

Appendix N Exceedance Report

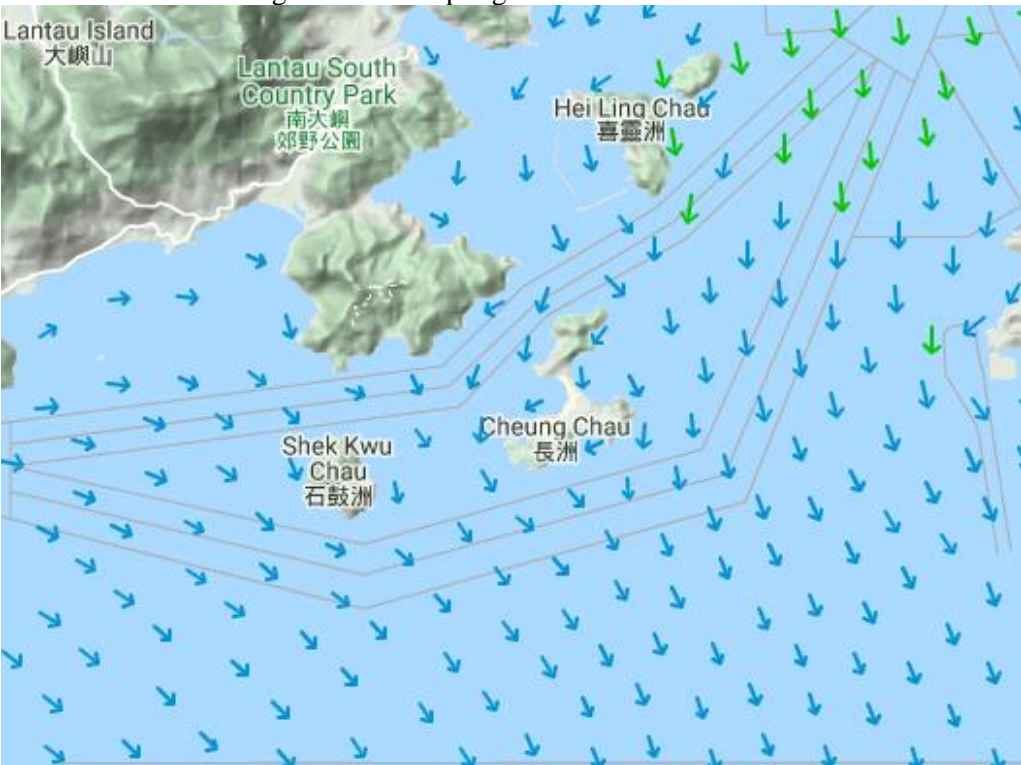
Statistical Summary of Exceedances in the Reporting Period

Water Quality (Regular DCM)			
Location	Action Level	Limit Level	Total
B1	1	2	3
B2	2	3	5
B3	2	3	5
B4	1	1	2
CR1	1	4	5
CR2	0	4	4
F1A	0	0	0
H1	0	1	1
S1	1	1	2
S2A	1	3	4
S3	1	2	3
M1	1	3	4

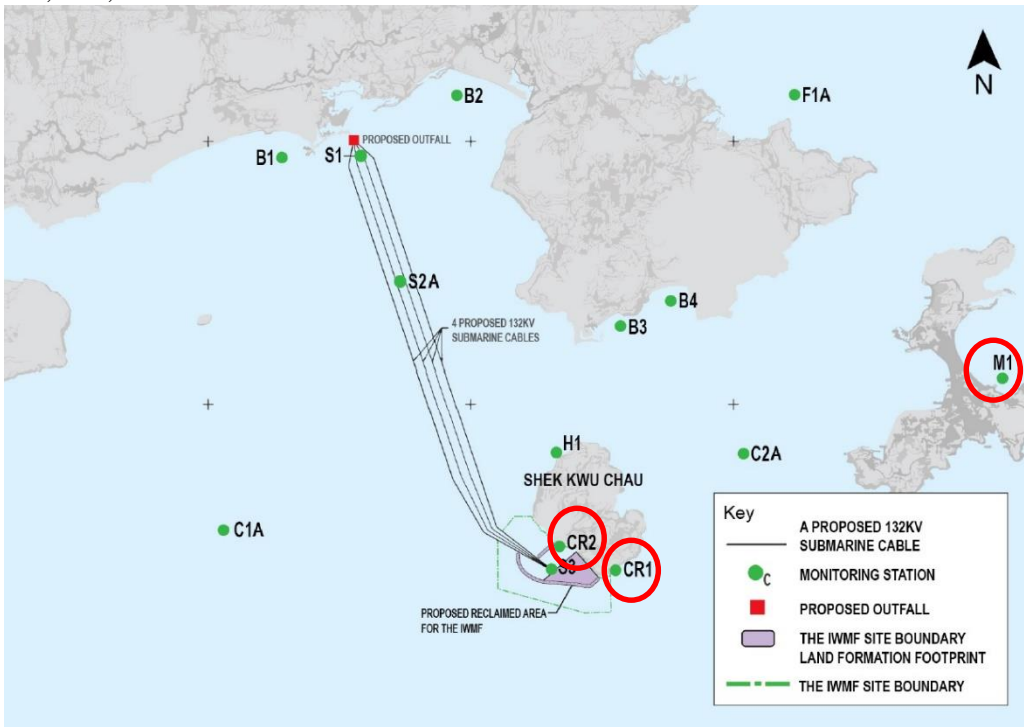
Noise (Day Time)			
Location	Action Level	Limit Level	Total
M1	0	0	0
M2	0	0	0
M3	0	0	0
Noise (Evening Time)			
Location	Action Level	Limit Level	Total
M1	0	0	0
M2	0	0	0
M3	0	0	0
Noise (Night Time)			
Location	Action Level	Limit Level	Total
M1	0	0	0
M2	0	0	0
M3	0	0	0

Incident Report on Action Level or Limit Level Non-compliance

Project	Integrated Waste Management Facilities, Phase 1		
Date	03 Oct 2020 (Lab result received on 07 Oct 2020)		
Time	11:25 – 14:55 (Mid-Ebb)		
Mid-Ebb			
Monitoring Location	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
	8.0 mg/L (B2)	4.8mg/L (C1A) 5.3 mg/L (C2A)	6.3 mg/L (B1) 7.0 mg/L (B3) 7.3 mg/L (B4) 4.3 mg/L (F1A) 6.3 mg/L (H1) 5.8 mg/L (M1) 4.2 mg/L (CR1) 5.0 mg/L (CR2)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 3 Oct 2020 include reclamation works, levelling the slag materials, loading slag materials, laying geotextile, laying of rockfill and caisson installation.</p> <p>Dominating sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>B2 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>Silt curtain checking by the Contractor was implemented on Marine Access (3 Oct 2020), Eastern Silt Curtain (3 Oct 2020) and GD-851 (3 Oct 2020) at around 07:00 am and checking results showed that no deficiency of silt curtain was found on that day.</p>		

	<p>From MMO monitoring records on 3 Oct 2020, MMO team was arranged for one crane barge (GD-851), silt curtain at western marine access area and the eastern silt curtain 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 29 Sep 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 03 Oct 2020:</p>  <p>(Sourced from http://current.hydro.gov.hk/en/map.html)</p>
<p>Prepared by</p>	<p>Joe Ho</p>
<p>Date</p>	<p>16 Oct 2020</p>

Incident Report on Action Level or Limit Level Non-compliance

Project	Integrated Waste Management Facilities, Phase 1		
Date	12 Oct 2020 (Lab result received on 15 Oct 2020)		
Time	08:00 – 11:30 (Mid-Ebb) 14:34 – 18:04 (Mid Flood)		
Mid-Ebb			
Monitoring Location	M1,CR1,CR2 		
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 (M1) 17.0 mg/L (CR1) 12.0 mg/L (CR2)	4.0mg/L (C1A) 6.3 mg/L (C2A)	4.3 mg/L (B1) 5.5 mg/L (B2) 6.3 mg/L (B3) 4.0 mg/L (B4) 6.5 mg/L (F1A) 5.8 mg/L (H1)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 12 Oct 2020 include reclamation works, levelling the slag materials, loading slag materials, laying geotextile, laying of rockfill and caisson installation.</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>CR1 and CR2 are located close to the works location within the Project site while silt curtain checking by the Contractor was implemented on Marine Access (12 Oct 2020, 08:06am), Eastern Silt Curtain (12 Oct 2020, 08:00am) and GD-851 (12 Oct 2020, 07:00am) and checking results showed that no deficiency of silt curtain was</p>		

found on that day.

From MMO monitoring records on 12 Oct 2020, MMO team was arranged for one crane barge (GD-851), silt curtain at western marine access area and the eastern silt curtain on that day while no deficiency of silt curtain was found before the commencement of and during construction activity.

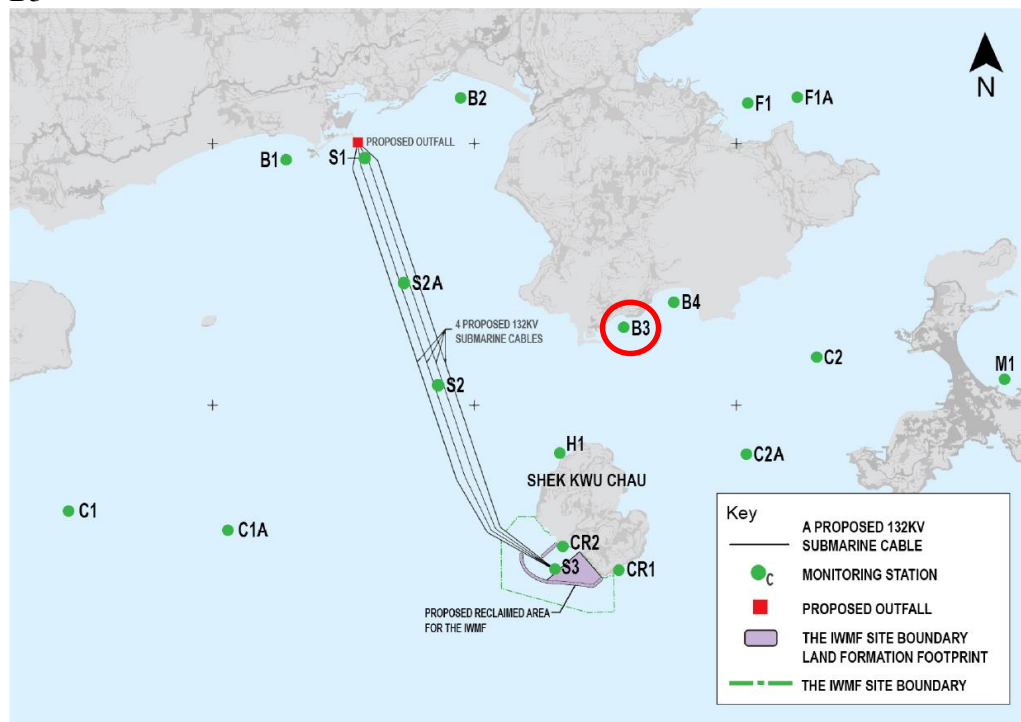
According to the field observation by Marine Mammal Observer team & sampling team during sampling event, no silt plume was observed in the Project site.

Site tidiness in the present barges in the Project site were checked during weekly site inspection on 06 Oct 2020. No major observation of improper site practices that could contribute to the increase of the suspended solids recorded.

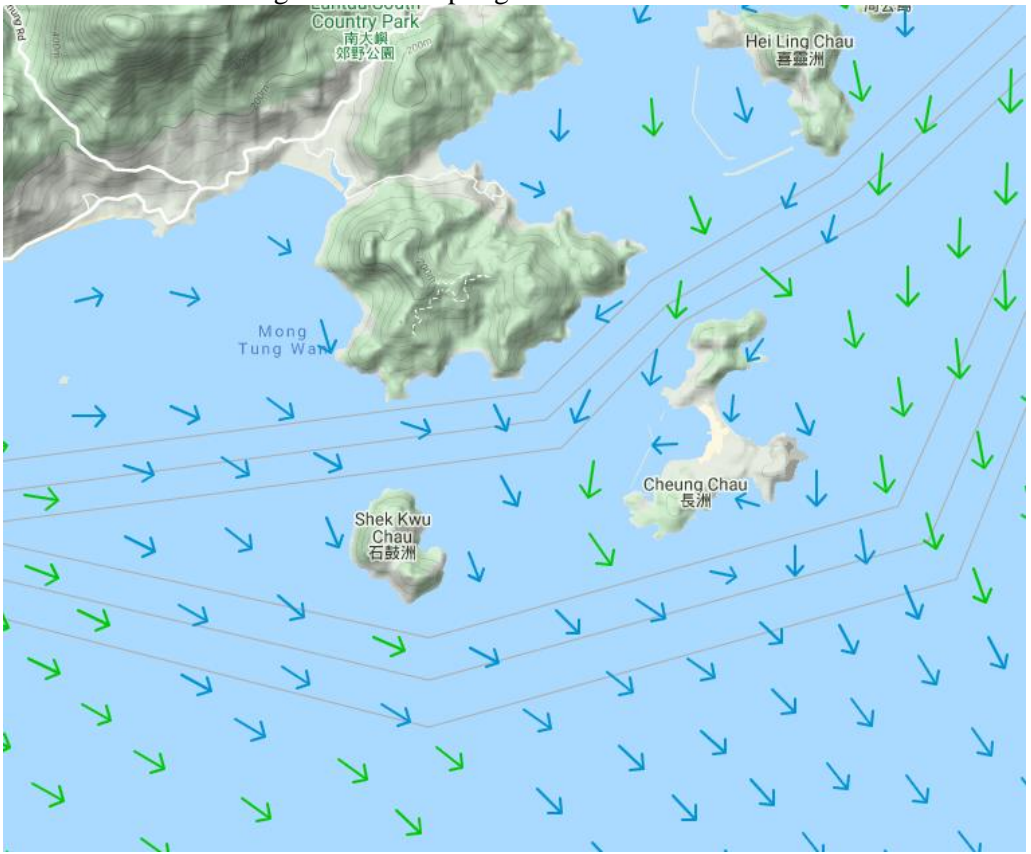
Mid-Flood

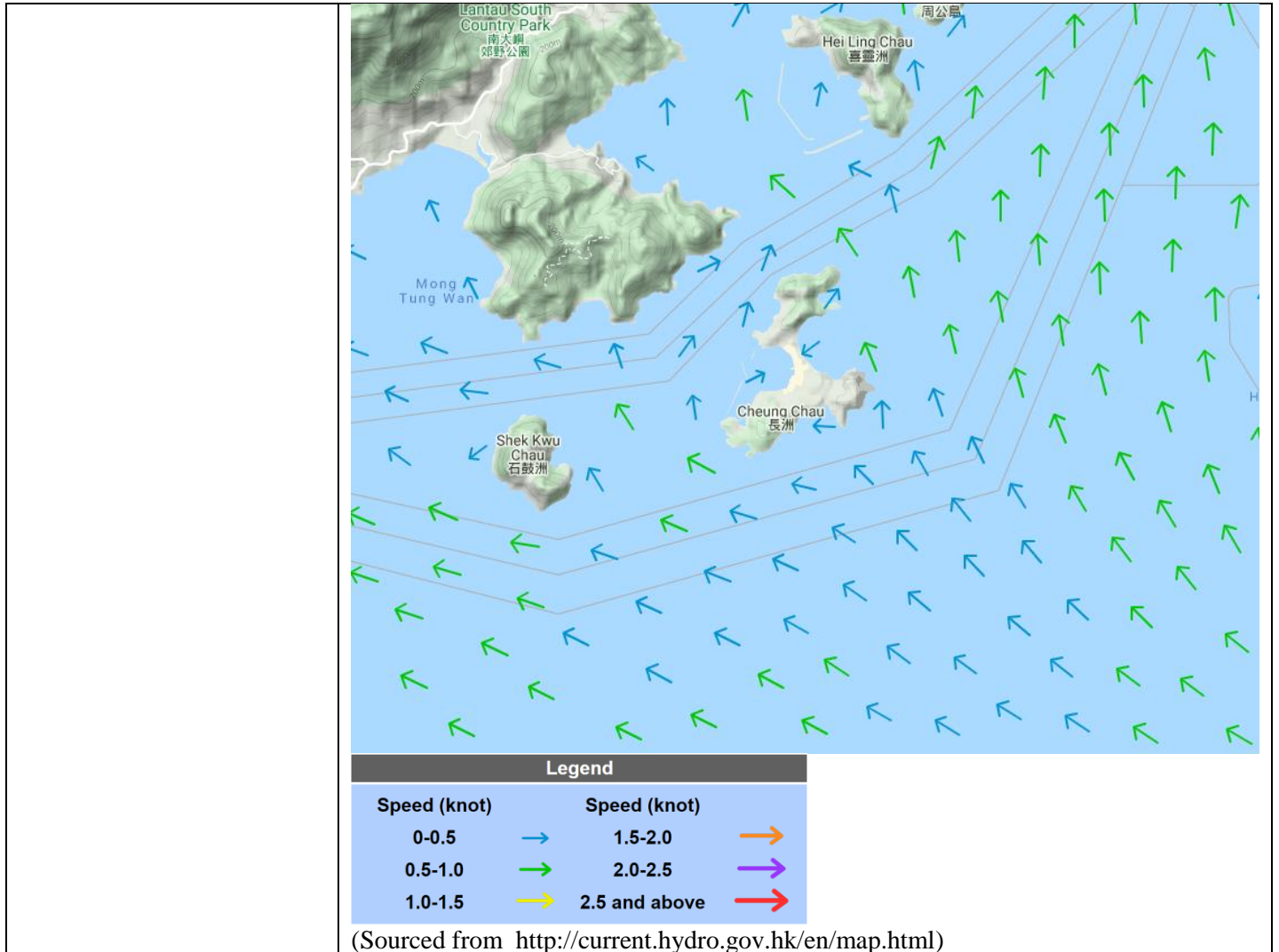
Monitoring Location

B3



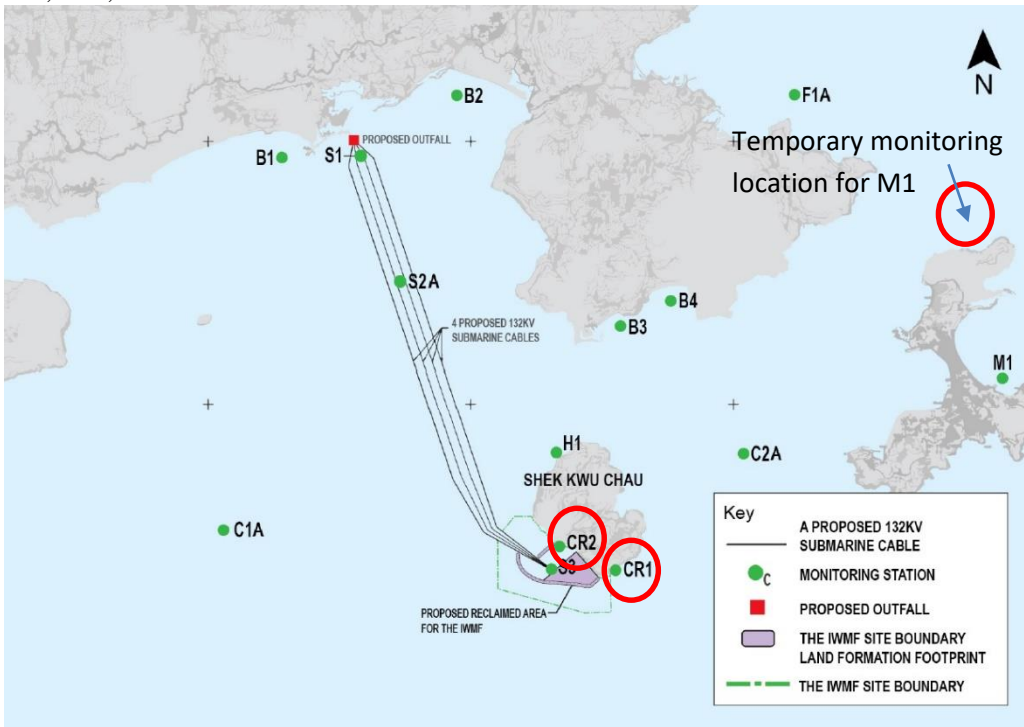
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 12.6 mg/L (120% of C2A)		≥ 13.7 mg/L (130% of C2A)
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	13.0 mg/L (B3)	11.3 mg/L (C1A) 10.5 mg/L (C2A)	6.0 mg/L (B1) 8.0 mg/L (B2) 12.0 mg/L (B4) 10.8 mg/L (F1A) 9.3 mg/L (H1) 6.3 mg/L (M1) 8.0 mg/L (CR1) 7.8 mg/L (CR2)
Possible reason for Action or Limit Level Non-compliance	Works scheduled on site on 12 Oct 2020 include reclamation works, levelling the slag materials, loading slag materials, laying geotextile, laying of rockfill and caisson installation. Dominating sea current direction was found to be from Southeast to Northwest at		

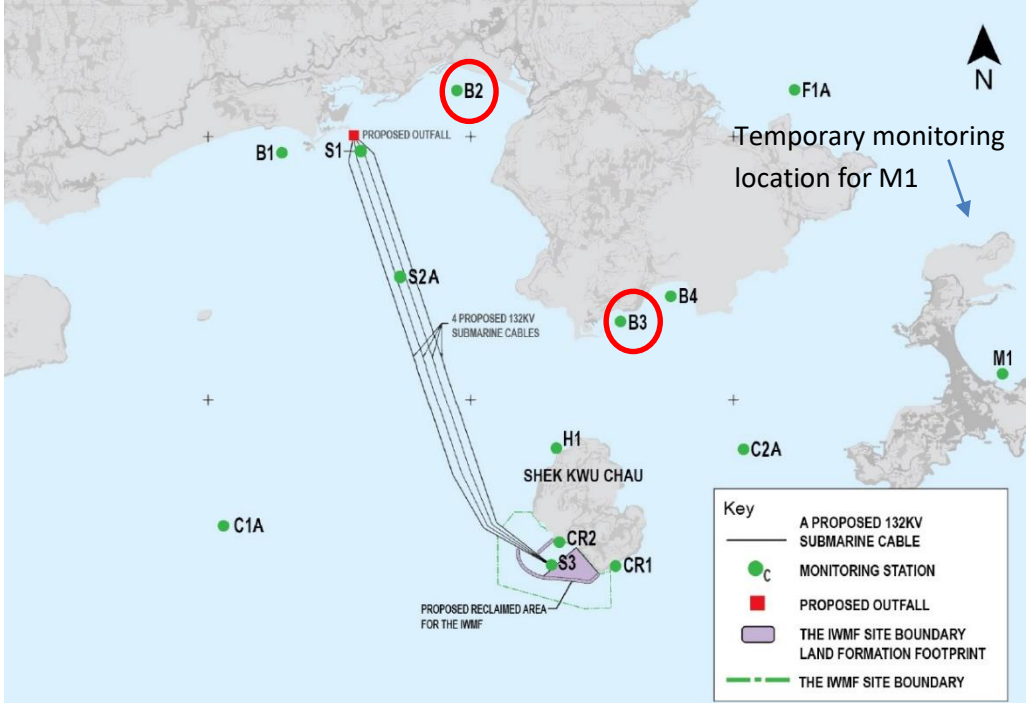
	<p>waters around Shek Kwu Chau.</p> <p>B3 is located at unrelated stream direction (neither upstream nor downstream, far away) to the works location, exceedance of this monitoring station is deemed to be unrelated to the Project.</p> <p>Silt curtain checking by the Contractor was implemented on Marine Access (12 Oct 2020, 08:06am), Eastern Silt Curtain (12 Oct 2020, 08:00am) and GD-851 (12 Oct 2020, 07:00am) and checking results showed that no deficiency of silt curtain was found on that day.</p> <p>From MMO monitoring records on 12 Oct 2020, MMO team was arranged for one crane barge (GD-851), silt curtain at western marine access area and the eastern silt curtain 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 06 Oct 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 12 Oct 2020:</p>  <p>Current direction during mid-flood sampling on 12 Oct 2020:</p>



Prepared by	Joe Ho
Date	2 Nov 2020

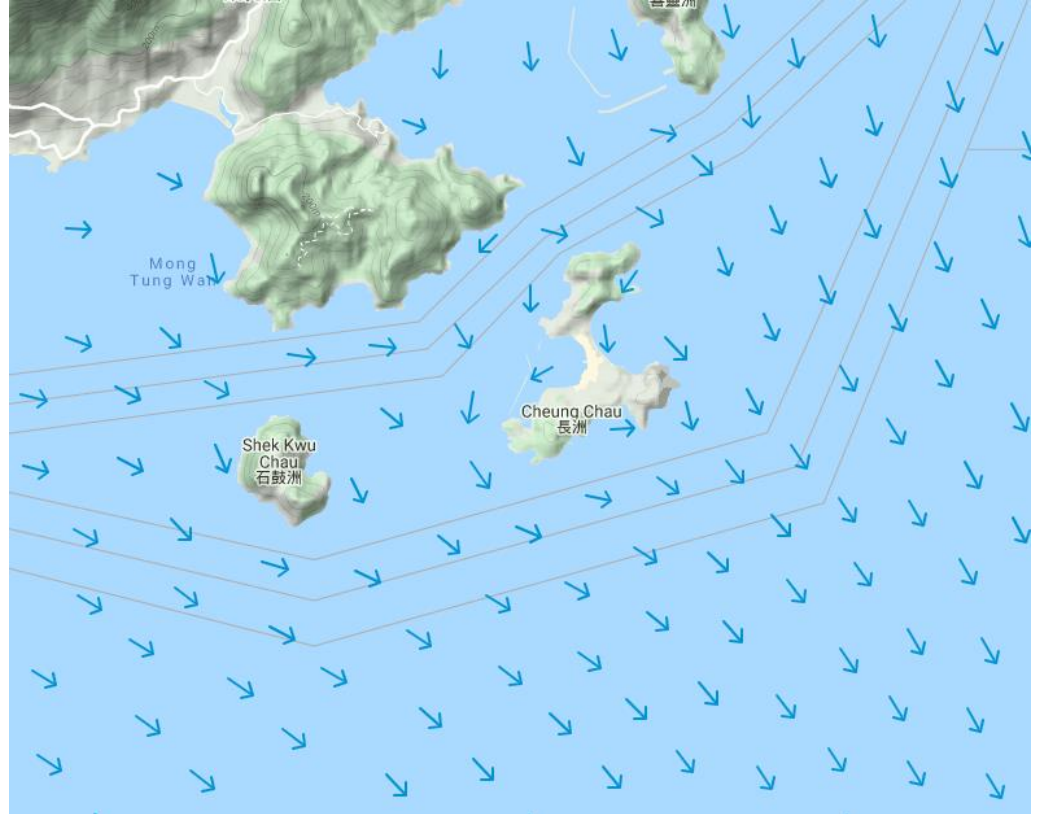
Incident Report on Action Level or Limit Level Non-compliance

Project	Integrated Waste Management Facilities, Phase 1		
Date	14 Oct 2020 (Lab result received on 16 Oct 2020)		
Time	08:27 – 11:57 (Mid-Ebb) 15:19 – 18:49 (Mid Flood)		
Mid-Ebb			
Monitoring Location	M1,CR1,CR2 		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 25.4 mg/L (120% of C1A)		≥ 27.5 mg/L (130% of C1A)
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	29.3 mg/L (M1) 30.5 mg/L (CR1) 27.7 mg/L (CR2)	21.2mg/L (C1A) 18.8 mg/L (C2A)	10.3 mg/L (B1) 8.8 mg/L (B2) 8.8 mg/L (B3) 8.3 mg/L (B4) 18.5 mg/L (F1A) 12.2 mg/L (H1)
Possible reason for Action or Limit Level Non-compliance	<p>No construction work was carried out on site on 14 Oct 2020 due to the strong swell brought by tropical storm NANGKA.</p> <p>Dominating sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>Due to strong swell brought by the residual effect of typhoon (NANGKA), the water sampling point M1 was temporarily changed to the north of Cheung Chau. The temporary monitoring location 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>CR1 and CR2 are near the works location, exceedance of these monitoring stations are also deemed to be unrelated to the Project as no construction work was conducted on site on 14 Oct 2020.</p>		

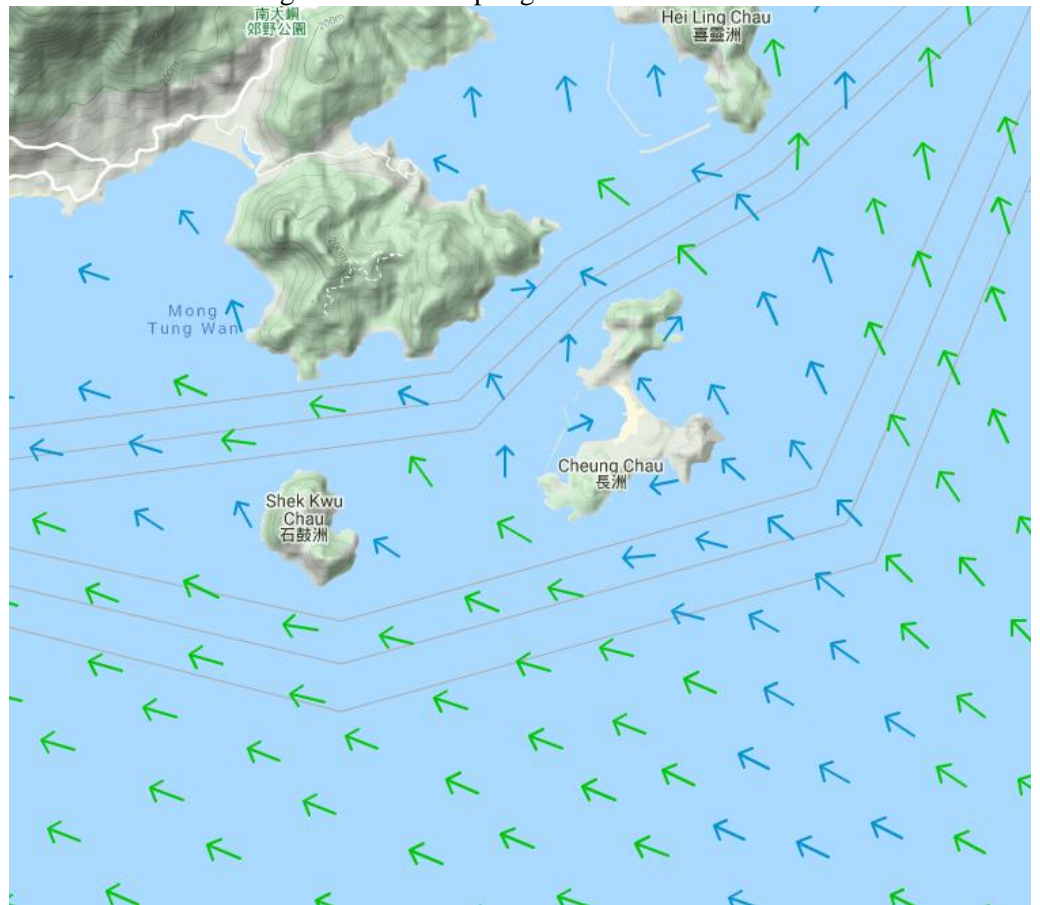
	Site tidiness in the present barges in the Project site were checked during weekly site inspection on 06 Oct 2020. No major observation of improper site practices that could contribute to the increase of the suspended solids recorded.		
Mid-Flood			
Monitoring Location	B2,B3 		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 33.8 mg/L (120% of C2A)		≥ 36.6 mg/L (130% of C2A)
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	40.8 mg/L (B2) 37.8 mg/L (B3)	27.0 mg/L (C1A) 28.2 mg/L (C2A)	31.5 mg/L (B1) 32.8 mg/L (B4) 29.5 mg/L (F1A) 30.3 mg/L (H1) 24.7 mg/L (M1) 25.0 mg/L (CR1) 23.7 mg/L (CR2)
Possible reason for Action or Limit Level Non-compliance	<p>No construction work was carried out on site on 14 Oct 2020 due to the strong swell brought by tropical storm NANGKA.</p> <p>Dominating sea current direction was found to be from Southeast to Northwest at waters around Shek Kwu Chau.</p> <p>B2 and B3 are 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 tidiness in the present barges in the Project site were checked during weekly site inspection on 06 Oct 2020. No major observation of improper site practices that could contribute to the increase of the suspended solids recorded.</p>		
Actions taken / to be taken	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.		







Remarks

Current direction during mid-ebb sampling on 14 Oct 2020:



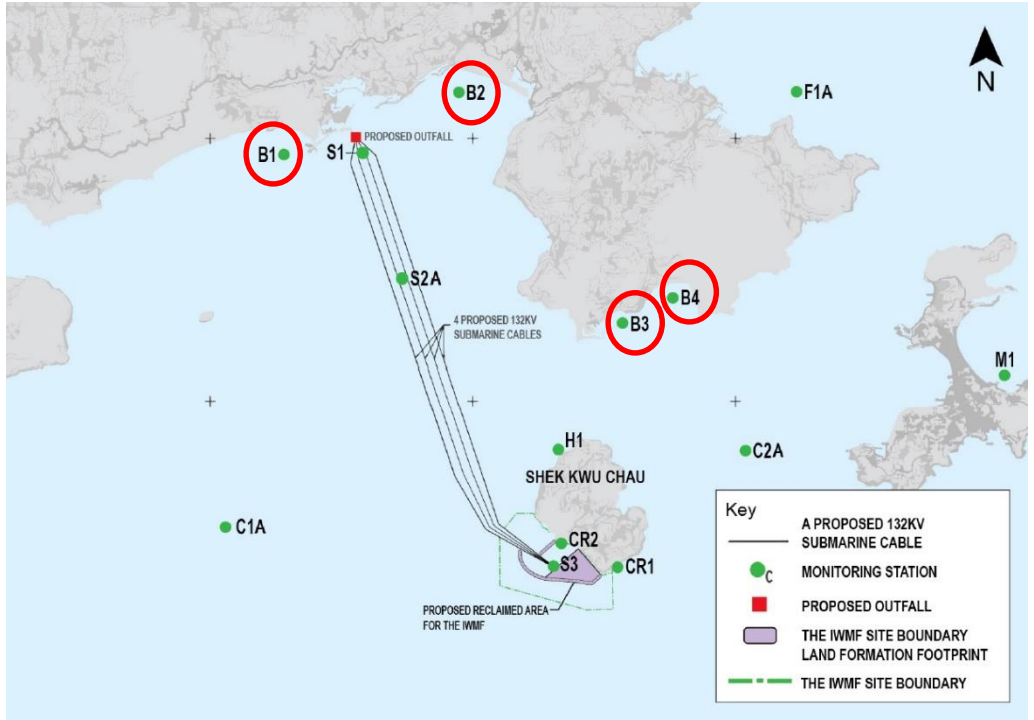
Current direction during mid-flood sampling on 14 Oct 2020:

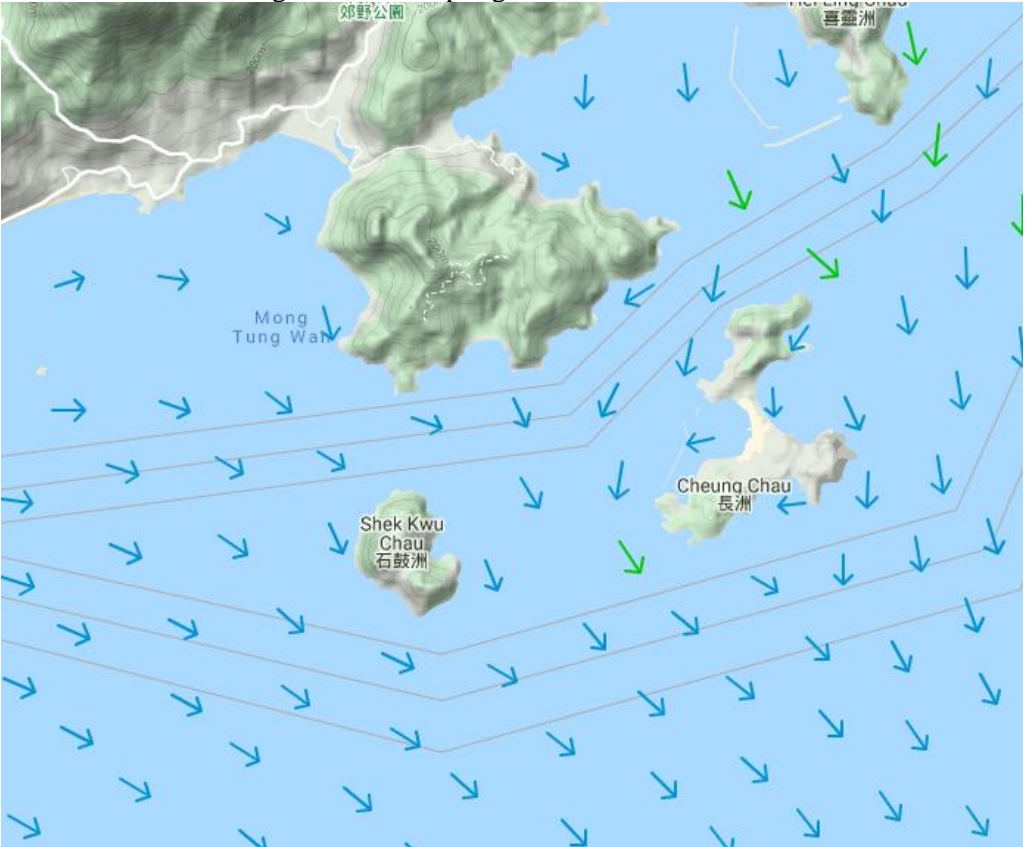


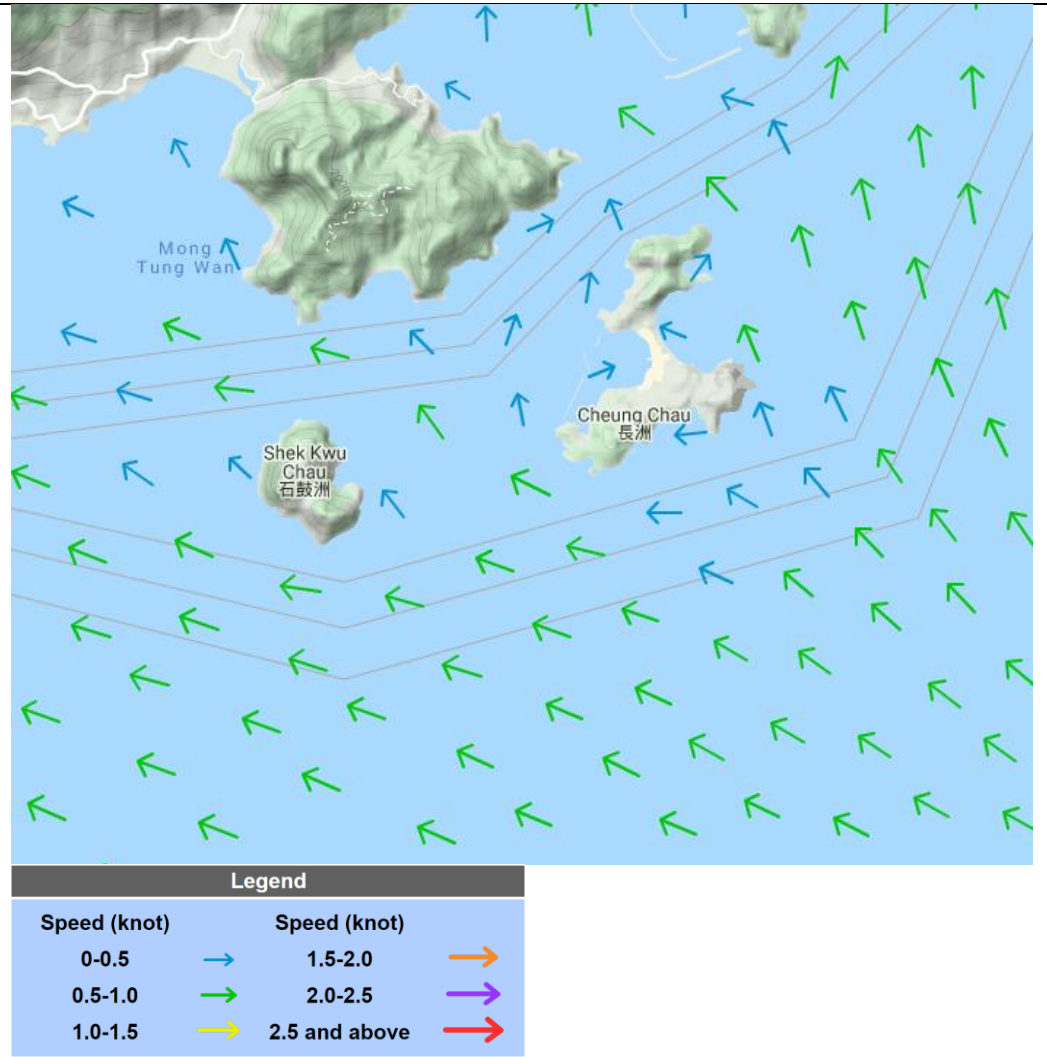
	Legend		
	Speed (knot)	Speed (knot)	
	0-0.5 	1.5-2.0 	
	0.5-1.0 	2.0-2.5 	
	1.0-1.5 	2.5 and above 	
	(Sourced from http://current.hydro.gov.hk/en/map.html)		
Prepared by	Joe Ho		
Date	2 Nov 2020		

Incident Report on Action Level or Limit Level Non-compliance

Project	Integrated Waste Management Facilities, Phase 1		
Date	16 Oct 2020 (Lab result received on 21 Oct 2020)		
Time	10:05 – 13:35 (Mid-Ebb) 15:19 – 18:49 (Mid Flood)		
Mid-Ebb			
Monitoring Location	M1, CR1, CR2, S2A, S3		
	<p>The map shows the Shek Kwu Chau area with various monitoring stations marked with green dots. A red square indicates the proposed outfall. Four lines represent the proposed 132KV submarine cables. A red circle highlights monitoring station M1 on the eastern tip. Another red circle highlights monitoring station S2A near the outfall. A third red circle highlights monitoring stations CR1, CR2, and S3 near the IWMF site boundary. A key in the bottom right corner defines the symbols: a line for the proposed 132KV submarine cable, a green dot for a monitoring station, a red square for the proposed outfall, a purple shaded area for the IWMF site boundary land formation footprint, and a green dashed line for the IWMF site boundary. A north arrow is also present.</p>		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 14.2 mg/L (120% of C1A)		≥ 15.4 mg/L (130% of C1A)
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	18.0 mg/L (M1) 21.5 mg/L (CR1) 19.0 mg/L (CR2) 18.7 mg/L (S2A) 18.7 mg/L (S3)	11.8 mg/L (C1A) 10.3 mg/L (C2A)	8.8 mg/L (B1) 9.0 mg/L (B2) 8.0 mg/L (B3) 13.0 mg/L (B4) 11.2 mg/L (F1A) 8.0 mg/L (H1) 11.0 mg/L (S1)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 16 Oct 2020 include reclamation works, levelling the slag materials, loading slag materials, laying geotextile, laying of rockfill and caisson installation.</p> <p>Dominating sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>M1 and S2A are 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, CR2 and S3 are located close to the works location within the Project site while silt curtain checking by the Contractor was implemented on Marine Access (16 Oct 2020, 4:00pm), Eastern Silt Curtain (16 Oct 2020, 4:00pm) and GD-851 (16 Oct 2020,</p>		

	<p>7:00am) and checking results showed that no deficiency of silt curtain was found on that day.</p> <p>From MMO monitoring records on 16 Oct 2020, MMO team was arranged for one crane barge (GD-851), silt curtain at western marine access area and the eastern silt curtain 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 06 Oct 2020. No major observation of improper site practices that could contribute to the increase of the suspended solids recorded.</p>		
Mid-Flood			
Monitoring Location	<p>B1, B2, B3, B4</p>  <p>The map displays the project site in the South China Sea, near Shek Kwu Chau. It shows the location of a proposed outfall (S1) and four proposed 132kV submarine cables (S2A, S3, CR1, CR2, CR3). Monitoring stations B1, B2, B3, and B4 are marked with red circles. Other stations include C1A, C2A, F1A, H1, and M1. The IWMF site boundary and land formation footprint are also indicated.</p>		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 14.2 mg/L (120% of C2A)		≥ 15.4mg/L (130% of C2A)
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	17.5 mg/L (B1) 19.3 mg/L (B2) 17.8 mg/L (B3) 15.0 mg/L (B4)	13.3 mg/L (C1A) 11.8 mg/L (C2A)	10.7 mg/L (F1A) 10.3 mg/L (H1) 11.8 mg/L (M1) 10.0 mg/L (CR1) 11.0 mg/L (CR2) 10.3 mg/L (S1) 12.3 mg/L (S2A) 11.3 mg/L (S3)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 16 Oct 2020 include reclamation works, levelling the slag materials, loading slag materials, laying geotextile, laying of rockfill and caisson installation.</p> <p>Dominating sea current direction was found to be from Southeast to Northwest at</p>		

	<p>waters around Shek Kwu Chau.</p> <p>B1, B2, B3 and B4 are 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>Silt curtain checking by the Contractor was implemented on Marine Access (16 Oct 2020, 4:00pm), Eastern Silt Curtain (16 Oct 2020, 4:00pm) and GD-851 (16 Oct 2020, 7:00am) and checking results showed that no deficiency of silt curtain was found on that day.</p> <p>From MMO monitoring records on 16 Oct 2020, MMO team was arranged for one crane barge (GD-851), silt curtain at western marine access area and the eastern silt curtain 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 06 Oct 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 16 Oct 2020:</p>  <p>Current direction during mid-flood sampling on 16 Oct 2020:</p>




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

Prepared by	Joe Ho
Date	2 Nov 2020

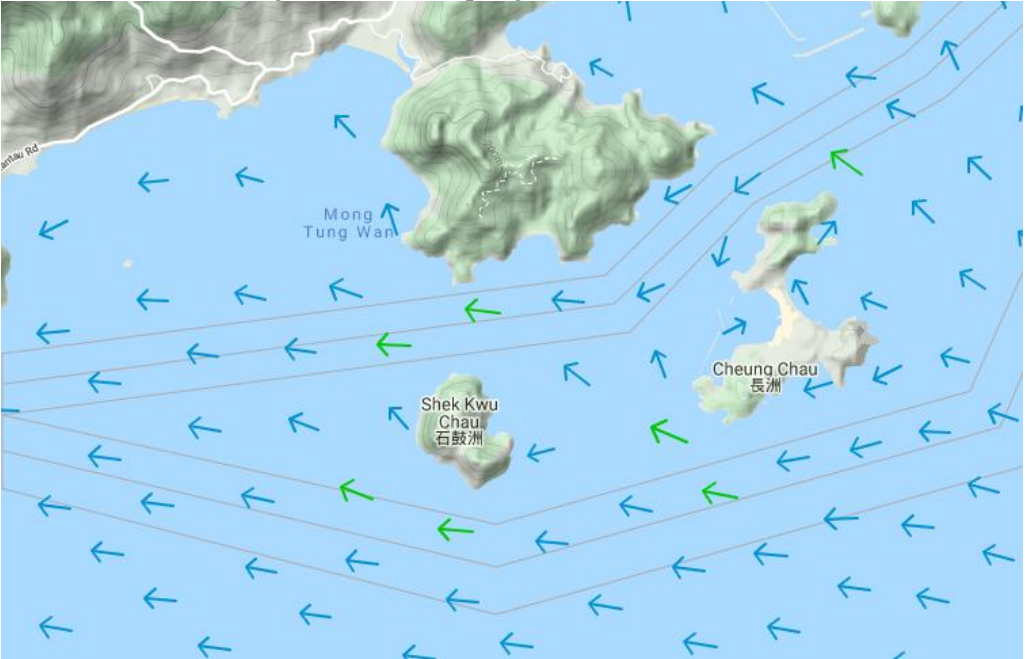
Incident Report on Action Level or Limit Level Non-compliance

Project	Integrated Waste Management Facilities, Phase 1		
Date	19 Oct 2020 (Lab result received on 21 Oct 2020)		
Time	16:40 – 19:00 (Mid Flood)		
Mid-Flood			
Monitoring Location	<p>S2A</p> <p>The map shows the Shek Kwu Chau area with various monitoring stations marked with green dots. A red square indicates the proposed outfall. 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. Station S2A is circled in red, indicating the location of the incident.</p>		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 13.6 mg/L (120% of C2A)		≥ 14.7mg/L (130% of C2A)
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	13.7 mg/L (S2A)	11.8 mg/L (C1A) 11.3 mg/L (C2A)	9.3 mg/L (B1) 10.8 mg/L (B2) 9.3 mg/L (B3) 10.8 mg/L (B4) 11.3 mg/L (F1A) 12.2 mg/L (H1) 13.3 mg/L (M1) 12.3 mg/L (CR1) 10.8 mg/L (CR2) 11.8 mg/L (S1) 12.0 mg/L (S3)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 19 Oct 2020 include reclamation works, levelling the slag materials, loading slag materials, laying geotextile, laying of rockfill and caisson installation.</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>Silt curtain checking by the Contractor was implemented on Marine Access (19 Oct 2020, 08:00am), Eastern Silt Curtain (19 Oct 2020, 08:00am) and GD-851 (19 Oct 2020, 07:00am) and checking results showed that no deficiency of silt curtain was found on that day.</p> <p>From MMO monitoring records on 19 Oct 2020, MMO team was arranged for one crane barge (GD-851), silt curtain at marine access area and eastern silt curtain 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 6 Oct 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-flood sampling on 19 Oct 2020:</p>  <table border="1" data-bbox="472 1664 986 1854"> <thead> <tr> <th colspan="4">Legend</th> </tr> <tr> <th>Speed (knot)</th> <th>→</th> <th>Speed (knot)</th> <th>→</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>Joe Ho</p>																				
<p>Date</p>	<p>2 Nov 2020</p>																				

Incident Report on Action Level or Limit Level Non-compliance

Project	Integrated Waste Management Facilities, Phase 1		
Date	21 Oct 2020 (Lab result received on 23 Oct 2020)		
Time	08:21 – 11:51 (Mid Flood)		
Mid-Flood			
Monitoring Location	<p>S1</p> <p>The map shows the Shek Kwu Chau area with various monitoring stations marked with green dots: S1 (circled in red), S2A, S3, B1, B2, B3, B4, F1A, H1, M1, C1A, C2A, CR1, and CR2. A red square indicates the proposed outfall. Four blue lines represent 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 in the top right corner.</p>		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 17.2 mg/L (120% of C2A)		≥ 18.6mg/L (130% of C2A)
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	18.0 mg/L (S1)	15.0 mg/L (C1A) 14.3 mg/L (C2A)	14.5 mg/L (B1) 12.5 mg/L (B2) 17.0 mg/L (B3) 13.8 mg/L (B4) 16.0 mg/L (F1A) 14.5 mg/L (H1) 9.8 mg/L (M1) 9.5 mg/L (CR1) 7.2 mg/L (CR2) 9.5 mg/L (S2A) 10.3 mg/L (S3)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 21 Oct 2020 include reclamation works, levelling the slag materials, loading slag materials, laying geotextile, laying of rockfill and caisson installation.</p> <p>Dominating sea current direction was found to be from Southeast to Northwest at waters around Shek Kwu Chau.</p> <p>S1 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>Silt curtain checking by the Contractor was implemented on Marine Access (21 Oct 2020, 12:00nm), Eastern Silt Curtain (21 Oct 2020, 12:00nm) and GD-851 (21 Oct 2020, 07:00am) and checking results showed that no deficiency of silt curtain was found on that day.</p> <p>From MMO monitoring records on 21 Oct 2020, MMO team was arranged for one crane barge (GD-851), silt curtain at marine access area and eastern silt curtain 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 Oct 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-flood sampling on 21 Oct 2020:</p>  <p>Legend</p> <table border="1" data-bbox="472 1547 986 1731"> <thead> <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>	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
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>Joe Ho</p>								
<p>Date</p>	<p>2 Nov 2020</p>								

Incident Report on Action Level or Limit Level Non-compliance

Project	Integrated Waste Management Facilities, Phase 1		
Date	29 Oct 2020 (Lab result received on 03 Nov 2020)		
Time	09:22 – 12:52 (Mid-Ebb) 14:34 – 18:04 (Mid Flood)		
Mid-Ebb			
Monitoring Location	B1, B2, B3, B4, H1, M1, CR1, CR2, S1, S2A, S3		
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
	12.3 mg/L (B1) 13.0 mg/L (B2) 10.5 mg/L (B3) 10.8 mg/L (B4) 10.0 mg/L (H1) 13.7 mg/L (M1) 19.0 mg/L (CR1) 16.5 mg/L (CR2) 11.8 mg/L (S1) 17.0 mg/L (S2A) 18.3 mg/L (S3)	5.7 mg/L (C1A) 5.0 mg/L (C2A)	6.8 mg/L (F1A)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 29 Oct 2020 include reclamation works, levelling the slag materials, loading slag materials, laying geotextile, laying of rockfill and caisson installation.</p> <p>Dominating sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>B1, B2, B3, B4, H1, M1, S1 and S2A are 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>		

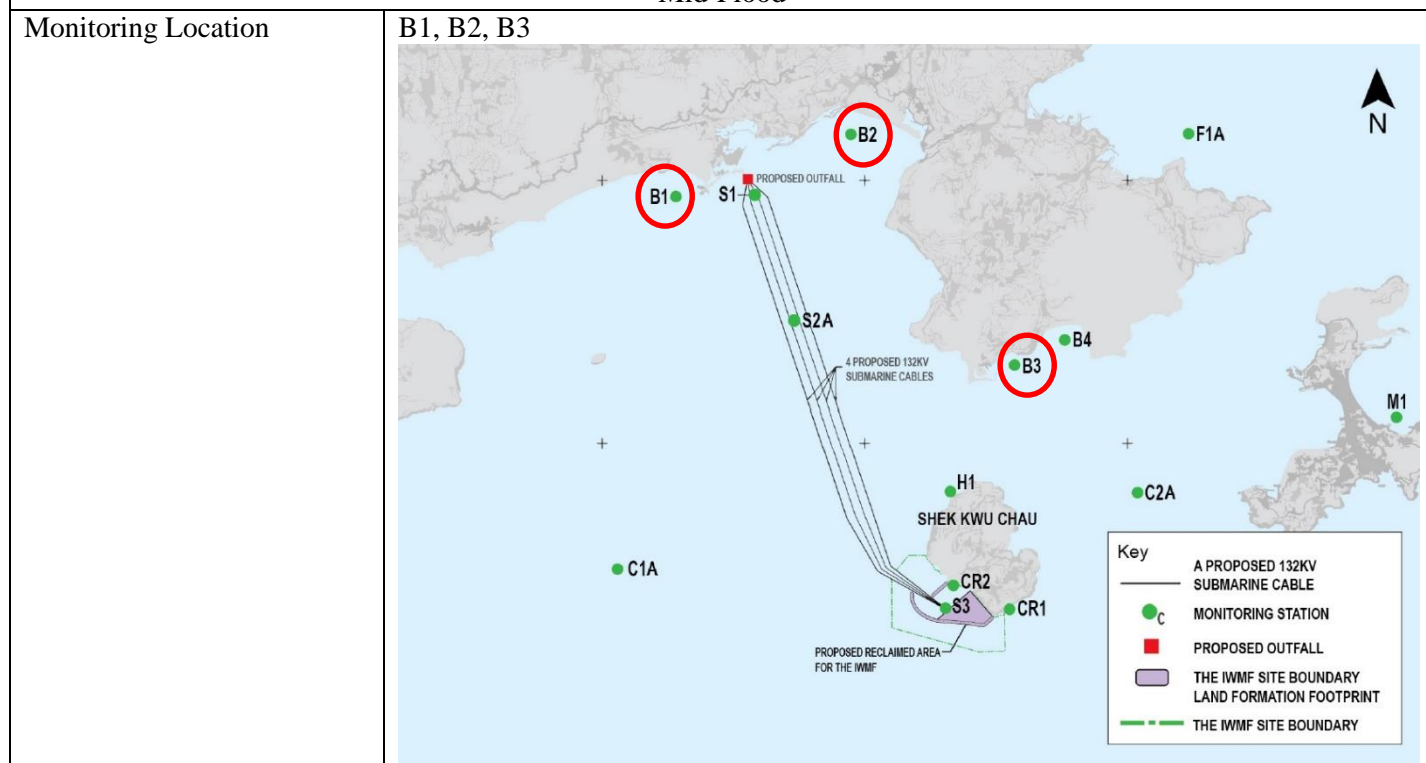
CR1, CR2 and S3 are located close to the works location within the Project site while silt curtain checking by the Contractor was implemented on Marine Access (29 Oct 2020, 01:40pm), Eastern Silt Curtain (29 Oct 2020, 01:40pm) and checking results showed that no deficiency of silt curtain was found on that day.

From MMO monitoring records on 29 Oct 2020, MMO team was arranged for one crane barge (GD-851), silt curtain at western marine access area and the eastern silt curtain on that day while no deficiency of silt curtain was found before the commencement of and during construction activity.

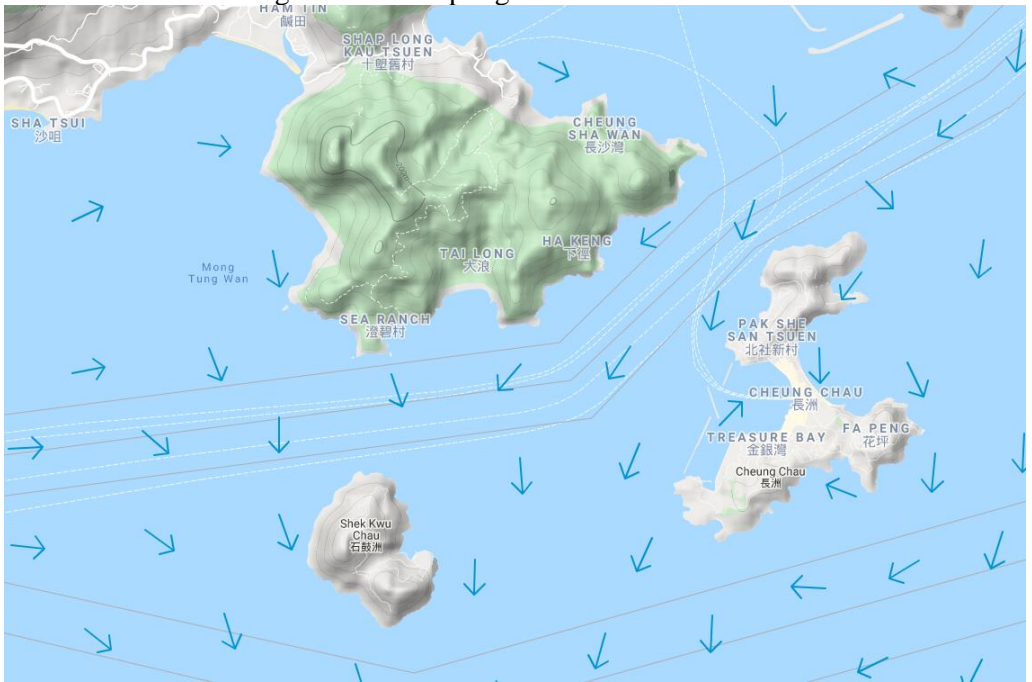
According to the field observation by Marine Mammal Observer team & sampling team during sampling event, no silt plume was observed in the Project site.

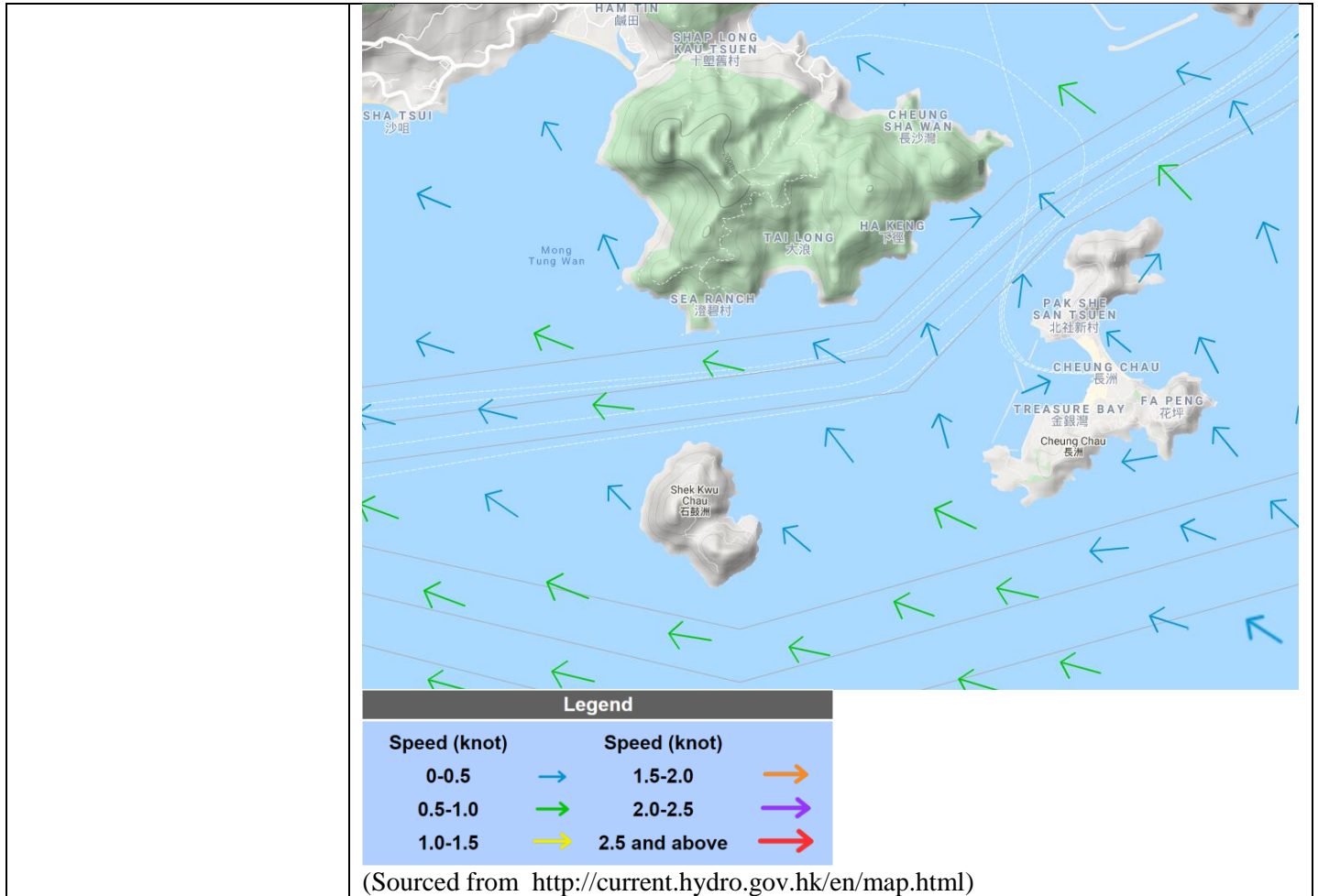
Site tidiness in the present barges in the Project site were checked during weekly site inspection on 27 Oct 2020. No major observation of improper site practices that could contribute to the increase of the suspended solids recorded.

Mid-Flood



Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level ≥ 14.0 mg/L (120% of C2A)		Limit Level ≥ 15.2mg/L (130% of C2A)
Measurement Level	Impact Station(s) of Exceedance 14.5 mg/L (B1) 15.3 mg/L (B2) 16.3 mg/L (B3)	Control Stations 11.3 mg/L (C1A) 11.7 mg/L (C2A)	Impact Station(s) without Exceedance 11.0 mg/L (B4) 11.0 mg/L (F1A) 11.5 mg/L (H1) 13.0 mg/L (M1) 12.2 mg/L (CR1) 13.0 mg/L (CR2) 11.8 mg/L (S1) 12.0 mg/L (S2A) 12.2 mg/L (S3)
Possible reason for Action or	Works scheduled on site on 29 Oct 2020 include reclamation works, levelling the slag		

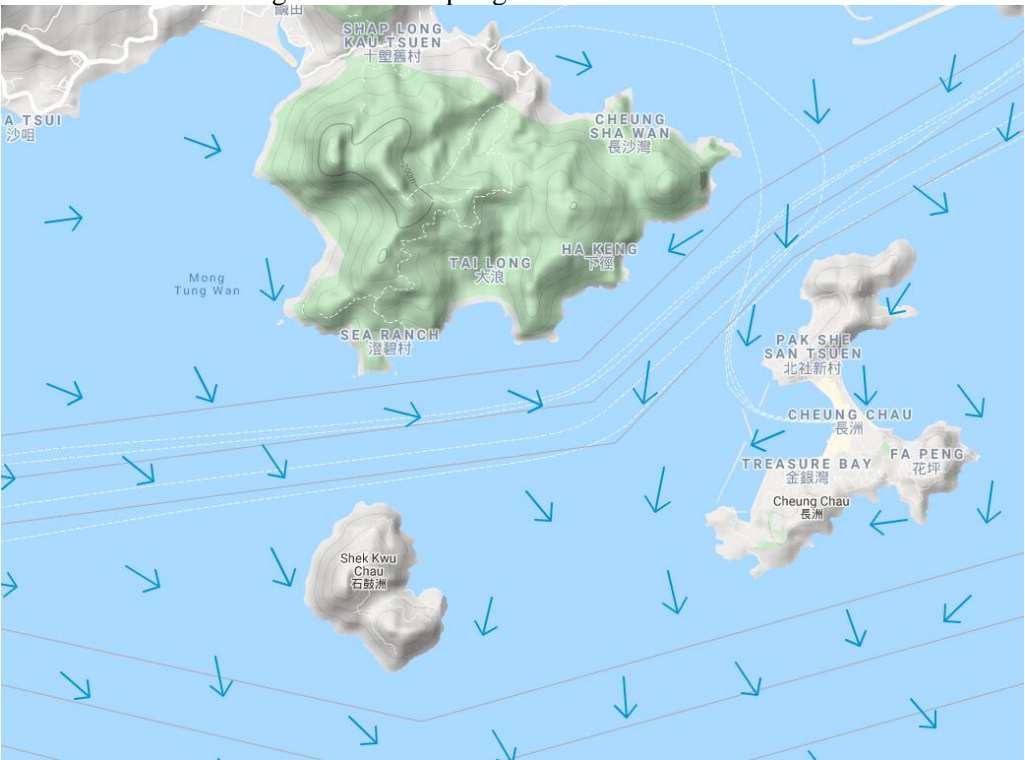
<p>Limit Level Non-compliance</p>	<p>materials, loading slag materials, laying geotextile, laying of rockfill and caisson installation.</p> <p>Dominating sea current direction was found to be from Southeast to Northwest at waters around Shek Kwu Chau.</p> <p>B1, B2 and B3 are located at unrelated stream 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>Silt curtain checking by the Contractor was implemented on Marine Access (29 Oct 2020, 01:40pm), Eastern Silt Curtain (29 Oct 2020, 01:40pm) and checking results showed that no deficiency of silt curtain was found on that day.</p> <p>From MMO monitoring records on 29 Oct 2020, MMO team was arranged for one crane barge (GD-851), silt curtain at western marine access area and the eastern silt curtain 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 27 Oct 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 Oct 2020:</p>  <p>Current direction during mid-flood sampling on 29 Oct 2020:</p>



Prepared by	Joe Ho
Date	9 Nov 2020

Incident Report on Action Level or Limit Level Non-compliance

Project	Integrated Waste Management Facilities, Phase 1		
Date	31 Oct 2020 (Lab result received on 03 Nov 2020)		
Time	10:26 – 13:56 (Mid-Ebb)		
Monitoring Location	Mid-Ebb CR1, S2A, S3		
	<p>The map shows the Shek Kwu Chau area with various monitoring stations marked with green dots. A red square indicates the proposed outfall (S1). Four lines represent the proposed 132KV submarine cables. The IWMF site boundary is shown as a solid green line, and the land formation footprint is shown as a dashed green line. 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
	8.3 mg/L (CR1) 10.0 mg/L (S2A) 9.2 mg/L (S3)	6.3 mg/L (C1A) 5.2 mg/L (C2A)	5.3 mg/L (B1) 4.0 mg/L (B2) 4.0 mg/L (B3) 3.5 mg/L (B4) 6.3 mg/L (F1A) 3.5 mg/L (H1) 7.7 mg/L (M1) 7.5 mg/L (CR2) 7.8 mg/L (S1)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 31 Oct 2020 include reclamation works, levelling the slag materials, loading slag materials, laying geotextile, laying of rockfill and caisson installation.</p> <p>Dominating sea current direction was found to be from Northwest to Southeast 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 and S3 are located close to the works location within the Project site while Silt curtain checking by the Contractor was implemented on Marine Access (31 Oct</p>		

	<p>2020, 11:00am), Eastern Silt Curtain (31 Oct 2020, 11:00am) and GD-851 (31 Oct 2020, 07:00am) and checking results showed that no deficiency of silt curtain was found on that day.</p> <p>From MMO monitoring records on 31 Oct 2020, MMO team was arranged for one crane barge (GD-851), silt curtain at marine access area and eastern silt curtain 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 27 Oct 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 31 Oct 2020:</p>  <p>(Sourced from http://current.hydro.gov.hk/en/map.html)</p>
<p>Prepared by</p>	<p>Joe Ho</p>
<p>Date</p>	<p>9 Nov 2020</p>