

Appendix N Exceedance Report

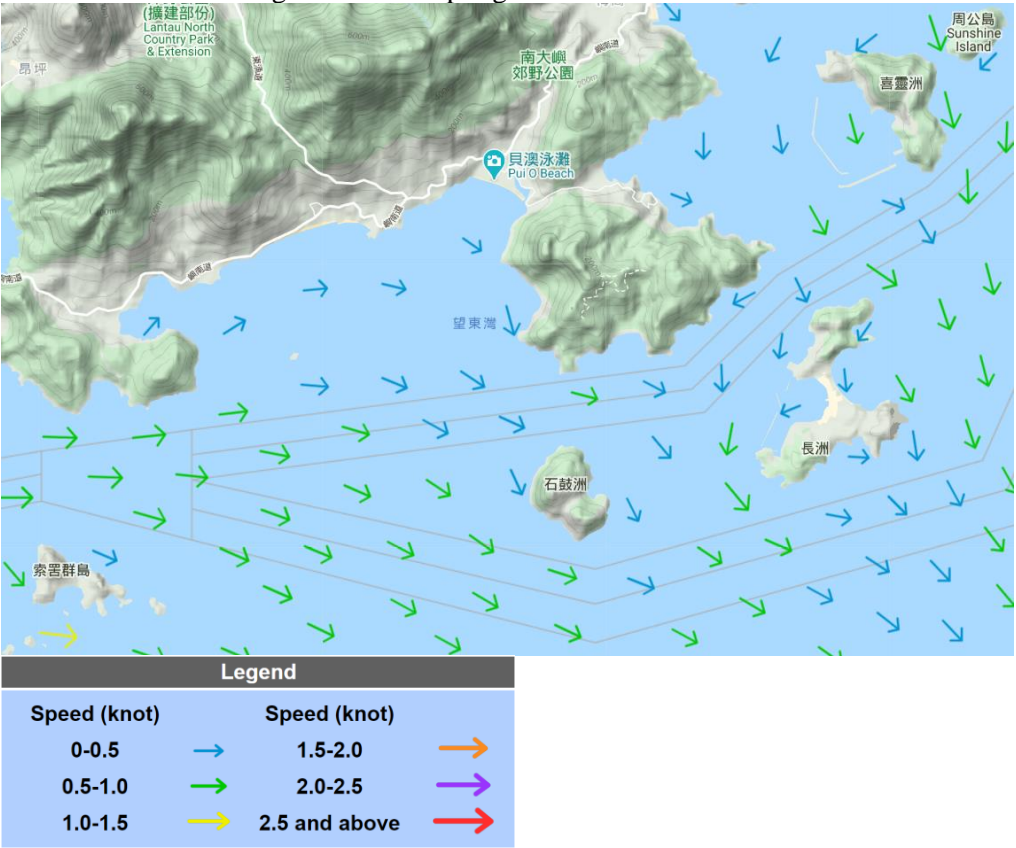
Statistical Summary of Exceedances in the Reporting Period

Water Quality (Regular DCM)			
Location	Action Level	Limit Level	Total
B1	2	1	3
B2	1	0	1
B3	2	0	2
B4	2	0	2
CR1	1	1	2
CR2	0	1	1
F1A	3	0	3
H1	1	0	1
S1	0	1	1
S2A	2	1	3
S3	1	1	2
M1	1	0	1

Noise (Day Time)			
Location	Action Level	Limit Level	Total
M1 / N_S1	0	0	0
M2 / N_S2	0	0	0
M3 / N_S3	0	0	0
Noise (Evening Time)			
Location	Action Level	Limit Level	Total
M1 / N_S1	0	0	0
M2 / N_S2	0	0	0
M3 / N_S3	0	0	0
Noise (Night Time)			
Location	Action Level	Limit Level	Total
M1 / N_S1	0	0	0
M2 / N_S2	0	0	0
M3 / N_S3	0	0	0

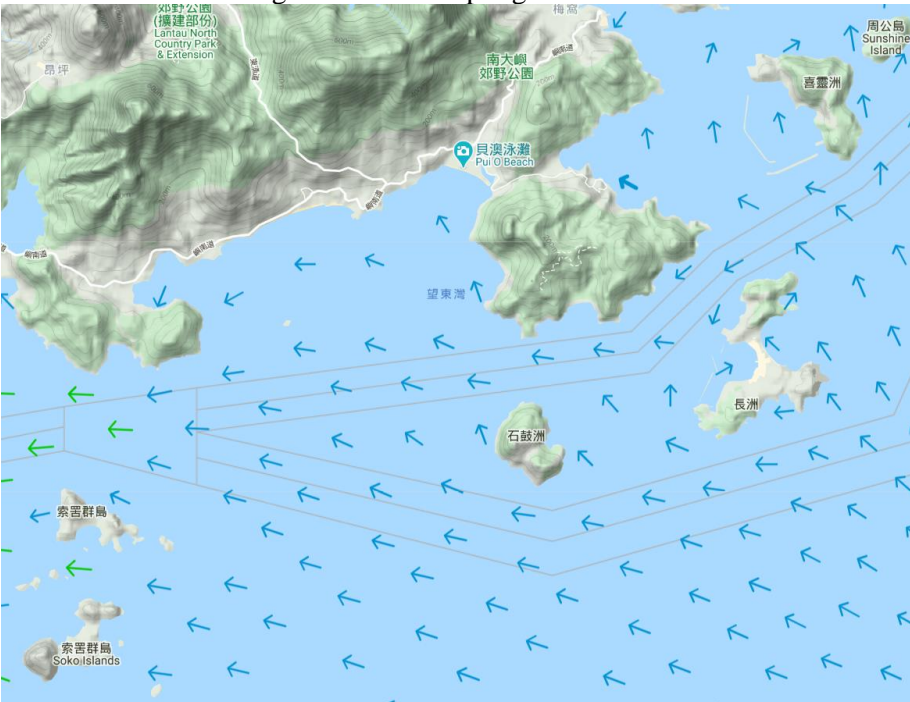
Incident Report on Action Level or Limit Level Non-compliance

Project	Integrated Waste Management Facilities, Phase 1		
Date	10 Feb 2020 (Lab result received on 13 Feb 2020)		
Time	11:37 – 15:07 (Mid-Ebb)		
Monitoring Location	Mid-Ebb B1, F1A & S1		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 10.6 mg/L (120% of C1A)		≥ 11.5 mg/L (130% of C1A)
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	11.8 mg/L (B1) 11.0 mg/L (F1A) 12.0 mg/L (S1)	8.8 mg/L (C1A) 7.2 mg/L (C2A)	8.5 mg/L (B2) 8.0 mg/L (B3) 9.5 mg/L (B4) 9.5 mg/L (H1) 7.2 mg/L (M1) 8.3 mg/L (CR1) 8.7 mg/L (CR2) 10.2 mg/L (S2A) 9.2 mg/L (S3)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 10 Feb 2020 include DCM main works, infilling of caisson, DCM sample coring for DCM main works, cone penetration test, levelling the slag materials, laying sand blanket, loading slag materials, dredging work, repairing of silt curtain, installation of blockwork seawall, laying of rockfill, flattening of rockfill, installation of caisson and survey work.</p> <p>Dominating sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>B1, F1A & S1 are located at unrelated stream direction (neither upstream nor downstream, far away) to the works location, exceedances of these monitoring station are deemed to be unrelated to the Project.</p>		

	<p>Silt curtain checking was implemented by the Contractor on DL-4 (07:00), GD-851 (07:00), 宏建 2 (07:00), 宏建 3 (07:00), 永照 18 (07:00) & Cheung Kee No.10 (07:00) and checking results showed that no deficiency of silt curtain was found on that day. No DCM works scheduled on ESC-61 & ESC-62 were carried out with refer to the site diary on that day.</p> <p>From MMO monitoring records on 10 Feb 2020, MMO teams were arranged for six derrick barges (宏建 2, 宏建 3, GD-851, Cheung Kee No.10, 永照 18, DL-4) and two DCM barges (ESC-61 & ESC-62) on that day while no deficiency of silt curtain was found before the commencement of and during construction activity.</p> <p>According to the field observation by Marine Mammal Observer team & sampling team during sampling event, no silt plume was observed in the Project site.</p> <p>Weekly site inspection for Portion 7 &7A (Tung Chung) was conducted on 07 Feb 2020 and no relevant observations were observed.</p>
<p>Actions taken / to be taken</p>	<p>Examination of environmental performance of the Project will be continued during the weekly inspection, and the Contractor is reminded to implement all applicable mitigation measures as per the Updated EM&A Manual.</p>
<p>Remarks</p>	<p>Current direction during mid-ebb sampling on 10 Feb 2020:</p>  <p>(Sourced from http://current.hydro.gov.hk/en/map.html)</p>
<p>Prepared by</p>	<p>Polar Chan</p>
<p>Date</p>	<p>14 Feb 2020</p>

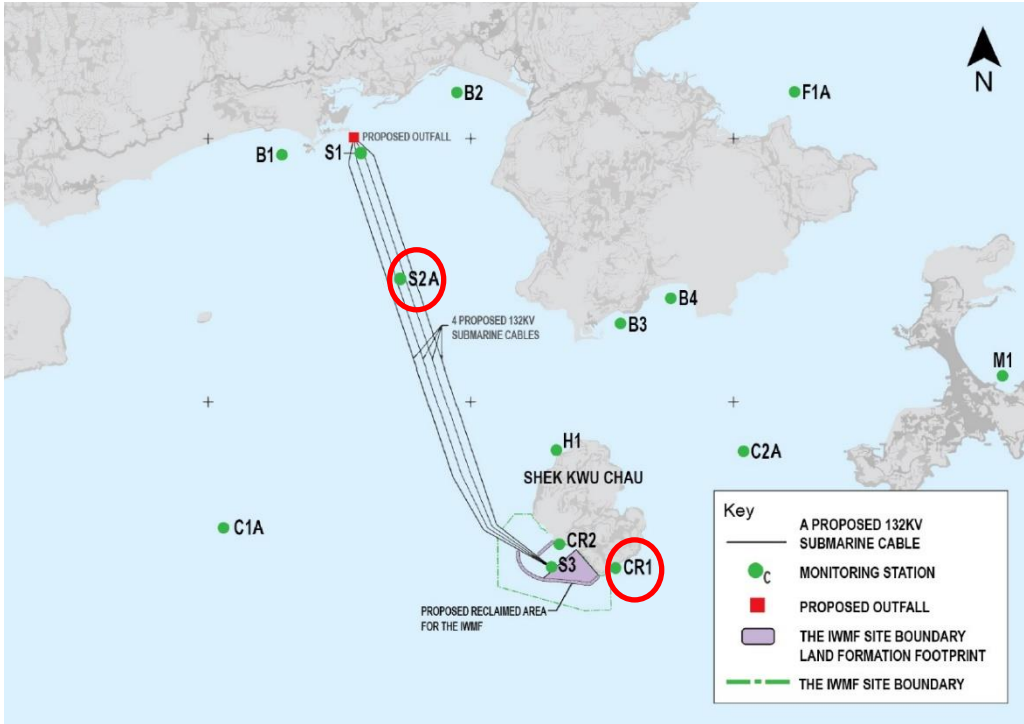
Incident Report on Action Level or Limit Level Non-compliance

Project	Integrated Waste Management Facilities, Phase 1		
Date	12 Feb 2020 (Lab result received on 17 Feb 2020)		
Time	08:00 – 11:00 (Mid-Flood)		
Mid-Flood			
Monitoring Location	B3 		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 8.0 mg/L		≥ 10.0 mg/L
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	8.3 mg/L (B3)	3.8 mg/L (C1A) 5.7 mg/L (C2A)	5.8 mg/L (B1) 6.8 mg/L (B2) 5.3 mg/L (B4) 4.3 mg/L (F1A) 5.0 mg/L (H1) 7.3 mg/L (M1) 6.8 mg/L (CR1) 7.2 mg/L (CR2) 3.8 mg/L (S1) 6.5 mg/L (S2A) 7.8 mg/L (S3)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 12 Feb 2020 include DCM main works, infilling of caisson, DCM sample coring for DCM main works, cone penetration test, levelling the slag materials, laying of sand blanket, loading slag materials, dredging work, installation of blockwork seawall, laying of rockfill, installation of caisson and survey work.</p> <p>Dominating sea current direction was found to be from Southeast to Northwest at waters around Shek Kwu Chau.</p> <p>B3 is located at unrelated stream direction (neither upstream nor downstream, far away) to the works location, exceedance of this monitoring station is deemed to be</p>		

	<p>unrelated to the Project.</p> <p>Silt curtain checking was implemented by the Contractor on DL4 (07:00), GD-851 (07:00), 冠亞 2 (18:00), 宏建 2 (07:00), 宏建 3 (07:00), 志富 (07:00), 永照 18 (07:00), 永高 (07:00) & Cheung Kee No.10 (07:00, 17:30@11 Feb) and checking results showed that no deficiency of silt curtain was found on that day. As confirmed by the Contractor, sand blanket laying work for Cheung Kee No.10 was carried out before 07:00, hence silt curtain of Cheung Kee No. 10 was checked twice in the morning and afternoon on 11 Feb 2020. No DCM works scheduled in ESC-61 & ESC-62 were carried out with refer to the site diary on that day.</p> <p>From MMO monitoring records on 12 Feb 2020, MMO teams were arranged for nine derrick barges (Cheung Kee No.10, GD-851, 宏建 2, 宏建 3, 永照 18, 永高, DL-4, 志富, 冠亞 2) and two DCM barges (ESC-61 & ESC-62) on that day while no deficiency of silt curtain was found before the commencement of and during construction activity.</p> <p>According to the field observation by Marine Mammal Observer team & sampling team during sampling event, no silt plume was observed in the Project site.</p> <p>Site tidiness in the present barges in the Project site were checked during weekly site inspection on 11 Feb 2020 while loose soil was observed on the rack of the silt curtain of GD-851. However, according to the rationale in previous paragraphs, this observation might not contribute to the increase of the suspended solids recorded.</p>
<p>Actions taken / to be taken</p>	<p>The frame of the silt curtain has been cleaned and installed to other barge on 13 Feb 2020 while standing by. The Contractor was reminded that the loose soil should be cleared to prevent falling into the water body.</p> <p>Examination of environmental performance of the Project will be continued during the weekly inspection, and the Contractor is reminded to implement all applicable mitigation measures as per the Updated EM&A Manual.</p>
<p>Remarks</p>	<p>Current direction during mid-flood sampling on 12 Feb 2020:</p> 

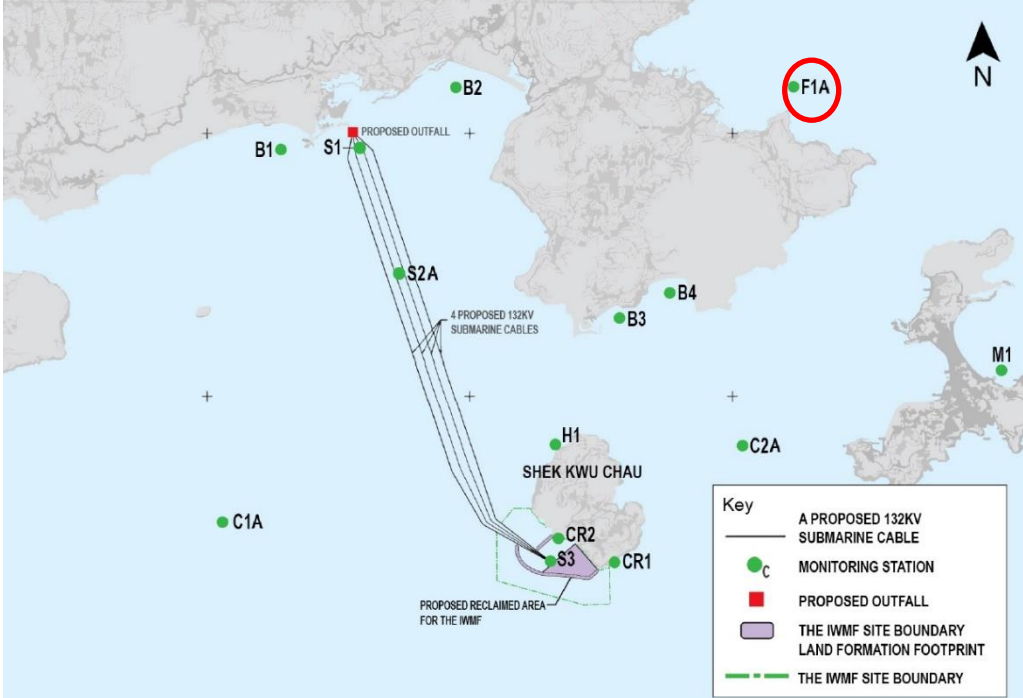
	<table border="1"><thead><tr><th colspan="4">Legend</th></tr><tr><th colspan="2">Speed (knot)</th><th colspan="2">Speed (knot)</th></tr></thead><tbody><tr><td>0-0.5</td><td>→</td><td>1.5-2.0</td><td>→</td></tr><tr><td>0.5-1.0</td><td>→</td><td>2.0-2.5</td><td>→</td></tr><tr><td>1.0-1.5</td><td>→</td><td>2.5 and above</td><td>→</td></tr></tbody></table> <p>(Sourced from http://current.hydro.gov.hk/en/map.html)</p>	Legend				Speed (knot)		Speed (knot)		0-0.5	→	1.5-2.0	→	0.5-1.0	→	2.0-2.5	→	1.0-1.5	→	2.5 and above	→	
Legend																						
Speed (knot)		Speed (knot)																				
0-0.5	→	1.5-2.0	→																			
0.5-1.0	→	2.0-2.5	→																			
1.0-1.5	→	2.5 and above	→																			
Prepared by	Polar Chan																					
Date	18 Feb 2020																					

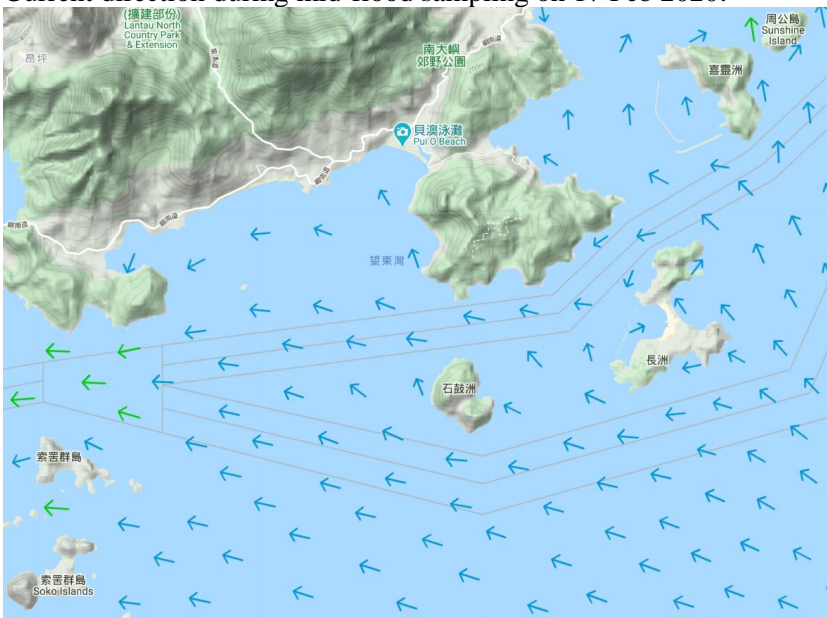
Incident Report on Action Level or Limit Level Non-compliance

Project	Integrated Waste Management Facilities, Phase 1		
Date	14 Feb 2020 (Lab result received on 18 Feb 2020)		
Time	08:27 – 11:57 (Mid-Flood)		
Mid-Flood			
Monitoring Location	CR1 & S2A 		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 8.0 mg/L		≥ 10.0 mg/L
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	9.0 mg/L (CR1) 8.8 mg/L (S2A)	3.0 mg/L (C1A) 4.8 mg/L (C2A)	4.8 mg/L (B1) 5.3 mg/L (B2) 4.5 mg/L (B3) 5.0 mg/L (B4) 3.2 mg/L (F1A) 5.2 mg/L (H1) 4.7 mg/L (M1) 7.0 mg/L (CR2) 3.0 mg/L (S1) 7.5 mg/L (S3)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 14 Feb 2020 include DCM main works, repair of silt curtain, DCM sample coring for DCM main works, cone penetration test, levelling the slag materials, laying of sand blanket, loading slag materials, installation of caisson, dredging work, installation of blockwork seawall, laying of rockfill and survey works.</p> <p>Dominating sea current direction was found to be from Southeast to Northwest at waters around Shek Kwu Chau.</p> <p>S2A is located at unrelated stream direction (neither upstream nor downstream, far away) to the works location, exceedance of this monitoring station is deemed to be unrelated to the Project.</p>		

	<p>CR1 is located at upstream direction to the works location within the Project site while silt curtain checking by the Contractor was implemented on ESC-61 (07:00), ESC-62 (07:00), GD-851 (07:00), 宏建 2 (07:00), 宏建 3 (07:00), 志富 (07:00), 永照 18 (07:00), 永高 (07:00) & Cheung Kee No.10 (07:00) and checking results showed that no deficiency of silt curtain was found on that day.</p> <p>From MMO monitoring records on 14 Feb 2020, MMO teams were arranged for seven derrick barges (宏建 2, GD-851, 志富, 宏建 3, 永照 18, 永高, Cheung Kee No.10) and two DCM barges (ESC-61 & ESC-62) on that day while no deficiency of silt curtain was found before the commencement of and during construction activity.</p> <p>According to the field observation by Marine Mammal Observer team & sampling team during sampling event, no silt plume was observed in the Project site. It might suggest that exceedance at CR1 is deemed to be unrelated to the Project.</p> <p>Site tidiness in the present barges in the Project site were checked during weekly site inspection on 11 Feb 2020 while loose soil was observed on the rack of the silt curtain of GD-851. However, according to the rationale in previous paragraphs, this observation might not contribute to the increase of the suspended solids recorded.</p>
<p>Actions taken / to be taken</p>	<p>The frame of the silt curtain on GD-851 had been cleaned and installed to other barge on 13 Feb 2020 while standing by. The Contractor was reminded that the loose soil should be cleared to prevent falling into the water body.</p> <p>Examination of environmental performance of the Project will be continued during the weekly inspection, and the Contractor is reminded to implement all applicable mitigation measures as per the Updated EM&A Manual.</p>
<p>Remarks</p>	<p>Current direction during mid-flood sampling on 14 Feb 2020:</p> <p>(Sourced from http://current.hydro.gov.hk/en/map.html)</p>
<p>Prepared by</p>	<p>Polar Chan</p>
<p>Date</p>	<p>20 Feb 2020</p>

Incident Report on Action Level or Limit Level Non-compliance

Project	Integrated Waste Management Facilities, Phase 1		
Date	17 Feb 2020 (Lab result received on 19 Feb 2020)		
Time	10:59 – 14:29 (Mid-Flood)		
Mid-Flood			
Monitoring Location	F1A 		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 9.2 mg/L (120% of C2A)		≥ 10.0 mg/L
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	9.3 mg/L (F1A)	8.3 mg/L (C1A) 7.7 mg/L (C2A)	6.0 mg/L (B1) 6.5 mg/L (B2) 6.5 mg/L (B3) 6.0 mg/L (B4) 7.2 mg/L (H1) 8.0 mg/L (M1) 7.7 mg/L (CR1) 8.0 mg/L (CR2) 8.0 mg/L (S1) 7.2 mg/L (S2A) 6.0 mg/L (S3)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 17 Feb 2020 include DCM main works, repair of silt curtain, DCM sample coring for DCM main works, cone penetration test, levelling the slag materials, laying sand blanket, loading slag materials, dredging work, general site activities, installation of blockwork seawall, laying of rockfill and flattening of rockfill.</p> <p>Dominating sea current direction was found to be from Southeast to Northwest at waters around Shek Kwu Chau.</p> <p>F1A is located at unrelated stream direction (neither upstream nor downstream, far away) to the works location, exceedance of this monitoring station is deemed to be</p>		

	<p>unrelated to the Project.</p> <p>Silt curtain checking by the Contractor was implemented on ESC-61 (07:00), ESC-62 (07:00), GD-851 (07:00), 宏建 1 (07:00), 宏建 3 (07:00), 永照 18 (07:00), 永高 (07:00) & Cheung Kee No.10 (07:00) and checking results showed that no deficiency of silt curtain was found on that day.</p> <p>From MMO monitoring records on 17 Feb 2020, MMO teams were arranged for six derrick barges (GD-851, Cheung Kee No.10, 宏建 1, 宏建 3, 永照 18, 永高) and two DCM barges (ESC-61 & ESC-62) on that day while no deficiency of silt curtain was found before the commencement of and during construction activity.</p> <p>According to the field observation by Marine Mammal Observer team & sampling team during sampling event, no silt plume was observed in the Project site.</p> <p>Site tidiness in the present barges in the Project site were checked during weekly site inspection on 11 Feb 2020 while loose soil was observed on the rack of the silt curtain of GD-851. However, according to the rationale in previous paragraphs, this observation might not contribute to the increase of the suspended solids recorded.</p>
<p>Actions taken / to be taken</p>	<p>The frame of the silt curtain on GD-851 had been cleaned and installed to other barge on 13 Feb 2020 while standing by. The Contractor was reminded that the loose soil should be cleared to prevent falling into the water body.</p> <p>Examination of environmental performance of the Project will be continued during the weekly inspection, and the Contractor is reminded to implement all applicable mitigation measures as per the Updated EM&A Manual.</p>
<p>Remarks</p>	<p>Current direction during mid-flood sampling on 17 Feb 2020:</p>  <p>(Sourced from http://current.hydro.gov.hk/en/map.html)</p>
<p>Prepared by</p>	<p>Polar Chan</p>
<p>Date</p>	<p>20 Feb 2020</p>

Incident Report on Action Level or Limit Level Non-compliance

Project	Integrated Waste Management Facilities, Phase 1		
Date	19 Feb 2020 (Lab result received on 24 Feb 2020)		
Time	13:06 – 16:36 (Mid-Flood)		
Monitoring Location	Mid-Flood B1, B2, B3, B4, H1, S2A & S3		
	<p>The map displays the Shek Kwu Chau area with various monitoring stations marked by green dots: B1, B2, B3, B4, H1, S2A, S3, S1, C1A, C2A, F1A, and M1. A red square indicates the proposed outfall S1. Four blue lines represent the proposed 132KV submarine cables. A purple shaded area shows the IWMF site boundary, and a green dashed line shows the land formation footprint. A north arrow is present in the top right corner.</p>		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 8.0 mg/L		≥ 10.0 mg/L
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	8.5 mg/L (B1) 9.3 mg/L (B2) 8.3 mg/L (B3) 8.5 mg/L (B4) 8.3 mg/L (H1) 8.0 mg/L (S2A) 8.2 mg/L (S3)	7.3 mg/L (C1A) 6.7 mg/L (C2A)	6.8 mg/L (F1A) 5.7 mg/L (M1) 6.8 mg/L (CR1) 6.0 mg/L (CR2) 7.8 mg/L (S1)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 19 Feb 2020 include DCM main works, repair of silt curtain, DCM sample coring for DCM main works, cone penetration test, levelling the slag materials, laying sand blanket, loading slag materials, dredging work, installation of blockwork seawall, laying of rockfill, flattening of rockfill and survey work.</p> <p>Dominating sea current direction was found to be from Southeast to Northwest at waters around Shek Kwu Chau.</p> <p>B1, B2, B3, B4 & S2A are located at unrelated stream direction (neither upstream nor downstream, far away) to the works location, exceedances of these monitoring stations are deemed to be unrelated to the Project.</p> <p>H1 is located downstream and S3 is located close to works location within the Project site while silt curtain checking by the Contractor was implemented on ESC-61 (07:00), GD-851 (07:00 & 21:15), 宏建 2 (07:00), 宏建 3 (07:00), 志富 (07:00), 永照</p>		

	<p>18 (07:00), 永高 (07:00) & Cheung Kee No.10 (08:00) and checking results showed that no deficiency of silt curtain was found on that day. No DCM works scheduled in ESC-62 was carried out with refer to the site diary on that day.</p> <p>From MMO monitoring records on 19 Feb 2020, MMO teams were arranged for seven derrick barges (永照 18, 志富, GD-851, 宏建 3, Cheung Kee No.10, 宏建 2, 永高) and two DCM barges (ESC-61 & ESC-62) on that day while no deficiency of silt curtain was found before the commencement of and during construction activity.</p> <p>According to the field observation by Marine Mammal Observer team & sampling team during sampling event, no silt plume was observed in the Project site. It might suggest that the exceedances at H1 & S3 is deemed to be unrelated to the Project.</p> <p>Site tidiness in the present barges in the Project site were checked during weekly site inspection on 11 Feb 2020 while loose soil was observed on the rack of the silt curtain of GD-851. However, according to the rationale in previous paragraphs, this observation might not contribute to the increase of the suspended solids recorded.</p>										
<p>Actions taken / to be taken</p>	<p>The frame of the silt curtain has been cleaned and installed to other barge on 13 Feb 2020 while standing by. The Contractor was reminded that the loose soil should be cleared to prevent falling into the water body.</p> <p>Examination of environmental performance of the Project will be continued during the weekly inspection, and the Contractor is reminded to implement all applicable mitigation measures as per the Updated EM&A Manual.</p>										
<p>Remarks</p>	<p>Current direction during mid-flood sampling on 19 Feb 2020:</p> <table border="1" data-bbox="470 1848 981 2027"> <thead> <tr> <th colspan="2">Legend</th> </tr> <tr> <th>Speed (knot)</th> <th>Speed (knot)</th> </tr> </thead> <tbody> <tr> <td>0-0.5</td> <td>1.5-2.0</td> </tr> <tr> <td>0.5-1.0</td> <td>2.0-2.5</td> </tr> <tr> <td>1.0-1.5</td> <td>2.5 and above</td> </tr> </tbody> </table> <p>(Sourced from http://current.hydro.gov.hk/en/map.html)</p>	Legend		Speed (knot)	Speed (knot)	0-0.5	1.5-2.0	0.5-1.0	2.0-2.5	1.0-1.5	2.5 and above
Legend											
Speed (knot)	Speed (knot)										
0-0.5	1.5-2.0										
0.5-1.0	2.0-2.5										
1.0-1.5	2.5 and above										

Prepared by	Polar Chan
Date	25 Feb 2020

Incident Report on Action Level or Limit Level Non-compliance

Project	Integrated Waste Management Facilities, Phase 1		
Date	24 Feb 2020 (Lab result received on 27 Feb 2020)		
Time	08:00 – 11:00 (Mid-Flood) 11:35 – 15:05 (Mid-Ebb)		
Mid-Flood			
Monitoring Location	B1, B4, CR1, CR2, S2A & S3		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 10.2 mg/L (120% of C2A)		≥ 11.1 mg/L (130% of C2A)
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	10.3 mg/L (B1) 10.5 mg/L (B4) 12.7 mg/L (CR1) 12.0 mg/L (CR2) 12.0 mg/L (S2A) 12.7 mg/L (S3)	7.8 mg/L (C1A) 8.5 mg/L (C2A)	9.3 mg/L (B2) 8.8 mg/L (B3) 8.3 mg/L (F1A) 8.7 mg/L (H1) 10.0 mg/L (M1) 7.5 mg/L (S1)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 24 Feb 2020 include DCM main works, DCM sample coring for DCM main works, cone penetration test, levelling the slag materials, laying of sand blanket, loading slag materials, dredging work, installation of blockwork seawall, laying of rockfill and flattening of rockfill.</p> <p>Dominating sea current direction was found to be from Southeast to Northwest at waters around Shek Kwu Chau.</p> <p>B1, B4 & S2A are located at unrelated stream direction (neither upstream nor downstream, far away) to the works location, exceedances of these monitoring stations are deemed to be unrelated to the Project.</p> <p>CR1 is located upstream, CR2 & S3 are located closed to the works location within the Project site while silt curtain checking by the Contractor was implemented on ESC-61 (07:00), FTB-25 (07:00), GD-851 (07:00), 宏建 3 (07:00), 志富 (07:00), 永</p>		

照 18 & Cheung Kee No. 10 (07:00) and checking results showed that no deficiency of silt curtain was found on that day. No DCM works scheduled in ESC-62 was carried out with refer to the site diary on that day.

From MMO monitoring records on 24 Feb 2020, MMO teams were arranged for six derrick barges (FTB-25, 志富, 宏建 3, GD-851, 永照 18, Cheung Kee No.10) and two DCM barges (ESC-61 & ESC-62) on that day while no deficiency of silt curtain was found before the commencement of and during construction activity.

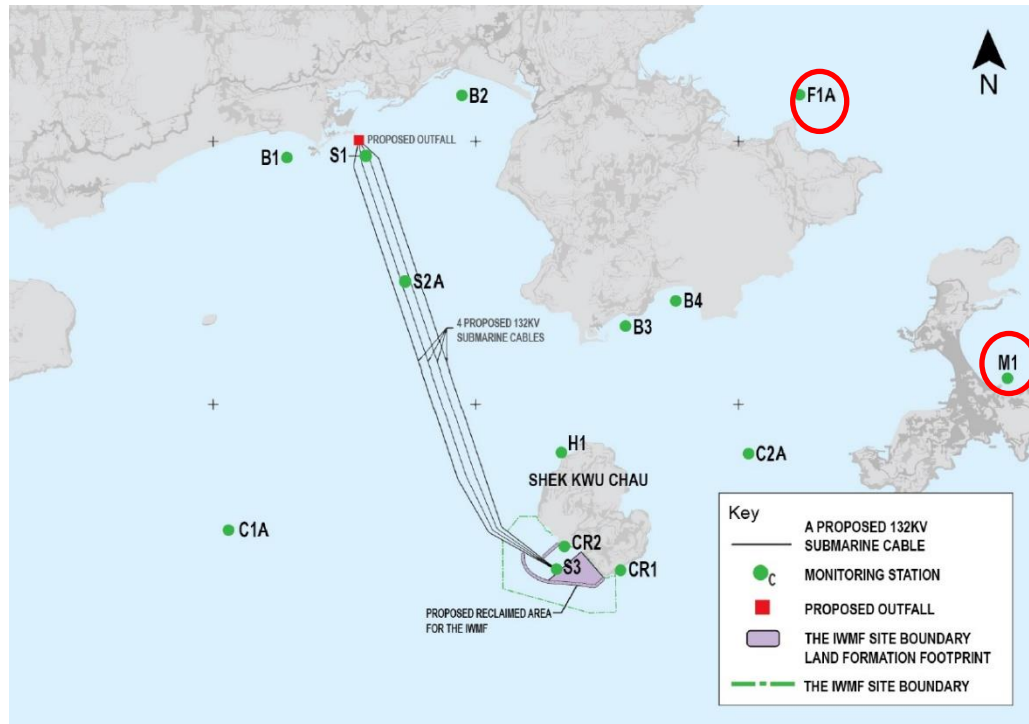
According to the field observation by Marine Mammal Observer team & sampling team during sampling event, no silt plume was observed in the Project site. It might suggest that exceedances at CR1, CR2 & S3 are deemed to be unrelated to the Project.

Site tidiness in the present barges in the Project site were checked during weekly site inspection on 20 Feb 2020 while some sediment was observed at the edge of DL-4 and floating debris was observed inside the silt curtain of 宏建 2. However, according to the rationale in previous paragraphs, these observations might not contribute to the increase of the suspended solids recorded.

Mid-Ebb

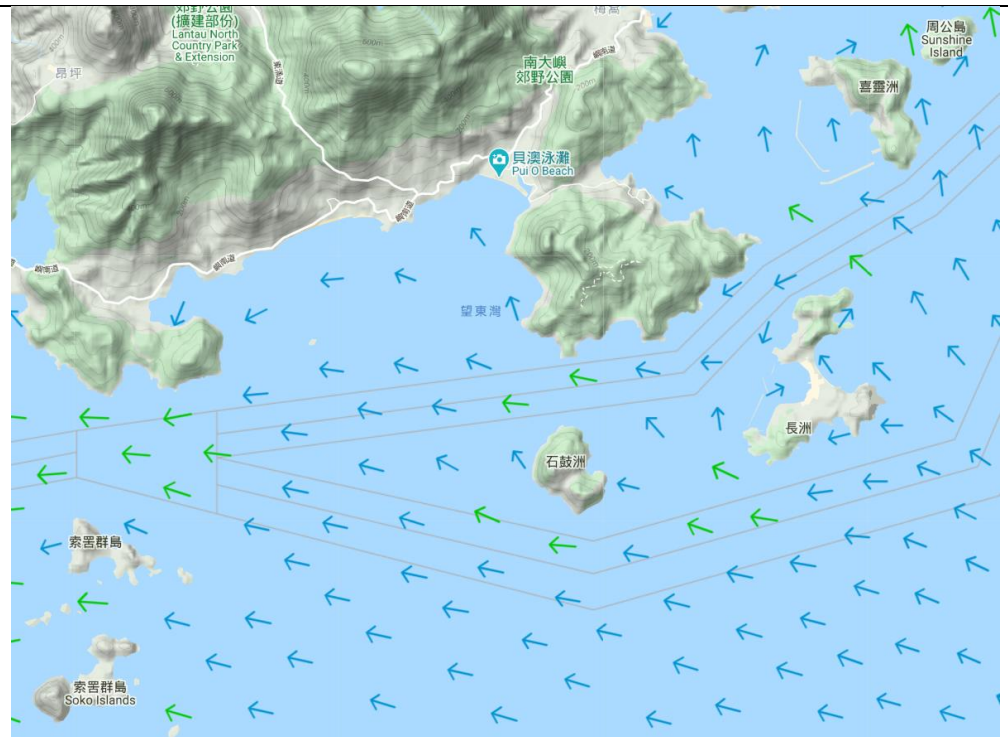
Monitoring Location

F1A & M1

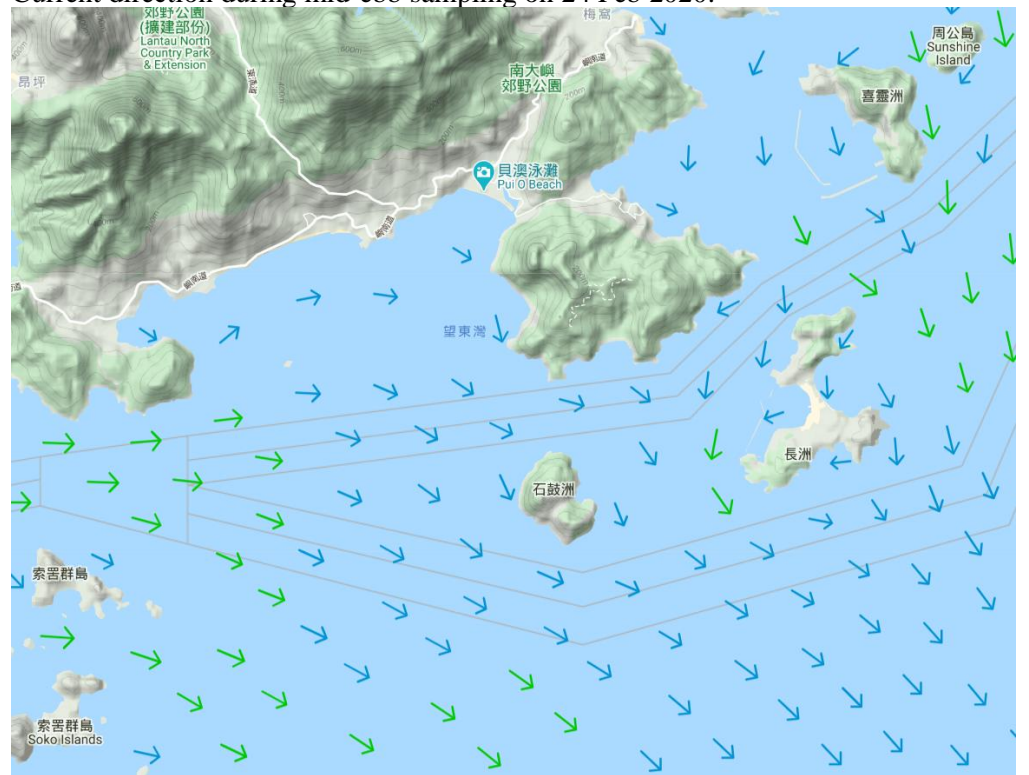


Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 9.2 mg/L (120% of C1A)		≥ 10.0 mg/L
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	9.7 mg/L (F1A) 9.2 mg/L (M1)	7.7 mg/L (C1A) 8.5 mg/L (C2A)	8.0 mg/L (B1) 8.8 mg/L (B2) 9.0 mg/L (B3) 7.8 mg/L (B4) 8.8 mg/L (H1) 8.2 mg/L (CR1) 9.0 mg/L (CR2) 7.3 mg/L (S1) 7.8 mg/L (S2A)

		8.2 mg/L (S3)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 24 Feb 2020 include DCM main works, DCM sample coring for DCM main works, cone penetration test, levelling the slag materials, laying of sand blanket, loading slag materials, dredging work, installation of blockwork seawall, laying of rockfill and flattening of rockfill.</p> <p>Dominating sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>F1A & M1 are located at unrelated stream direction (neither upstream nor downstream, far away) to the works location, exceedances of these monitoring stations are deemed to be unrelated to the Project.</p> <p>Silt curtain checking by the Contractor was implemented on ESC-61 (07:00), FTB-25 (07:00), GD-851 (07:00), 宏建 3 (07:00), 志富 (07:00), 永照 18 & Cheung Kee No. 10 (07:00) and checking results showed that no deficiency of silt curtain was found on that day. No DCM works scheduled in ESC-62 was carried out with refer to the site diary on that day.</p> <p>From MMO monitoring records on 24 Feb 2020, MMO teams were arranged for six derrick barges (FTB-25, 志富, 宏建 3, GD-851, 永照 18, Cheung Kee No.10) and two DCM barges (ESC-61 & ESC-62) on that day while no deficiency of silt curtain was found before the commencement of and during construction activity.</p> <p>According to the field observation by Marine Mammal Observer team & sampling team during sampling event, no silt plume was observed in the Project site.</p> <p>Site tidiness in the present barges in the Project site were checked during weekly site inspection on 20 Feb 2020 while some sediment was observed at the edge of DL-4 and floating debris was observed inside the silt curtain of 宏建 2. However, according to the rationale in previous paragraphs, these observations might not contribute to the increase of the suspended solids recorded.</p>	
Actions taken / to be taken	<p>The sediment on DL-4 had been cleaned on 22 Feb 2020. The Contractor was reminded that sediment should be cleared to prevent falling into the sea. Floating debris of 宏建 2 had been cleaned immediately on 20 Feb 2020. The Contractor was reminded that debris should be cleared to prevent washed out of the silt curtain by wave.</p> <p>Examination of environmental performance of the Project will be continued during the weekly inspection, and the Contractor is reminded to implement all applicable mitigation measures as per the Updated EM&A Manual.</p>	
Remarks	Current direction during mid-flood sampling on 24 Feb 2020:	



Current direction during mid-ebb sampling on 24 Feb 2020:



Legend	
Speed (knot)	Speed (knot)
0-0.5	1.5-2.0
0.5-1.0	2.0-2.5
1.0-1.5	2.5 and above

(Sourced from <http://current.hydro.gov.hk/en/map.html>)

Prepared by	Polar Chan
Date	28 Feb 2020