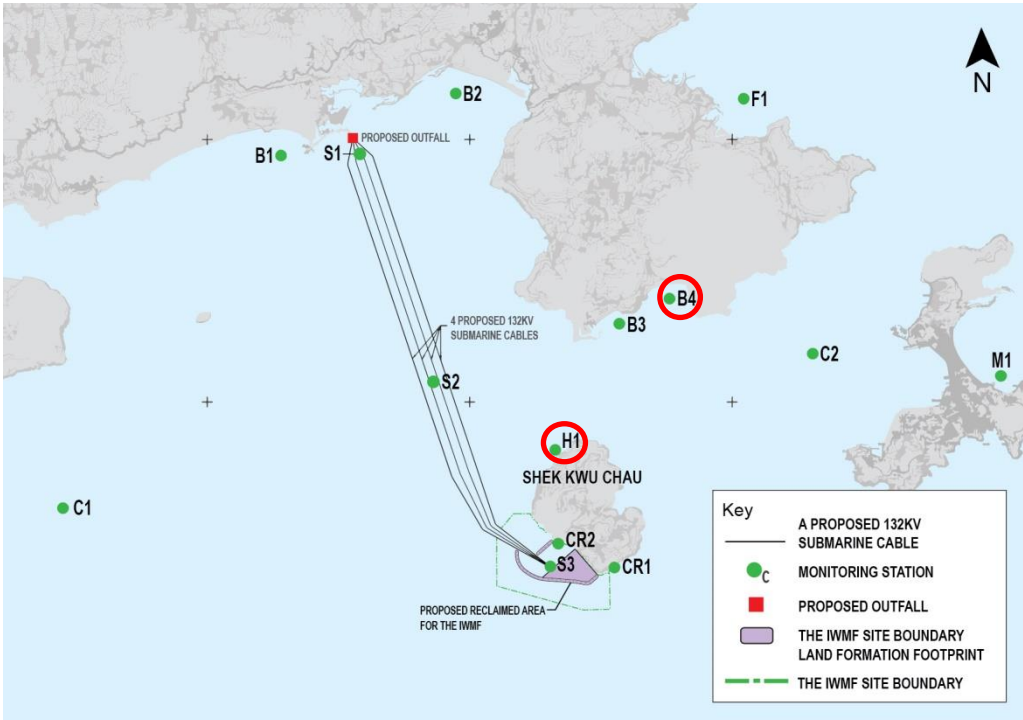


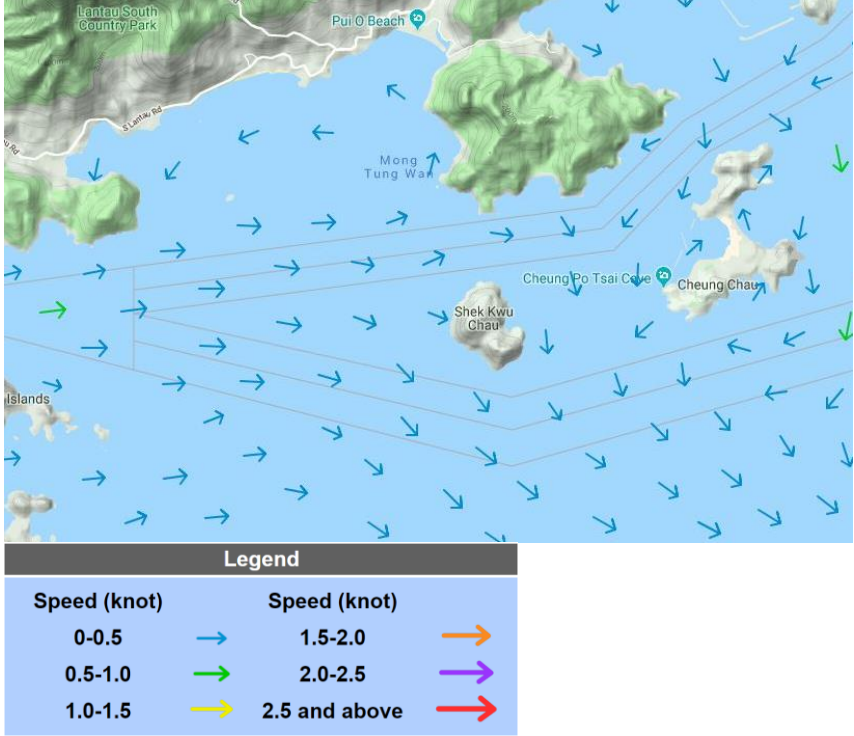
## Appendix N Exceedance Report

## Statistical Summary of Exceedances in the Reporting Period

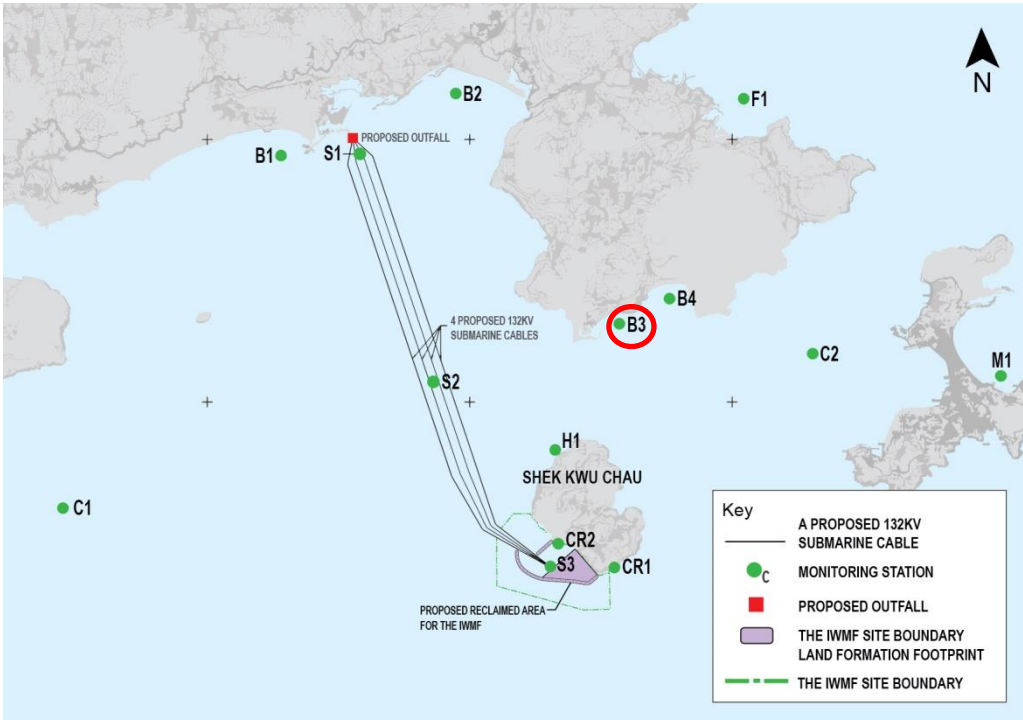
Water Quality			
Location	Action Level	Limit Level	Total
B1	1	0	1
B2	2	1	3
B3	3	1	4
B4	0	2	2
CR1	1	0	1
CR2	2	0	2
F1	0	1	1
H1	2	1	3
S1	1	1	2
S2	1	1	2
S3	1	1	2
M1	3	0	3
Noise			
Location	Action Level	Limit Level	Total
M1 / N_S1	0	0	0
M2 / N_S2	0	0	0
M3 / N_S3	0	0	0

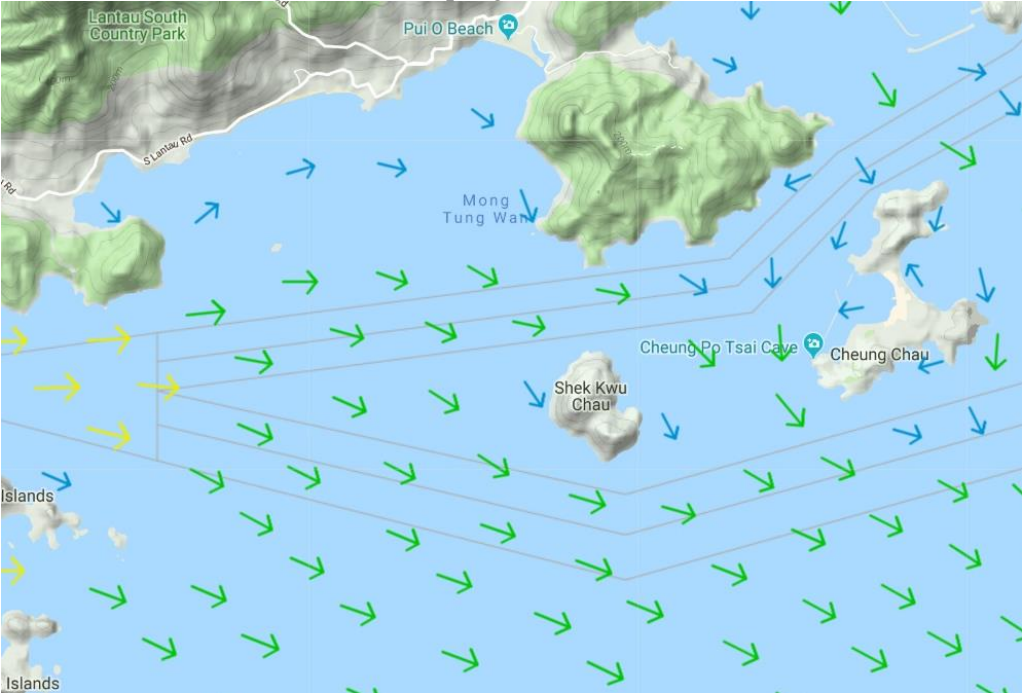
**Incident Report on Action Level or Limit Level Non-compliance**

Project	Integrated Waste Management Facilities, Phase 1		
Date	1 August 2018 (Lab result received on 7 August 2018)		
Time	13:09 – 16:39 (Mid-Ebb)		
Monitoring Location	B4 and H1 		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action	Limit	
	≥ 8.6 mg/L (120% of C1)	≥ 9.4 mg/L (130% of C1)	
Measurement Level	Impact Station(s) with Exceedance	Control Stations	Impact Station(s) without Exceedance
	10.3 mg/L (B4) 9.2 mg/L (H1)	7.2 mg/L (C1) 7.5 mg/L (C2)	8.5 mg/L (B1) 6.8 mg/L (B2) 8.3 mg/L (B3) 7.5 mg/L (CR1) 6.8 mg/L (CR2) 7.5 mg/L (F1) 6.7 mg/L (M1)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 1/8 include ground investigation (GI) works of 3 small borehole drilling, static loading tests and laying works of geotextile, which shall not be a major source of SS concentration increase considering the limited scale and nature of works.</p> <p>Dominating sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>B4 and H1 are located at unrelated stream direction (neither upstream nor downstream) to the works location, exceedance of this monitoring location is deemed to be unrelated to the Project at the sampling period.</p> <p>Site tidiness in the present barges in the Project site were checked during weekly site inspection on 2/8, where applicable mitigation measures on water quality were found implemented and no improper site practice that might contribute to the increase in SS level was observed during the inspection.</p>		

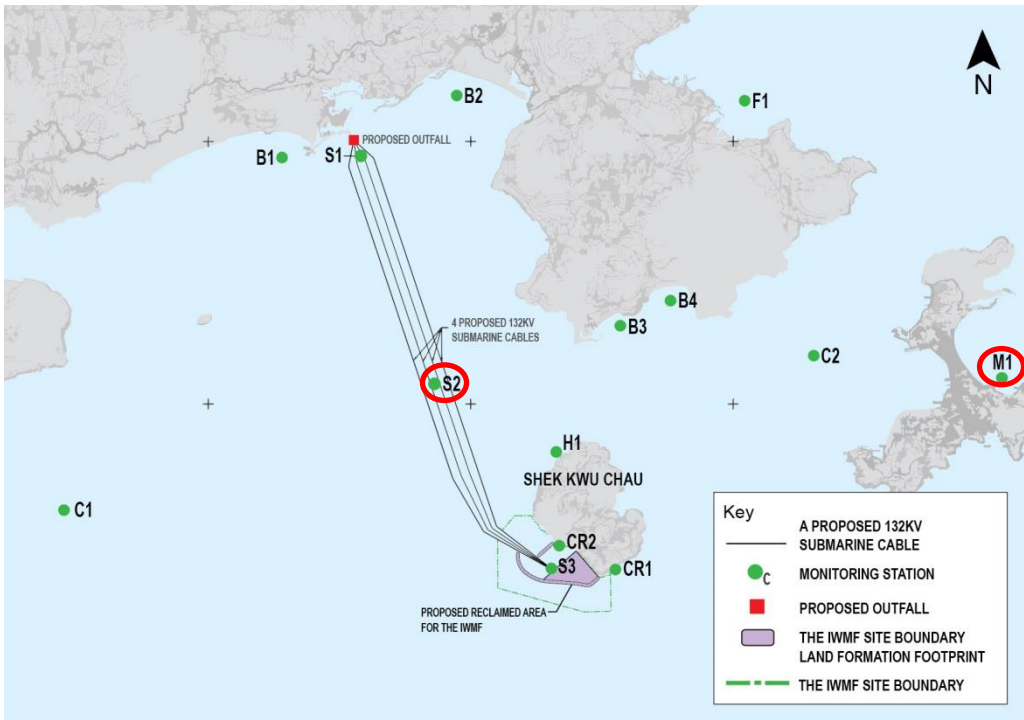
<p>Actions taken / to be taken</p>	<p>Examination of environmental performance of the Project will be continued during the weekly inspection, and the Contractor is reminded to implement all applicable mitigation measures as per the Updated EM&amp;A Manual.</p>	
<p>Remarks</p>	<p>Current direction during mid-ebb sampling on 1/8:</p>  <p>(Sourced from <a href="http://current.hydro.gov.hk/en/map.html">http://current.hydro.gov.hk/en/map.html</a>)</p>	
<p>Prepared by</p>	<p>Karen Cheung</p>	
<p>Date</p>	<p>8 August 2018</p>	

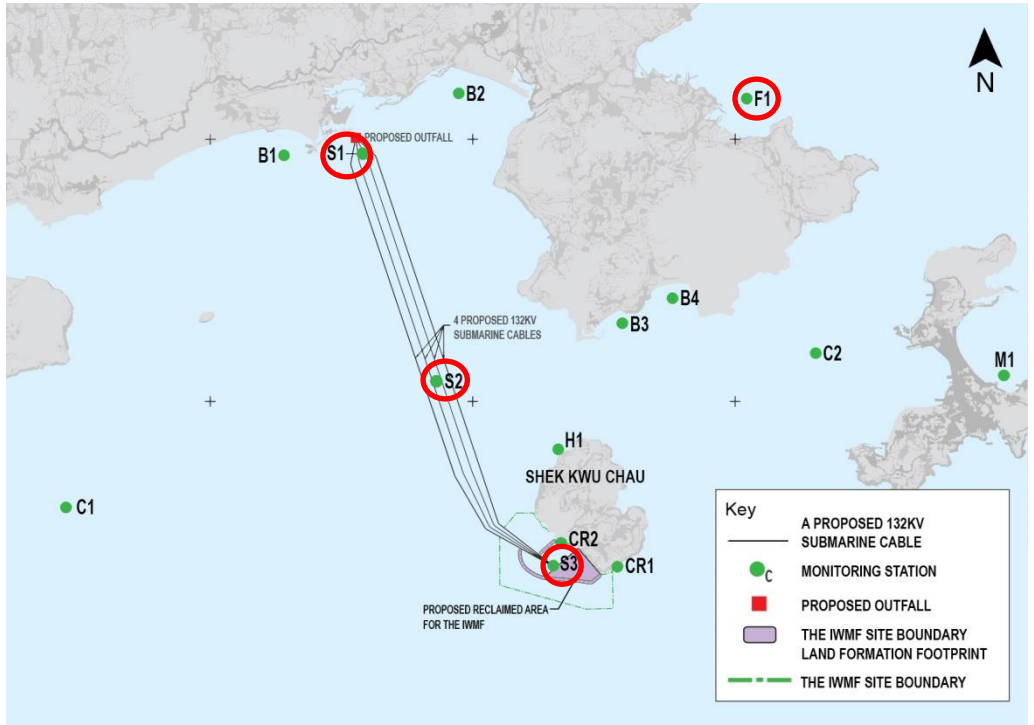
**Incident Report on Action Level or Limit Level Non-compliance**

Project	Integrated Waste Management Facilities, Phase 1		
Date	8 August 2018 (Lab result received on 10 August 2018)		
Time	07:53 – 11:23 (Mid-Ebb)		
Monitoring Location	B3 		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action	Limit	
	≥ 8.6 mg/L (120% of C1)	≥ 9.3 mg/L (130% of C1)	
Measurement Level	Impact Station(s) with Exceedance	Control Stations	Impact Station(s) without Exceedance
	8.8 mg/L (B3)	7.2 mg/L (C1) 8.5 mg/L (C2)	6.3 mg/L (B1) 8.0 mg/L (B2) 8.5 mg/L (B4) 6.2 mg/L (CR1) 6.3 mg/L (CR2) 6.0 mg/L (F1) 6.8 mg/L (H1) 8.0 mg/L (M1)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 8/8 include ground investigation (GI) works of 3 small borehole drilling and laying works of sand blanket for static loading test. Borehole drilling shall not be a major source of SS concentration increase considering the limited scale and nature of works.</p> <p>Before laying works of sand blanket, contractor employed silt curtain at the surrounding static loading test positions. Records also showed that the contractor had sent a diver to monitor any leakage of sand material from sand blanket to prevent unacceptable SS generation.</p> <p>Dominating sea current direction was found to be from Northwest to Southeast 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, considering the distance and absence of exceedance in</p>		


	<p>monitoring stations in between B3 and the Project site, exceedance of this monitoring location is deemed to be unrelated to the Project and a localized event.</p> <p>Site tidiness in the present barges in the Project site were checked during weekly site inspection on 9/8, where applicable mitigation measures on water quality were found implemented and no improper site practice that might contribute to the increase in SS level was observed during the inspection.</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&amp;A Manual.</p>																				
<p>Remarks</p>	<p>Current direction during mid-ebb sampling on 8/8:</p>  <table border="1" data-bbox="472 1261 986 1447"> <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 <a href="http://current.hydro.gov.hk/en/map.html">http://current.hydro.gov.hk/en/map.html</a>)</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>Karen Cheung</p>																				
<p>Date</p>	<p>10 August 2018</p>																				

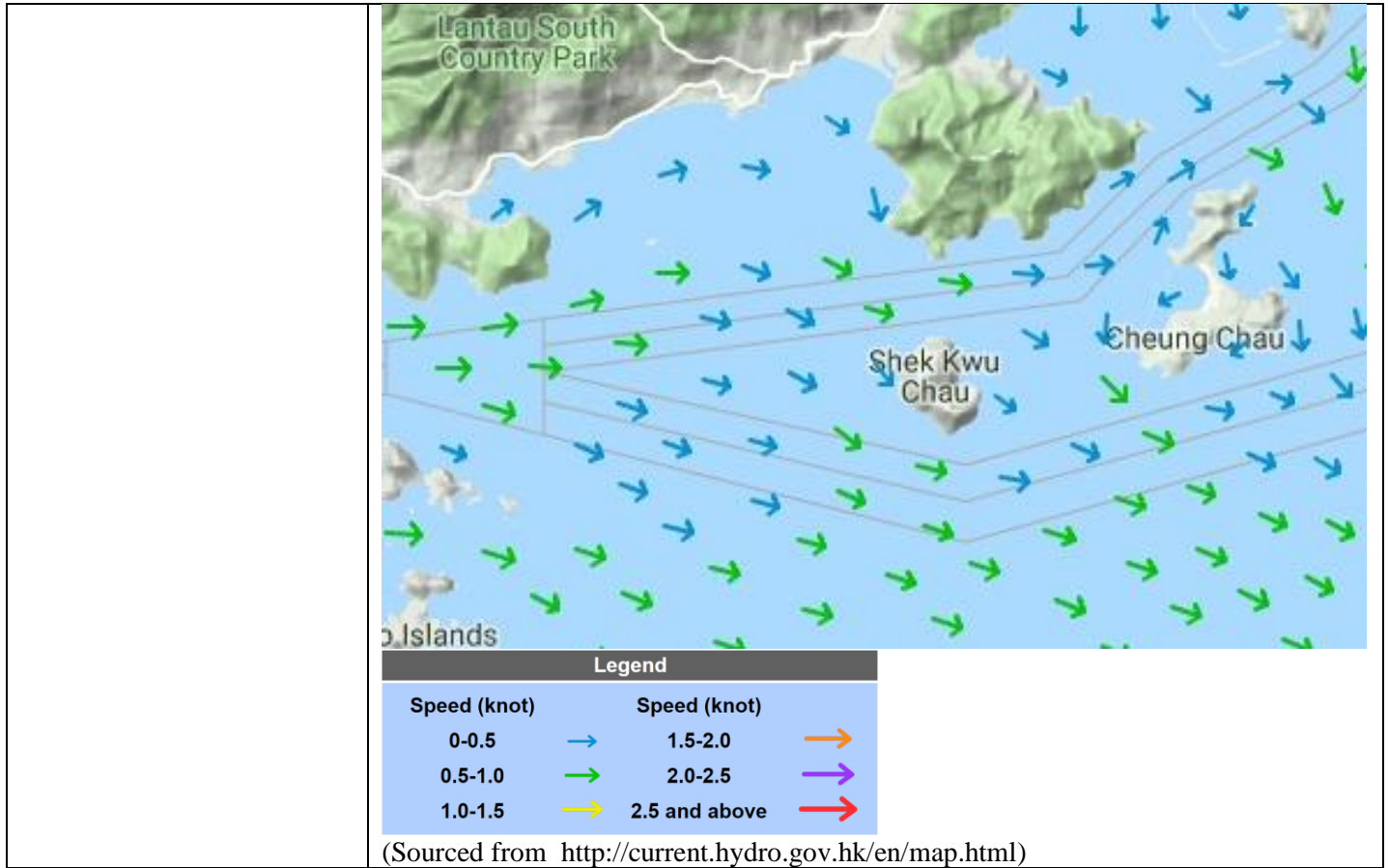
**Incident Report on Action Level or Limit Level Non-compliance**

Project	Integrated Waste Management Facilities, Phase 1		
Date	15 August 2018 (Lab result received on 20 August 2018)		
Time	6:57 – 10:27 (Mid-flood) 13:26 – 16:56 (Mid-ebb)		
Mid-flood			
Monitoring Location	M1 & S2 		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action		Limit
	≥ 9.6 mg/L (120% of C2)		≥ 10.4 mg/L (130% of C2)
Measurement Level	Impact Station(s) with Exceedance	Control Stations	Impact Stations without Exceedance
	11.3 mg/L (M1) 9.7 mg/L (S2)	9.8 mg/L (C1) 8.0 mg/L (C2)	9.3 mg/L (B1) 8.8 mg/L (B2) 8.5 mg/L (B3) 9.5 mg/L (B4) 8.3 mg/L (CR1) 8.7 mg/L (CR2) 8.0 mg/L (F1) 9.0 mg/L (H1) 9.0 mg/L (S1) 9.0 mg/L (S3)
Possible reason for Action or Limit Level Non-compliance	Works carried out on site on 15/8 include ground investigation (GI) works of 3 small borehole drilling, which shall not be a major source of SS concentration increase considering the limited scale and nature of works.  Dominating sea current direction was found to be from Southeast to Northwest at waters around Shek Kwu Chau.  M1 is located at unrelated stream direction (neither upstream nor downstream, far away) to the works location, exceedance of this monitoring location is deemed to be unrelated to the Project.		

	<p>CR2, which is the closer downstream monitoring station to S2, also exhibited a much lower SS level. This may also suggest that the present exceedance at S2 was not due to the Project.</p> <p>Site tidiness in the present barges in the Project site were checked during weekly site inspection on 14/8, where applicable mitigation measures on water quality were found implemented and no improper site practice that might contribute to the increase in SS level was observed during the inspection.</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&amp;A Manual.</p>		
<p>Mid-ebb</p>			
<p>Monitoring Location</p>	<p>F1, S1, S2 &amp; S3</p>  <p>The map shows the Shek Kwu Chau area with several monitoring stations marked with green dots: S1, S2, S3, CR1, CR2, B1, B2, B3, B4, C1, C2, H1, and M1. Two proposed outfalls are marked with red squares: S1 and F1. Four proposed 132KV submarine cables are shown as lines connecting S1 to CR2. A proposed reclaimed area for the IWMF is indicated by a purple shaded region around CR1 and CR2. The IWMF site boundary is shown as a dashed green line, and the land formation footprint is a solid purple line. A key in the bottom right corner defines these symbols.</p>		
<p>Parameter</p>	<p>Suspended Solid (SS)</p>		
<p>Action &amp; Limit Levels</p>	<p>Action</p>	<p>Limit</p>	
	<p>≥ 10.2 mg/L (120% of C1)</p>	<p>≥ 11.0 mg/L (130% of C1)</p>	
<p>Measurement Level</p>	<p>Impact Station(s) with Exceedance</p>	<p>Control Stations</p>	<p>Impact Stations without Exceedance</p>
	<p>11.5 mg/L (F1)                  11.0 mg/L (S1)                  11.7 mg/L (S2)                  14.5 mg/L (S3)</p>	<p>8.5 mg/L (C1)                  10.6 mg/L (C2)</p>	<p>8.3 mg/L (B1)                  7.3 mg/L (B2)                  8.5 mg/L (B3)                  7.8 mg/L (B4)                  8.3 mg/L (CR1)                  8.2 mg/L (CR2)                  9.0 mg/L (H1)                  6.5 mg/L (M1)</p>
<p>Possible reason for Action or Limit Level Non-compliance</p>	<p>Works carried out on site on 15/8 include ground investigation (GI) works of 3 small borehole drilling, which shall not be a major source of SS concentration increase considering the limited scale and nature of works.</p> <p>Dominating sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>S1 and F1 are located at unrelated stream direction (neither upstream nor downstream,</p>		



	<p>far away) and S2 is located at the upstream direction to the works location, exceedance of these monitoring locations are deemed to be unrelated to the Project.</p> <p>CR1 and CR2, which are also close monitoring station to the works location comparable to S3, also exhibited a much lower SS level. This may also suggest that the present exceedance at S3 was not due to the Project.</p> <p>Site tidiness in the present barges in the Project site were checked during weekly site inspection on 14/8, where applicable mitigation measures on water quality were found implemented and no improper site practice that might contribute to the increase in SS level was observed during the inspection.</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&amp;A Manual.</p>
<p>Remarks</p>	<p>Current direction during <b>mid-flood</b> sampling on 15/8:</p>  <p>Current direction during <b>mid-ebb</b> sampling on 15/8:</p>




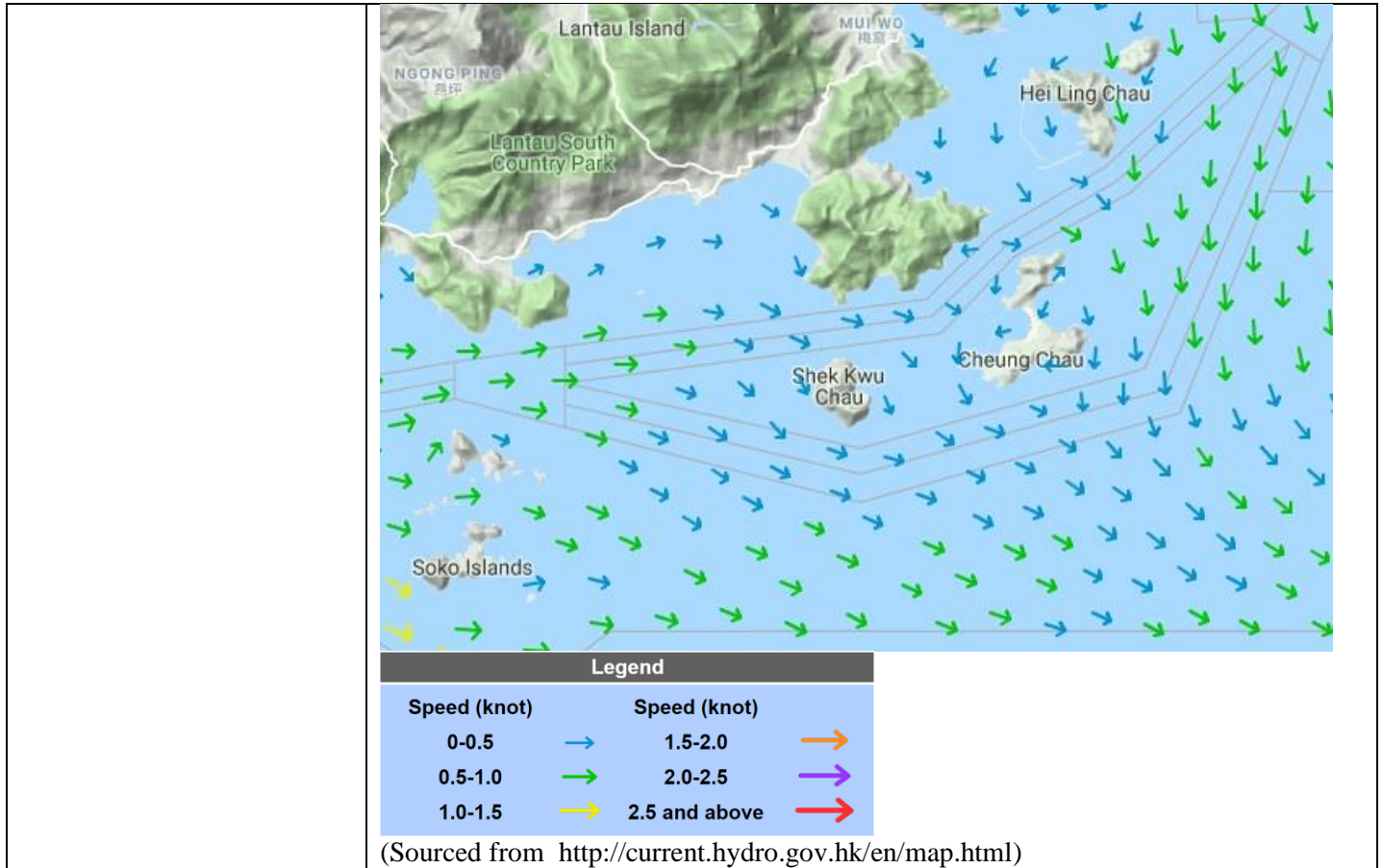
Prepared by	Karen Cheung
Date	22 August 2018

**Incident Report on Action Level or Limit Level Non-compliance**

Project	Integrated Waste Management Facilities, Phase 1		
Date	17 August 2018 (Lab result received on 22 August 2018)		
Time	8:44 – 12:14 (Mid-flood) 15:00 – 18:30 (Mid-ebb)		
Mid-flood			
Monitoring Location	<p>B3</p>		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action		Limit
	≥ 8 mg/L		≥ 10 mg/L
Measurement Level	Impact Station(s) with Exceedance	Control Stations	Impact Stations without Exceedance
	8.3 mg/L (B3)	4.8 mg/L (C1) 4.7 mg/L (C2)	6.3 mg/L (B1) 6.5 mg/L (B2) 5.8 mg/L (B4) 5.2 mg/L (CR1) 6.5 mg/L (CR2) 6.0 mg/L (F1) 6.0 mg/L (H1) 5.3 mg/L (S1) 4.8 mg/L (S2) 5.8 mg/L (S3)
Possible reason for Action or Limit Level Non-compliance	<p>Works carried out on site on 17/8 include ground investigation (GI) works of 3 small borehole drilling, which shall not be a major source of SS concentration increase considering the limited scale and nature of works.</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, considering the distance and absence of exceedance in monitoring stations in between B3 and the Project site, exceedance of this monitoring location is deemed to be unrelated to the Project.</p>		

	Site tidiness in the present barges in the project site were checked during weekly site inspection on 14/8, where no improper site practice that might contribute to the increase in SS level was observed during the inspection.		
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.		
Mid-ebb			
Monitoring Location	B2, B3, B4, H1, M1, CR1 and CR2		
	<p>The map shows the Shek Kwu Chau (SKC) area with various monitoring stations and a proposed outfall. Stations B2, B3, B4, H1, M1, CR1, and CR2 are circled in red, indicating they are the focus of the report. Stations B1, C1, C2, F1, S1, S2, and S3 are marked with green dots. A red square indicates the proposed outfall. The map also shows the proposed 132KV submarine cables, the IWMF site boundary, and the land formation footprint. A north arrow is present in the top right corner.</p>		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action		Limit
	≥ 8 mg/L		≥ 10 mg/L
Measurement Level	Impact Station(s) with Exceedance	Control Stations	Impact Stations without Exceedance
	8.0 mg/L (B2) 13.3 mg/L (B3) 13.5 mg/L (B4) 8.7 mg/L (H1) 8.5 mg/L (M1) 8.8 mg/L (CR1) 8.2 mg/L (CR2)	6.2 mg/L (C1) 9.5 mg/L (C2)	7.0 mg/L (B1) 6.8 mg/L (S1) 6.8 mg/L (S2) 7.2 mg/L (S3)
Possible reason for Action or Limit Level Non-compliance	<p>Works carried out on site on 17/8 include ground investigation (GI) works of 3 small borehole drilling, which shall not be a major source of SS concentration increase considering the limited scale and nature of works.</p> <p>Dominating sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>B2, B3, B4 and M1 are located at unrelated stream direction (neither upstream nor downstream, far away) and H1 is located at upstream direction to the works location, exceedance of these monitoring locations are deemed to be unrelated to the Project and implied the high background SS level of the near waters of SKC at the sampling period.</p>		


	<p>CR1 and CR2 are located near the works location, yet in consideration of no observed silt plume in the site area during the sampling and the comparable SS level with the Project unrelated monitoring stations as stated above, it is noted that nature fluctuation of SS level was present and the exceedance at CR1 and CR2 appeared to be an isolated case at these two stations to indicate SS increase unrelated to the Project activities.</p> <p>Site tidiness in the present barges in the Project site has been checked during weekly site inspection on 14/8, where applicable mitigation measures on water quality were found implemented and no improper site practice that might contribute to the increase in SS level was observed during the inspection.</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&amp;A Manual.</p>
<p>Remarks</p>	<p>Current direction during <b>mid-flood</b> sampling on 17/8:</p>  <p>Current direction during <b>mid-ebb</b> sampling on 17/8:</p>



Prepared by	Nelson Tsui
Date	23 August 2018

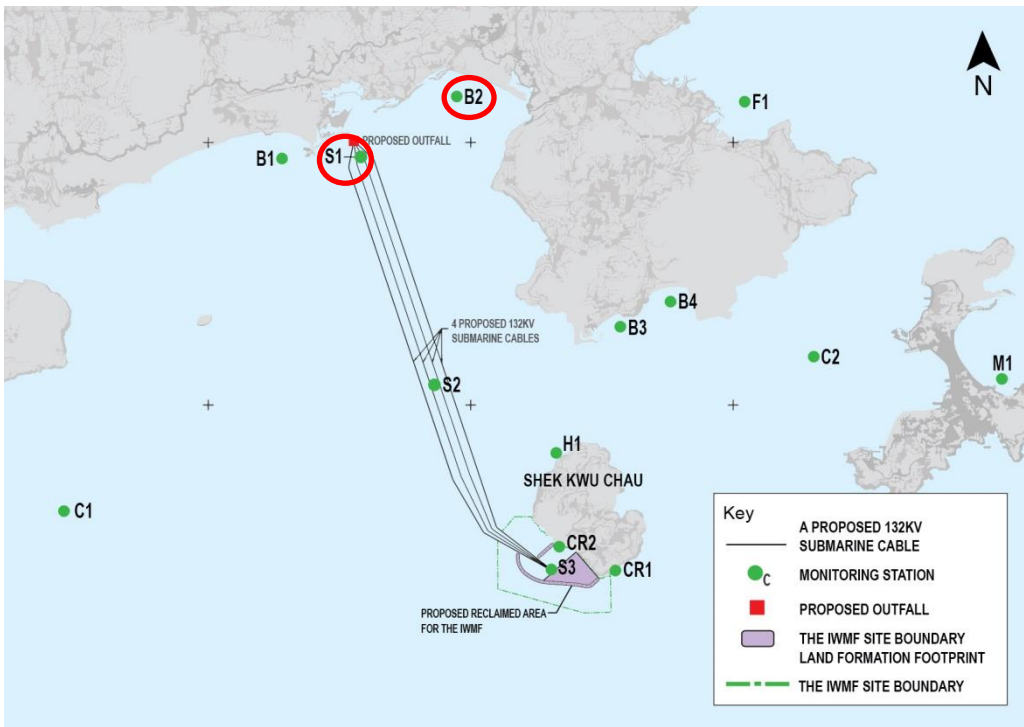
**Incident Report on Action Level or Limit Level Non-compliance**

Project	Integrated Waste Management Facilities, Phase 1		
Date	22 August 2018 (Lab result received on 27 August 2018)		
Time	08:15 – 11:45 (Mid-Ebb)		
Monitoring Location	M1, CR2 & S3		
	<p>The map shows the Shek Kwu Chau area with various monitoring stations marked as green dots: B1, B2, B3, B4, C1, C2, CR1, CR2, CR3, H1, M1, S1, S2, and S3. A red square indicates the proposed outfall. Four blue lines represent proposed 132KV submarine cables. A solid purple line shows the IWMF site boundary, and a dashed green line shows the IWMF site boundary. A key in the bottom right corner defines these symbols. A north arrow is located in the top right corner.</p>		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 12.4 mg/L (120% of C1)		≥ 13.4 mg/L (130% of C1)
Measurement Level	Impact Station(s) with Exceedance	Control Stations	Impact Station(s) without Exceedance
	13.2 mg/L (M1) 12.5 mg/L (CR2) 12.5 mg/L (S3)	10.3 mg/L (C1) 10.0 mg/L (C2)	6.8 mg/L (B1) 6.8 mg/L (B2) 9.0 mg/L (B3) 8.5 mg/L (B4) 9.0 mg/L (CR1) 9.0 mg/L (F1) 10.8 mg/L (H1) 7.5 mg/L (S1) 12.0 mg/L (S2)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 22/8 include ground investigation (GI) works of 3 small borehole drilling and 2 sample coring, which shall not be a major source of SS concentration increase considering the limited scale and nature of works.</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, considering the distance and absence of exceedance in monitoring stations in between M1 and the Project site, exceedance of this monitoring location is deemed to be unrelated to the Project and a localized event.</p> <p>CR1, which is the closer downstream monitoring station to CR2 and S3, also exhibited a much lower SS level. This may also suggest that the present exceedance at CR2 and</p>		



	<p>S3 were not due to the Project.</p> <p>Site tidiness in the present barges in the Project site were checked during weekly site inspection on 21/8, where applicable mitigation measures on water quality were found implemented and no improper site practice that might contribute to the increase in SS level was observed during the inspection.</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&amp;A Manual.</p>
<p>Remarks</p>	<p>Current direction during mid-ebb sampling on 22/8:</p>  <p>(Sourced from <a href="http://current.hydro.gov.hk/en/map.html">http://current.hydro.gov.hk/en/map.html</a>)</p>
<p>Prepared by</p>	<p>Nelson Tsui</p>
<p>Date</p>	<p>28 August 2018</p>









**Incident Report on Action Level or Limit Level Non-compliance**

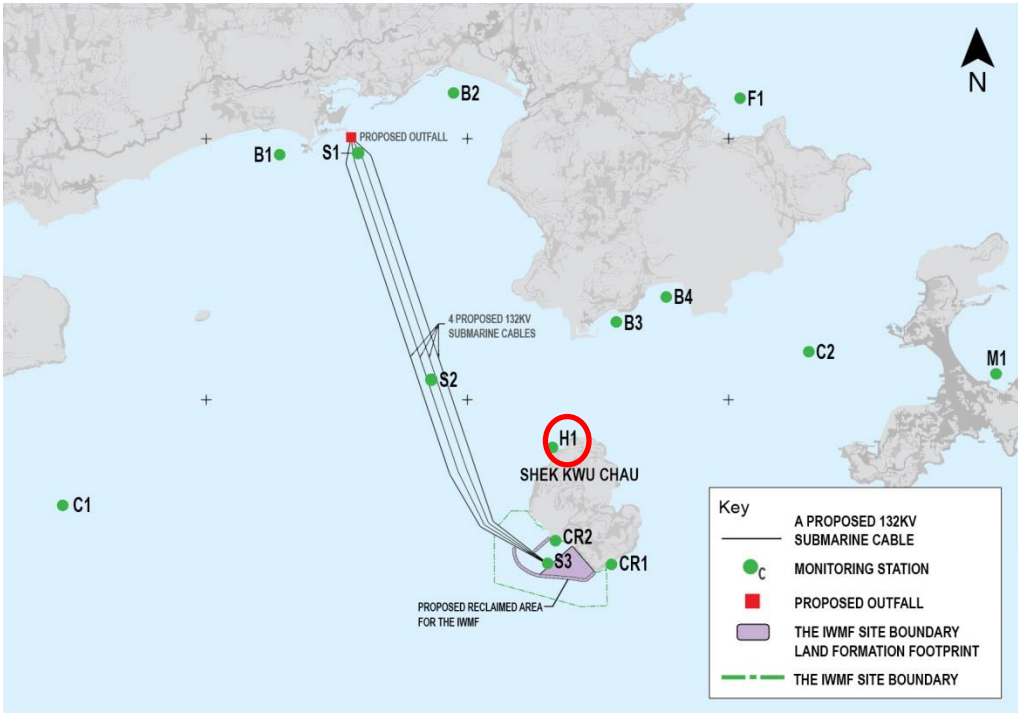
Project	Integrated Waste Management Facilities, Phase 1		
Date	24 August 2018 (Lab result received on 30 August 2018)		
Time	2:26-5:56 (Mid-Flood) 9:26-12:56 (Mid-Ebb)		
Mid-Flood			
Monitoring Location	B2 & S1 		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 9.4 mg/L (120% of C2)		≥ 10.1 mg/L (130% of C2)
Measurement Level	Impact Station(s) with Exceedance	Control Stations	Impact Station(s) without Exceedance
	10.5 mg/L (B2) 9.8 mg/L (S1)	7.7 mg/L (C1) 7.8 mg/L (C2)	8.8 mg/L (B1) 7.0 mg/L (B3) 6.5 mg/L (B4) 6.0 mg/L (F1) 8.2 mg/L (H1) 7.3 mg/L (M1) 5.8 mg/L (CR1) 8.2 mg/L (CR2) 7.8 mg/L (S2) 7.7 mg/L (S3)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 24/8 include ground investigation (GI) works of 3 small borehole drilling and 2 sample coring, which shall not be a major source of SS concentration increase considering the limited scale and nature of works.</p> <p>Dominating sea current direction was found to be from Southeast to Northwest at waters around Shek Kwu Chau.</p> <p>B2 and S1 are located at unrelated stream direction (neither upstream nor downstream, far away) to the works location, considering the distance and absence of exceedance in monitoring stations in between B2, S1 and the Project site, exceedance of this monitoring location is deemed to be unrelated to the Project.</p>		

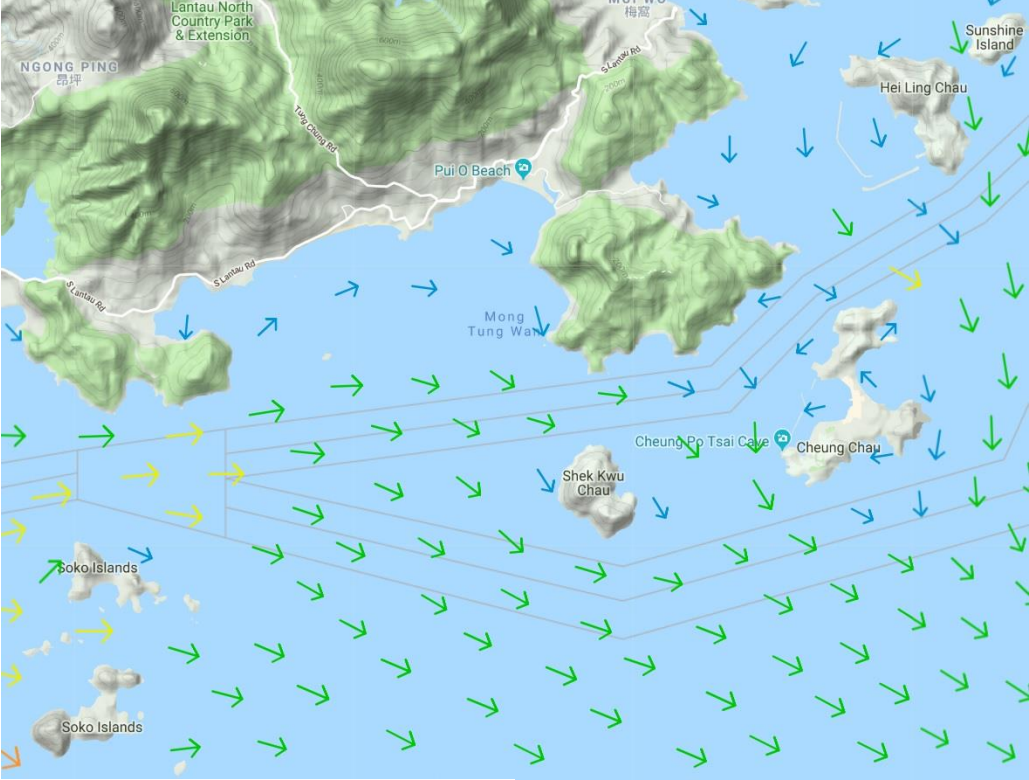
	<p>Site tidiness in the present barges in the Project site were checked during weekly site inspection on 21/8, where applicable mitigation measures on water quality were found implemented and no improper site practice that might contribute to the increase in SS level was observed during the inspection.</p>		
Actions taken / to be taken	<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&amp;A Manual.</p>		
Mid-Ebb			
Monitoring Location	<p>B2 &amp; B3</p> <p>The map shows the Shek Kwu Chau area with various monitoring stations (B1, B2, B3, B4, C1, C2, C3, F1, H1, M1, S1, S2, S3, CR1, CR2, CR3) and proposed infrastructure (outfall, cables, reclaimed area). Stations B2 and B3 are circled in red. A key identifies symbols for cables, monitoring stations, outfall, IWMF site boundary, and footprint.</p>		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 10.4 mg/L (120% of C1)		≥ 11.3 mg/L (130% of C1)
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	11.8 mg/L (B2) 10.8 mg/L (B3)	8.7 mg/L (C1) 9.0 mg/L (C2)	8.5 mg/L (B1) 10.3 mg/L (B4) 10.3 mg/L (F1) 9.2 mg/L (H1) 6.8 mg/L (M1) 7.2 mg/L (CR1) 7.3 mg/L (CR2) 8.8 mg/L (S1) 7.3 mg/L (S2) 9.2 mg/L (S3)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 24/8 include ground investigation (GI) works of 3 small borehole drilling and 2 sample coring, which shall not be a major source of SS concentration increase considering the limited scale and nature of works.</p> <p>Dominating sea current direction was found to be from Northwest to Southeast 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, considering the distance and absence of exceedance in</p>		

	<p>monitoring stations in between B2, B3 and the Project site, exceedance of this monitoring location 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 21/8, where applicable mitigation measures on water quality were found implemented and no improper site practice that might contribute to the increase in SS level was observed during the inspection.</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&amp;A Manual.</p>
<p>Remarks</p>	<p>Current direction during mid-flood sampling on 24/8:</p>  <p>Current direction during mid-ebb sampling on 24/8:</p> 

	<b>Legend</b>		
	<b>Speed (knot)</b>	<b>Speed (knot)</b>	
	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 <a href="http://current.hydro.gov.hk/en/map.html">http://current.hydro.gov.hk/en/map.html</a> )		
Prepared by	Nelson Tsui		
Date	31 August 2018		

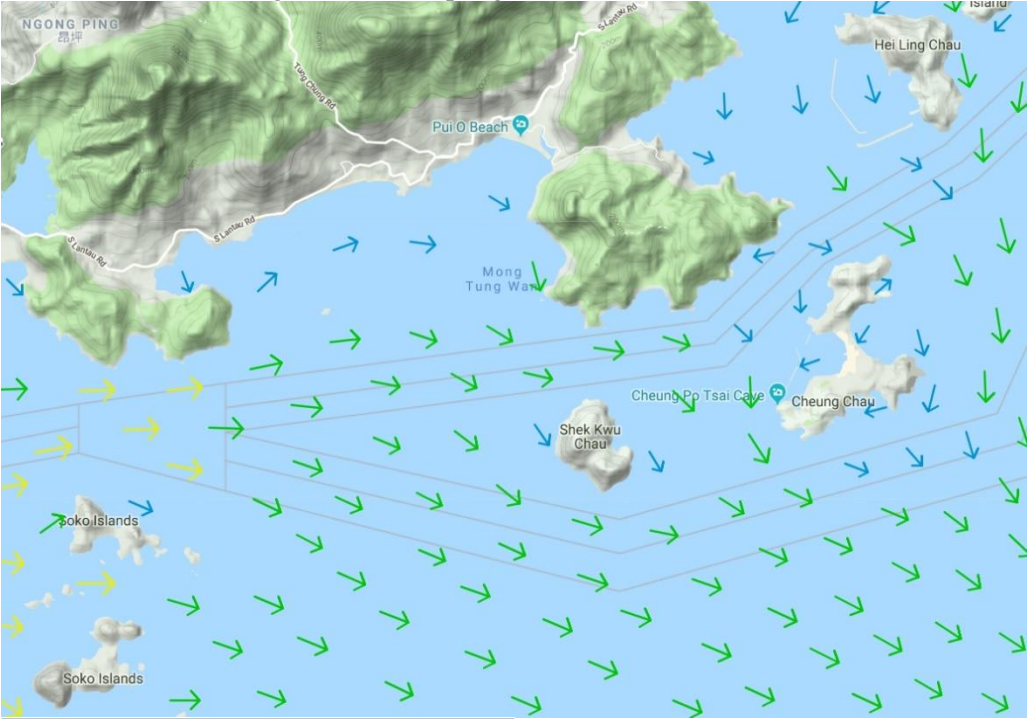
**Incident Report on Action Level or Limit Level Non-compliance**

Project	Integrated Waste Management Facilities, Phase 1		
Date	27 August 2018 (Lab result received on 30 August 2018)		
Time	11:07-14:37 (Mid-Ebb)		
Monitoring Location	H1 		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level	Limit Level	
	≥ 8.6 mg/L (120% of C1)	≥ 10.0 mg/L	
Measurement Level	Impact Station(s) with Exceedance	Control Stations	Impact Station(s) without Exceedance
	10.0 mg/L (H1)	7.2 mg/L (C1) 4.8 mg/L (C2)	5.5 mg/L (B1) 4.5 mg/L (B2) 3.5 mg/L (B3) 4.5 mg/L (B4) 4.2 mg/L (F1) 5.8 mg/L (M1) 8.0 mg/L (CR1) 5.7 mg/L (CR2) 4.8 mg/L (S1) 7.3 mg/L (S2) 8.3 mg/L (S3)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 27/8 include ground investigation (GI) works of 3 small borehole drilling and 2 sample coring, which shall not be a major source of SS concentration increase considering the limited scale and nature of works.</p> <p>Dominating sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>H1 is located at upstream to the works location, considering the absence of exceedance in closer downstream monitoring stations near the Project site, exceedance of this monitoring location 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</p>		

	inspection on 28/8, where applicable mitigation measures on water quality were found implemented and no improper site practice that might contribute to the increase in SS level was observed during the inspection.
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	<p>Current direction during mid-ebb sampling on 27/8:</p>  <p>(Sourced from <a href="http://current.hydro.gov.hk/en/map.html">http://current.hydro.gov.hk/en/map.html</a>)</p>
Prepared by	Nelson Tsui
Date	31 August 2018

**Incident Report on Action Level or Limit Level Non-compliance**

Project	Integrated Waste Management Facilities, Phase 1		
Date	29 August 2018 (Lab result received on 3 September 2018)		
Time	12:13-15:43 (Mid-Ebb)		
Monitoring Location	B1 		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 8.0 mg/L		≥ 10.0 mg/L
Measurement Level	Impact Station(s) with Exceedance	Control Stations	Impact Station(s) without Exceedance
	9.3 mg/L (B1)	4.3 mg/L (C1) 6.0 mg/L (C2)	4.8 mg/L (B2) 4.0 mg/L (B3) 6.0 mg/L (B4) 5.3 mg/L (F1) 5.0 mg/L (H1) 6.8 mg/L (M1) 5.3 mg/L (CR1) 5.3 mg/L (CR2) 5.3 mg/L (S1) 5.0 mg/L (S2) 7.0 mg/L (S3)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 29/8 include ground investigation (GI) works of 3 small borehole drilling and 2 sample coring, which shall not be a major source of SS concentration increase considering the limited scale and nature of works.</p> <p>Dominating sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>B1 is located at unrelated stream direction (neither upstream nor downstream, far away) to the works location, considering the distance and absence of exceedance in monitoring stations in between B1 and the Project site, exceedance of this monitoring location 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 28/8, where applicable mitigation measures on water quality were found implemented and no improper site practice that might contribute to the increase in SS level was observed during the inspection.</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&amp;A Manual.</p>								
<p>Remarks</p>	<p>Current direction during mid-ebb sampling on 29/8:</p>  <p>Legend</p> <table border="1" data-bbox="472 1182 986 1370"> <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 <a href="http://current.hydro.gov.hk/en/map.html">http://current.hydro.gov.hk/en/map.html</a>)</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>Nelson Tsui</p>								
<p>Date</p>	<p>3 September 2018</p>								