8	7	88	92	821164	811521	<0.2	<0.2	1.6	1.7
						1.0	0.4	128	22.0		7.8		30.3		92.6		6.8		5.2		6		88				<0.2		1.6	
					Middle	4.2	0.4	132	22.0	22.0	7.8	7.8	30.4	30.4	92.8	92.9	6.8		5.4		7		93				<0.2		1.4	
						4.2	0.4	138	22.0		7.8		30.4		92.9		6.8		5.4		7		93				<0.2		1.4	
					Bottom	7.4	0.6	194	22.1	22.1	7.8	7.8	30.5	30.5	95.4	95.4	7.0	7.0	7.2		7		95				<0.2		2.2	
						7.4	0.7	202	22.1		7.8		30.5		95.4		7.0		7.2		7		94				<0.2		2.1	
SR2	Cloudy	Moderate	09:02	4.8	Surface	1.0	0.3	77	21.8	21.8	7.8	7.8	30.2	30.2	97.5	97.8	7.2	7.2	4.0	4.2	4	4	89	92	821482	814180	<0.2	<0.2	1.5	1.5
						1.0	0.3	84	21.8		7.8		30.2		98.0		7.2		4.0		4		89				<0.2		1.6	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.3	80	21.8	21.8	7.8	7.8	30.3	30.4	102.0	102.6	7.5	7.6	4.4		4		95				<0.2		1.4	
						3.8	0.4	86	21.8		7.8		30.4		103.2		7.6		4.2		4		95				<0.2		1.6	
SR3	Cloudy	Rough	10:12	8.6	Surface	1.0	0.4	172	21.6	21.6	7.9	7.9	30.1	30.1	99.1	99.1	7.3	7.3	5.6	6.9	6	7	-	-	822145	807581	-	-	-	-
						1.0	0.4	185	21.6		7.9		30.1		99.1		7.3		5.6		6		-				-		-	
					Middle	4.3	0.3	180	21.7	21.7	7.9	7.9	30.1	30.1	98.3	98.3	7.3		6.8		7		-				-		-	
						4.3	0.3	180	21.7		7.9		30.1		98.3		7.3		6.8		6		-				-		-	
					Bottom	7.6	0.4	200	22.2	22.2	8.0	8.0	31.2	31.2	99.4	99.4	7.2	7.2	8.2		7		-				-		-	
						7.6	0.5	208	22.2		8.0		31.2		99.4		7.2		8.2		7		-				-		-	
SR4A	Cloudy	Moderate	08:32	7.9	Surface	1.0	0.3	126	24.3	24.3	7.8	7.8	30.5	30.5	97.1	97.1	6.8	6.8	7.1	8.4	10	12	-	-	817197	807813	-	-	-	-
						1.0	0.3	136	24.3		7.8		30.5		97.1		6.8		7.2		11		-				-		-	
					Middle	4.0	0.3	124	24.3	24.3	7.8	7.8	30.4	30.4	97.1	97.1	6.8		7.5		12		-				-		-	
						4.0	0.3	125	24.3		7.8		30.4		97.0		6.8		7.5		10		-				-		-	
					Bottom	6.9	0.3	133	24.4	24.4	7.8	7.8	30.6	30.6	97.2	97.2	6.8	6.8	10.6		13		-				-		-	
						6.9	0.3	144	24.4		7.8		30.6		97.2		6.8		10.6		13		-				-		-	
SR5A	Cloudy	Calm	08:12	3.7	Surface	1.0	0.1	243	24.1	24.1	7.7	7.7	28.4	28.4	93.3	93.3	6.7	6.7	3.2	4.7	5	6	-	-	816577	810693	-	-	-	-
						1.0	0.1	259	24.1		7.7		28.4		93.3		6.7		3.3		5		-				-		-	
					Middle	1.9	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						1.9	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.2	264	24.8	24.8	7.6	7.6	28.8	28.8	96.0	96.1	6.8	6.8	6.2		8		-				-		-	
						2.7	0.2	274	24.8		7.6		28.8		96.1		6.8		6.2		7		-				-		-	
SR6	Cloudy	Moderate	07:48	4.8	Surface	1.0	0.1	119	23.8	23.8	7.7	7.7	27.7	27.7	92.6	92.6	6.7	6.7	4.4	4.8	7	8	-	-	817912	814676	-	-	-	-
						1.0	0.2	125	23.8		7.7		27.6		92.6		6.7		4.3		8		-				-		-	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.2	128	24.1	24.1	7.6	7.6	28.4	28.4	94.0	94.0	6.7	6.7	5.2		8		-				-		-	
						3.8	0.2	136	24.1		7.6		28.4		94.0		6.7		5.1		7		-				-		-	
SR7	Cloudy	Moderate	07:57	18.2	Surface	1.0	0.2	133	22.2	22.2	7.9	7.9	31.0	31.0	92.4	92.4	6.7	6.7	3.3	3.5	7	8	-	-	823640	823758	-	-	-	-
						1.0	0.2	141	22.2		7.9		31.0		92.3		6.7		3.3		6		-				-		-	
					Middle	9.1	0.2	115	22.1	22.1	7.8	7.8	31.1	31.1	92.1	92.1	6.7		3.3		6		-				-		-	
						9.1	0.2	117	22.1		7.8		31.1		92.1		6.7		3.3		7		-				-		-	
					Bottom	17.2	0.2	116	22.2	22.2	7.8	7.8	31.2	31.2	92.4	92.4	6.7	6.7	3.8		10		-				-		-	
						17.2	0.2	125	22.2		7.8		31.2		92.4		6.7		3.7		9		-				-		-	
SR8	Cloudy	Rough	09:24	5.2	Surface	1.0	0.4	134	22.0	22.0	7.9	7.9	30.2	30.2	93.6	93.6	6.9	6.9	6.9	6.2	7	10	-	-	820399	811589	-	-	-	-
						1.0	0.4	137	22.0		7.9		30.2		93.6		6.9		6.9		9		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.4	191	22.0	22.0	7.8	7.8	30.5	30.5	92.7	94.8	6.8	7.0	5.3		12		-				-		-	
						4.2	0.5	201	22.0		7.8		30.5		96.8		7.1		5.8		10		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 26 November 16 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Rainy	Rough	16:31	8.0	Surface	1.0	0.7	141	23.9	24.0	7.9	7.9	31.1	31.1	92.4	92.4	6.5	6.5	6.0	6.6	10	10	87	92	815619	804246	<0.2	<0.2	0.6	0.6
						1.0	0.7	142	24.0		7.9		31.1		92.4		6.5		6.0		8		89				<0.2		0.5	
					Middle	4.0	0.8	121	24.0	24.0	7.9	7.9	31.1	31.1	92.3	92.3	6.5		6.4		11		93				<0.2		0.5	
						4.0	0.9	124	24.0		7.9		31.1		92.2		6.5		6.4		11		94				<0.2		0.6	
					Bottom	7.0	0.8	148	24.0	24.0	7.9	7.9	31.1	31.1	92.0	92.0	6.5	6.5	7.4		11		94				<0.2		0.6	
						7.0	0.8	159	24.0		7.9		31.1		92.0		6.5		7.5		10		94				<0.2		0.6	
C2	Cloudy	Rough	15:21	10.8	Surface	1.0	0.8	178	21.1	21.1	8.0	8.0	31.3	31.3	98.2	98.2	7.3	7.3	4.4	4.8	8	10	84	90	825674	806926	<0.2	<0.2	0.8	0.8
						1.0	0.9	181	21.1		8.0		31.3		98.2		7.3		4.4		8		84				<0.2		0.7	
					Middle	5.4	0.8	189	21.1	21.1	7.9	7.9	31.3	31.3	98.1	98.1	7.3		4.5		11		92				<0.2		0.8	
						5.4	0.8	194	21.1		7.9		31.3		98.1		7.3		4.5		10		91				<0.2		0.8	
					Bottom	9.8	1.3	208	21.2	21.2	7.9	7.9	31.3	31.3	98.2	98.2	7.3	7.3	5.4		11		94				<0.2		0.8	
						9.8	1.3	217	21.2		7.9		31.3		98.2		7.3		5.4		10		94				<0.2		0.7	
C3	Rainy	Moderate	18:02	11.8	Surface	1.0	0.5	257	21.5	21.5	8.0	8.0	31.2	31.2	96.1	96.1	7.1	7.2	8.1	9.2	10	10	88	92	822100	817790	<0.2	<0.2	0.4	0.4
						1.0	0.6	262	21.5		8.0		31.2		96.1		7.1		8.1		10		88				<0.2		0.4	
					Middle	5.9	0.6	273	21.5	21.5	8.0	8.0	31.2	31.2	98.3	98.3	7.2		9.4		10		93				<0.2		0.4	
						5.9	0.6	298	21.5		8.0		31.2		98.3		7.2		9.4		9		93				<0.2		0.3	
					Bottom	10.8	0.6	279	21.5	21.5	7.9	7.9	31.3	31.3	101.1	101.1	7.4	7.4	10.2		10		96				<0.2		0.4	
						10.8	0.6	291	21.5		7.9		31.3		101.1		7.4		10.2		12		95				<0.2		0.4	
IM1	Rainy	Rough	16:08	7.2	Surface	1.0	0.8	166	24.0	24.0	7.9	7.9	31.1	31.1	92.3	92.4	6.5	6.5	6.5	7.5	6	8	88	92	818335	806477	<0.2	<0.2	0.8	0.7
						1.0	0.8	168	24.0		7.9		31.1		92.4		6.5		6.4		7		90				<0.2		0.9	
					Middle	3.6	0.7	146	24.0	24.0	7.9	7.9	31.1	31.1	92.2	92.2	6.5		7.2		9		93				<0.2		0.6	
						3.6	0.7	159	24.0		7.9		31.1		92.2		6.5		7.3		8		93				<0.2		0.5	
					Bottom	6.2	0.8	162	24.0	24.0	7.9	7.9	31.1	31.1	91.8	91.8	6.5	6.5	8.6		10		94				<0.2		0.6	
						6.2	0.8	173	24.0		7.9		31.1		91.8		6.5		8.7		10		95				<0.2		0.6	
IM2	Rainy	Rough	15:59	7.6	Surface	1.0	0.8	192	23.9	23.9	7.9	7.9	31.1	31.1	92.5	92.5	6.5	6.5	5.9	7.1	7	8	85	90	818848	806189	<0.2	<0.2	0.6	0.6
						1.0	0.8	194	23.9		7.9		31.1		92.5		6.5		5.7		8		86				<0.2		0.7	
					Middle	3.8	0.6	166	24.0	24.0	7.9	7.9	31.1	31.1	92.4	92.4	6.5		6.7		7		89				<0.2		0.6	
						3.8	0.6	181	24.0		7.9		31.1		92.4		6.5		6.8		9		91				<0.2		0.6	
					Bottom	6.6	0.6	190	24.0	24.0	7.9	7.9	31.1	31.1	92.3	92.4	6.5	6.5	8.7		8		93				<0.2		0.7	
						6.6	0.6	199	24.0		7.9		31.1		92.4		6.5		8.6		9		94				<0.2		0.6	
IM3	Rainy	Rough	15:52	7.7	Surface	1.0	0.7	201	23.9	23.9	7.9	7.9	31.1	31.1	92.5	92.5	6.5	6.5	6.3	8.7	7	8	87	90	819409	806029	<0.2	<0.2	0.7	0.7
						1.0	0.8	209	23.9		7.9		31.1		92.5		6.5		6.4		9		87				<0.2		0.7	
					Middle	3.9	0.6	186	24.0	24.0	7.9	7.9	31.1	31.1	92.4	92.4	6.5		7.9		6		90				<0.2		0.7	
						3.9	0.7	187	24.0		7.9		31.1		92.4		6.5		8.0		8		90				<0.2		0.8	
					Bottom	6.7	0.8	192	24.0	24.0	7.9	7.9	31.1	31.1	92.2	92.2	6.5	6.5	11.9		10		92				<0.2		0.6	
						6.7	0.8	197	24.0		7.9		31.1		92.2		6.5		11.8		10		93				<0.2		0.6	
IM4	Rainy	Rough	15:45	7.4	Surface	1.0	0.7	186	23.9	23.9	7.9	7.9	31.1	31.1	92.6	92.7	6.5	6.5	5.8	6.5	8	9	88	91	819571	805056	<0.2	<0.2	0.7	0.6
						1.0	0.8	196	23.9		7.9		31.1		92.7		6.5		5.8		9		88				<0.2		0.7	
					Middle	3.7	0.7	194	23.9	24.0	7.9	7.9	31.1	31.1	92.5	92.5	6.5		6.4		8		90				<0.2		0.6	
						3.7	0.8	198	24.0		7.9		31.1		92.4		6.5		6.3		9		91				<0.2		0.6	
					Bottom	6.4	0.6	200	24.0	24.0	7.9	7.9	31.1	31.1	92.3	92.3	6.5	6.5	7.2		10		93				<0.2		0.6	
						6.4	0.7	210	24.0		7.9		31.1		92.3		6.5		7.2		12		93				<0.2		0.6	
IM5	Rainy	Rough	15:39	7.2	Surface	1.0	0.8	193	23.9	23.9	7.9	7.9	31.1	31.1	92.5	92.6	6.5	6.5	6.0	6.5	8	10	86	89	820553	804934	<0.2	<0.2	0.6	0.6
						1.0	0.8	202	23.9		7.9		31.1		92.6		6.5		6.1		8		86				<0.2		0.6	
					Middle	3.6	0.9	192	24.0	24.0	7.9	7.9	31.1	31.1	92.5	92.5	6.5		6.8		11		88				<0.2		0.6	
						3.6	0.9	210	24.0		7.9		31.1		92.5		6.5		6.9		10		89				<0.2		0.7	
					Bottom	6.2	0.7	199	24.0	24.0	7.9	7.9	31.1	31.1	92.3	92.3	6.5	6.5	6.6		11		91				<0.2		0.6	
						6.2	0.7	214	24.0		7.9		31.1		92.3		6.5		6.6		10		91				<0.2		0.6	
IM6	Rainy	Rough	15:32	7.0	Surface	1.0	0.8	214	23.9	23.9	7.9	7.9	31.1	31.1	92.7	92.7	6.5	6.5	6.2	7.0	8	10	87	90	821057	805829	<0.2	<0.2	0.8	0.7
						1.0	0.8	229	23.9		7.9		31.1		92.7		6.5		6.3		8		88				<0.2		0.8	
					Middle	3.5	0.7	187	24.0	24.0	7.9	7.9	31.1	31.1	92.4	92.4	6.5		6.7		8		90				<0.2		0.6	
						3.5	0.8	187	23.9		7.9		31.1		92.4		6.5		6.8		10		90				<0.2		0.6	
					Bottom	6.0	0.7	223	24.0	24.0	7.9	7.9	31.1	31.1	92.4	92.4	6.5	6.5	7.9		12		93				<0.2		0.6	
						6.0	0.7	245	24.0		7.9		31.1		92.4		6.5		7.9		13		94				<0.2		0.6	
IM7	Rainy	Rough	15:25	8.1	Surface	1.0	0.6	208	23.9	23.9	7.9	7.9	31.1	31.1	92.7	92.7	6.5	6.5	6.3	7.7	7	9	87	90	821350	806853	<0.2	<0.2	0.7	0.7
						1.0	0.6	214	23.9		7.9		31.1		92.7		6.5		6.3		6		87				<0.2		0.7	
					Middle	4.1	0.7	198	24.0	24.0	7.9	7.9	31.1	31.1	92.6	92.6	6.5		7.0		9		89				<0.2		0.7	
						4.1	0.7	202	24.0		7.9		31.1		92.6		6.5		7.1		9		90				<0.2		0.7	
					Bottom	7.1	0.6	194	24.0	24.0	7.9	7.9	31.1	31.1	92.6	92.6	6.5	6.5	9.6		11		92				<0.2		0.6	
						7.1	0.6	200	24.0		7.9		31.1		92.6		6.5		9.6		10		93				<0.2		0.6	
IM8	Cloudy	Rough	16:15	7.9	Surface	1.0	0.6	242	20.8	20.8	8.0	8.0	31.2	31.2	99.1	99.1	7.4	7.4	11.9	12.8	16	17	85	90	821708	807842	<0.2	<0.2	0.8	0.8
						1.0	0.7	259	20.8		8.0		31.2		99.1		7.4		11.9		16		85				<0.2		0.7	
					Middle	4.0	0.6	259	20.8	20.8	8.0	8.0	31.2	31.2	98.8	98.8	7.4		12.8		16		92				<0.2		0.8	
						4.0	0.7	281	20.8		8.0		31.2		98.8		7.4		12.8		16		92				<0.2		0.8	
					Bottom	6.9	0.6	251	20.8	20.8	8.0	8.0	31.2	31.2	98.6	98.6	7.3	7.3	13.8		18		94				<0.2		0.8	
						6.9	0.6	264	20.8		8.0		31.2		98.6		7.3		13.8		17		94				<0.2		0.8	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 26 November 16 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Rainy	Rough	16:28	7.0	Surface	1.0	0.6	212	20.4	20.4	8.0	8.0	31.8	31.8	101.7	101.8	7.6	7.6	10.0	11.5	9	12	85	91	822111	808796	<0.2	<0.2	0.6	0.7
						1.0	0.6	213	20.4		8.0		31.8		101.8		7.6		10.1		10		86				<0.2		0.7	
					Middle	3.5	0.5	215	20.5	20.5	8.0	8.0	31.8	31.8	101.4	101.4	7.6		11.0		12		92				<0.2		0.7	
						3.5	0.6	223	20.5		8.0		31.8		101.4		7.6		11.0		14		92				<0.2		0.6	
					Bottom	6.0	0.5	224	20.5	20.5	8.0	8.0	31.9	32.0	102.5	104.5	7.7	7.9	14.1		13		94				<0.2		0.7	
						6.0	0.5	244	20.5		8.0		32.0		106.5		8.0		12.7		13		95				<0.2		0.7	
IM10	Rainy	Rough	16:39	6.7	Surface	1.0	0.7	237	20.4	20.4	8.0	8.0	31.7	31.7	101.4	101.4	7.6	7.6	9.7	13.2	13	13	86	91	822233	809831	<0.2	<0.2	0.7	0.7
						1.0	0.8	241	20.4		8.0		31.7		101.4		7.6		9.7		12		85				<0.2		0.6	
					Middle	3.4	0.7	220	20.4	20.4	8.0	8.0	31.7	31.7	100.7	100.7	7.5		11.0		12		93				<0.2		0.6	
						3.4	0.7	237	20.4		8.0		31.7		100.7		7.5		11.0		13		92				<0.2		0.6	
					Bottom	5.7	0.8	207	20.5	20.5	8.0	8.0	31.9	31.9	100.1	100.1	7.5	7.5	18.8		13		94				<0.2		0.8	
						5.7	0.8	224	20.5		8.0		31.9		100.1		7.5		18.8		13		94				<0.2		0.7	
IM11	Rainy	Rough	16:51	6.2	Surface	1.0	0.5	242	20.4	20.4	8.0	8.0	31.6	31.6	101.3	101.3	7.6	7.6	8.5	9.6	14	15	87	91	821496	810556	<0.2	<0.2	0.6	0.6
						1.0	0.6	264	20.4		8.0		31.6		101.3		7.6		8.5		13		86				<0.2		0.6	
					Middle	3.1	0.5	255	20.4	20.4	8.0	8.0	31.7	31.7	101.3	101.3	7.6		8.9		18		93				<0.2		0.6	
						3.1	0.5	256	20.4		8.0		31.7		101.3		7.6		8.9		16		93				<0.2		0.6	
					Bottom	5.2	0.5	252	20.4	20.4	8.0	8.0	31.7	31.7	100.7	100.7	7.5	7.5	11.4		13		95				<0.2		0.7	
						5.2	0.5	262	20.4		8.0		31.7		100.7		7.5		11.4		13		94				<0.2		0.7	
IM12	Cloudy	Rough	17:03	8.8	Surface	1.0	0.7	256	20.9	20.9	8.0	8.0	31.5	31.5	98.4	98.4	7.3	7.4	7.4	10.6	14	14	87	91	821164	811532	<0.2	<0.2	0.7	0.8
						1.0	0.7	276	20.9		8.0		31.5		98.4		7.3		7.4		16		86				<0.2		0.7	
					Middle	4.4	0.7	270	20.9	20.9	8.0	8.0	31.5	31.5	99.0	99.0	7.4		8.2		15		93				<0.2		0.8	
						4.4	0.7	284	20.9		8.0		31.5		99.0		7.4		8.2		14		93				<0.2		0.7	
					Bottom	7.8	0.7	258	20.6	20.6	8.0	8.0	31.7	31.7	104.2	104.2	7.8	7.8	16.1		13		95				<0.2		0.8	
						7.8	0.7	270	20.6		8.0		31.7		104.2		7.8		16.1		14		94				<0.2		0.8	
SR2	Rainy	Rough	17:35	4.9	Surface	1.0	0.2	188	21.2	21.2	8.0	8.0	31.7	31.7	96.9	96.9	7.2	7.2	17.6	19.7	12	14	87	91	821474	814183	<0.2	<0.2	0.5	0.5
						1.0	0.2	189	21.2		8.0		31.7		96.9		7.2		17.6		11		88				<0.2		0.5	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.2	182	21.2	21.2	7.9	7.9	31.7	31.7	99.8	99.8	7.4	7.4	21.7		17		95				<0.2		0.4	
						3.9	0.2	187	21.2		7.9		31.7		99.8		7.4		21.7		16		95				<0.2		0.5	
SR3	Cloudy	Rough	16:13	8.2	Surface	1.0	0.7	216	20.8	20.8	8.0	8.0	31.2	31.2	99.0	99.0	7.4	7.4	16.8	15.7	14	17	-	-	822156	807558	-	-	-	-
						1.0	0.7	231	20.8		8.0		31.2		99.0		7.4		16.8		14		-				-		-	
					Middle	4.1	0.6	214	20.8	20.8	8.0	8.0	31.2	31.2	98.9	98.9	7.4		14.5		16		-				-		-	
						4.1	0.6	227	20.8		8.0		31.2		98.9		7.4		14.5		16		-				-		-	
					Bottom	7.2	0.7	217	20.8	20.8	8.0	8.0	31.2	31.2	98.6	98.6	7.4	7.4	15.9		23		-				-		-	
						7.2	0.7	231	20.8		8.0		31.2		98.6		7.3		15.7		21		-				-		-	
SR4A	Rainy	Moderate	16:48	6.9	Surface	1.0	0.4	242	24.0	24.0	7.9	7.9	31.1	31.2	92.3	92.3	6.5	6.5	6.7	7.8	10	12	-	-	817200	807811	-	-	-	-
						1.0	0.4	260	24.0		7.9		31.2		92.3		6.5		6.7		10		-				-		-	
					Middle	3.5	0.4	244	24.0	24.0	7.9	7.9	31.1	31.1	92.2	92.2	6.5		8.3		12		-				-		-	
						3.5	0.4	266	24.0		7.9		31.1		92.2		6.5		8.2		13		-				-		-	
					Bottom	5.9	0.3	248	24.0	24.0	7.9	7.9	31.1	31.1	92.0	92.0	6.5	6.5	8.4		15		-				-		-	
						5.9	0.4	267	24.0		7.9		31.1		92.0		6.5		8.4		14		-				-		-	
SR5A	Rainy	Moderate	17:15	3.3	Surface	1.0	0.4	283	24.2	24.2	7.9	7.9	31.6	31.6	94.0	94.0	6.6	6.6	4.2	4.7	8	9	-	-	816573	810710	-	-	-	-
						1.0	0.4	303	24.2		7.9		31.6		94.0		6.6		4.3		10		-				-		-	
					Middle	1.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						1.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.3	0.3	289	24.3	24.3	7.9	7.9	31.6	31.6	94.8	94.8	6.6	6.6	5.1		8		-				-		-	
						2.3	0.3	300	24.3		7.9		31.6		94.8		6.6		5.1		10		-				-		-	
SR6	Rainy	Moderate	17:36	3.7	Surface	1.0	0.2	234	24.2	24.2	7.9	7.9	31.6	31.6	93.2	93.2	6.5	6.5	4.1	4.3	9	9	-	-	817884	814645	-	-	-	-
						1.0	0.2	255	24.2		7.9		31.6		93.2		6.5		4.1		9		-				-		-	
					Middle	1.9	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						1.9	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.2	233	24.3	24.3	7.9	7.9	31.6	31.6	93.3	93.3	6.5	6.5	4.4		9		-				-		-	
						2.7	0.2	238	24.3		7.9		31.6		93.3		6.5		4.5		9		-				-		-	
SR7	Cloudy	Moderate	18:48	18.1	Surface	1.0	0.3	81	21.5	21.5	8.0	8.0	31.6	31.6	96.7	96.7	7.1	7.2	5.7	5.6	5	8	-	-	823625	823748	-	-	-	-
						1.0	0.3	83	21.5		8.0		31.6		96.7		7.1		5.7		6		-				-		-	
					Middle	9.1	0.3	75	21.5	21.5	8.0	8.0	31.6	31.6	97.4	97.4	7.2		5.6		10		-				-		-	
						9.1	0.3	81	21.5		8.0		31.6		97.4		7.2		5.6		10		-				-		-	
					Bottom	17.1	0.5	156	21.5	21.5	7.9	7.9	31.6	31.6	101.5	101.6	7.5	7.5	5.4		10		-				-		-	
						17.1	0.5	171	21.5		7.9		31.6		101.7		7.5		5.5		9		-				-		-	
SR8	Cloudy	Rough	17:17	5.2	Surface	1.0	0.3	252	21.1	21.1	7.9	7.9	31.4	31.4	104.6	104.7	7.8	7.8	7.0	7.2	7	9	-	-	820405	811591	-	-	-	-
						1.0	0.3	265	21.1		7.9		31.4		104.7		7.8		7.0		9		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.3	261	21.0	21.0	7.9	7.9	31.4	31.4	113.0	113.0	8.4	8.4	7.4		10		-				-		-	
						4.2	0.4	278	21.0		7.9		31.4		113.0		8.4		7.4		11		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 26 November 16 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Rainy	Rough	10:30	7.8	Surface	1.0	0.7	219	23.9	23.9	7.9	7.9	30.9	30.9	93.8	93.8	6.6	6.6	6.1	7.6	11	12	85	89	815605	804238	<0.2	<0.2	1.2	1.6
						1.0	0.8	238	23.9		7.9		30.9		93.8		6.6		6.1		11		85				<0.2		1.3	
					Middle	3.9	0.7	213	23.9	23.9	7.8	7.8	30.8	30.8	94.0	94.1	6.6		6.7		12		88				<0.2		1.6	
						3.9	0.8	216	23.9		7.8		30.8		94.1		6.6		6.8		12		88				<0.2		1.8	
					Bottom	6.8	0.6	212	24.0	24.0	7.8	7.8	30.7	30.7	95.1	95.2	6.7	6.7	9.8		11		94				<0.2		1.6	
						6.8	0.7	217	23.9		7.8		30.7		95.3		6.7		10.3		12		93				<0.2		1.8	
C2	Rainy	Rough	12:52	10.5	Surface	1.0	0.7	189	21.1	21.1	8.0	8.0	31.3	31.3	98.6	98.6	7.3	7.3	4.4	5.1	5	7	86	91	825672	806964	<0.2	<0.2	1.3	1.1
						1.0	0.8	206	21.1		8.0		31.3		98.6		7.3		4.4		6		90				<0.2		1.2	
					Middle	5.3	0.8	213	21.1	21.1	8.0	8.0	31.4	31.4	98.4	98.4	7.3		4.9		6		92				<0.2		1.0	
						5.3	0.9	213	21.1		8.0		31.4		98.4		7.3		4.9		8		92				<0.2		1.0	
					Bottom	9.5	1.0	224	21.2	21.2	8.0	8.0	31.4	31.4	98.4	98.4	7.3	7.3	5.9		9		93				<0.2		0.9	
						9.5	1.0	239	21.2		8.0		31.4		98.4		7.3		5.9		8		94				<0.2		0.9	
C3	Rainy	Moderate	10:05	11.9	Surface	1.0	0.9	98	21.6	21.6	8.0	8.0	31.7	31.7	95.0	95.0	7.0	7.0	2.8	3.1	6	7	89	93	822124	817789	<0.2	<0.2	0.6	0.6
						1.0	1.0	106	21.6		8.0		31.7		95.0		7.0		2.7		7		90				<0.2		0.6	
					Middle	6.0	1.1	205	21.6	21.6	8.0	8.0	31.8	31.8	94.9	94.9	6.9		3.2		6		93				<0.2		0.5	
						6.0	1.2	220	21.6		8.0		31.8		94.9		6.9		3.2		5		93				<0.2		0.5	
					Bottom	10.9	1.1	227	21.7	21.7	8.0	8.0	31.9	31.9	95.8	95.8	7.0	7.0	3.2		8		96				<0.2		0.6	
						10.9	1.2	240	21.7		8.0		31.9		95.8		7.0		3.2		7		95				<0.2		0.7	
IM1	Rainy	Rough	10:48	6.6	Surface	1.0	0.7	181	23.9	23.9	7.9	7.9	31.0	31.0	93.3	93.3	6.6	6.6	6.1	6.6	12	13	85	88	818362	806455	<0.2	<0.2	2.4	1.7
						1.0	0.8	187	23.9		7.9		31.0		93.3		6.6		6.2		11		85				<0.2		2.2	
					Middle	3.3	0.8	178	23.9	23.9	7.9	7.9	30.9	30.9	93.3	93.3	6.6		6.4		13		88				<0.2		1.4	
						3.3	0.8	195	23.9		7.9		30.9		93.3		6.6		6.4		14		88				<0.2		1.5	
					Bottom	5.6	0.7	186	23.9	24.0	7.9	7.9	30.9	30.9	93.4	93.4	6.6	6.6	7.4		13		92				<0.2		1.3	
						5.6	0.8	204	24.0		7.9		30.9		93.4		6.6		7.3		15		92				<0.2		1.2	
IM2	Rainy	Rough	10:57	7.8	Surface	1.0	0.6	186	23.9	23.9	7.9	7.9	31.0	31.0	93.1	93.1	6.6	6.6	5.9	7.2	11	19	86	90	818835	806176	<0.2	<0.2	1.3	1.6
						1.0	0.7	201	23.9		7.9		31.0		93.1		6.6		5.9		11		85				<0.2		1.1	
					Middle	3.9	0.7	177	23.9	23.9	7.9	7.9	31.0	31.0	93.2	93.2	6.6		6.6		13		90				<0.2		1.2	
						3.9	0.8	194	23.9		7.9		31.0		93.2		6.6		6.6		15		90				<0.2		1.1	
					Bottom	6.8	0.7	188	24.0	24.0	7.9	7.9	31.0	31.0	93.0	93.0	6.6	6.6	8.9		32		93				<0.2		2.4	
						6.8	0.7	202	24.0		7.9		31.0		93.0		6.6		9.0		32		93				<0.2		2.3	
IM3	Rainy	Rough	11:05	7.7	Surface	1.0	0.8	201	23.9	23.9	7.9	7.9	31.0	31.1	93.2	93.2	6.6	6.6	6.1	6.9	11	17	86	89	819406	806004	<0.2	<0.2	0.9	1.6
						1.0	0.8	212	23.9		7.9		31.1		93.2		6.6		6.1		10		85				<0.2		0.8	
					Middle	3.9	0.6	176	23.9	23.9	7.9	7.9	31.0	31.0	93.0	93.0	6.6		6.8		15		89				<0.2		1.4	
						3.9	0.7	191	23.9		7.9		31.0		92.9		6.6		6.9		14		89				<0.2		1.3	
					Bottom	6.7	0.7	176	23.9	24.0	7.9	7.9	31.0	31.0	92.8	92.8	6.5	6.5	7.6		26		91				<0.2		2.5	
						6.7	0.8	187	24.0		7.9		31.0		92.8		6.5		7.6		24		92				<0.2		2.4	
IM4	Rainy	Rough	11:12	7.6	Surface	1.0	0.7	206	23.9	23.9	7.9	7.9	31.1	31.1	93.0	93.0	6.6	6.6	5.9	6.5	13	14	85	89	819565	805032	<0.2	<0.2	1.4	1.7
						1.0	0.7	212	23.9		7.9		31.1		93.0		6.6		5.9		12		86				<0.2		1.4	
					Middle	3.8	0.8	184	23.9	23.9	7.9	7.9	31.1	31.1	93.0	93.0	6.6		6.3		13		89				<0.2		1.2	
						3.8	0.8	185	23.9		7.9		31.1		92.9		6.6		6.3		12		90				<0.2		1.1	
					Bottom	6.6	0.8	163	23.9	23.9	7.9	7.9	31.0	31.0	92.8	92.8	6.5	6.5	7.2		18		92				<0.2		2.5	
						6.6	0.8	174	23.9		7.9		31.0		92.8		6.5		7.2		18		93				<0.2		2.4	
IM5	Rainy	Rough	11:20	7.1	Surface	1.0	0.7	182	23.9	23.9	7.9	7.9	31.1	31.1	93.1	93.1	6.6	6.6	5.8	7.1	8	10	85	89	820553	804943	<0.2	<0.2	1.3	1.6
						1.0	0.7	189	23.9		7.9		31.1		93.1		6.6		5.8		8		86				<0.2		1.1	
					Middle	3.6	0.6	124	23.9	23.9	7.9	7.9	31.1	31.1	92.8	92.9	6.5		7.3		10		89				<0.2		1.5	
						3.6	0.7	126	23.9		7.9		31.1		92.9		6.5		7.4		11		90				<0.2		1.3	
					Bottom	6.1	0.8	144	24.0	24.0	7.9	7.9	31.0	31.0	92.7	92.7	6.5	6.5	8.2		10		92				<0.2		2.2	
						6.1	0.9	151	23.9		7.9		31.0		92.7		6.5		8.3		11		93				<0.2		2.3	
IM6	Rainy	Rough	11:28	6.8	Surface	1.0	0.6	174	23.9	23.9	7.9	7.9	31.1	31.1	93.0	93.0	6.6	6.5	6.4	8.9	8	9	88	91	821058	805843	<0.2	<0.2	1.5	1.7
						1.0	0.6	186	23.9		7.9		31.1		92.9		6.5		6.4		7		89				<0.2		1.3	
					Middle	3.4	0.6	143	23.9	23.9	7.9	7.9	31.1	31.1	92.9	92.9	6.5		8.0		10		90				<0.2		1.3	
						3.4	0.7	155	23.9		7.9		31.1		92.9		6.5		8.0		10		92				<0.2		1.3	
					Bottom	5.8	0.7	130	24.0	24.0	7.9	7.9	31.1	31.1	92.6	92.6	6.5	6.5	12.3		11		94				<0.2		2.5	
						5.8	0.7	136	23.9		7.9		31.1		92.6		6.5		12.2		10		94				<0.2		2.5	
IM7	Rainy	Rough	11:45	7.8	Surface	1.0	0.6	144	23.9	23.9	7.9	7.9	31.1	31.1	92.9	92.9	6.5	6.5	6.2	7.1	8	9	89	92	821348	806827	<0.2	<0.2	1.0	1.5
						1.0	0.7	150	23.9		7.9		31.1		92.8		6.5		6.2		8		89				<0.2		0.9	
					Middle	3.9	0.9	148	24.0	24.0	7.9	7.9	31.1	31.1	92.8	92.8	6.5		7.1		8		91				<0.2		1.0	
						3.9	0.9	152	24.0		7.9		31.1		92.8		6.5		7.0		10		93				<0.2		1.1	
					Bottom	6.8	0.8	124	24.0	24.0	7.9	7.9	31.1	31.1	92.6	92.6	6.5	6.5	7.9		9		94				<0.2		2.5	
						6.8	0.8	128	24.0		7.9		31.1		92.6		6.5		7.9		9		94				<0.2		2.3	
IM8	Rainy	Rough	12:09	7.8	Surface	1.0	0.8	178	20.7	20.7	8.0	8.0	31.2	31.2	100.4	100.4	7.5	7.5	7.6	7.9	9	11	86	91	821678	807853	<0.2	<0.2	0.7	0.8
						1.0	0.8	180	20.7		8.0		31.2		100.4		7.5		7.6		9		85				<0.2		0.8	
					Middle	3.9	0.7	181	20.7	20.7	8.0	8.0	31.2	31.2	100.1	100.1	7.5		8.3		11		92				<0.2		0.9	
						3.9	0.7	196	20.7		8.0		31.2		100.1		7.5		8.3		13		92				<0.2		0.8	
					Bottom	6.8	0.7	191	20.7	20.7	8.0	8.0	31.2	31.2	104.4	104.4	7.8	7.8	7.9		12		94				<0.2		0.8	
						6.8	0.7	203	20.7		8.0		31.2		104.4		7.8		7.9		14		94				<0.2		0.7	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 26 November 16 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Rainy	Rough	11:55	6.9	Surface	1.0	0.8	167	20.6	20.6	8.0	8.0	31.4	31.4	101.2	101.2	7.6	7.6	10.0	8.8	14	14	86	91	822075	808795	<0.2	<0.2	0.7	0.7
						1.0	0.9	167	20.6		8.0		31.4		101.2		7.6		10.0		14		86				<0.2		0.7	
					Middle	3.5	0.7	161	20.6	20.6	8.0	8.0	31.5	31.5	101.4	101.4	7.6		8.0		14		92				<0.2		0.9	
						3.5	0.7	168	20.6		8.0		31.5		101.4		7.6		8.0		16		92				<0.2		0.9	
					Bottom	5.9	0.7	171	20.6	20.6	8.0	8.0	31.5	31.5	104.3	104.3	7.8	7.8	8.5		14		95				<0.2		0.6	
						5.9	0.8	175	20.6		8.0		31.5		104.3		7.8		8.5		14		94				<0.2		0.6	
IM10	Rainy	Rough	11:38	6.8	Surface	1.0	0.7	138	20.6	20.6	8.0	8.0	31.4	31.4	101.0	101.0	7.6	7.6	12.4	11.2	17	17	87	91	822244	809839	<0.2	<0.2	0.7	0.7
						1.0	0.7	149	20.6		8.0		31.4		101.0		7.6		12.4		15		87				<0.2		0.7	
					Middle	3.4	0.6	143	20.6	20.6	8.0	8.0	31.4	31.4	101.3	101.3	7.6		10.6		16		92				<0.2		0.8	
						3.4	0.6	150	20.6		8.0		31.4		101.2		7.6		10.6		14		92				<0.2		0.8	
					Bottom	5.8	0.6	140	20.6	20.6	8.0	8.0	31.4	31.4	101.3	101.6	7.6	7.6	10.6		19		94				<0.2		0.7	
						5.8	0.6	150	20.6		8.0		31.4		101.9		7.6		10.8		18		95				<0.2		0.6	
IM11	Rainy	Rough	11:21	7.2	Surface	1.0	0.4	119	21.0	21.0	8.0	8.0	31.3	31.3	97.9	97.9	7.3	7.3	10.6	15.5	14	15	87	92	821506	810540	<0.2	<0.2	0.8	0.8
						1.0	0.4	123	21.0		8.0		31.3		97.9		7.3		10.6		12		88				<0.2		0.8	
					Middle	3.6	0.5	111	21.0	21.0	8.0	8.0	31.3	31.3	98.2	98.2	7.3		13.5		14		92				<0.2		0.7	
						3.6	0.5	113	21.0		8.0		31.3		98.2		7.3		13.5		14		93				<0.2		0.7	
					Bottom	6.2	0.5	127	20.9	20.9	8.0	8.0	31.3	31.3	99.0	99.0	7.4	7.4	22.5		18		95				<0.2		0.8	
						6.2	0.5	132	20.9		8.0		31.3		99.0		7.4		22.5		18		94				<0.2		0.7	
IM12	Cloudy	Rough	11:05	9.2	Surface	1.0	0.5	112	21.1	21.1	8.0	8.0	31.3	31.3	96.8	96.9	7.2	7.2	6.7	8.1	10	10	88	92	821168	811510	<0.2	<0.2	0.6	0.7
						1.0	0.5	121	21.1		8.0		31.3		96.9		7.2		6.7		8		88				<0.2		0.7	
					Middle	4.6	0.6	101	21.1	21.1	8.0	8.0	31.3	31.3	97.3	97.3	7.2		6.9		10		93				<0.2		0.7	
						4.6	0.7	107	21.1		8.0		31.3		97.3		7.2		6.9		10		93				<0.2		0.7	
					Bottom	8.2	0.8	110	21.0	21.0	8.0	8.0	31.3	31.3	97.8	97.8	7.3	7.3	10.6		11		95				<0.2		0.7	
						8.2	0.8	113	21.0		8.0		31.3		97.8		7.3		10.5		9		95				<0.2		0.6	
SR2	Rainy	Rough	10:35	5.0	Surface	1.0	0.2	113	21.3	21.3	8.0	8.0	31.1	31.1	97.4	97.7	7.2	7.2	6.3	7.1	9	9	89	92	821482	814175	<0.2	<0.2	0.6	0.6
						1.0	0.2	118	21.3		8.0		31.1		98.0		7.2		6.8		9		89				<0.2		0.6	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.3	116	21.3	21.3	7.9	7.9	31.1	31.1	101.7	101.7	7.5	7.5	7.7		10		95				<0.2		0.6	
						4.0	0.3	116	21.3		7.9		31.1		101.7		7.5		7.7		9		95				<0.2		0.7	
SR3	Cloudy	Rough	12:21	8.5	Surface	1.0	0.8	184	20.7	20.7	8.0	8.0	30.9	30.9	100.7	100.7	7.5	7.5	5.3	5.9	5	9	-	-	822157	807551	-	-	-	-
						1.0	0.9	191	20.7		8.0		30.9		100.7		7.5		5.4		6		-				-		-	
					Middle	4.3	0.8	177	20.7	20.7	8.0	8.0	30.9	30.9	100.7	100.7	7.5		5.8		8		-				-		-	
						4.3	0.8	182	20.7		8.0		30.9		100.7		7.5		5.8		9		-				-		-	
					Bottom	7.5	1.0	211	20.7	20.7	8.0	8.0	31.1	31.1	102.1	102.1	7.6	7.6	6.5		11		-				-		-	
						7.5	1.0	219	20.7		8.0		31.1		102.1		7.6		6.5		13		-				-		-	
SR4A	Rainy	Moderate	09:59	7.9	Surface	1.0	0.5	138	23.4	23.4	7.8	7.8	31.3	31.3	97.6	97.6	6.9	7.0	20.1	22.4	31	33	-	-	817187	807821	-	-	-	-
						1.0	0.5	150	23.4		7.8		31.3		97.6		6.9		20.2		33		-				-		-	
					Middle	4.0	0.4	129	23.3	23.4	7.8	7.8	31.3	31.3	98.8	98.8	7.0		23.3		33		-				-		-	
						4.0	0.4	133	23.4		7.8		31.3		98.7		7.0		23.1		31		-				-		-	
					Bottom	6.9	0.5	133	23.3	23.3	7.8	7.8	31.2	31.2	99.5	99.6	7.1	7.1	23.7		36		-				-		-	
						6.9	0.5	138	23.3		7.8		31.2		99.6		7.1		23.8		35		-				-		-	
SR5A	Rainy	Moderate	09:40	3.3	Surface	1.0	0.3	183	23.2	23.2	7.7	7.7	29.7	29.7	96.9	97.0	7.0	7.0	4.9	5.3	8	9	-	-	816605	810699	-	-	-	-
						1.0	0.3	197	23.2		7.7		29.7		97.0		7.0		4.9		8		-				-		-	
					Middle	1.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						1.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.3	0.2	175	23.4	23.4	7.6	7.6	29.8	29.8	100.3	100.4	7.2	7.2	5.7		10		-				-		-	
						2.3	0.2	186	23.4		7.6		29.8		100.4		7.2		5.6		8		-				-		-	
SR6	Rainy	Moderate	09:27	3.8	Surface	1.0	0.2	119	23.4	23.4	7.7	7.7	29.2	29.2	96.6	96.6	6.9	6.9	4.6	5.5	7	10	-	-	817903	814662	-	-	-	-
						1.0	0.2	130	23.4		7.7		29.2		96.6		6.9		4.7		8		-				-		-	
					Middle	1.9	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						1.9	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.2	128	23.5	23.5	7.7	7.7	28.8	28.8	100.1	100.2	7.2	7.2	6.3		11		-				-		-	
						2.8	0.2	138	23.5		7.6		28.8		100.2		7.2		6.3		12		-				-		-	
SR7	Rainy	Moderate	09:28	18.2	Surface	1.0	0.2	145	21.6	21.6	8.0	8.0	32.1	32.1	94.9	94.9	6.9	6.9	3.2	3.6	6	7	-	-	823623	823747	-	-	-	-
						1.0	0.2	152	21.6		8.0		32.1		94.9		6.9		3.2		7		-				-		-	
					Middle	9.1	0.3	142	21.6	21.6	8.0	8.0	32.1	32.1	94.6	94.6	6.9		3.7		7		-				-		-	
						9.1	0.3	153	21.6		8.0		32.1		94.6		6.9		3.7		7		-				-		-	
					Bottom	17.2	0.4	73	21.7	21.7	8.0	8.0	32.1	32.1	94.5	94.6	6.9	6.9	3.9		7		-				-		-	
						17.2	0.5	73	21.7		8.0		32.1		94.6		6.9		3.9		8		-				-		-	
SR8	Rainy	Rough	10:57	5.1	Surface	1.0	0.3	209	20.9	20.9	8.0	8.0	31.2	31.2	100.1	100.2	7.5	7.5	12.9	12.1	16	17	-	-	820426	811591	-	-	-	-
						1.0	0.3	212	20.9		8.0		31.2		100.3		7.5		11.9		16		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.3	229	20.9	20.9	8.0	8.0	31.2	31.2	105.8	105.8	7.9	7.9	11.7		18		-				-		-	
						4.1	0.3	241	20.9		8.0		31.2		105.8		7.9		11.7		18		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 29 November 16 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Rough	06:36	8.6	Surface	1.0	0.6	105	22.5	22.5	7.9	7.9	31.4	31.4	101.9	101.9	7.4	7.4	17.6	21.7	24	28	84	89	815637	804246	<0.2	<0.2	0.5	0.5
						1.0	0.7	108	22.5		7.9		31.4		101.9		7.4		17.7		25		83				<0.2		0.5	
					Middle	4.3	0.6	107	22.4	22.5	7.9	7.9	31.2	31.2	101.9	101.9	7.4		22.0		26		89				<0.2		0.4	
						4.3	0.6	110	22.5		7.9		31.2		101.9		7.4		22.2		24		89				<0.2		0.4	
					Bottom	7.6	0.6	118	22.4	22.4	7.9	7.9	31.1	31.1	102.3	102.3	7.4	7.4	25.3		32		94				<0.2		0.5	
						7.6	0.6	126	22.4		7.9		31.1		102.3		7.4		25.3		34		94				<0.2		0.5	
C2	Cloudy	Moderate	08:15	12.2	Surface	1.0	0.3	112	19.9	19.9	8.0	8.0	31.3	31.3	99.3	99.3	7.5	7.5	12.0	16.8	12	15	84	90	825689	806949	<0.2	<0.2	0.4	0.4
						1.0	0.3	112	19.9		8.0		31.3		99.3		7.5		12.0		12		84				<0.2		0.4	
					Middle	6.1	0.3	97	19.9	19.9	8.0	8.0	31.4	31.4	98.9	98.9	7.5		19.0		14		92				<0.2		0.4	
						6.1	0.3	105	19.9		8.0		31.4		98.9		7.5		19.0		15		92				<0.2		0.4	
					Bottom	11.2	0.5	173	20.0	20.0	8.0	8.0	31.5	31.5	100.0	100.0	7.6	7.6	19.5		17		94				<0.2		0.4	
						11.2	0.5	187	20.0		8.0		31.5		100.0		7.6		19.5		17		94				<0.2		0.4	
C3	Cloudy	Moderate	06:19	11.9	Surface	1.0	0.4	255	20.7	20.7	8.0	8.0	31.6	31.6	98.4	98.4	7.3	7.4	9.0	14.0	11	16	89	92	822108	817806	<0.2	<0.2	0.4	0.4
						1.0	0.4	269	20.7		8.0		31.6		98.4		7.3		9.0		13		89				<0.2		0.4	
					Middle	6.0	0.5	246	20.7	20.7	8.0	8.0	31.7	31.7	100.0	100.0	7.4		12.5		15		93				<0.2		0.4	
						6.0	0.5	256	20.7		8.0		31.7		100.0		7.4		12.5		17		93				<0.2		0.4	
					Bottom	10.9	0.5	244	20.7	20.7	7.9	7.9	31.9	31.9	105.9	105.9	7.9	7.9	20.6		19		95				<0.2		0.3	
						10.9	0.5	256	20.7		7.9		31.9		105.9		7.9		20.6		18		95				<0.2		0.4	
IM1	Cloudy	Rough	07:09	8.0	Surface	1.0	0.6	104	22.4	22.4	8.0	8.0	31.5	31.5	101.5	101.5	7.3	7.3	16.5	18.2	18	30	84	89	818339	806453	<0.2	<0.2	0.4	0.4
						1.0	0.6	105	22.4		8.0		31.5		101.5		7.3		16.6		20		85				<0.2		0.4	
					Middle	4.0	0.5	121	22.4	22.4	7.9	7.9	31.5	31.5	101.2	101.2	7.3		18.6		33		88				<0.2		0.4	
						4.0	0.6	125	22.4		7.9		31.5		101.2		7.3		18.6		35		90				<0.2		0.4	
					Bottom	7.0	0.5	158	22.4	22.4	7.9	7.9	31.4	31.5	101.0	101.0	7.3	7.3	19.3		37		93				<0.2		0.4	
						7.0	0.5	164	22.4		7.9		31.5		101.0		7.3		19.3		38		92				<0.2		0.4	
IM2	Cloudy	Rough	07:19	8.5	Surface	1.0	0.7	113	22.5	22.5	7.9	7.9	31.6	31.6	101.8	101.8	7.3	7.3	19.1	23.4	26	**40**	85	90	818871	806200	<0.2	<0.2	0.3	0.4
						1.0	0.7	121	22.5		7.9		31.6		101.7		7.3		19.0		27		86				<0.2		0.3	
					Middle	4.3	0.6	149	22.5	22.5	7.9	7.9	31.5	31.5	101.7	101.7	7.3		24.2		45		90				<0.2		0.4	
						4.3	0.6	150	22.5		7.9		31.5		101.7		7.3		24.2		47		90				<0.2		0.4	
					Bottom	7.5	0.6	122	22.5	22.5	7.9	7.9	31.4	31.4	102.0	102.0	7.4	7.4	26.9		47		94				<0.2		0.4	
						7.5	0.6	124	22.5		7.9		31.4		102.0		7.4		26.9		47		93				<0.2		0.5	
IM3	Cloudy	Rough	07:26	8.9	Surface	1.0	0.6	129	22.4	22.5	7.9	7.9	31.6	31.6	101.7	101.8	7.3	7.3	19.4	21.6	36	**39**	84	90	819406	806013	<0.2	<0.2	0.5	0.4
						1.0	0.6	133	22.5		7.9		31.6		101.8		7.4		19.3		37		85				<0.2		0.5	
					Middle	4.5	0.6	129	22.5	22.5	7.9	7.9	31.6	31.6	101.6	101.7	7.3		20.4		38		90				<0.2		0.4	
						4.5	0.6	130	22.4		7.9		31.6		101.7		7.3		21.3		39		91				<0.2		0.4	
					Bottom	7.9	0.5	120	22.4	22.4	7.9	7.9	31.5	31.5	102.0	102.0	7.4	7.4	24.7		40		94				<0.2		0.4	
						7.9	0.5	121	22.4		7.9		31.5		102.0		7.4		24.7		41		93				<0.2		0.4	
IM4	Cloudy	Rough	07:35	8.4	Surface	1.0	0.5	157	22.6	22.6	7.9	7.9	31.6	31.6	102.4	102.4	7.4	7.4	21.0	22.8	34	35	84	89	819552	805035	<0.2	<0.2	0.4	0.5
						1.0	0.5	166	22.6		7.9		31.6		102.4		7.4		21.1		33		83				<0.2		0.4	
					Middle	4.2	0.6	155	22.6	22.6	7.9	7.9	31.5	31.5	102.5	102.6	7.4		21.1		34		90				<0.2		0.4	
						4.2	0.6	161	22.6		7.9		31.5		102.6		7.4		21.2		35		89				<0.2		0.5	
					Bottom	7.4	0.5	149	22.5	22.5	7.9	7.9	31.0	31.0	105.7	105.7	7.6	7.6	26.2		36		92				<0.2		0.5	
						7.4	0.5	158	22.5		7.9		31.0		105.7		7.6		26.2		37		93				<0.2		0.5	
IM5	Cloudy	Rough	07:42	7.2	Surface	1.0	0.7	144	22.5	22.5	7.9	7.9	31.5	31.5	102.7	102.7	7.4	7.5	16.5	18.9	28	32	85	89	820562	804927	<0.2	<0.2	0.5	0.5
						1.0	0.7	157	22.5		7.9		31.5		102.7		7.4		16.6		28		85				<0.2		0.5	
					Middle	3.6	0.6	152	22.4	22.4	7.9	7.9	31.3	31.3	103.7	103.7	7.5		21.9		30		90				<0.2		0.5	
						3.6	0.6	165	22.4		7.9		31.3		103.7		7.5		21.8		32		89				<0.2		0.6	
					Bottom	6.2	0.5	154	22.5	22.5	7.9	7.9	31.1	31.1	105.0	105.0	7.6	7.6	18.3		38		93				<0.2		0.4	
						6.2	0.5	158	22.5		7.9		31.1		105.0		7.6		18.3		37		94				<0.2		0.4	
IM6	Cloudy	Rough	07:49	7.1	Surface	1.0	0.6	118	22.3	22.3	7.9	7.9	31.5	31.5	102.9	102.9	7.5	7.5	19.4	22.0	24	31	84	89	821041	805837	<0.2	<0.2	0.4	0.4
						1.0	0.6	129	22.3		7.9		31.5		102.9		7.5		19.4		24		84				<0.2		0.4	
					Middle	3.6	0.5	86	22.3	22.3	7.9	7.9	31.4	31.4	103.6	103.7	7.5		23.9		33		90				<0.2		0.4	
						3.6	0.5	93	22.3		7.9		31.4		103.7		7.5		24.2		33		90				<0.2		0.4	
					Bottom	6.1	0.5	112	22.3	22.3	7.9	7.9	31.0	31.0	105.8	105.8	7.7	7.7	22.6		35		93				<0.2		0.4	
						6.1	0.5	113	22.3		7.9		31.0		105.8		7.7		22.6		34		94				<0.2		0.3	
IM7	Cloudy	Rough	07:57	8.6	Surface	1.0	0.4	82	22.3	22.3	7.9	7.9	31.5	31.5	102.6	102.6	7.4	7.4	17.4	20.5	29	31	85	89	821329	806816	<0.2	<0.2	0.5	0.4
						1.0	0.5	82	22.3		7.9		31.5		102.6		7.4		17.5		30		85				<0.2		0.4	
					Middle	4.3	0.4	98	22.3	22.3	7.9	7.9	31.4	31.4	102.6	102.7	7.4		20.9		31		90				<0.2		0.4	
						4.3	0.4	98	22.3		7.9		31.4		102.7		7.4		21.1		30		89				<0.2		0.3	
					Bottom	7.6	0.3	116	22.3	22.3	7.9	7.9	31.2	31.2	104.0	104.0	7.5	7.5	23.1		31		93				<0.2		0.5	
						7.6	0.3	127	22.3		7.9		31.2		104.0		7.5		23.1		32		93				<0.2		0.5	
IM8	Cloudy	Moderate	07:37	8.0	Surface	1.0	0.5	94	19.6	19.6	8.0	8.0	32.0	32.0	101.3	101.3	7.7	7.7	14.1	17.2	17	20	84	90	821685	807829	<0.2	<0.2	0.4	0.5
						1.0	0.5	100	19.6		8.0		32.0		101.3		7.7		14.1		17		85				<0.2		0.4	
					Middle	4.0	0.4	129	19.6	19.6	8.0	8.0	32.0	32.0	101.4	101.4	7.7		15.7		18		92				<0.2		0.6	
						4.0	0.5	129	19.6		8.0		32.0		101.4		7.7		15.7		19		92				<0.2		0.6	
					Bottom	7.0	0.4	129	19.6	19.6	8.0	8.0	32.0	32.0	101.4	101.4	7.7	7.7	21.8		23		94				<0.2		0.5	
						7.0	0.5	130	19.6		8.0		32.0		101.4		7.7		21.8		25		95				<0.2		0.6	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 29 November 16 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	07:28	7.9	Surface	1.0	0.4	136	19.7	19.7	8.0	8.0	32.1	32.1	102.2	102.2	7.7	7.7	8.5	9.3	9	12	89	91	822108	808802	<0.2	<0.2	0.4	0.4
						1.0	0.4	137	19.7		8.0		32.1		102.2		7.7		8.5		9		84				<0.2		0.4	
					Middle	4.0	0.4	139	19.7	19.7	8.0	8.0	32.1	32.1	102.1	102.1	7.7		9.0		14		92				<0.2		0.4	
						4.0	0.4	148	19.7		8.0		32.1		102.1		7.7		9.0		12		93				<0.2		0.4	
					Bottom	6.9	0.4	142	19.7	19.8	8.0	8.0	32.1	32.1	102.5	103.0	7.8	7.8	10.6		14		95				<0.2		0.5	
						6.9	0.4	143	19.8		8.0		32.1		103.5		7.8		10.4		12		94				<0.2		0.5	
IM10	Cloudy	Moderate	07:20	7.7	Surface	1.0	0.3	203	20.0	20.0	8.0	8.0	32.2	32.2	102.0	102.0	7.7	7.7	11.4	17.5	16	18	86	91	822222	809828	<0.2	<0.2	0.4	0.5
						1.0	0.4	203	20.0		8.0		32.2		102.0		7.7		11.4		16		85				<0.2		0.5	
					Middle	3.9	0.4	201	20.0	20.0	8.0	8.0	32.1	32.1	101.5	101.5	7.6		16.2		18		93				<0.2		0.5	
						3.9	0.4	213	20.0		8.0		32.1		101.5		7.6		16.2		18		92				<0.2		0.5	
					Bottom	6.7	0.4	182	20.0	20.0	8.0	8.0	32.0	32.0	104.8	104.8	7.9	7.9	24.9		20		94				<0.2		0.4	
						6.7	0.4	198	20.0		8.0		32.0		104.8		7.9		24.9		18		94				<0.2		0.5	
IM11	Cloudy	Moderate	07:12	7.9	Surface	1.0	0.4	271	19.9	19.9	8.0	8.0	32.1	32.1	101.1	101.1	7.6	7.7	12.0	13.6	16	18	87	91	821510	810550	<0.2	<0.2	0.6	0.6
						1.0	0.4	275	19.9		8.0		32.1		101.1		7.6		12.0		17		86				<0.2		0.5	
					Middle	4.0	0.4	270	19.9	19.9	8.0	8.0	32.1	32.1	101.8	101.8	7.7		13.6		19		93				<0.2		0.7	
						4.0	0.4	276	19.9		8.0		32.1		101.8		7.7		13.6		18		92				<0.2		0.6	
					Bottom	6.9	0.3	258	19.9	19.9	7.9	7.9	32.0	32.0	103.4	103.4	7.8	7.8	15.1		20		94				<0.2		0.5	
						6.9	0.3	260	19.9		7.9		32.0		103.4		7.8		15.1		19		95				<0.2		0.5	
IM12	Cloudy	Moderate	07:05	8.6	Surface	1.0	0.6	264	19.9	19.9	8.0	8.0	32.0	32.0	100.4	100.4	7.6	7.6	10.3	12.9	12	13	88	92	821162	811520	<0.2	<0.2	0.6	0.6
						1.0	0.6	282	19.9		8.0		32.0		100.4		7.6		10.3		12		88				<0.2		0.7	
					Middle	4.3	0.6	257	19.9	19.9	8.0	8.0	32.0	32.0	100.3	100.3	7.6		11.9		13		93				<0.2		0.6	
						4.3	0.6	257	19.9		8.0		32.0		100.3		7.6		11.9		13		92				<0.2		0.6	
					Bottom	7.6	0.5	254	20.0	20.0	8.0	8.0	32.1	32.1	101.2	101.2	7.6	7.6	16.5		14		95				<0.2		0.5	
						7.6	0.5	259	20.0		8.0		32.1		101.2		7.6		16.5		15		95				<0.2		0.5	
SR2	Cloudy	Moderate	06:44	5.0	Surface	1.0	0.2	165	20.0	20.0	7.9	7.9	32.1	32.1	102.6	102.6	7.7	7.7	9.6	10.1	12	13	89	92	821443	814162	<0.2	<0.2	0.4	0.5
						1.0	0.3	175	20.0		7.9		32.1		102.6		7.7		9.6		14		89				<0.2		0.5	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.2	169	20.0	20.0	7.9	7.9	32.2	32.2	106.1	106.1	8.0	8.0	10.5		13		95				<0.2		0.5	
						4.0	0.3	182	20.0		7.9		32.2		106.1		8.0		10.5		13		95				<0.2		0.5	
SR3	Cloudy	Moderate	07:44	9.2	Surface	1.0	0.3	164	19.7	19.7	8.0	8.0	32.0	32.0	101.2	101.2	7.7	7.7	15.7	19.2	18	21	-	-	822155	807579	-	-	-	-
						1.0	0.3	174	19.7		8.0		32.0		101.2		7.7		15.7		18		-				-		-	
					Middle	4.6	0.3	153	19.7	19.7	8.0	8.0	32.0	32.0	101.3	101.3	7.7		19.5		20		-				-		-	
						4.6	0.4	156	19.7		8.0		32.0		101.3		7.7		19.5		22		-				-		-	
					Bottom	8.2	0.4	208	19.7	19.7	8.0	8.0	32.0	32.0	102.0	102.0	7.7	7.7	22.5		23		-				-		-	
						8.2	0.4	223	19.7		8.0		32.0		102.0		7.7		22.5		22		-				-		-	
SR4A	Cloudy	Moderate	06:26	8.0	Surface	1.0	0.3	169	22.2	22.2	7.9	7.9	30.2	30.2	99.8	99.9	7.3	7.4	8.3	9.3	14	14	-	-	817205	807827	-	-	-	-
						1.0	0.3	179	22.2		7.9		30.2		99.9		7.3		8.2		12		-				-		-	
					Middle	4.0	0.3	142	22.2	22.2	7.8	7.8	30.1	30.1	101.3	101.3	7.4		9.3		14		-				-		-	
						4.0	0.3	148	22.2		7.8		30.1		101.3		7.4		9.3		12		-				-		-	
					Bottom	7.0	0.3	132	22.1	22.1	7.7	7.7	29.9	29.9	103.8	103.9	7.6	7.6	10.2		14		-				-		-	
						7.0	0.3	140	22.1		7.7		29.9		103.9		7.6		10.2		15		-				-		-	
SR5A	Cloudy	Moderate	06:08	3.5	Surface	1.0	0.1	292	22.2	22.2	7.9	7.9	30.5	30.5	96.9	96.9	7.1	7.1	5.1	5.3	9	12	-	-	816590	810710	-	-	-	-
						1.0	0.1	312	22.2		7.9		30.5		96.9		7.1		5.1		10		-				-		-	
					Middle	1.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						1.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	0.1	258	22.3	22.3	7.9	7.9	30.5	30.5	97.1	97.1	7.1	7.1	5.5		13		-				-		-	
						2.5	0.1	262	22.3		7.9		30.5		97.1		7.1		5.5		15		-				-		-	
SR6	Cloudy	Moderate	05:52	4.4	Surface	1.0	0.1	297	22.3	22.3	7.9	7.9	30.4	30.4	98.2	98.2	7.2	7.2	5.9	6.0	8	10	-	-	817881	814679	-	-	-	-
						1.0	0.1	305	22.3		7.9		30.4		98.1		7.2		5.9		8		-				-		-	
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.2	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.1	252	22.3	22.3	7.9	7.9	30.4	30.4	98.6	98.6	7.2	7.2	6.1		11		-				-		-	
						3.4	0.1	257	22.3		7.9		30.4		98.6		7.2		6.1		13		-				-		-	
SR7	Cloudy	Moderate	05:51	18.1	Surface	1.0	0.3	123	20.7	20.7	7.9	7.9	31.7	31.7	98.2	98.2	7.3	7.4	11.5	8.5	9	11	-	-	823619	823749	-	-	-	-
						1.0	0.3	127	20.7		7.9		31.7		98.2		7.3		11.5		8		-				-		-	
					Middle	9.1	0.2	110	20.7	20.7	7.9	7.9	31.7	31.7	98.8	98.8	7.4		7.1		10		-				-		-	
						9.1	0.2	111	20.7		7.9		31.7		98.8		7.4		7.1		12		-				-		-	
					Bottom	17.1	0.3	178	20.7	20.7	7.9	7.9	31.9	31.9	101.1	101.1	7.5	7.5	6.9		12		-				-		-	
						17.1	0.3	179	20.7		7.9		31.9		101.1		7.5		6.9		14		-				-		-	
SR8	Cloudy	Moderate	06:59	5.2	Surface	1.0	0.3	195	19.9	19.9	7.9	7.9	32.1	32.1	104.5	104.5	7.9	7.9	9.8	9.9	11	12	-	-	820418	811603	-	-	-	-
						1.0	0.4	205	19.9		7.9		32.1		104.5		7.9		9.8		11		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.3	183	19.9	19.9	7.9	7.9	32.2	32.2	107.4	107.4	8.1	8.1	10.0		12		-				-		-	
						4.2	0.3	183	19.9		7.9		32.2		107.4		8.1		10.0		12		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 29 November 16 during Mid-Ebb tide

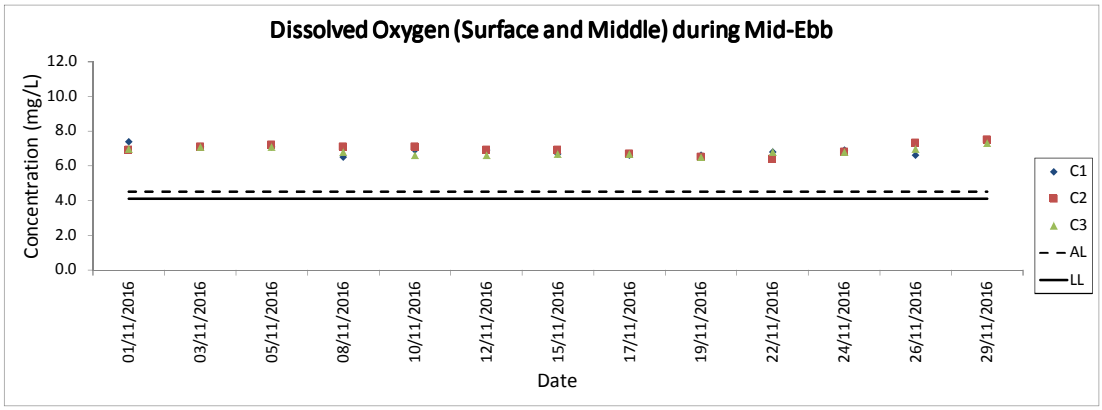
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Rough	12:32	8.2	Surface	1.0	0.7	173	23.0	23.0	8.0	8.0	31.4	31.4	102.9	102.9	7.4	7.4	13.3	13.8	20	23	84	89	815609	804246	<0.2	<0.2	0.4	0.4
						1.0	0.7	182	23.0		8.0		31.4		102.9		7.4		13.3		22		85				<0.2		0.4	
					Middle	4.1	0.8	157	23.0	23.0	7.9	7.9	31.1	31.1	103.7	103.8	7.4		13.6		21		89				<0.2		0.4	
						4.1	0.9	169	23.0		7.9		31.1		103.8		7.4		13.7		22		90				<0.2		0.4	
					Bottom	7.2	0.8	166	23.0	23.0	7.9	7.9	30.9	30.9	105.7	105.7	7.6	7.6	14.4		24		93				<0.2		0.4	
						7.2	0.9	167	23.0		7.9		30.9		105.7		7.6		14.4		26		94				<0.2		0.4	
C2	Cloudy	Moderate	11:20	12.7	Surface	1.0	0.5	92	19.9	19.9	8.0	8.0	31.7	31.7	99.3	99.3	7.5	7.5	12.7	15.0	18	19	83	90	825688	806961	<0.2	<0.2	0.6	0.7
						1.0	0.5	97	19.9		8.0		31.7		99.3		7.5		12.7		18		83				<0.2		0.7	
					Middle	6.4	0.5	88	20.0	20.0	8.0	8.0	31.8	31.8	99.1	99.1	7.5		17.0		18		92				<0.2		0.6	
						6.4	0.5	93	20.0		8.0		31.8		99.1		7.5		17.0		18		92				<0.2		0.6	
					Bottom	11.7	0.5	103	20.0	20.0	8.0	8.0	32.0	32.0	98.9	98.9	7.5	7.5	15.3		21		94				<0.2		0.7	
						11.7	0.5	107	20.0		8.0		32.0		98.9		7.5		15.3		22		93				<0.2		0.7	
C3	Cloudy	Moderate	13:16	13.0	Surface	1.0	0.4	97	20.7	20.7	8.1	8.1	32.1	32.1	98.0	98.0	7.3	7.3	3.5	3.9	5	7	89	92	822101	817798	<0.2	<0.2	0.4	0.4
						1.0	0.4	100	20.7		8.1		32.1		98.0		7.3		3.5		6		89				<0.2		0.4	
					Middle	6.5	0.3	88	20.7	20.7	8.1	8.1	32.0	32.0	98.0	98.0	7.3		3.8		6		93				<0.2		0.4	
						6.5	0.4	95	20.7		8.1		32.0		98.0		7.3		3.8		8		93				<0.2		0.4	
					Bottom	12.0	0.4	100	20.7	20.7	8.1	8.1	32.0	32.0	98.9	98.9	7.4	7.4	4.3		7		95				<0.2		0.4	
						12.0	0.4	101	20.7		8.1		32.0		98.9		7.4		4.3		8		95				<0.2		0.4	
IM1	Cloudy	Rough	12:09	8.0	Surface	1.0	0.5	140	22.8	22.8	8.0	8.0	31.5	31.5	102.9	102.9	7.4	7.4	16.1	16.5	23	25	85	88	818341	806475	<0.2	<0.2	0.4	0.4
						1.0	0.6	145	22.8		8.0		31.5		102.9		7.4		16.1		22		84				<0.2		0.3	
					Middle	4.0	0.6	139	22.8	22.8	7.9	7.9	31.4	31.4	103.3	103.3	7.4		16.8		23		88				<0.2		0.4	
						4.0	0.7	152	22.8		7.9		31.4		103.3		7.4		16.8		25		89				<0.2		0.4	
					Bottom	7.0	0.6	144	22.7	22.7	7.9	7.9	31.2	31.2	104.4	104.4	7.5	7.5	16.6		28		91				<0.2		0.4	
						7.0	0.6	150	22.7		7.9		31.2		104.4		7.5		16.6		28		93				<0.2		0.4	
IM2	Cloudy	Rough	12:04	8.5	Surface	1.0	0.7	135	22.9	22.9	8.0	8.0	31.5	31.5	102.6	102.7	7.4	7.4	16.4	19.5	25	32	85	89	818864	806181	<0.2	<0.2	0.4	0.4
						1.0	0.7	142	22.9		8.0		31.5		102.7		7.4		16.5		25		85				<0.2		0.4	
					Middle	4.3	0.7	132	22.9	22.9	8.0	8.0	31.4	31.4	103.4	103.4	7.4		18.4		27		90				<0.2		0.3	
						4.3	0.7	141	22.9		8.0		31.4		103.3		7.4		18.4		27		89				<0.2		0.3	
					Bottom	7.5	0.7	159	22.9	22.9	7.9	7.9	31.0	31.0	105.9	105.9	7.6	7.6	23.7		42		91				<0.2		0.4	
						7.5	0.8	171	22.9		7.9		31.0		105.9		7.6		23.7		44		92				<0.2		0.4	
IM3	Cloudy	Rough	11:57	9.0	Surface	1.0	0.6	147	22.8	22.8	8.0	8.0	31.4	31.4	102.7	102.8	7.4	7.4	17.4	19.0	27	29	86	90	819426	806035	<0.2	<0.2	0.4	0.4
						1.0	0.6	148	22.8		8.0		31.4		102.8		7.4		17.5		27		87				<0.2		0.4	
					Middle	4.5	0.6	146	22.8	22.8	8.0	8.0	31.4	31.4	103.0	103.0	7.4		18.8		32		92				<0.2		0.4	
						4.5	0.6	151	22.8		8.0		31.4		103.0		7.4		18.8		30		90				<0.2		0.4	
					Bottom	8.0	0.7	149	22.8	22.8	7.9	7.9	31.2	31.2	104.0	104.1	7.5	7.5	20.6		30		94				<0.2		0.4	
						8.0	0.7	151	22.8		7.9		31.2		104.1		7.5		20.6		30		93				<0.2		0.4	
IM4	Cloudy	Rough	11:50	8.3	Surface	1.0	0.4	141	22.8	22.8	8.0	8.0	31.4	31.4	102.9	102.9	7.4	7.4	18.6	21.2	30	34	88	90	819556	805028	<0.2	<0.2	0.4	0.4
						1.0	0.5	148	22.8		8.0		31.4		102.9		7.4		18.6		30		86				<0.2		0.4	
					Middle	4.2	0.4	154	22.8	22.8	7.9	7.9	31.3	31.3	103.5	103.5	7.4		19.7		33		90				<0.2		0.4	
						4.2	0.5	168	22.8		7.9		31.3		103.5		7.4		19.5		33		89				<0.2		0.4	
					Bottom	7.3	0.4	168	22.8	22.8	7.9	7.9	31.0	31.0	105.6	105.6	7.6	7.6	25.4		37		92				<0.2		0.4	
						7.3	0.4	179	22.8		7.9		31.0		105.6		7.6		25.4		38		93				<0.2		0.4	
IM5	Cloudy	Rough	11:43	7.2	Surface	1.0	0.5	138	22.6	22.6	8.0	8.0	31.4	31.4	102.9	102.9	7.4	7.4	19.5	21.4	28	29	85	90	820573	804924	<0.2	<0.2	0.4	0.4
						1.0	0.5	144	22.6		8.0		31.4		102.9		7.4		19.6		28		86				<0.2		0.4	
					Middle	3.6	0.5	141	22.6	22.6	7.9	7.9	31.3	31.3	103.2	103.2	7.4		21.8		28		90				<0.2		0.4	
						3.6	0.5	153	22.6		7.9		31.3		103.2		7.4		21.7		27		90				<0.2		0.3	
					Bottom	6.2	0.4	136	22.6	22.6	7.9	7.9	31.1	31.1	104.8	104.8	7.6	7.6	23.0		31		93				<0.2		0.5	
						6.2	0.5	138	22.6		7.9		31.1		104.8		7.6		23.0		30		93				<0.2		0.5	
IM6	Cloudy	Rough	11:35	7.3	Surface	1.0	0.4	104	22.5	22.5	8.0	8.0	31.5	31.5	102.3	102.3	7.4	7.4	16.2	20.4	22	28	86	89	821047	805845	<0.2	<0.2	0.4	0.4
						1.0	0.4	107	22.5		8.0		31.5		102.2		7.4		16.3		20		87				<0.2		0.4	
					Middle	3.7	0.4	123	22.5	22.5	7.9	7.9	31.4	31.4	102.2	102.2	7.4		21.4		32		87				<0.2		0.4	
						3.7	0.4	130	22.5		7.9		31.4		102.2		7.4		21.6		31		88				<0.2		0.4	
					Bottom	6.3	0.4	109	22.5	22.5	7.9	7.9	31.2	31.2	102.8	102.8	7.4	7.4	23.6		32		93				<0.2		0.4	
						6.3	0.4	119	22.5		7.9		31.2		102.8		7.4		23.4		32		92				<0.2		0.4	
IM7	Cloudy	Rough	11:20	8.9	Surface	1.0	0.4	79	22.3	22.3	8.0	8.0	31.7	31.7	102.0	102.0	7.4	7.4	18.1	19.7	23	27	87	91	821356	806852	<0.2	<0.2	0.5	0.5
						1.0	0.5	81	22.3		8.0		31.7		101.9		7.4		18.2		25		86				<0.2		0.5	
					Middle	4.5	0.4	89	22.3	22.3	7.9	7.9	31.6	31.6	101.7	101.7	7.4		21.3		28		90				<0.2		0.5	
						4.5	0.4	95	22.3		7.9		31.6		101.7		7.4		21.3		29		91				<0.2		0.4	
					Bottom	7.9	0.4	102	22.3	22.3	7.9	7.9	31.6	31.6	101.8	101.8	7.4	7.4	19.7		29		94				<0.2		0.5	
						7.9	0.4	107	22.3		7.9		31.6		101.8		7.4		19.7		30		95				<0.2		0.6	
IM8	Cloudy	Moderate	11:59	8.2	Surface	1.0	0.4	112	19.7	19.7	8.1	8.1	32.3	32.3	103.8	103.8	7.9	7.9	14.8	17.4	19	23	83	90	821682	807827	<0.2	<0.2	0.5	0.5
						1.0	0.4	117	19.7		8.1		32.3		103.8		7.9		14.8		20		84				<0.2		0.4	
					Middle	4.1	0.4	115	19.7	19.7	8.1	8.1	32.3	32.3	103.8	103.8	7.8		17.3		24		92				<0.2		0.5	
						4.1	0.4	117	19.7		8.1		32.3		103.8		7.8		17.3		24		92				<0.2		0.5	
					Bottom	7.2	0.4	135	19.6	19.6	8.1	8.1	32.3	32.3	104.8	104.8	7.9	7.9	20.2		24		94				<0.2		0.6	
						7.2	0.4	146	19.6		8.1		32.3		104.8		7.9		20.2		24		94				<0.2		0.7	

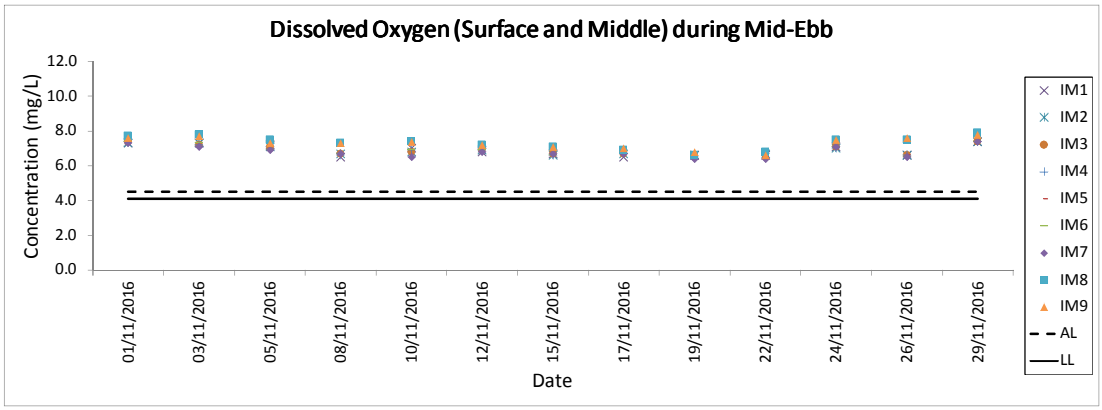
DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

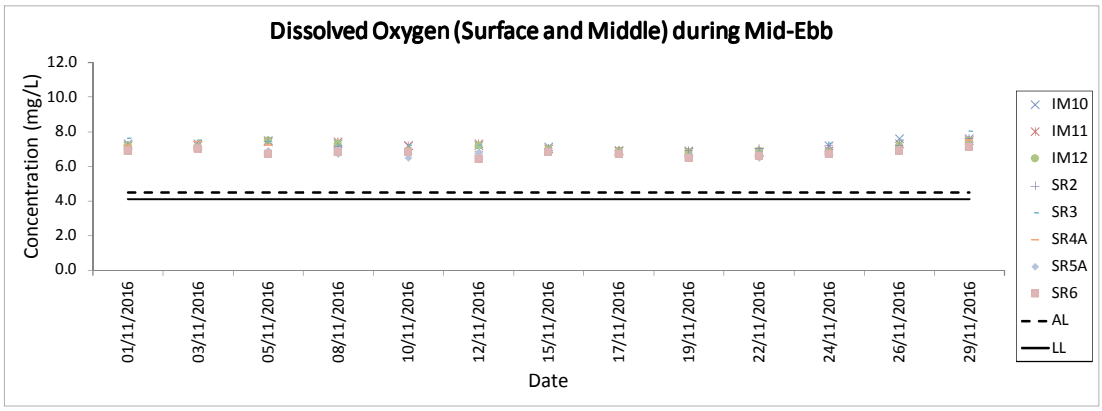
Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 29 November 16 during Mid-Ebb tide

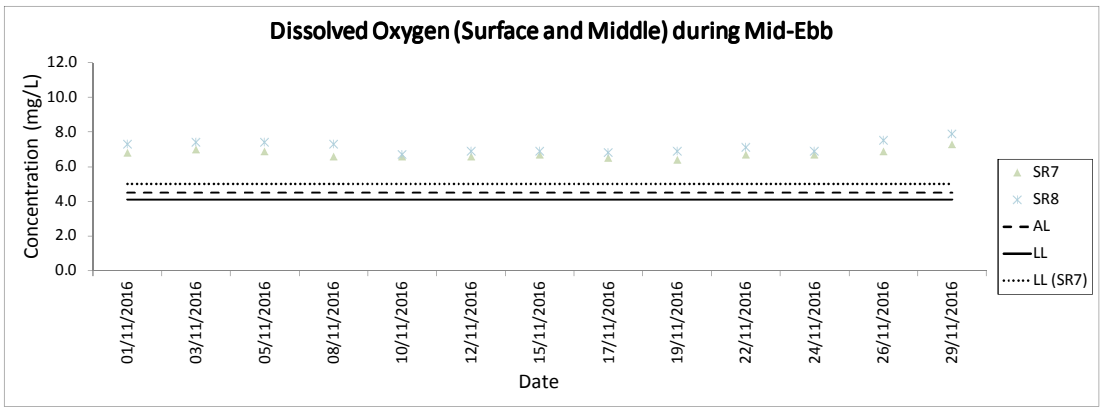
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	12:07	7.6	Surface	1.0	0.5	126	19.5	19.5	8.1	8.1	32.2	32.2	103.0	103.0	7.8	7.8	12.8	14.9	14	16	85	90	822076	808813	<0.2	<0.2	0.5	0.5
						1.0	0.5	131	19.5		8.1		32.2		103.0		7.8		12.8		15		84				<0.2		0.4	
					Middle	3.8	0.4	129	19.5	19.5	8.1	8.1	32.2	32.2	103.0	103.0	7.8		12.6		15		92				<0.2		0.5	
						3.8	0.4	131	19.5		8.1		32.2		103.0		7.8		12.6		17		93				<0.2		0.5	
					Bottom	6.6	0.4	128	19.5	19.5	8.1	8.1	32.2	32.2	104.6	104.6	7.9	7.9	19.2		17		94				<0.2		0.6	
						6.6	0.5	131	19.5		8.1		32.2		104.6		7.9		19.2		17		94				<0.2		0.6	
IM10	Cloudy	Moderate	12:15	7.4	Surface	1.0	0.4	117	19.9	19.9	8.0	8.0	32.0	32.0	100.8	100.8	7.6	7.6	8.7	11.8	11	12	85	91	822234	809830	<0.2	<0.2	0.6	0.6
						1.0	0.4	120	19.9		8.0		32.0		100.8		7.6		8.7		10		86				<0.2		0.6	
					Middle	3.7	0.3	107	19.9	19.9	8.0	8.0	32.0	32.0	101.2	101.2	7.6		13.3		12		93				<0.2		0.7	
						3.7	0.4	117	19.9		8.0		32.0		101.2		7.6		13.3		12		92				<0.2		0.6	
					Bottom	6.4	0.4	114	19.9	19.9	8.0	8.0	32.0	32.0	103.1	103.1	7.8	7.8	13.4		12		94				<0.2		0.6	
						6.4	0.4	120	19.9		8.0		32.0		103.1		7.8		13.4		12		94				<0.2		0.5	
IM11	Cloudy	Moderate	12:23	8.2	Surface	1.0	0.4	109	20.0	20.0	8.0	8.0	32.0	32.0	99.8	99.8	7.5	7.5	6.7	7.6	8	10	87	91	821483	810545	<0.2	<0.2	0.3	0.4
						1.0	0.4	113	20.0		8.0		32.0		99.8		7.5		6.7		9		85				<0.2		0.4	
					Middle	4.1	0.4	109	20.0	20.0	8.0	8.0	32.0	32.0	99.7	99.7	7.5		7.8		10		92				<0.2		0.4	
						4.1	0.4	111	20.0		8.0		32.0		99.7		7.5		7.8		8		93				<0.2		0.4	
					Bottom	7.2	0.4	119	20.0	20.0	8.0	8.0	32.0	32.0	99.9	99.9	7.5	7.5	8.2		11		95				<0.2		0.4	
						7.2	0.4	125	20.0		8.0		32.0		99.9		7.5		8.2		12		95				<0.2		0.4	
IM12	Cloudy	Moderate	12:32	8.9	Surface	1.0	0.4	112	20.0	20.0	8.0	8.0	31.9	31.9	99.8	99.8	7.5	7.5	5.9	7.5	10	9	87	92	821151	811521	<0.2	<0.2	0.6	0.5
						1.0	0.5	120	20.0		8.0		31.9		99.8		7.5		5.9		9		87				<0.2		0.6	
					Middle	4.5	0.4	99	20.0	20.0	8.0	8.0	31.9	31.9	98.9	98.9	7.5		8.0		9		93				<0.2		0.4	
						4.5	0.4	101	20.0		8.0		31.9		98.9		7.5		8.0		8		93				<0.2		0.4	
					Bottom	7.9	0.4	119	20.1	20.1	8.0	8.0	32.0	32.0	99.0	99.0	7.5	7.5	8.6		10		94				<0.2		0.5	
						7.9	0.4	123	20.1		8.0		32.0		99.0		7.5		8.6		10		95				<0.2		0.5	
SR2	Cloudy	Moderate	12:54	4.8	Surface	1.0	0.5	112	20.3	20.3	8.0	8.0	32.0	32.0	101.3	101.4	7.6	7.6	6.7	7.0	9	9	89	92	821444	814154	<0.2	<0.2	0.5	0.5
						1.0	0.5	122	20.3		8.0		32.0		101.4		7.6		6.7		8		88				<0.2		0.5	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.4	108	20.2	20.2	8.0	8.0	32.0	32.0	104.2	104.3	7.8	7.8	7.2		9		95				<0.2		0.5	
						3.8	0.5	110	20.2		8.0		32.0		104.3		7.8		7.2		10		95				<0.2		0.5	
SR3	Cloudy	Moderate	11:52	9.3	Surface	1.0	0.4	104	19.5	19.5	8.1	8.1	32.3	32.3	107.9	107.9	8.2	8.0	10.3	18.9	25	26	-	-	822162	807567	-	-	-	-
						1.0	0.4	112	19.5		8.1		32.3		107.9		8.2		10.3		24		-				-		-	
					Middle	4.7	0.4	90	19.5	19.5	8.0	8.0	32.4	32.4	103.4	103.4	7.8		19.4		27		-				-		-	
						4.7	0.4	92	19.5		8.0		32.4		103.4		7.8		19.4		26		-				-		-	
					Bottom	8.3	0.4	114	19.6	19.6	8.0	8.0	32.4	32.4	103.6	103.6	7.8	7.8	27.0		26		-				-		-	
						8.3	0.4	114	19.6		8.0		32.4		103.6		7.8		27.0		28		-				-		-	
SR4A	Cloudy	Moderate	12:54	8.6	Surface	1.0	0.3	115	22.3	22.3	7.9	7.9	31.2	31.2	102.7	102.8	7.4	7.5	12.7	13.2	18	20	-	-	817208	807805	-	-	-	-
						1.0	0.4	117	22.3		7.9		31.2		102.8		7.5		12.6		20		-				-		-	
					Middle	4.3	0.3	105	22.4	22.4	7.9	7.9	31.1	31.1	103.4	103.5	7.5		13.3		20		-				-		-	
						4.3	0.3	110	22.4		7.9		31.1		103.5		7.5		13.3		19		-				-		-	
					Bottom	7.6	0.4	106	22.4	22.4	7.9	7.9	30.8	30.8	105.0	105.1	7.6	7.6	13.4		23		-				-		-	
						7.6	0.4	107	22.4		7.9		30.8		105.2		7.6		13.6		22		-				-		-	
SR5A	Cloudy	Moderate	13:10	4.3	Surface	1.0	0.2	131	22.2	22.2	7.8	7.8	30.0	30.0	98.9	98.9	7.2	7.2	6.4	6.5	8	11	-	-	816596	810691	-	-	-	-
						1.0	0.2	135	22.2		7.8		30.0		98.9		7.2		6.4		9		-				-		-	
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.2	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	122	22.2	22.2	7.8	7.8	29.8	29.8	100.8	100.8	7.4	7.4	6.6		13		-				-		-	
						3.3	0.1	123	22.2		7.8		29.8		100.8		7.4		6.6		13		-				-		-	
SR6	Cloudy	Moderate	13:25	3.6	Surface	1.0	0.2	142	22.2	22.2	7.9	7.9	30.2	30.3	97.6	97.6	7.1	7.1	7.3	7.5	10	11	-	-	817897	814662	-	-	-	-
						1.0	0.2	142	22.2		7.9		30.3		97.6		7.1		7.3		10		-				-		-	
					Middle	1.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						1.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.3	129	22.2	22.2	7.8	7.8	30.2	30.2	97.5	97.6	7.1	7.1	7.6		12		-				-		-	
						2.6	0.3	138	22.2		7.8		30.2		97.6		7.1		7.6		13		-				-		-	
SR7	Cloudy	Moderate	13:50	17.8	Surface	1.0	0.4	113	20.7	20.7	8.1	8.1	32.1	32.1	97.6	97.6	7.3	7.3	5.0	5.7	6	6	-	-	823622	823758	-	-	-	-
						1.0	0.4	116	20.7		8.1		32.1		97.6		7.3		5.0		6		-				-		-	
					Middle	8.9	0.4	109	20.7	20.7	8.1	8.1	32.1	32.1	97.9	97.9	7.3		5.4		6		-				-		-	
						8.9	0.4	114	20.7		8.1		32.1		97.9		7.3		5.4		7		-				-		-	
					Bottom	16.8	0.3	177	20.7	20.7	8.1	8.1	32.1	32.1	100.4	100.4	7.5	7.5	6.7		7		-				-		-	
						16.8	0.3	186	20.7		8.1		32.1		100.4		7.5		6.7		6		-				-		-	
SR8	Cloudy	Moderate	12:40	5.1	Surface	1.0	0.3	211.0	19.7	19.7	8.0	8.0	31.9	31.9	103.7	103.7	7.9	7.9	10.3	11.2	9	11	-	-	820414	811574	-	-	-	-
						1.0	0.3	225.0	19.7		8.0		31.9		103.7		7.9		10.3		10		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.3	216.0	19.7	19.7	8.0	8.0	31.9	31.9	105.3	105.8	8.0	8.1	11.9		12		-				-		-	
						4.1	0.3	229.0	19.7		8.0		31.9		106.3		8.1		12.4		12		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/11/2016
03/11/2016
05/11/2016
08/11/2016
10/11/2016
12/11/2016
15/11/2016
17/11/2016
19/11/2016
22/11/2016
24/11/2016
26/11/2016
29/11/2016
Date
C1
C2
C3
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/11/2016
03/11/2016
05/11/2016
08/11/2016
10/11/2016
12/11/2016
15/11/2016
17/11/2016
19/11/2016
22/11/2016
24/11/2016
26/11/2016
29/11/2016
Date
IM1
IM2
IM3
IM4
IM5
IM6
IM7
IM8
IM9
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/11/2016
03/11/2016
05/11/2016
08/11/2016
10/11/2016
12/11/2016
15/11/2016
17/11/2016
19/11/2016
22/11/2016
24/11/2016
26/11/2016
29/11/2016
Date
IM10
IM11
IM12
SR2
SR3
SR4A
SR5A
SR6
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/11/2016
03/11/2016
05/11/2016
08/11/2016
10/11/2016
12/11/2016
15/11/2016
17/11/2016
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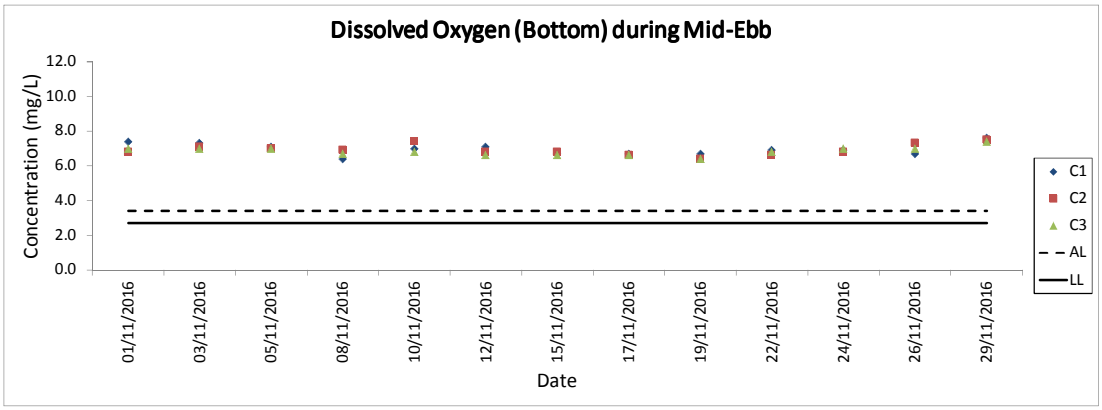
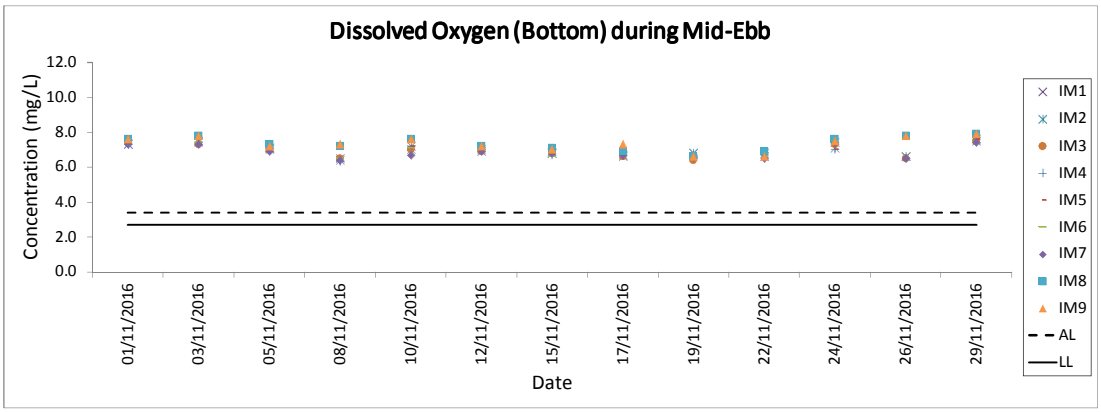
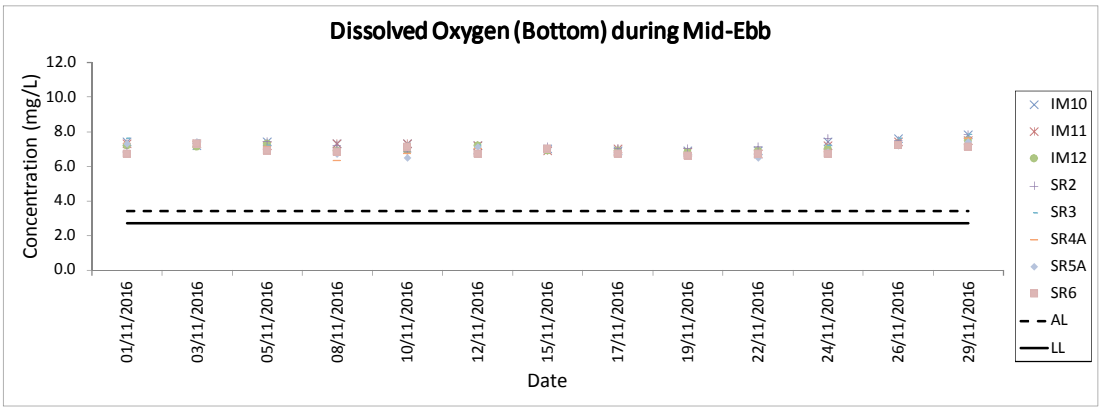
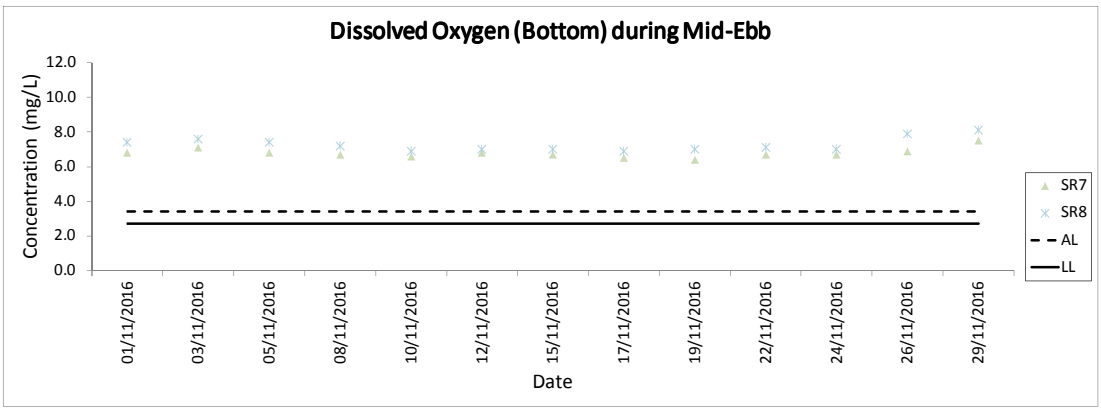
22/11/2016
24/11/2016
26/11/2016
29/11/2016
Date
SR7
SR8
AL
LL
LL (SR7)


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/11/2016
03/11/2016
05/11/2016
08/11/2016
10/11/2016
12/11/2016
15/11/2016
17/11/2016
19/11/2016
22/11/2016
24/11/2016
26/11/2016
29/11/2016
Date
C1
C2
C3
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/11/2016
03/11/2016
05/11/2016
08/11/2016
10/11/2016
12/11/2016
15/11/2016
17/11/2016
19/11/2016
22/11/2016
24/11/2016
26/11/2016
29/11/2016
Date
IM1
IM2
IM3
IM4
IM5
IM6
IM7
IM8
IM9
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/11/2016
03/11/2016
05/11/2016
08/11/2016
10/11/2016
12/11/2016
15/11/2016
17/11/2016
19/11/2016
22/11/2016
24/11/2016
26/11/2016
29/11/2016
Date
IM10
IM11
IM12
SR2
SR3
SR4A
SR5A
SR6
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/11/2016
03/11/2016
05/11/2016
08/11/2016
10/11/2016
12/11/2016
15/11/2016
17/11/2016
19/11/2016
22/11/2016
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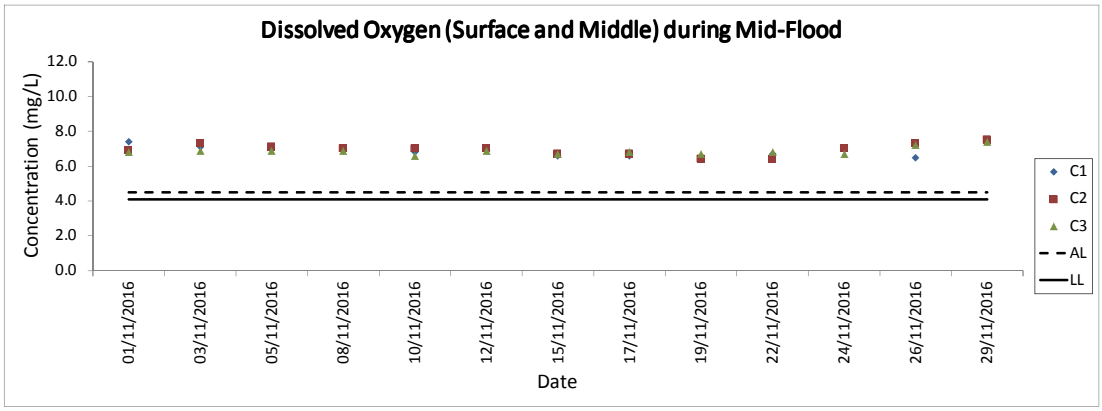
29/11/2016
Date
SR7
SR8
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
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8.0
6.0
4.0
2.0
0.0
01/11/2016
03/11/2016
05/11/2016
08/11/2016
10/11/2016
12/11/2016
15/11/2016
17/11/2016
19/11/2016
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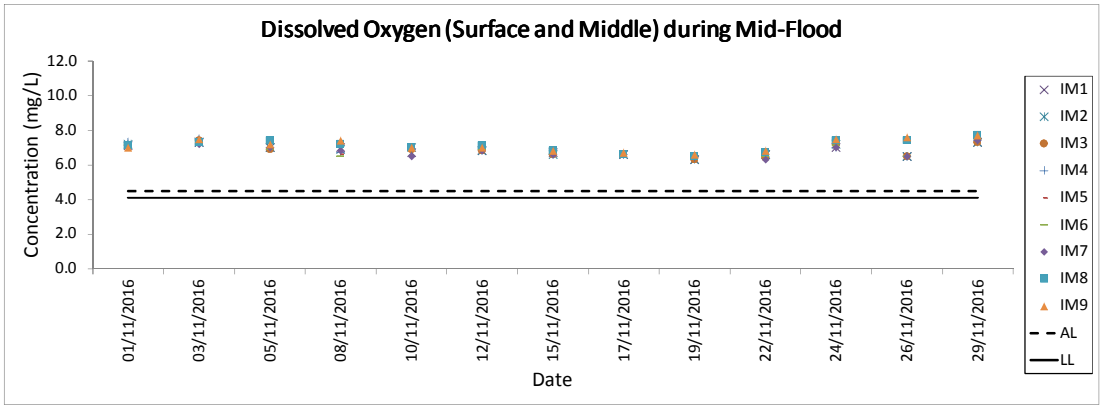
29/11/2016
Date
C1
C2
C3
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
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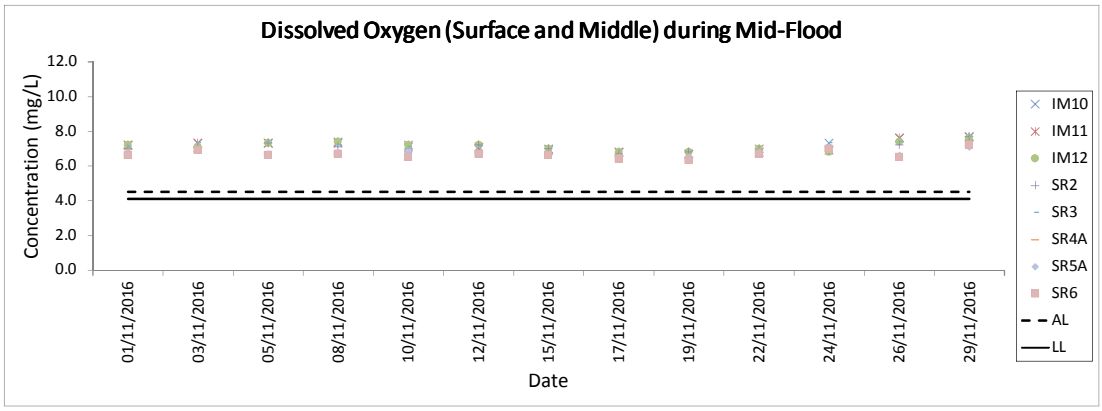
10.0
8.0
6.0
4.0
2.0
0.0
01/11/2016
03/11/2016
05/11/2016
08/11/2016
10/11/2016
12/11/2016
15/11/2016
17/11/2016
19/11/2016
22/11/2016
24/11/2016
26/11/2016
29/11/2016
Date
IM1
IM2
IM3
IM4
IM5
IM6
IM7
IM8
IM9
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
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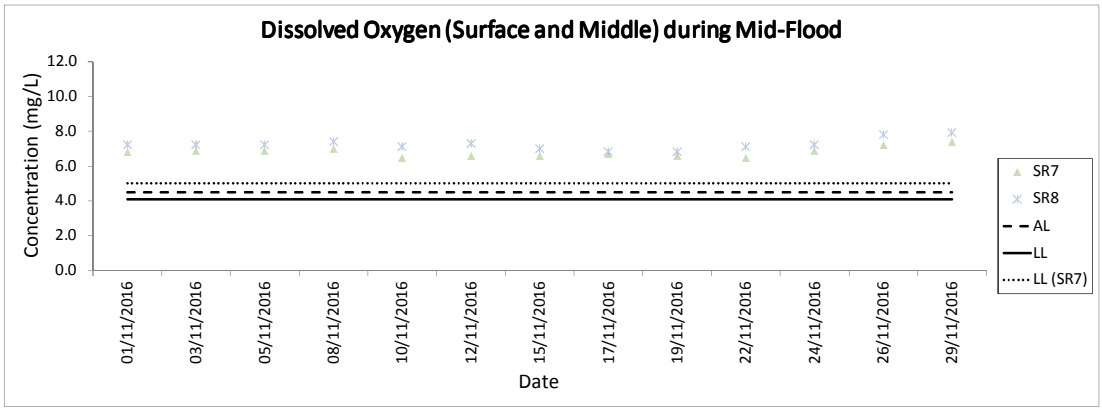
10.0
8.0
6.0
4.0
2.0
0.0
01/11/2016
03/11/2016
05/11/2016
08/11/2016
10/11/2016
12/11/2016
15/11/2016
17/11/2016
19/11/2016
22/11/2016
24/11/2016
26/11/2016
29/11/2016
Date
IM10
IM11
IM12
SR2
SR3
SR4A
SR5A
SR6
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/11/2016
03/11/2016
05/11/2016
08/11/2016
10/11/2016
12/11/2016
15/11/2016
17/11/2016
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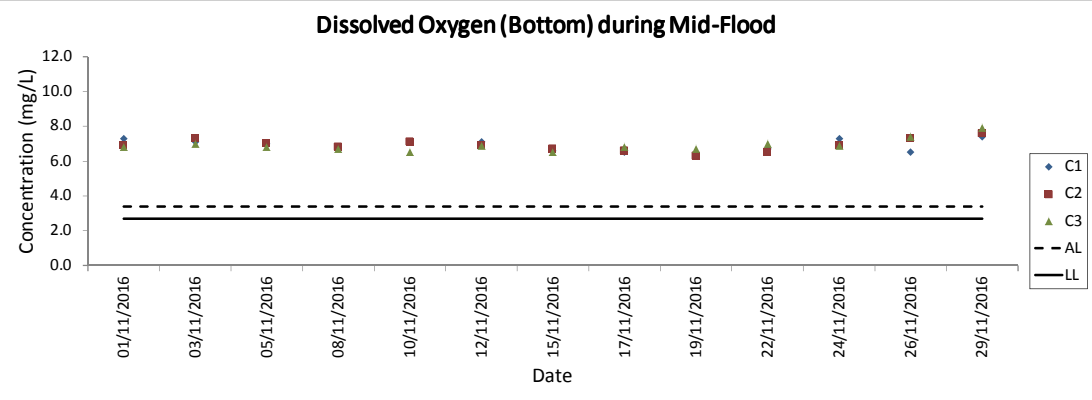
24/11/2016
26/11/2016
29/11/2016
Date
SR7
SR8
AL
LL
LL (SR7)


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/11/2016
03/11/2016
05/11/2016
08/11/2016
10/11/2016
12/11/2016
15/11/2016
17/11/2016
19/11/2016
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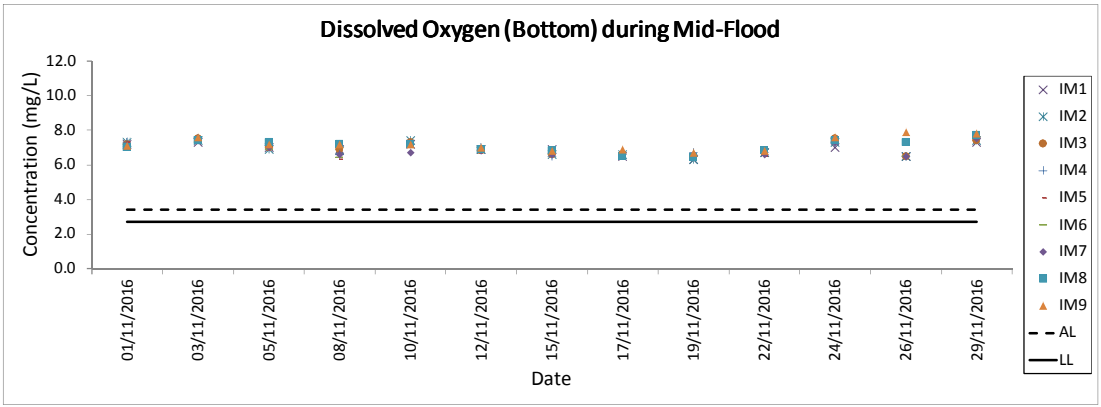
29/11/2016
Date
C1
C2
C3
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/11/2016
03/11/2016
05/11/2016
08/11/2016
10/11/2016
12/11/2016
15/11/2016
17/11/2016
19/11/2016
22/11/2016
24/11/2016
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Date
IM1
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IM6
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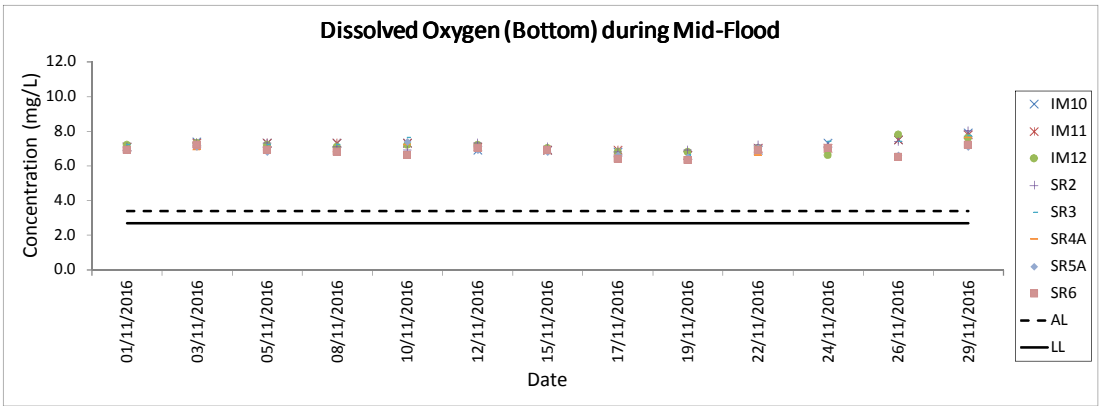
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
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8.0
6.0
4.0
2.0
0.0
01/11/2016
03/11/2016
05/11/2016
08/11/2016
10/11/2016
12/11/2016
15/11/2016
17/11/2016
19/11/2016
22/11/2016
24/11/2016
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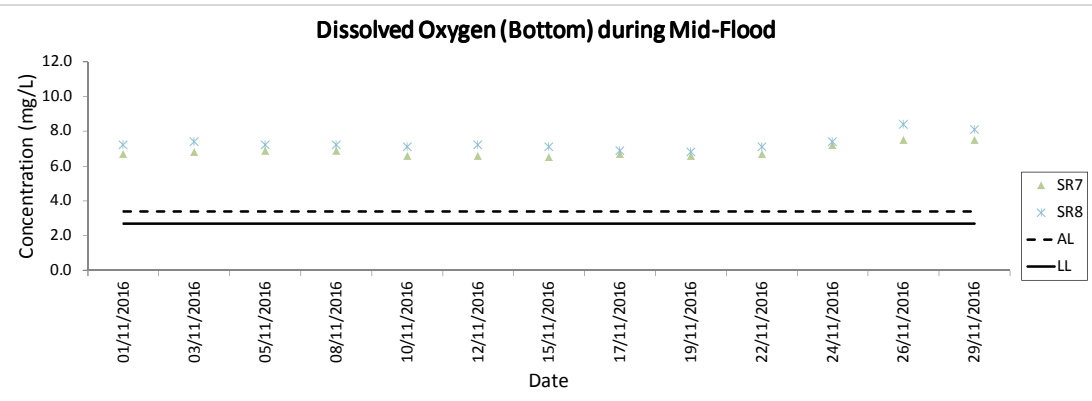
29/11/2016
Date
IM10
IM11
IM12
SR2
SR3
SR4A
SR5A
SR6
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/11/2016
03/11/2016
05/11/2016
08/11/2016
10/11/2016
12/11/2016
15/11/2016
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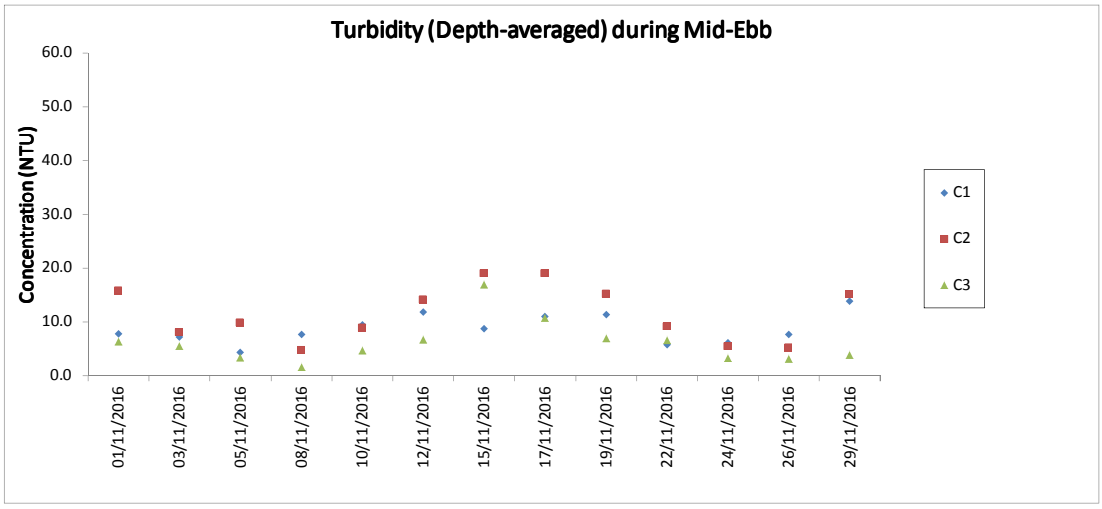
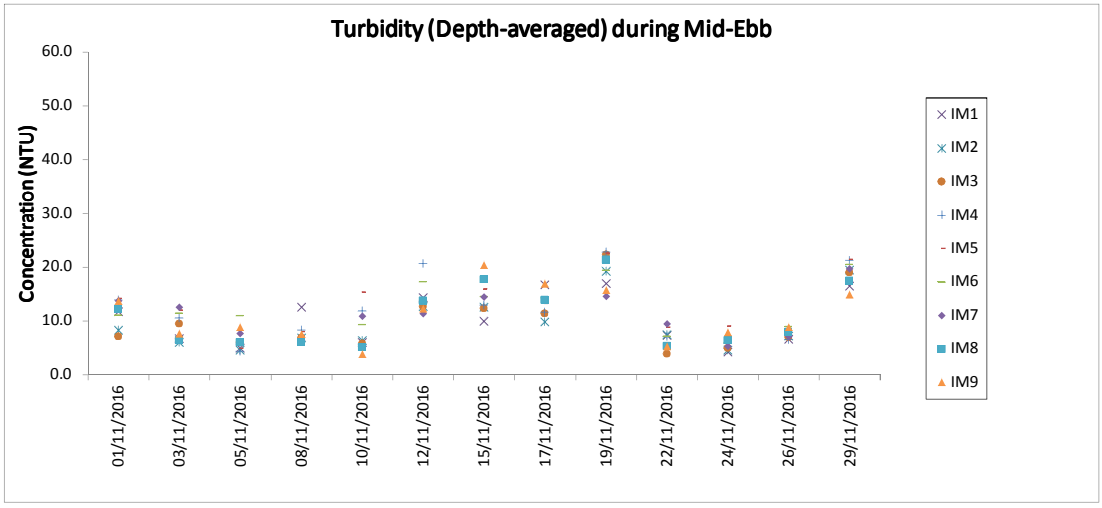
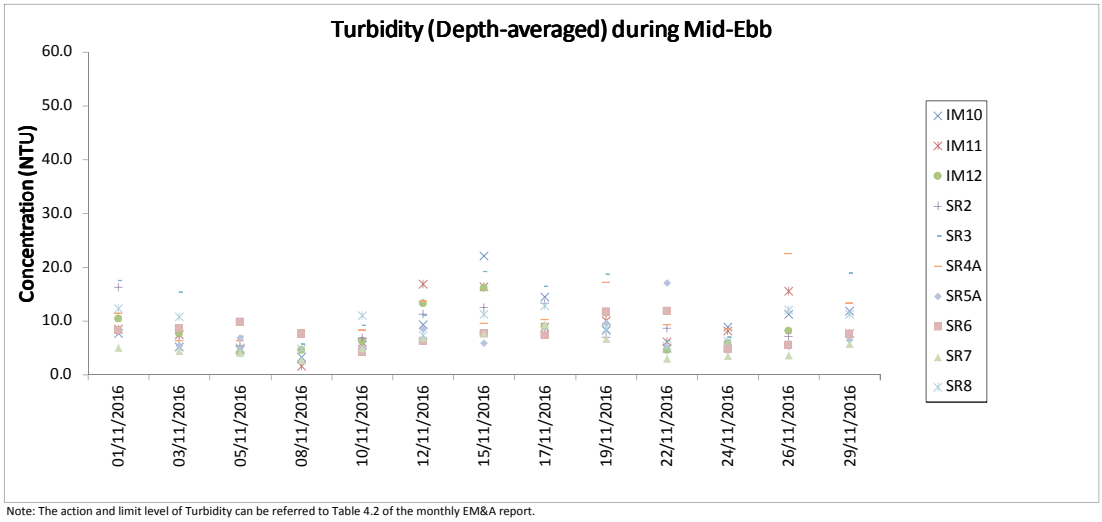
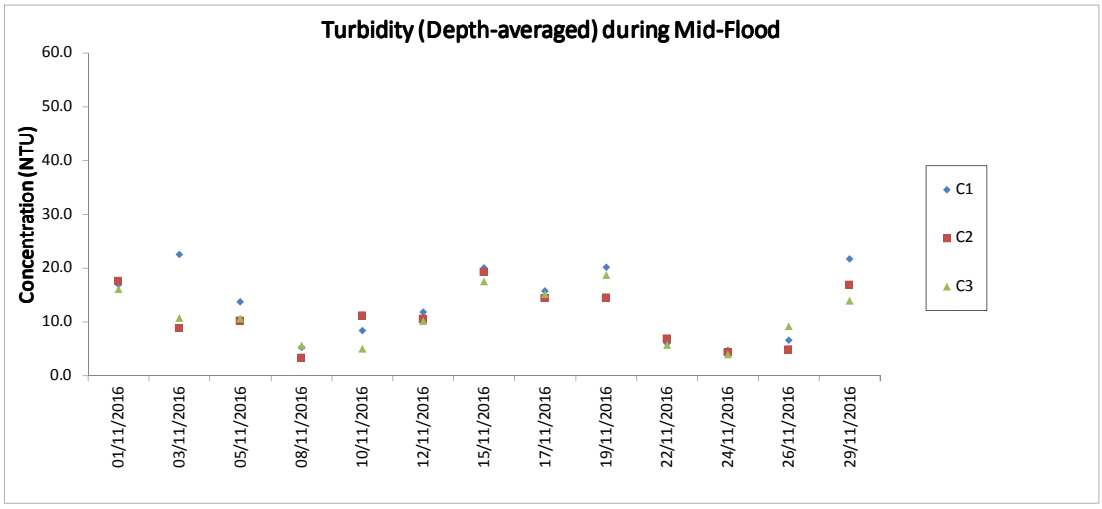
22/11/2016
24/11/2016
26/11/2016
29/11/2016
Date
SR7
SR8
AL
LL

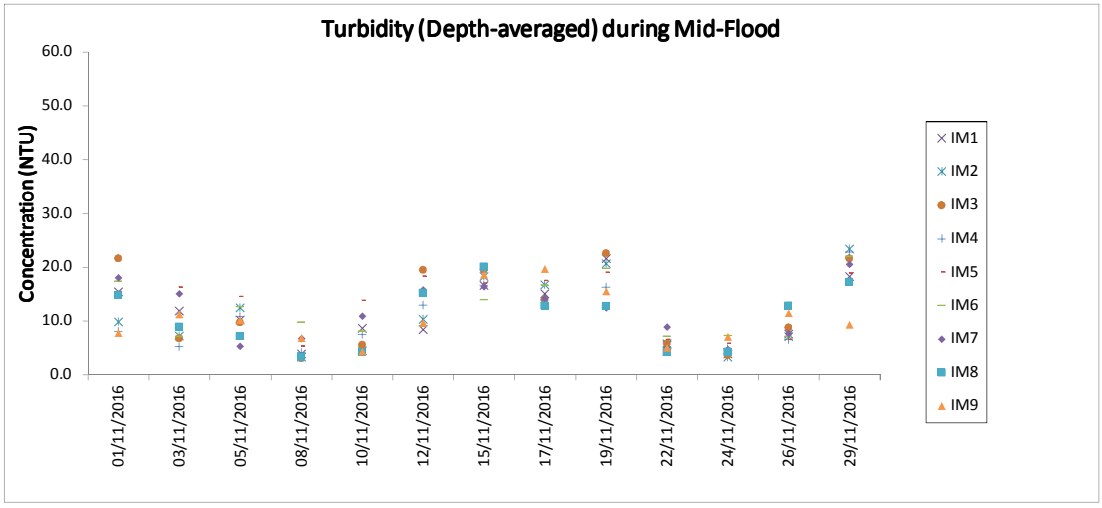


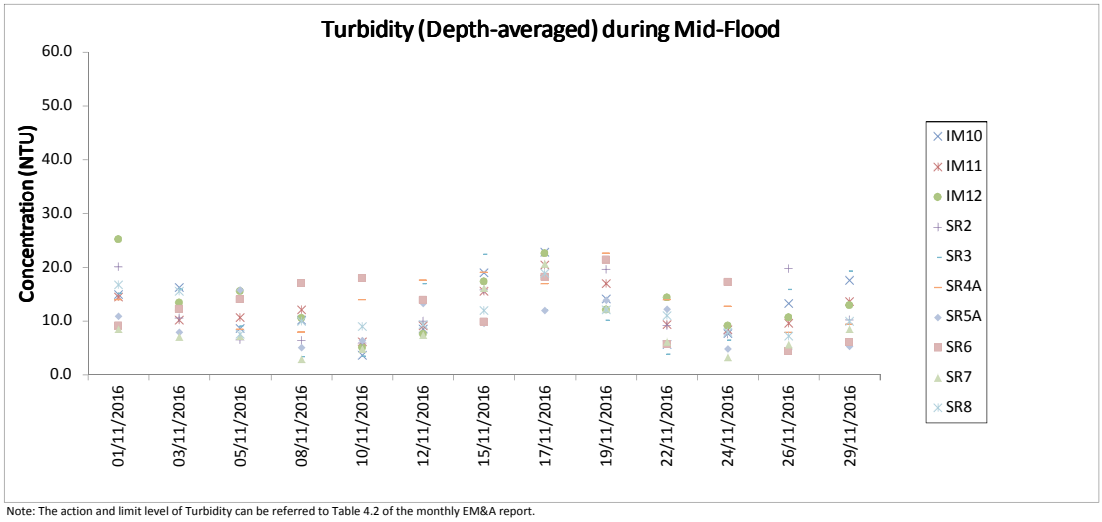




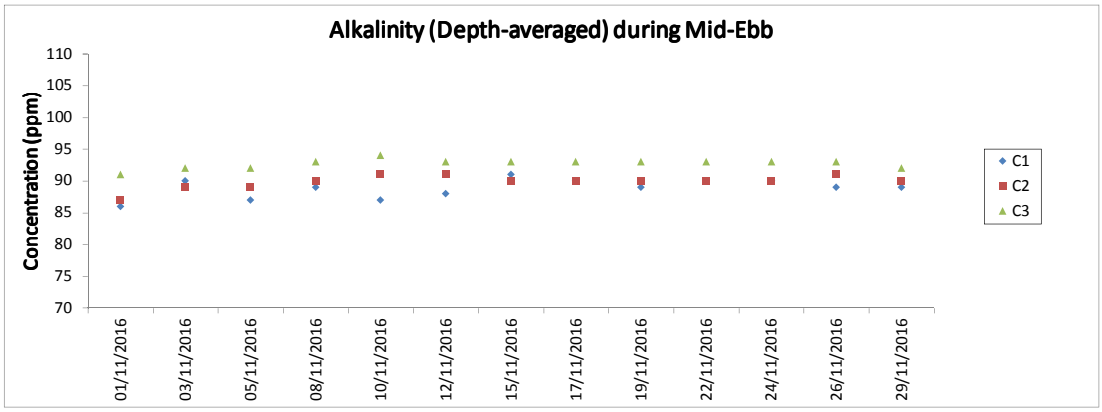
Note: The action and limit level of Turbidity can be referred to Table 4.2 of the monthly EM&A report.

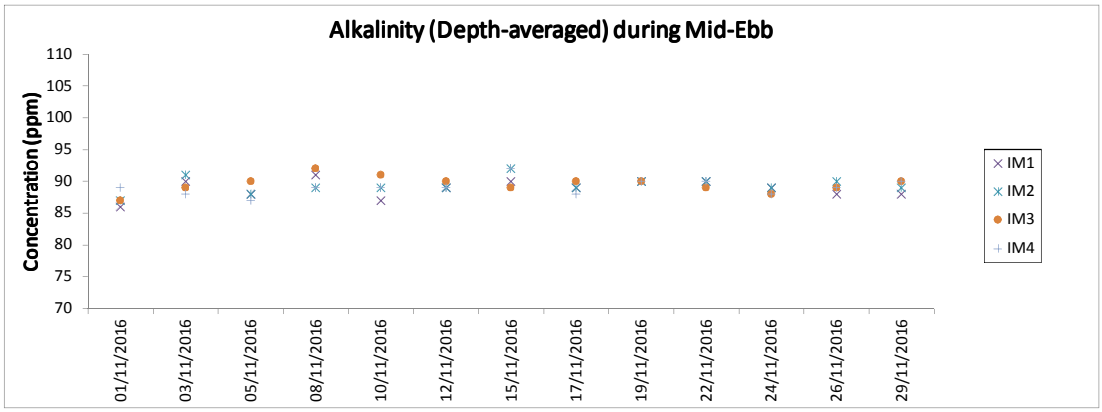


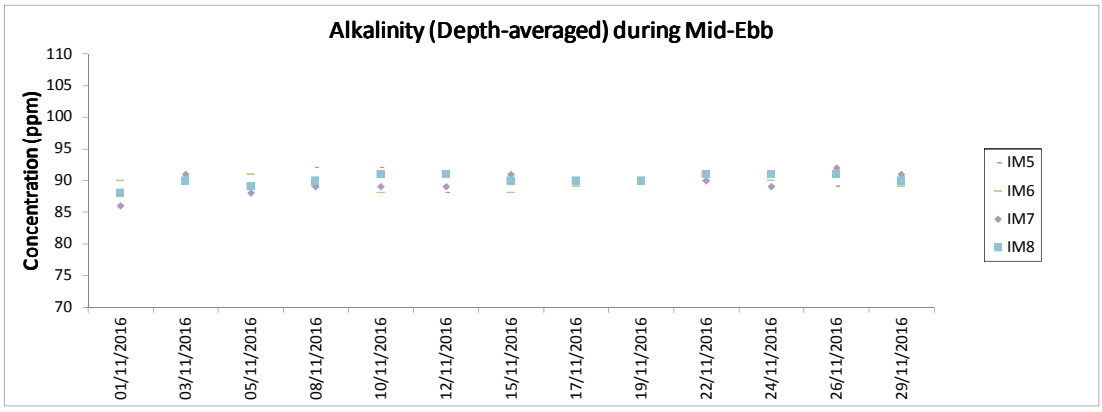


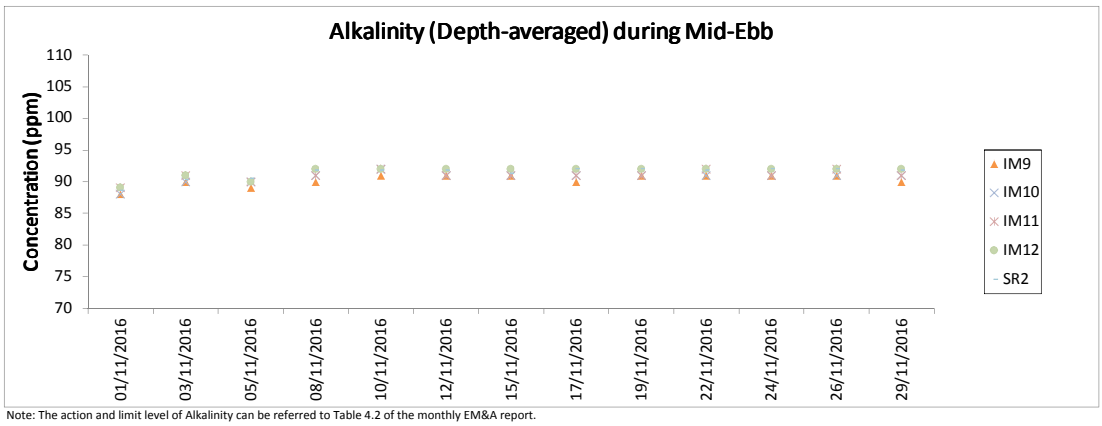


Note: The action and limit level of Turbidity can be referred to Table 4.2 of the monthly EM&A report.

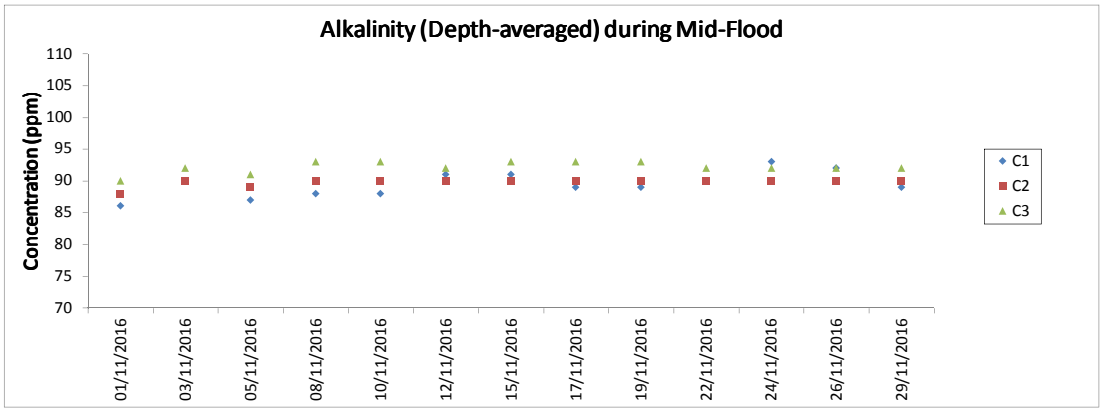


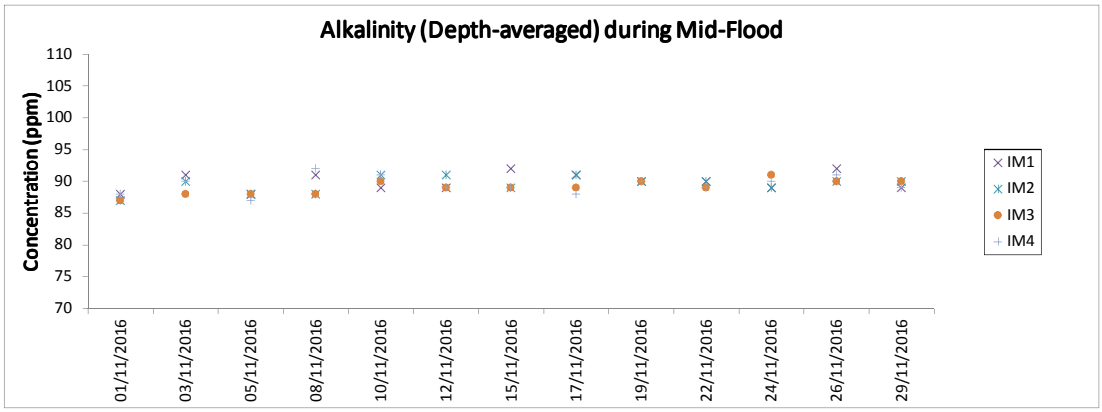


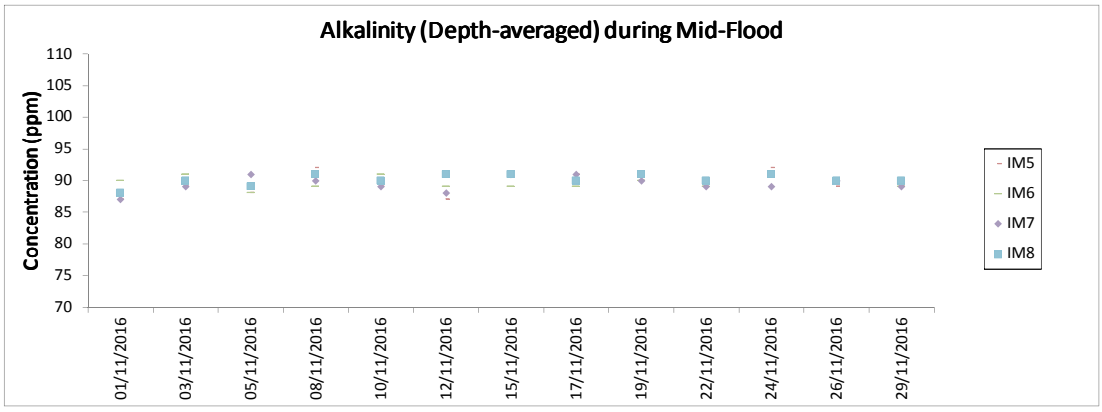


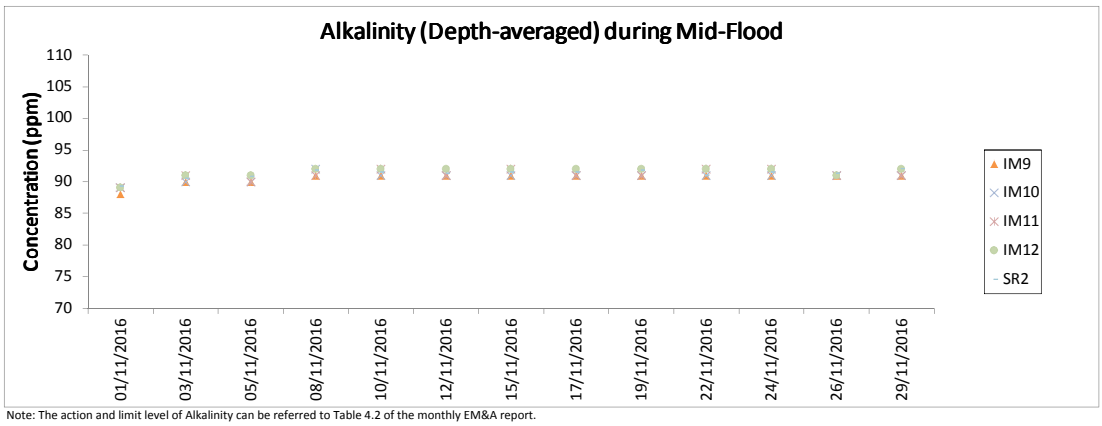


Note: The action and limit level of Alkalinity can be referred to Table 4.2 of the monthly EM&A report.

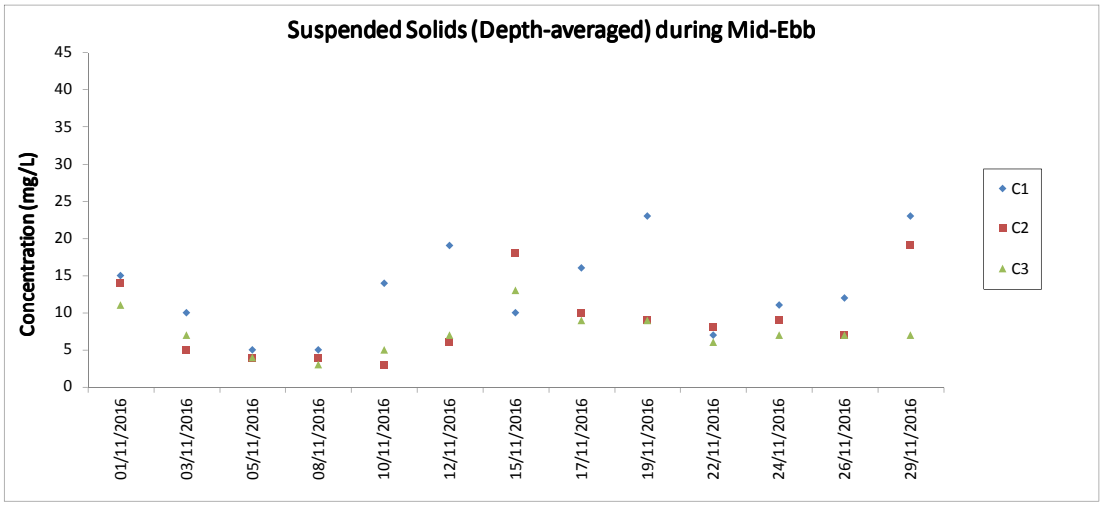


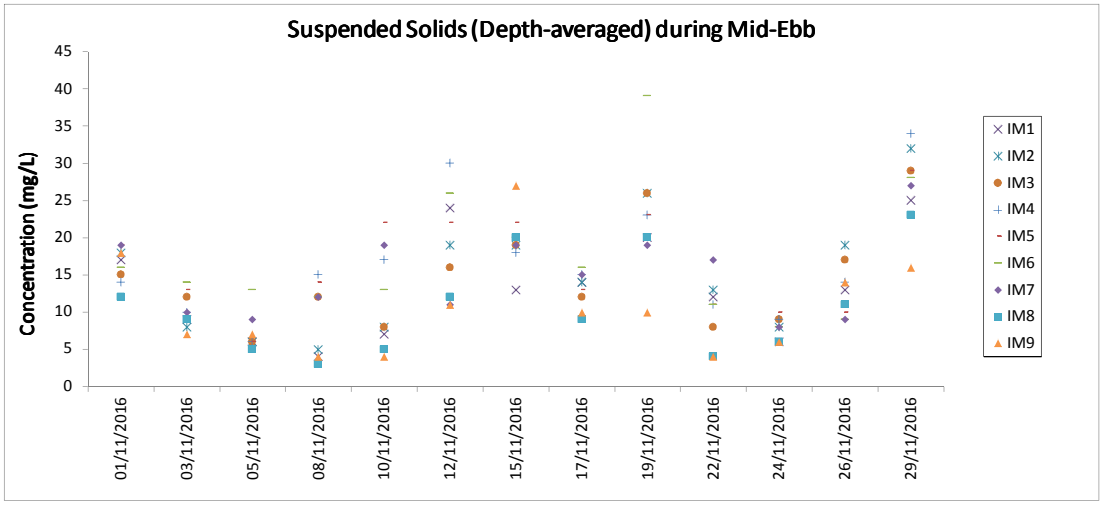


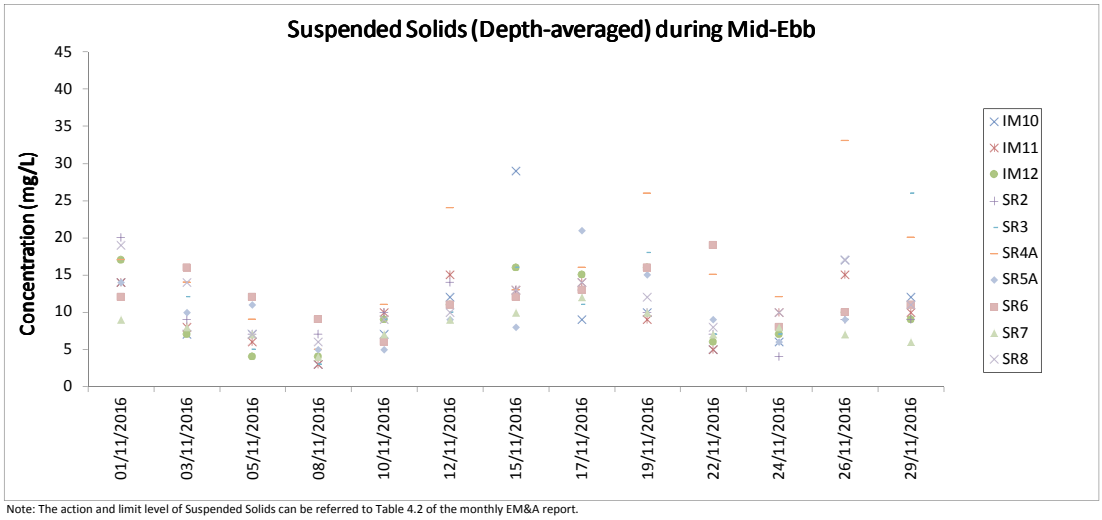




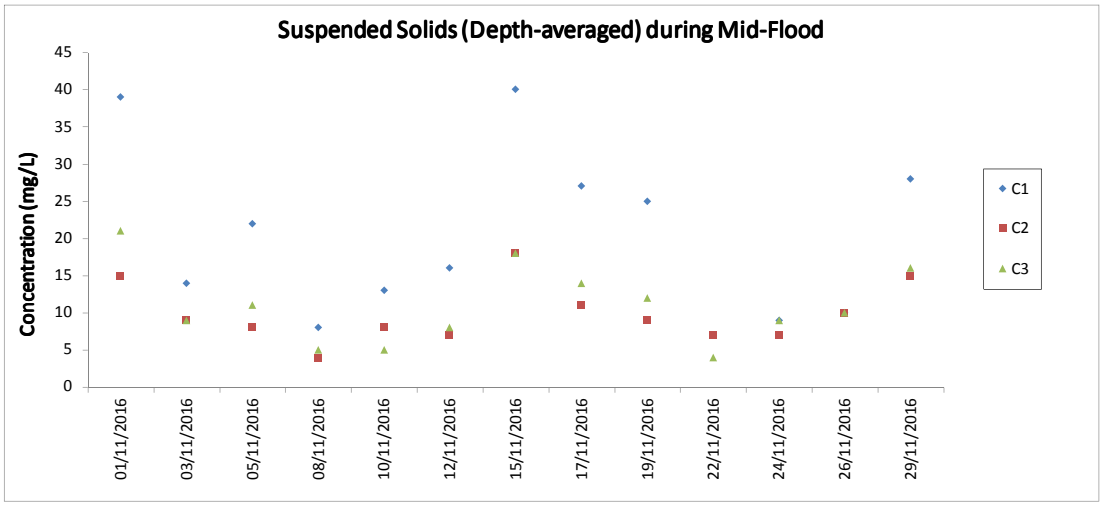
Note: The action and limit level of Alkalinity can be referred to Table 4.2 of the monthly EM&A report.

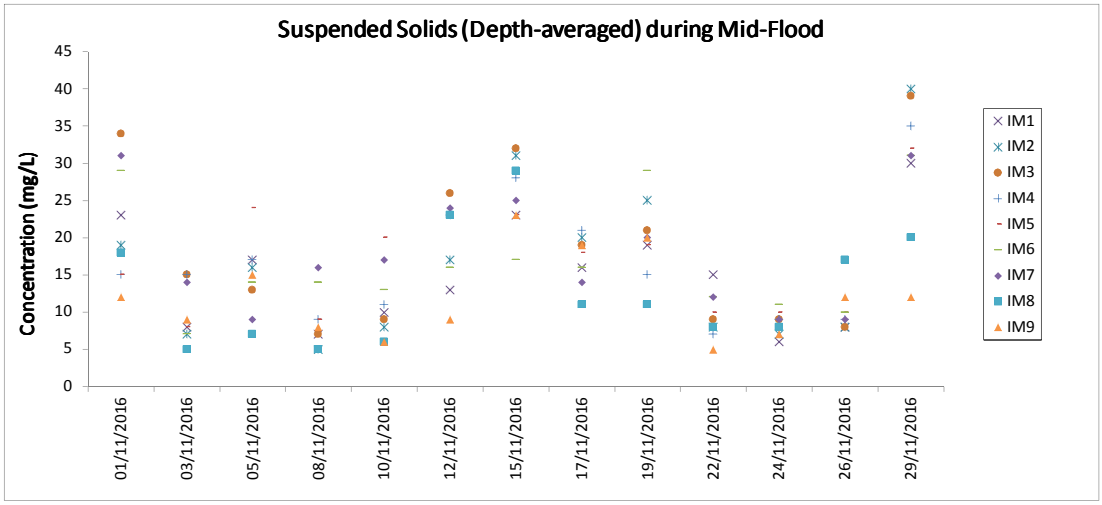


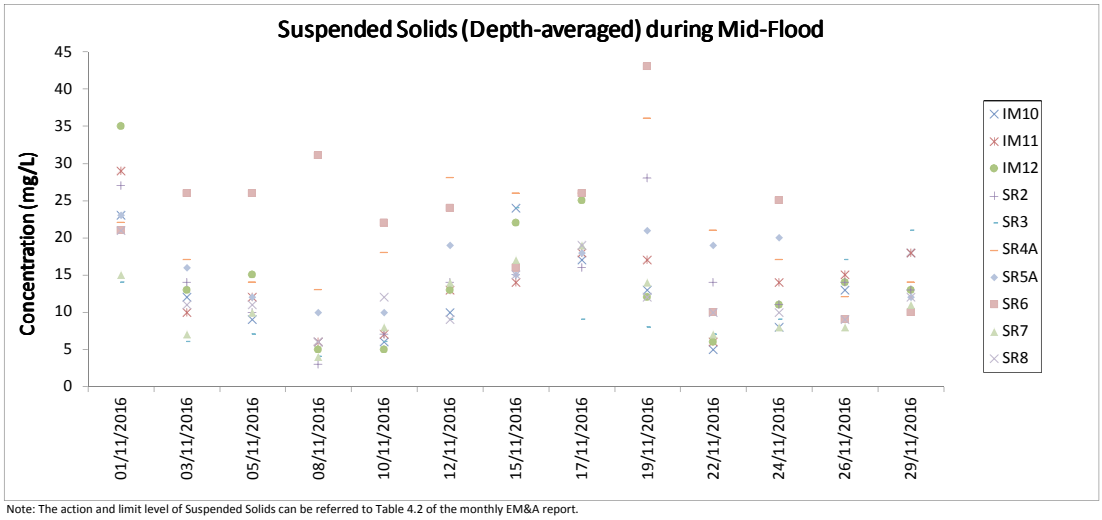




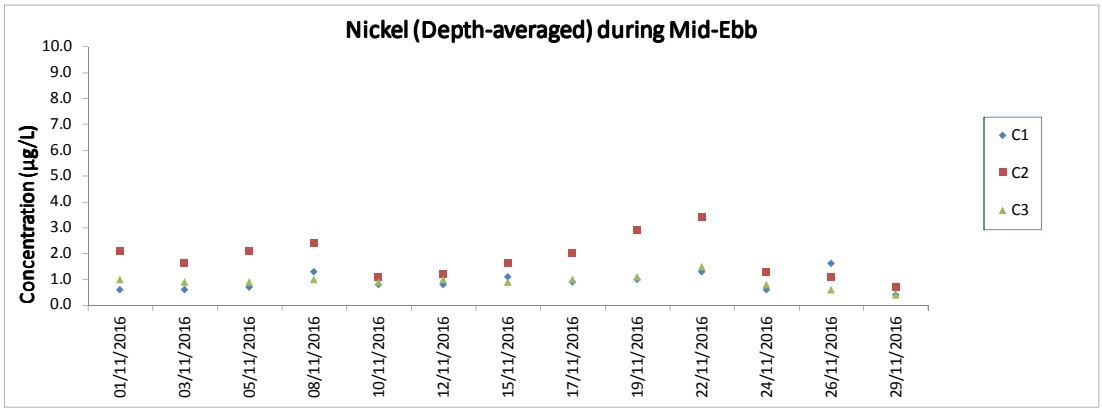
Note: The action and limit level of Suspended Solids can be referred to Table 4.2 of the monthly EM&A report.

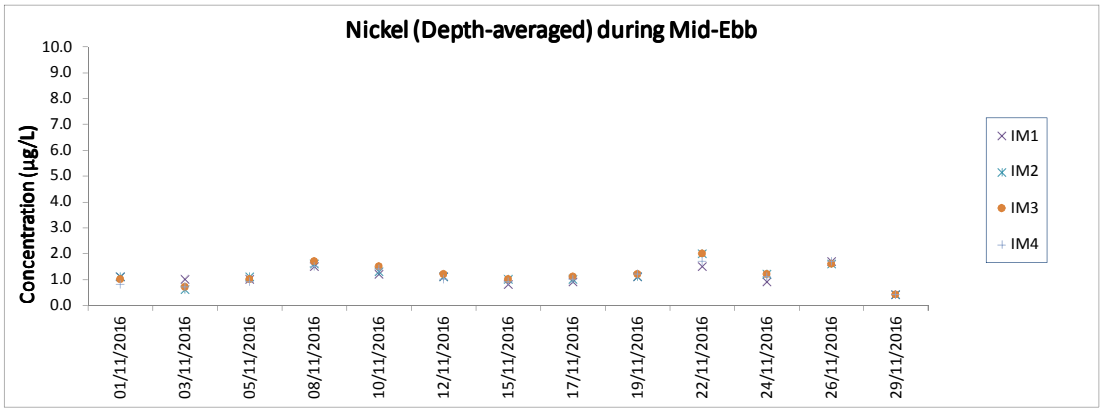


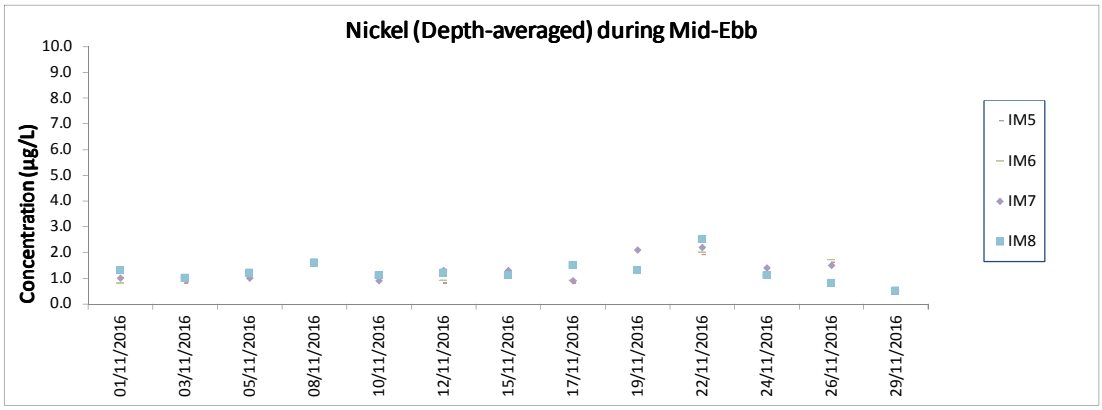


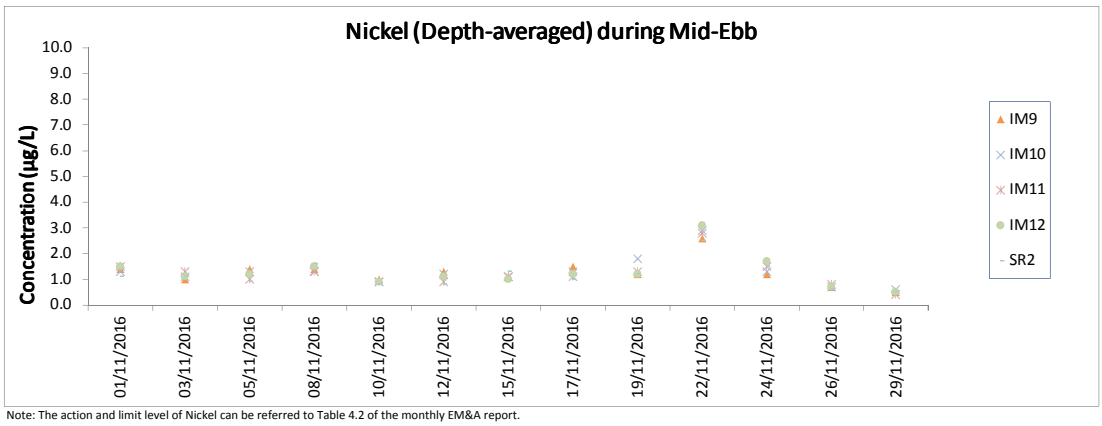


Note: The action and limit level of Suspended Solids can be referred to Table 4.2 of the monthly EM&A report.

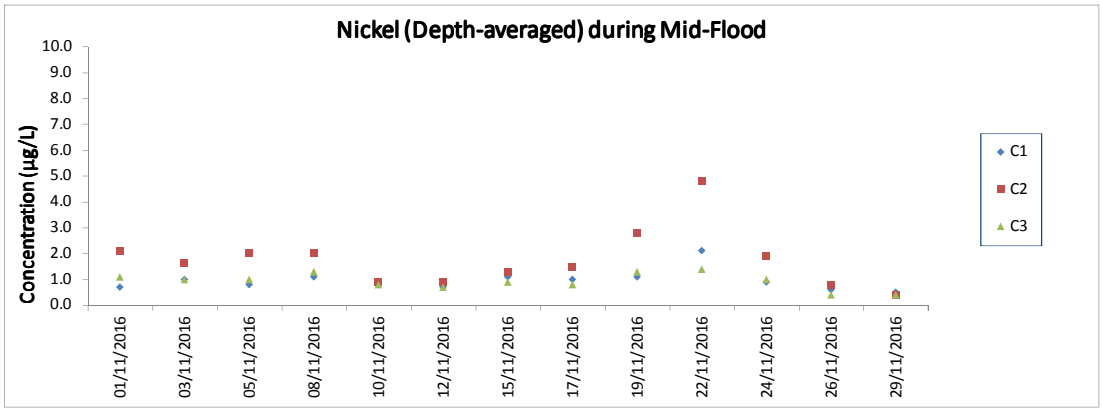


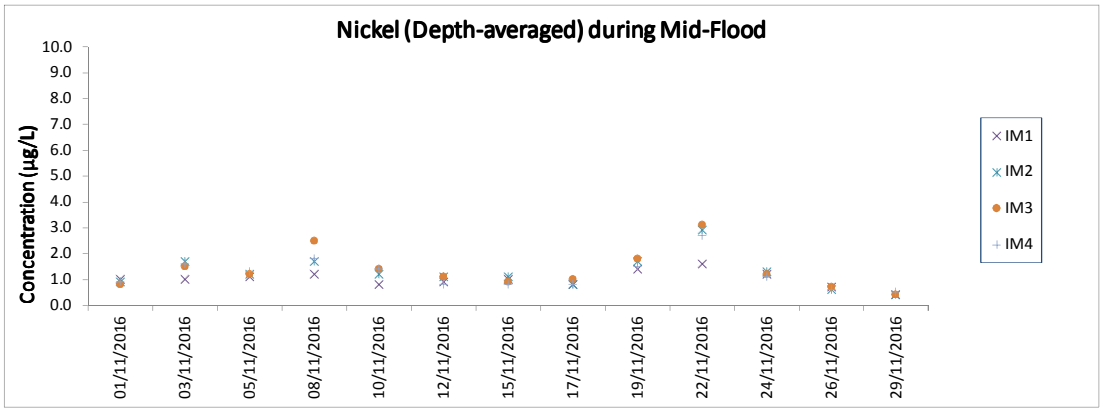


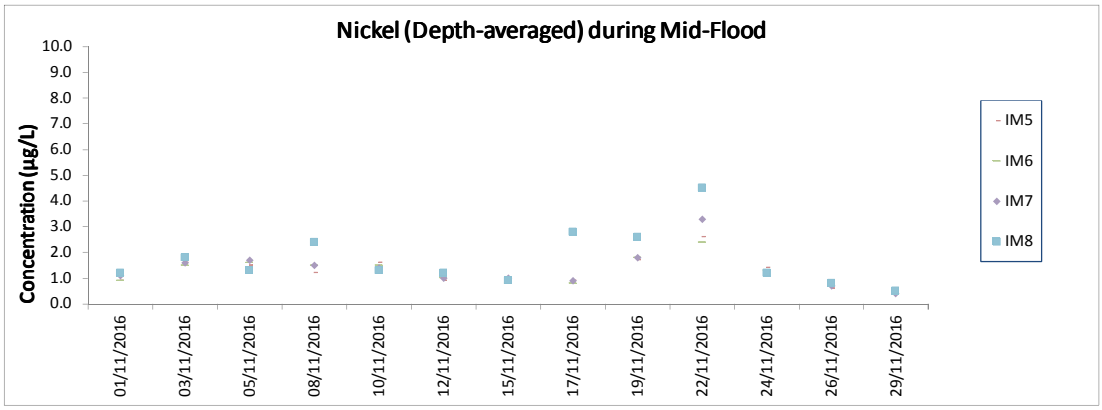


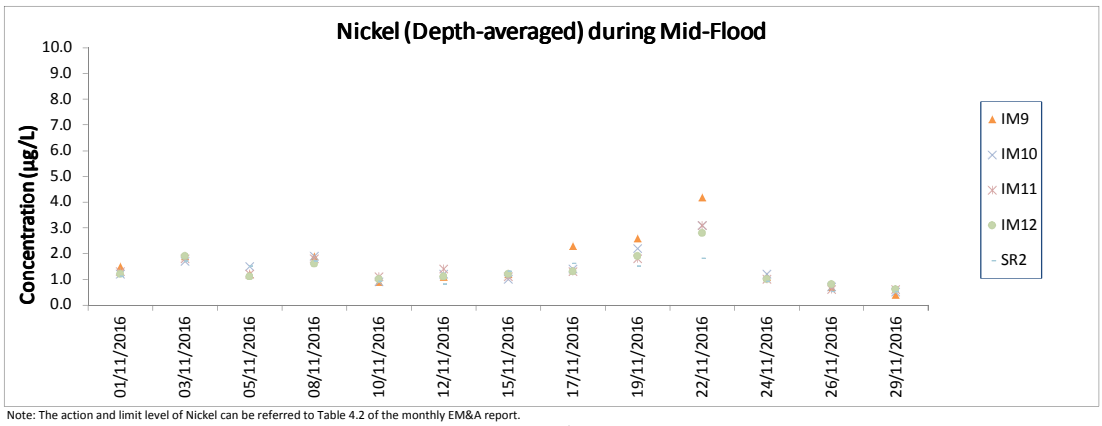


Note: The action and limit level of Nickel can be referred to Table 4.2 of the monthly EM&A report.









Note: The action and limit level of Nickel can be referred to Table 4.2 of the monthly EM&A report.
The monitoring results of Chromium at all monitoring stations were below the reporting limit <0.2 µg/L,
the impact monitoring results of Chromium at all monitoring stations can be referred to Appendix E. of the monthly EM&A report.

Chinese White Dolphin Monitoring Results

CWD Small Vessel Line-transect Survey Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE
05-Sep-16	NEL	2	41.60	AUTUMN	32166	3RS ET
05-Sep-16	NEL	3	5.40	AUTUMN	32166	3RS ET
06-Sep-16	NWL	1	8.62	AUTUMN	32166	3RS ET
06-Sep-16	NWL	2	47.10	AUTUMN	32166	3RS ET
06-Sep-16	NWL	3	27.38	AUTUMN	32166	3RS ET
08-Sep-16	AW	2	2.65	AUTUMN	32166	3RS ET
08-Sep-16	AW	3	2.43	AUTUMN	32166	3RS ET
08-Sep-16	WL	1	5.25	AUTUMN	32166	3RS ET
08-Sep-16	WL	2	23.16	AUTUMN	32166	3RS ET
08-Sep-16	WL	3	2.67	AUTUMN	32166	3RS ET
08-Sep-16	SWL	1	2.15	AUTUMN	32166	3RS ET
08-Sep-16	SWL	2	10.15	AUTUMN	32166	3RS ET
19-Sep-16	AW	3	4.81	AUTUMN	32166	3RS ET
19-Sep-16	WL	2	5.10	AUTUMN	32166	3RS ET
19-Sep-16	WL	3	25.61	AUTUMN	32166	3RS ET
19-Sep-16	SWL	2	6.81	AUTUMN	32166	3RS ET
20-Sep-16	NEL	1	1.10	AUTUMN	32166	3RS ET
20-Sep-16	NEL	2	45.70	AUTUMN	32166	3RS ET
22-Sep-16	NWL	2	33.84	AUTUMN	32166	3RS ET
22-Sep-16	NWL	3	43.92	AUTUMN	32166	3RS ET
22-Sep-16	NWL	4	3.40	AUTUMN	32166	3RS ET
26-Sep-16	SWL	1	5.61	AUTUMN	32166	3RS ET
26-Sep-16	SWL	2	18.67	AUTUMN	32166	3RS ET
26-Sep-16	SWL	3	35.90	AUTUMN	32166	3RS ET
26-Sep-16	SWL	4	1.64	AUTUMN	32166	3RS ET
27-Sep-16	SWL	2	15.86	AUTUMN	32166	3RS ET
27-Sep-16	SWL	3	35.83	AUTUMN	32166	3RS ET
27-Sep-16	SWL	4	7.73	AUTUMN	32166	3RS ET
05-Oct-16	NWL	2	57.65	AUTUMN	32166	3RS ET
05-Oct-16	NWL	3	24.37	AUTUMN	32166	3RS ET
07-Oct-16	SWL	2	19.10	AUTUMN	32166	3RS ET
07-Oct-16	SWL	3	41.15	AUTUMN	32166	3RS ET
07-Oct-16	SWL	4	2.05	AUTUMN	32166	3RS ET
19-Oct-16	NEL	2	2.20	AUTUMN	32166	3RS ET
19-Oct-16	NEL	3	18.00	AUTUMN	32166	3RS ET
19-Oct-16	NEL	4	27.50	AUTUMN	32166	3RS ET
20-Oct-16	NEL	2	30.40	AUTUMN	32166	3RS ET
20-Oct-16	NEL	3	16.80	AUTUMN	32166	3RS ET
24-Oct-16	AW	1	4.80	AUTUMN	32166	3RS ET
24-Oct-16	WL	1	5.39	AUTUMN	32166	3RS ET
24-Oct-16	WL	2	6.10	AUTUMN	32166	3RS ET
24-Oct-16	WL	3	15.88	AUTUMN	32166	3RS ET
24-Oct-16	WL	4	3.82	AUTUMN	32166	3RS ET
24-Oct-16	SWL	3	4.89	AUTUMN	32166	3RS ET
24-Oct-16	SWL	4	0.41	AUTUMN	32166	3RS ET
25-Oct-16	SWL	2	1.05	AUTUMN	32166	3RS ET
25-Oct-16	SWL	3	31.73	AUTUMN	32166	3RS ET

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE
25-Oct-16	SWL	4	28.02	AUTUMN	32166	3RS ET
25-Oct-16	SWL	5	2.00	AUTUMN	32166	3RS ET
26-Oct-16	AW	2	2.81	AUTUMN	32166	3RS ET
26-Oct-16	AW	3	1.83	AUTUMN	32166	3RS ET
26-Oct-16	WL	2	12.50	AUTUMN	32166	3RS ET
26-Oct-16	WL	3	9.25	AUTUMN	32166	3RS ET
26-Oct-16	WL	4	9.44	AUTUMN	32166	3RS ET
26-Oct-16	SWL	3	1.06	AUTUMN	32166	3RS ET
26-Oct-16	SWL	4	4.03	AUTUMN	32166	3RS ET
28-Oct-16	NWL	1	6.27	AUTUMN	32166	3RS ET
28-Oct-16	NWL	2	73.09	AUTUMN	32166	3RS ET
28-Oct-16	NWL	3	0.90	AUTUMN	32166	3RS ET
04-Nov-16	NWL	2	22.59	AUTUMN	32166	3RS ET
04-Nov-16	NWL	3	60.71	AUTUMN	32166	3RS ET
11-Nov-16	NEL	1	15.31	AUTUMN	32166	3RS ET
11-Nov-16	NEL	2	31.79	AUTUMN	32166	3RS ET
14-Nov-16	SWL	2	62.10	AUTUMN	32166	3RS ET
14-Nov-16	SWL	3	0.90	AUTUMN	32166	3RS ET
16-Nov-16	NEL	2	1.90	AUTUMN	32166	3RS ET
16-Nov-16	NEL	3	41.92	AUTUMN	32166	3RS ET
16-Nov-16	NEL	4	3.28	AUTUMN	32166	3RS ET
17-Nov-16	SWL	2	1.15	AUTUMN	32166	3RS ET
17-Nov-16	SWL	3	5.59	AUTUMN	32166	3RS ET
17-Nov-16	WL	2	13.18	AUTUMN	32166	3RS ET
17-Nov-16	WL	3	17.84	AUTUMN	32166	3RS ET
17-Nov-16	AW	2	4.91	AUTUMN	32166	3RS ET
18-Nov-16	AW	2	1.43	AUTUMN	32166	3RS ET
18-Nov-16	AW	3	3.25	AUTUMN	32166	3RS ET
18-Nov-16	WL	2	18.03	AUTUMN	32166	3RS ET
18-Nov-16	WL	3	11.86	AUTUMN	32166	3RS ET
18-Nov-16	WL	4	2.45	AUTUMN	32166	3RS ET
18-Nov-16	SWL	3	6.84	AUTUMN	32166	3RS ET
21-Nov-16	NWL	2	3.82	AUTUMN	32166	3RS ET
21-Nov-16	NWL	3	26.42	AUTUMN	32166	3RS ET
21-Nov-16	NWL	4	43.55	AUTUMN	32166	3RS ET
21-Nov-16	NWL	5	7.91	AUTUMN	32166	3RS ET
28-Nov-16	SWL	2	7.14	AUTUMN	32166	3RS ET
28-Nov-16	SWL	3	35.02	AUTUMN	32166	3RS ET
28-Nov-16	SWL	4	16.84	AUTUMN	32166	3RS ET
28-Nov-16	SWL	5	1.39	AUTUMN	32166	3RS ET

Notes:

CWD monitoring survey data of the two preceding survey months (i.e. September and October 2016) are presented for reference only.

CWD Small Vessel Line-transect Survey

Sighting Data

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.
06-Sep-16	1	1127	CWD	3	NWL	3	48	ON	3RS ET	22.3379	113.8784	AUTUMN	NONE
08-Sep-16	1	1020	CWD	4	WL	1	221	ON	3RS ET	22.2504	113.8387	AUTUMN	PURSE SEINE
08-Sep-16	2	1044	CWD	9	WL	1	36	ON	3RS ET	22.2416	113.8409	AUTUMN	NONE
08-Sep-16	3	1233	CWD	2	WL	2	100	ON	3RS ET	22.1871	113.8365	AUTUMN	NONE
19-Sep-16	1	0945	CWD	2	AW	3	13	ON	3RS ET	22.3009	113.8895	AUTUMN	NONE
19-Sep-16	2	1147	CWD	10	WL	3	27	ON	3RS ET	22.2319	113.8282	AUTUMN	NONE
19-Sep-16	3	1230	CWD	1	WL	3	135	ON	3RS ET	22.2138	113.8202	AUTUMN	NONE
19-Sep-16	4	1244	CWD	8	WL	3	25	ON	3RS ET	22.2142	113.8331	AUTUMN	NONE
19-Sep-16	5	1334	CWD	5	WL	3	149	ON	3RS ET	22.1963	113.8397	AUTUMN	NONE
19-Sep-16	6	1411	CWD	1	SWL	2	124	ON	3RS ET	22.1910	113.8508	AUTUMN	NONE
19-Sep-16	7	1427	CWD	5	SWL	2	N/A	OFF	3RS ET	22.1838	113.8499	AUTUMN	NONE
19-Sep-16	8	1506	CWD	1	SWL	2	N/A	OFF	3RS ET	22.1942	113.8543	AUTUMN	PURSE SEINE
22-Sep-16	1	1007	CWD	6	NWL	2	238	ON	3RS ET	22.3373	113.8684	AUTUMN	NONE
22-Sep-16	2	1315	CWD	7	NWL	3	153	ON	3RS ET	22.3636	113.8981	AUTUMN	NONE
26-Sep-16	1	1109	FP	5	SWL	2	347	ON	3RS ET	22.1688	113.9280	AUTUMN	NONE
26-Sep-16	2	1157	FP	2	SWL	3	308	ON	3RS ET	22.1728	113.9195	AUTUMN	NONE
26-Sep-16	3	1456	CWD	5	SWL	2	15	ON	3RS ET	22.1997	113.8690	AUTUMN	NONE
27-Sep-16	1	1100	FP	2	SWL	3	48	ON	3RS ET	22.1627	113.9360	AUTUMN	NONE
27-Sep-16	2	1130	FP	1	SWL	3	34	ON	3RS ET	22.1723	113.9280	AUTUMN	NONE
27-Sep-16	3	1214	FP	4	SWL	3	62	ON	3RS ET	22.1601	113.9179	AUTUMN	NONE
27-Sep-16	4	1309	CWD	1	SWL	2	204	ON	3RS ET	22.2024	113.9078	AUTUMN	NONE
27-Sep-16	5	1412	CWD	2	SWL	2	182	ON	3RS ET	22.1851	113.8879	AUTUMN	NONE
27-Sep-16	6	1434	CWD	1	SWL	3	64	ON	3RS ET	22.2062	113.8874	AUTUMN	NONE
05-Oct-16	1	1048	CWD	2	NWL	2	N/A	OFF	3RS ET	22.2716	113.8719	AUTUMN	NONE
05-Oct-16	2	1141	CWD	1	NWL	3	19	ON	3RS ET	22.3571	113.8781	AUTUMN	NONE
05-Oct-16	3	1212	CWD	2	NWL	3	N/A	OFF	3RS ET	22.5836	115.8169	AUTUMN	NONE
05-Oct-16	4	1246	CWD	2	NWL	2	102	ON	3RS ET	22.3696	113.8886	AUTUMN	NONE
07-Oct-16	1	1200	FP	2	SWL	3	116	ON	3RS ET	22.7397	115.8400	AUTUMN	NONE
24-Oct-16	1	1017	CWD	4	WL	2	206	ON	3RS ET	22.2698	113.8436	AUTUMN	NONE
24-Oct-16	2	1054	CWD	1	WL	3	87	ON	3RS ET	22.2599	113.8416	AUTUMN	NONE
24-Oct-16	3	1127	CWD	2	WL	3	91	ON	3RS ET	22.2404	113.8307	AUTUMN	NONE

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.
24-Oct-16	4	1154	CWD	1	WL	3	108	ON	3RS ET	22.2236	113.8326	AUTUMN	NONE
24-Oct-16	5	1242	CWD	1	WL	4	11	ON	3RS ET	22.2018	113.8219	AUTUMN	NONE
24-Oct-16	6	1252	CWD	2	WL	3	48	ON	3RS ET	22.1983	113.8274	AUTUMN	NONE
24-Oct-16	7	1321	CWD	3	WL	3	N/A	OFF	3RS ET	22.1918	113.8383	AUTUMN	NONE
24-Oct-16	8	1403	CWD	1	SWL	3	45	ON	3RS ET	22.1863	113.8587	AUTUMN	NONE
25-Oct-16	1	1457	CWD	1	SWL	4	N/A	OFF	3RS ET	22.1943	113.8519	AUTUMN	NONE
25-Oct-16	2	1511	CWD	1	WL	3	N/A	OFF	3RS ET	22.2166	113.8338	AUTUMN	NONE
25-Oct-16	3	1518	CWD	1	WL	3	N/A	OFF	3RS ET	22.2293	113.8371	AUTUMN	NONE
25-Oct-16	4	1523	CWD	3	WL	3	N/A	OFF	3RS ET	22.2386	113.8406	AUTUMN	PURSE SEINE
26-Oct-16	1	1032	CWD	1	WL	2	135	ON	3RS ET	22.2675	113.8600	AUTUMN	NONE
26-Oct-16	2	1047	CWD	2	WL	2	149	ON	3RS ET	22.2616	113.8553	AUTUMN	NONE
26-Oct-16	3	1112	CWD	1	WL	2	168	ON	3RS ET	22.2500	113.8348	AUTUMN	NONE
26-Oct-16	4	1133	CWD	2	WL	2	38	ON	3RS ET	22.2413	113.8394	AUTUMN	NONE
26-Oct-16	5	1219	CWD	7	WL	4	286	ON	3RS ET	22.2143	113.8219	AUTUMN	NONE
26-Oct-16	6	1309	CWD	1	WL	4	390	ON	3RS ET	22.1885	113.8419	AUTUMN	PURSE SEINE
26-Oct-16	7	1350	CWD	4	SWL	3	441	ON	3RS ET	22.1933	113.8493	AUTUMN	NONE
26-Oct-16	8	1403	CWD	2	SWL	3	14	ON	3RS ET	22.1905	113.8490	AUTUMN	NONE
26-Oct-16	9	1412	CWD	2	SWL	3	395	ON	3RS ET	22.1863	113.8488	AUTUMN	NONE
26-Oct-16	10	1440	CWD	1	SWL	3	63	ON	3RS ET	22.1976	113.8589	AUTUMN	NONE
28-Oct-16	1	0949	CWD	7	NWL	2	210	ON	3RS ET	22.3757	113.8682	AUTUMN	NONE
28-Oct-16	2	1145	CWD	2	NWL	2	623	ON	3RS ET	22.3548	113.8781	AUTUMN	NONE
04-Nov-16	1	1041	CWD	4	NWL	3	330	ON	3RS ET	22.2788	113.8779	AUTUMN	NONE
04-Nov-16	2	1221	CWD	3	NWL	3	149	ON	3RS ET	22.3807	113.8890	AUTUMN	NONE
14-Nov-16	1	1406	CWD	1	SWL	2	19	ON	3RS ET	22.2076	113.8796	AUTUMN	NONE
17-Nov-16	1	1226	CWD	4	WL	3	1	ON	3RS ET	22.2311	113.8389	AUTUMN	NONE
17-Nov-16	2	1308	CWD	3	WL	2	390	ON	3RS ET	22.2452	113.8508	AUTUMN	NONE
17-Nov-16	3	1415	CWD	2	WL	2	11	ON	3RS ET	22.2900	113.8614	AUTUMN	NONE
18-Nov-16	1	1041	CWD	1	WL	3	243	ON	3RS ET	22.2571	113.8373	AUTUMN	NONE
21-Nov-16	1	1035	CWD	5	NWL	3	9	ON	3RS ET	22.2844	113.8683	AUTUMN	NONE
28-Nov-16	1	1048	FP	1	SWL	3	52	ON	3RS ET	22.1579	113.9360	AUTUMN	NONE
28-Nov-16	2	1112	FP	1	SWL	4	125	ON	3RS ET	22.1689	113.9277	AUTUMN	NONE
28-Nov-16	3	1116	FP	1	SWL	4	183	ON	3RS ET	22.1703	113.9273	AUTUMN	NONE

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.
28-Nov-16	4	1139	CWD	4	SWL	3	86	ON	3RS ET	22.2050	113.9178	AUTUMN	NONE
28-Nov-16	5	1430	CWD	1	SWL	3	125	ON	3RS ET	22.1967	113.8778	AUTUMN	NONE
28-Nov-16	6	1514	CWD	5	SWL	4	148	ON	3RS ET	22.1979	113.8683	AUTUMN	NONE

Abbreviations: STG# = Sighting Number; GP SZ = Dolphin Group Size; BEAU = Beaufort Sea State; PSD = Perpendicular Distance (in metres); N/A = Not Applicable; DEC LAT = Latitude (WGS84 in Decimal), DEC LON = Longitude (WGS84 in Decimal); BOAT ASSOC. = Fishing Boat Association

Notes:

CWD monitoring survey data of the two preceding survey months (i.e. September and October 2016) are presented for reference only. No relevant figure or text will be mentioned in the monthly EM&A report.

Sighting data of finless porpoise (FP) are presented for reference only. No relevant figure or text will be mentioned in the monthly EM&A report. All FP sightings are excluded in calculation.

Calculation of the running quarterly STG and ANI in the whole survey area (NEL, NWL, AW, WL, SWL):

A total of 1238.24 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 44 on-effort sightings and total number of 133 dolphins from on-effort sightings were collected under such condition. Calculation of the running quarterly encounter rates are shown as below:

Running Quarterly Encounter Rate of Number of Dolphin Sightings (STG)

$$STG = \frac{44}{1238.24}\ x\ 100 = 3.55$$

Running Quarterly Encounter Rate of Number of Dolphins (ANI)

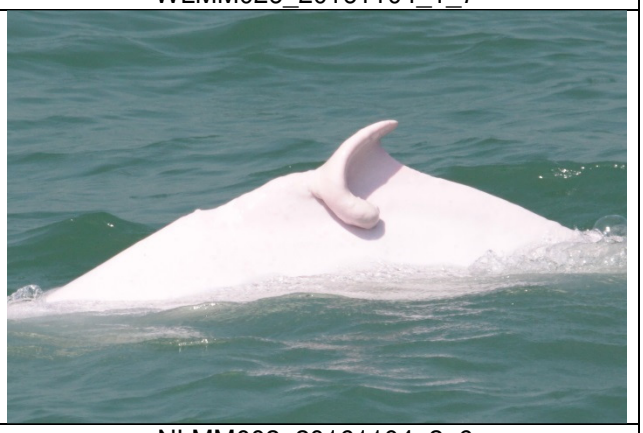
$$ANI = \frac{133}{1238.24}\ x\ 100 = 10.74$$

CWD Small Vessel Line-transect Survey **Photo Identification**

SLMM028_20161104_1_8

WLMM026_20161104_1_7

WLMM027_20161104_1_13



NLMM002_20161104_2_6

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NLMM013_20161104_2_5

SLMM033_20161114_1_7

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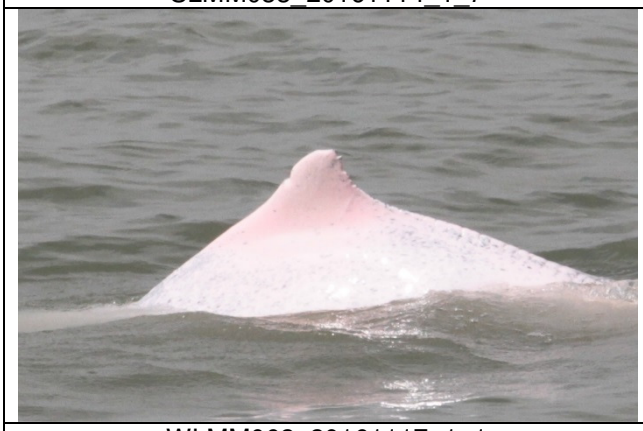

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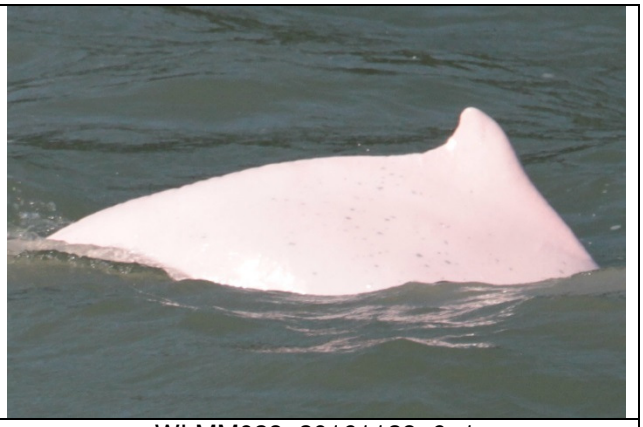
SLMM010_20161118_1_2

NLMM043_20161121_1_3

NLMM044_20161121_1_5

SLMM011_20161121_1_2

SLMM012_20161128_4_2

	
SLMM017_20161128_4_6	WLMM028_20161128_6_1
WLMM029_20161128_4_2	

CWD Land-based Theodolite Tracking

CWD Groups by Survey Date

Date	Station	Start Time	End Time	Duration	Beaufort Range	Visibility	No. of Focal Follow Dolphin Groups Tracked	Dolphin Group Size Range
7-Nov-16	Lung Kwu Chau	8:30	14:30	6:00	2-3	2-3	5	1-3
8-Nov-16	Sha Chau	8:34	14:34	6:00	2-3	2-3	0	N/A
15-Nov-16	Lung Kwu Chau	9:26	15:26	6:00	2	4	3	2-3
17-Nov-16	Sha Chau	8:44	14:44	6:00	2	3	0	N/A
25-Nov-16	Lung Kwu Chau	8:38	14:48	6:10	2-4	2	2	2-3

Visibility: 1=Excellent, 2=Good, 3=Fair, 4=Poor