

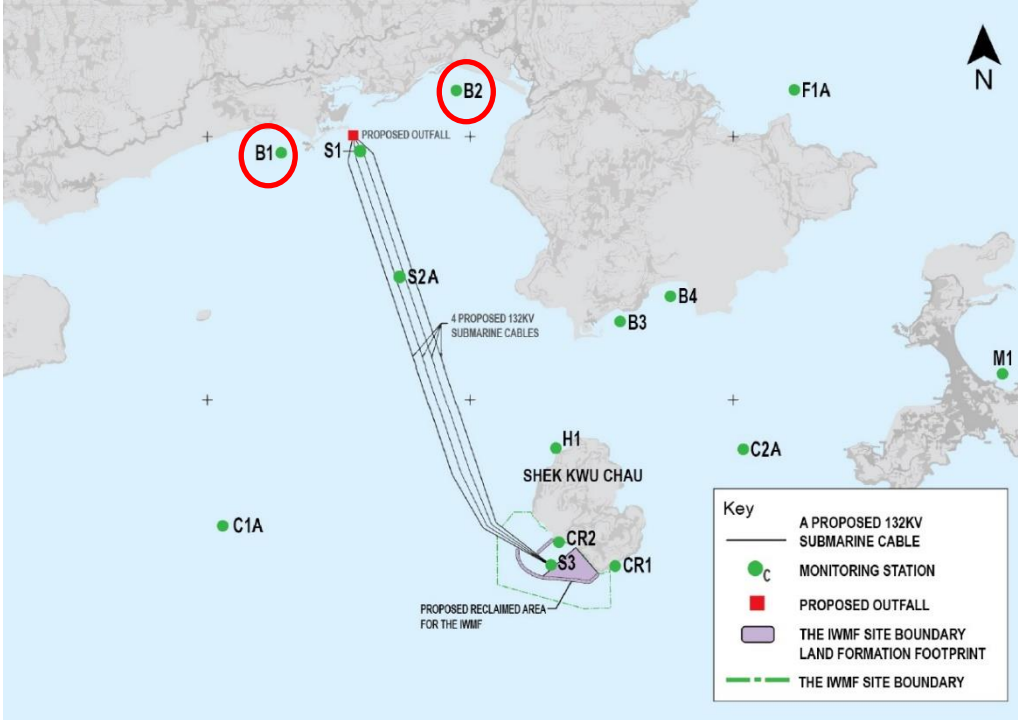
Appendix N Exceedance Report

Statistical Summary of Exceedances in the Reporting Period

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

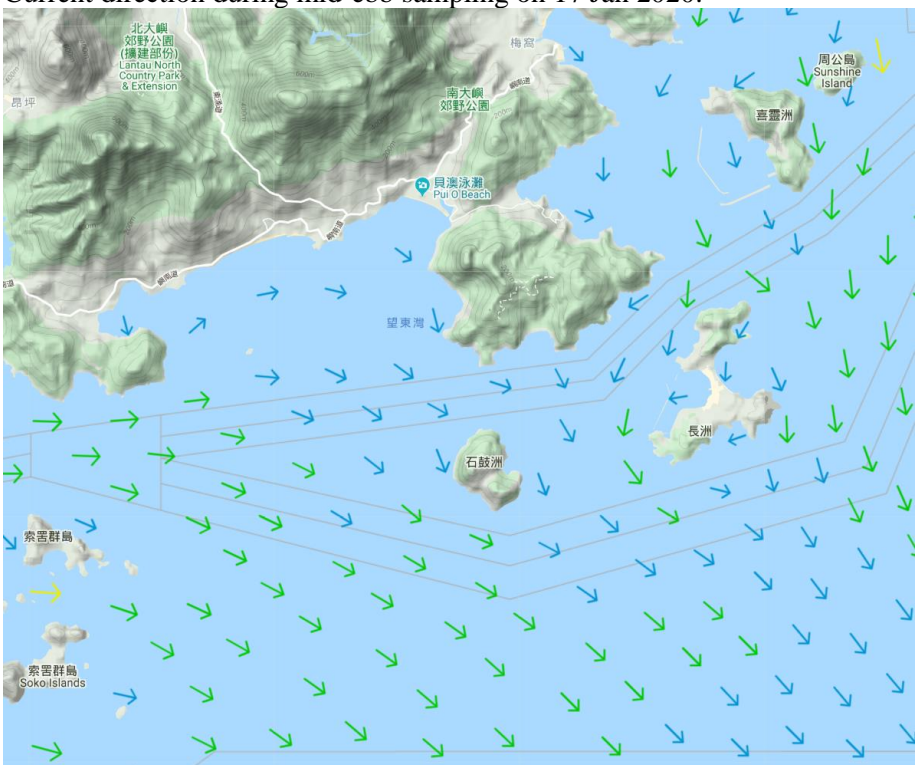
Incident Report on Action Level or Limit Level Non-compliance

Project	Integrated Waste Management Facilities, Phase 1		
Date	04 Jan 2020 (Lab result received on 08 Jan 2020)		
Time	12:15 – 15:45 (Mid-Flood)		
Mid-Flood			
Monitoring Location	B1 & B2 		
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) 8.5 mg/L (B2)	7.2 mg/L (C1A) 5.8 mg/L (C2A)	7.3 mg/L (B3) 6.5 mg/L (B4) 7.8 mg/L (F1A) 6.0 mg/L (H1) 6.8 mg/L (M1) 6.8 mg/L (CR1) 6.2 mg/L (CR2) 7.0 mg/L (S1) 5.0 mg/L (S2A) 7.0 mg/L (S3)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 04 Jan 2020 include DCM main works, infilling of caisson, DCM sample coring for DCM main works, cone penetration test levelling the slag materials, surveying works at vertical seawall, loading slag materials, removal of boulder, laying sand blanket, laying of rockfill, guide rail installation, flattening of rockfill and installation of caisson.</p> <p>Dominating sea current direction was found to be from Southeast to Northwest at waters around Shek Kwu Chau.</p> <p>B1 & B2 is 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>		

	<table border="1"> <thead> <tr> <th colspan="2">Legend</th> </tr> </thead> <tbody> <tr> <td>Speed (knot)</td> <td>Speed (knot)</td> </tr> <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>		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 →											
	(Sourced from http://current.hydro.gov.hk/en/map.html)											
Prepared by	Polar Chan											
Date	15 Jan 2020											

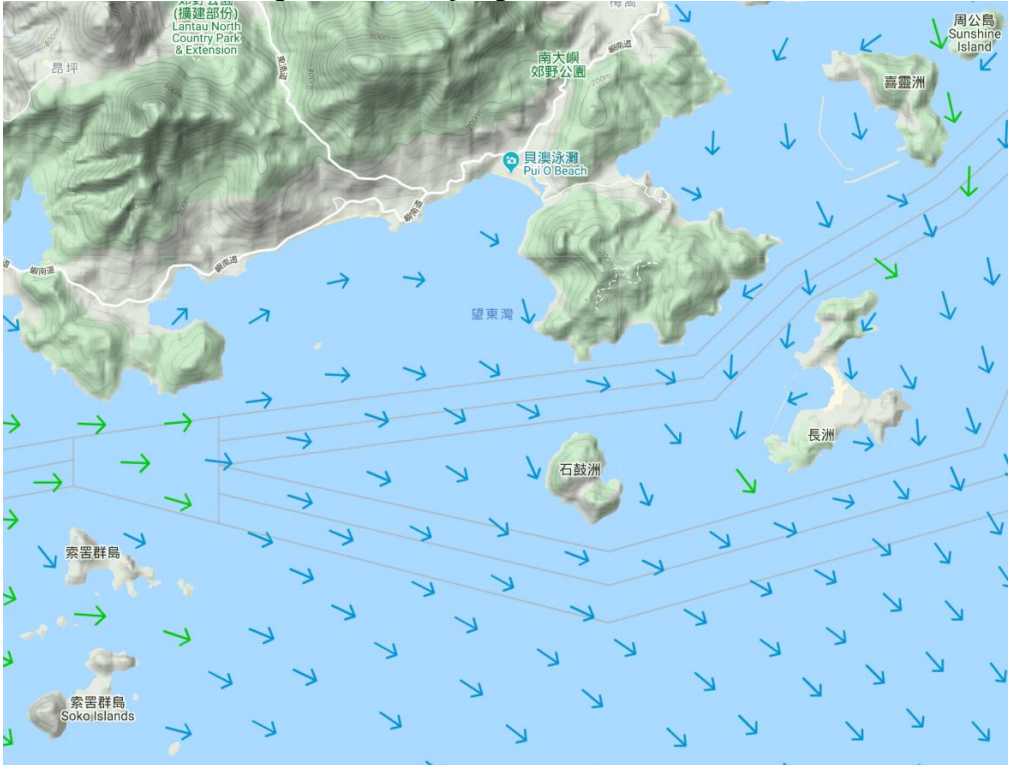
Incident Report on Action Level or Limit Level Non-compliance

Project	Integrated Waste Management Facilities, Phase 1		
Date	17 Jan 2020 (Lab result received on 23 Jan 2020)		
Time	13:38 – 17:08 (Mid-Ebb)		
Monitoring Location	Mid-Ebb		
	<p>The map shows the Shek Kwu Chau area with various monitoring stations (B1, B2, B3, B4, C1A, C2A, F1A, H1, CR1, CR2, CR3, S1, S2A, S3) and a proposed outfall (S1). Four proposed 132KV submarine cables are shown connecting the outfall to the site. A red circle highlights monitoring station M1. The map also indicates the proposed reclaimed area for the IWMF and the IWMF site boundary.</p>		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 16.2 mg/L (120% of C1A)		≥ 17.6 mg/L (130% of C1A)
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	17.7 mg/L (M1)	13.5 mg/L (C1A) 12.5 mg/L (C2A)	14.0 mg/L (B1) 13.3 mg/L (B2) 11.8 mg/L (B3) 13.0 mg/L (B4) 13.7 mg/L (F1A) 12.3 mg/L (H1) 10.7 mg/L (CR1) 11.3 mg/L (CR2) 10.8 mg/L (S1) 10.0 mg/L (S2A) 12.2 mg/L (S3)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 17 Jan 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, survey work, installation of blockwork seawall, guide rail installation, flattening of rockfill and laying of rockfill.</p> <p>Dominating sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>M1 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>Site curtain checking was implemented by the Contractor on DL4 (07:00 @ 16 Jan), ESC-61 (07:00), ESC-62 (07:00), GD-853 (07:00), 宏建 2 (07:00), 志富 (07:00), 港龍 108 (20:00), Cheung Kee No.10 (07:00) and checking results showed that no deficiency of silt curtain was found on that day. As confirmed by the Contractor, construction works at DL4 was conducted before 7:00 am on 17 Jan 2020, the silt curtain of DL4 was checked on 16 Jan 2020 instead. As per the site information provided from the Contractor, no works related to 宏建 5 was stated.</p> <p>From MMO monitoring records on 17 Jan 2020, MMO teams were arranged for derrick barges (GD-853, 宏建 5, 港龍 108, Cheung Kee No.10, 宏建 2, DL4 & 志富) 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 14 Jan 2020. No major observation of improper site practices that could contribute to the increase of the suspended solids recorded.</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 17 Jan 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>24 Jan 2020</p>

Incident Report on Action Level or Limit Level Non-compliance

Project	Integrated Waste Management Facilities, Phase 1		
Date	29 Jan 2020 (Lab result received on 04 Feb 2020)		
Time	13:43 – 17:13 (Mid-Ebb)		
Monitoring Location	Mid-Ebb		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 10.8 mg/L (120% of C1A)		≥ 11.7 mg/L (130% of C1A)
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	14.0 mg/L (S1) 11.3 mg/L (S2A)	9.0 mg/L (C1A) 9.8 mg/L (C2A)	7.5 mg/L (B1) 8.0 mg/L (B2) 9.8 mg/L (B3) 7.8 mg/L (B4) 9.8 mg/L (F1A) 10.0 mg/L (H1) 10.0 mg/L (M1) 9.0 mg/L (CR1) 8.7 mg/L (CR2) 10.0 mg/L (S3)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 29 Jan 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, survey work, installation of blockwork seawall, guide rail installation, flattening of rockfill, installation of caisson and laying of rockfill.</p> <p>Dominating sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>S1 & S2A 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 ESC-61 (09:00) & ESC-62 (07:00) and checking results showed no deficiency of silt curtain was found on that day. No slag materials levelling works scheduled in GD-853 was carried out with refer to the site diary on that day.</p> <p>From MMO monitoring records on 29 Jan 2020, MMO teams were arranged for one derrick barge (GD-853) and two DCM barges (ESC-61 & ESC-62) on that day while no deficiency of silt curtain was found before 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 21 Jan 2020. No major observation of improper site practices that could contribute to the increase of the suspended solids recorded.</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 29 Jan 2020:</p>  <table border="1" data-bbox="470 1653 986 1848"> <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	→																		
<p>Prepared by</p>	<p>Polar Chan</p>																				
<p>Date</p>	<p>04 Feb 2020</p>																				