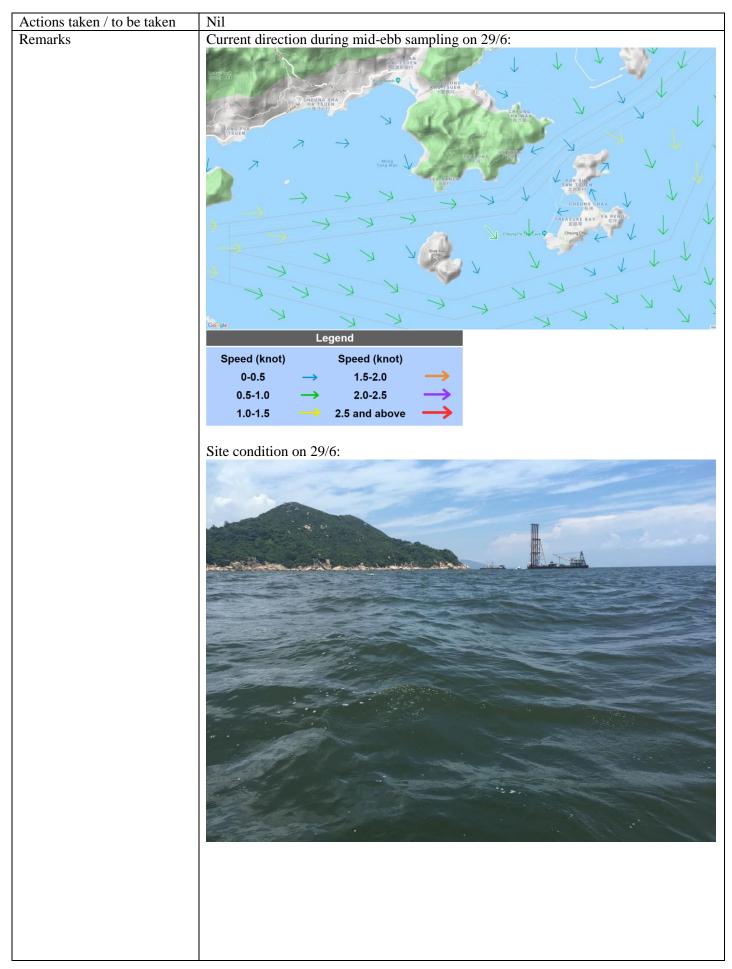
Appendix N Exceedance Report

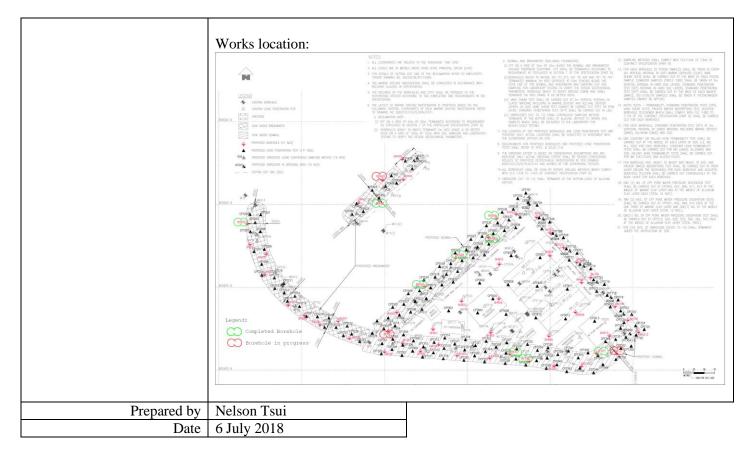
Integrated Waste Management Facilities, Phase 1

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

Statistical Summary of Exceedances

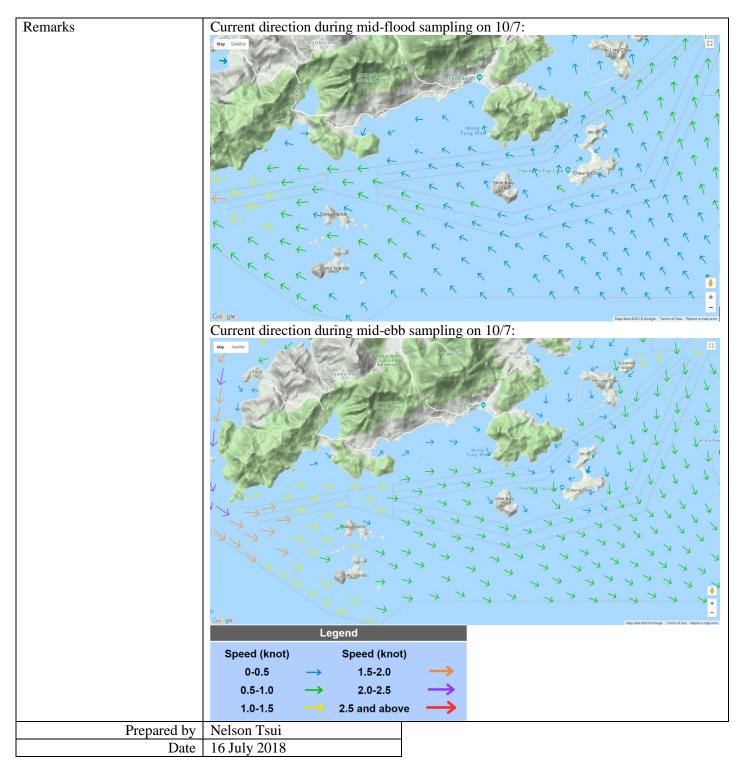
Project	Integrated Waste Management Facilities, Phase 1			
Date	29 June 2018 (Lab result received on 5 July 2018)			
Time	11:45 – 15:15 (Mid-ebb)			
Monitoring Location	B1, F1, CR1, CR2 and M1			
		PROVED DUFALL +		
2		PROPERTIES AREA	LEGEND: A PROPOSED 132NY System Ric CAR.E Cri MONTORING STATEM PROPOSED BELANER AREA PROPOSED BELANETER	
Parameter	Suspended Solid (SS)			
Action & Limit Levels	Action	Limit		
	$\geq 8 \text{ mg/L}$	$\geq 10 \text{ mg/L}$	1	
Measurement Level	Station(s) of Exceedance	Control Stations	Impact Stations	
	10.5 mg/L (B1)	5.8 mg/L (C1)	7 mg/L (B2)	
	10.5 mg/L (F1)	6.8 mg/L (C2)	6.5 mg/L (B3)	
	8.6 mg/L (CR1)		7.5 mg/L (B4)	
	11.8 mg/L (CR2)		7.8 mg/L (H1)	
	11.5 mg/L (M1)			
Possible reason for Action or Limit Level Non-compliance				
	Dominating sea current direct waters around Shek Kwu Cha	tion was found to be from No au.	rthwest to Southeast at	
	B1, F1, CR2 and M1 are located at upstream/unrelated stream direction to the works location, exceedance of these monitoring location are deemed to be unrelated to the Project, where these exceedance also implied the high background SS level of the near waters.			
	CR1 is located downstream (Southeast) to the works location, while no major difference in SS level was observed as compared with the closest station (CR2, East/Northeast/Northwest to works location), thus exceedance of this monitoring location is deemed to be unrelated to the Project.			
	Spatial variation among the background SS level is observed as control stations (C1, C2) and some impact stations (B2, B3, B4, H1) in the middle that are also located at upstream/unrelated stream direction to the works location have relatively lower SS level (5.8-7.8 mg/L).			





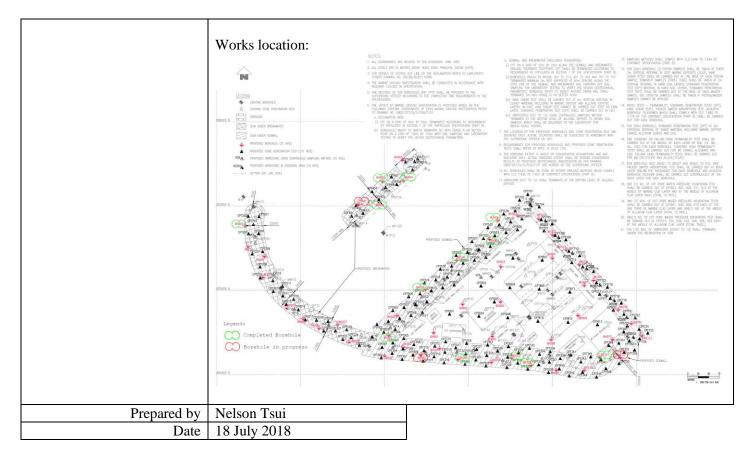
Project	Integrated Waste Managemen	nt Facilities, P	hase 1			
Date	10 July 2018 (Lab result rece					
Time	1:30 – 5:00 (Mid-flood)					
	8:15 – 11:45 (Mid-ebb)					
Mid-flood						
Monitoring Location	B4					
			SHEE (CU) CHAU	1 000F		
		PROPOSED REC FOR THE INNE	AIMED AREA-		MONITORING STATION PROPOSED OUTFALL PROPOSED RECLAIMED AREA PROPOSED BREAKWATER	
Parameter	Suspended Solid (SS)			<u> </u>		
Action & Limit Levels	Action		Limit			
	\geq 8.2 mg/L (120% of C2)		$\geq 10 \text{ mg/L}$			
Measurement Level	Station(s) of Exceedance	Control Stat	ions	Impact Static Exceedance	ons without	
	9.3 mg/L (B4)	5 mg/L (C1) 7 mg/L (B1) 6.8 mg/L (C2) 8 mg/L (B2) 8 mg/L (B3) 7.2 mg/L (CR1) 7.7 mg/L (CR2) 7.8 mg/L (F1) 5.2 mg/L (H1) 6.3 mg/L (M1)				
Possible reason for Action or Limit Level Non-compliance	 Works carried out on site on 10/7 include ground investigation (GI) works of 1 borehole drilling and preparation work for laying geotextile, frame type silt curtain and sand blanket, 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. B4 is located at unrelated stream direction to the works location, exceedance of this monitoring location is deemed to be unrelated to the Project. 					
	The exceedance of SS level is observed as a localized event with no continuous trending as all other monitoring stations have similarly low SS level.					

Mid-ebb					
Monitoring Location	M1				
		REPORTED DUTALL			
Parameter	Sugmonded Solid (SS)		PROPOSED BREAKWATER		
	Suspended Solid (SS)	Lingt			
Action & Limit Levels	Action	Limit			
Measurement Level	$\geq 8 \text{ mg/L}$ Station(s) of Exceedance	$\geq 10 \text{ mg/L}$ Control Stations	Impact Stations without		
			Exceedance		
	12.2 mg/L (M1)	5.5 mg/L (C1) 6.3 mg/L (C2)	5.8 mg/L (B1) 6 mg/L (B2) 5.8 mg/L (B3) 5.5 mg/L (B4) 6.8 mg/L (CR1) 6.7 mg/L (CR2) 5.3 mg/L (F1) 6.7 mg/L (H1)		
Possible reason for Action or Limit Level Non-compliance					
	 Waters around Shek Kwu Chau. M1 is located at unrelated stream direction to the works location, exceedance of this monitoring location is deemed to be unrelated to the Project. The exceedance of SS level is observed as a localized event with no continuous trending as all other monitoring stations have similarly low SS level. 				
Actions taken / to be taken	Nil		. ~~ 10 , 011		
ACTIONS LAKEN / TO DE LAKEN	1111				

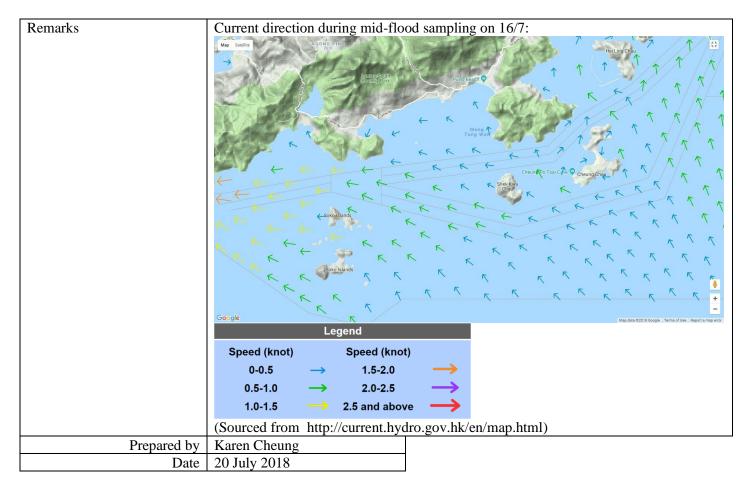


Integrated Waste Manageme	nt Facilities. Phase 1		
	PROPOSID DUTAL +		
•"	SHEET, KAU CHAU SHEET, KAU CHAU HOUSE HEET HAU	LEGEND: A PRODUCT 198Y SUBMINE CALL THE RECENT AND A PRODUCT 198Y A REPORT OF A PRODUCT 198Y A REPORT OF A PRODUCT 198Y PRODUCT 01 AND A REA PRODUCT 01 AND A REA PRODUCT 01 AND A REA PRODUCT 01 AND A REA A REPORT 01 AND A REA PRODUCT 01 AND A REA PRODUCT 01 AND A REA PRODUCT 01 AND A REA A REPORT 01 AND A REA PRODUCT 01 AND A REA A REPORT 01 AND A REA A REAL AND A REAL AND A REA A REAL AND A REAL AND A REAL AND A REAL AND A REAL A REAL AND A REAL	
A	I insit		
Station(s) of Exceedance 9 mg/L (CR1) 9.8 mg/L (B2)	Control Stations 6.5 mg/L (C1) 7.3 mg/L (C2)	Impact Stations of No Exceedance 7.5 mg/L (B1) 4.5 mg/L (B3) 3.5 mg/L (B4) 7.7 mg/L (CR2) 7.2 mg/L (F1) 6 mg/L (H1)	
7.7 mg/L (M1)Works carried out on site on 12/7 include ground investigation (GI) works of 3 borehole drilling, fabrication of the frame type silt curtain and loading of material on barge, 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 Northwest to Southeast at waters around Shek Kwu Chau.B2 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. Control station C2 and several impact monitoring stations (B1, CR2, F1, M1) that are also located at upstream/unrelated stream direction to the works location showed considerably high SS level (7.2-7.7 mg/L) that is close to the Action Level (8 mg/L) of that tidal period, implying the high background SS level of the surrounding waters.CR1 is located downstream (Southeast) to the works location, yet in consideration of absent of potential SS deteriorating works activity, no observed silt plume in the site			
	12 July 2018 (Lab result rec 9:52 – 13:22 (Mid-ebb) B2 and CR1 Image: Suspended Solid (SS) Action \geq 8 mg/L Station(s) of Exceedance 9 mg/L (CR1) 9.8 mg/L (B2) Works carried out on site on borehole drilling, fabrication barge, which shall not be a n limited scale and nature of w Dominating sea current direct waters around Shek Kwu Ch B2 is located at unrelated str away) to the works location, unrelated to the Project. Con (B1, CR2, F1, M1) that are a works location showed consider to the works location showed consider to the location showed consider to the location showed considered to the project. Con (B1, CR2, F1, M1) that are a works location showed considered to the project. Con (B1, CR2, F1, M1) that are a works location showed considered to the project. Con (B1, CR2, F1, M1) that are a works location showed considered to the project. Con (B1, CR2, F1, M1) that are a works location showed considered to the project. Con (B1, CR2, F1, M1) that are a works location showed considered to the project. Con (B1, CR2, F1, M1) that are a works location showed considered to the project. Con (B1, CR2, F1, M1) that are a works location showed considered to the project. Con (B1, CR2, F1, M1) that are a works location showed considered to the project. Con (B1, CR2, F1, M1) that are a works location showed considered to the project. Con (B1, CR2, F1, M1) that are a works location showed considered to the project. Con (B1, CR2, F1, M1) that are a works location showed considered to the project. Con (B1, CR2, F1, M1) that are a works location showed considered to the project. Con (B1, CR2, F1, M1) that are a works location s	B2 and CR1 Image: Superded Solid (SS) Action Limit \geq 8 mg/L \geq 10 mg/L Station(s) of Exceedance Control Stations 9 mg/L (CR1) 6.5 mg/L (C1) 9.8 mg/L (B2) 7.3 mg/L (C2) Works carried out on site on 12/7 include ground investigat borehole drilling, fabrication of the frame type silt curtain a barge, which shall not be a major source of SS concentrated limited scale and nature of works. Dominating sea current direction was found to be from No waters around Shek Kwu Chau. B2 is located at unrelated stream direction (neither upstream away) to the works location, exceedance of this monitoring unrelated to the Project. Control station C2 and several im (B1, CR2, F1, M1) that are also located at upstream/unrelaworks location showed considerably high SS level (7.2-7.) Action Level (8 mg/L) of that tidal period, implying the high	

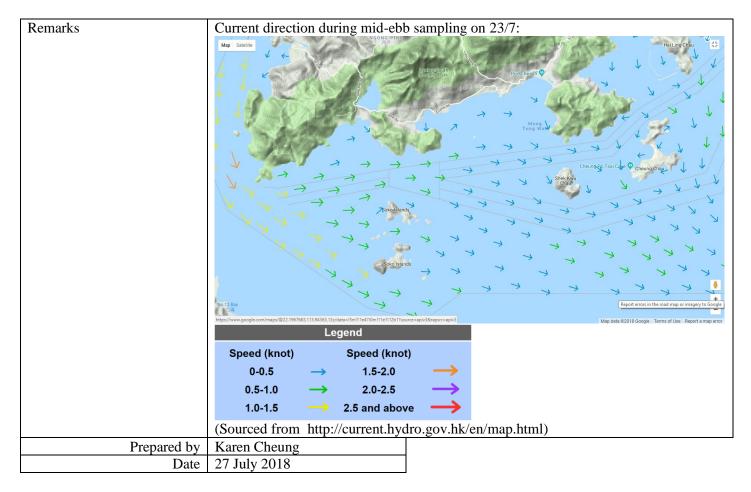
area and high background SS level as stated above, it is noted that the singular
exceedance at CR1 appeared to be an isolated case with no continuous trend to indicate SS increase due to the Project activities.
indicate 55 increase due to the radject activities.
Spatial variation among the background SS level is observed as control stations C1
and some impact stations (B3, B4, H1) in the middle that are also located at
upstream/unrelated stream direction to the works location have relatively lower SS
level (3.5-6.5 mg/L).
Nil Current direction during mid abb sempling on 12/7:
Current direction during mid-ebb sampling on 12/7:
1.0-1.5 \longrightarrow 2.5 and above \longrightarrow
(Sourced from: http://current.hydro.gov.hk/en/map.html)
Site condition on 12/7:



Project	Integrated Waste Managemen	nt Facilities, Pl	hase 1	
Date	16 July 2018 (Lab result received on 19 July 2018)			
Time	6:16-9:46 (Mid-flood)			
Time Monitoring Location	6:16 – 9:46 (Mid-flood) CR1			
Parameter	Suspended Solid (SS)	PROPOSED MEET FOR THE INF	AINED MEL-	LEGEND: A PROPOSED 122KY SUBMARIE CARL C T NOTTORIA 51100 PROVISED DUTALL PROPOSED RELAVANTER
Action & Limit Levels	Action		Limit	
	\geq 12.4 mg/L (120% of C2)			130% of (2)
Measurement Level	Impact Station(s) of Exceedance			Impact Station(s) without Exceedance
	14.7 mg/L (CR1)	8.5 mg/L (C 10.3 mg/L (C		8.5 mg/L (B1) 7.5 mg/L (B2) 10.0 mg/L (B3) 9.5 mg/L (B4) 8.8 mg/L (CR2) 10.2 mg/L (F1) 6.5 mg/L (H1) 7.5 mg/L (M1)
Possible reason for Action or Limit Level Non-compliance	Works scheduled on site on 16/7 include ground investigation (GI) works of 3 borehole drilling and site trial of sand blanket laying works, while all marine works were suspended on 16/7 due to strong wind and strong wave at the site, thus no source of SS concentration increase was available from the Project. Dominating sea current direction was found to be from Southeast to Northwest at waters around Shek Kwu Chau.			
Actions taken / to be taken	In consideration of absence of works activity, no observed silt plume in the site area and the lower SS level at the closest downstream monitoring station (CR2, Northwes to the proposed work location when comparing with that of CR1, it is concluded that the exceedance of this monitoring location is unrelated to the Project. Nil			g station (CR2, Northwest) CR1, it is concluded that



Project	Integrated Waste Management Facilities, Phase 1			
Date	23 July 2018 (Lab result received on 26 July 2018)			
Time	8:04 – 11:34 (Mid-Ebb)			
Monitoring Location	B4 and M1	PROVED DUFAL +		
P		PROVISE INCLINED ARCA	LEGEND: A PROPOSID 13XXV SUBMA RC CARE C MANTERING STATEM PROPOSED BELAVIES AREA PROPOSED BELAVIES AREA PROPOSED BELAVIES	
Parameter	Suspended Solid (SS)			
Action & Limit Levels	Action	Limit		
	\geq 13.2 mg/L (120% of C1)	\geq 14.3 mg/L (
Measurement Level	Impact Station(s) of	Control Stations	Impact Station(s) without	
	Exceedance		Exceedance	
	16.8 mg/L (B4) 15.0 mg/L (M1)	11.0 mg/L (C1)	11.3 mg/L (B1) 10.0 mg/L (B2)	
	15.0 mg/L (M1)	13.8 mg/L (C2)	10.0 mg/L (B2) 8.3 mg/L (B3)	
			12.8 mg/L (CR1)	
			7.7 mg/L (CR2)	
			8.5 mg/L (F1)	
			12.7 mg/L (H1)	
			12.5 mg/L (S1)	
			8.8 mg/L (S2)	
			11.7 mg/L (S3)	
Possible reason for Action or Limit Level Non-compliance				
	Demination		ulteres et de C (1) i i	
	Dominating sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.			
	B4 and M1 are 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.			
	The exceedance of SS level is observed as a localized event with no continuous trending as all other monitoring stations have similarly relatively lower SS level.			
Actions taken / to be taken	Nil	ing stations have similarly lefe		



Project	Integrated Waste Manageme	ent Facilities. Phase 1		
Date	25 July 2018 (Lab result received on 27 July 2018)			
Time	1:45 – 5:15 (Mid-Flood)			
Monitoring Location	S3			
		RIPTIND DUITALL +		
		Popopos accuarco area	LEGEND: Stanking Code Code Machiner Station Provided Difference Provided Difference Pro	
Parameter	Suspended Solid (SS)			
Action & Limit Levels	Action	Limit		
	$\geq 8 \text{ mg/L}$	$\geq 10 \text{ mg/L}$		
Measurement Level	Impact Station(s) of	Control Stations	Impact Station(s) without	
	Exceedance		Exceedance	
	8.7 mg/L (S3)	3.5 mg/L (C1)	6 mg/L (B1)	
		4.7 mg/L (C2)	7.8 mg/L (B2)	
			7 mg/L (B3)	
			4 mg/L (B4)	
			7.8 mg/L (CR1)	
			6.5 mg/L (CR2)	
			5.8 mg/L (F1)	
			6 mg/L (H1)	
			6.2 mg/L (M1)	
			5 mg/L (S1)	
Possible reason for Action or	εεε			
Limit Level Non-compliance	borehole drilling and mainte	nance of DCM equipment, w	ation (GI) works of 3 hich shall not be a major	
Limit Level Non-compliance	borehole drilling and mainte	<u> </u>	ation (GI) works of 3 hich shall not be a major	
Limit Level Non-compliance	borehole drilling and mainte source of SS concentration in	nance of DCM equipment, w ncrease considering the limite de at mid-night of 25/7, no si	ation (GI) works of 3 hich shall not be a major ed scale and nature of works.	
Limit Level Non-compliance	borehole drilling and mainte source of SS concentration in Mid-flood sampling was mad during the monitoring period	nance of DCM equipment, w ncrease considering the limite de at mid-night of 25/7, no si l.	ation (GI) works of 3 hich shall not be a major ed scale and nature of works. te activities was carried out	
Limit Level Non-compliance	borehole drilling and mainte source of SS concentration in Mid-flood sampling was mad during the monitoring period In consideration of absence of	nance of DCM equipment, w ncrease considering the limite de at mid-night of 25/7, no si l. of works and no exceedance of	ation (GI) works of 3 hich shall not be a major ed scale and nature of works. te activities was carried out during the other tide period	
Limit Level Non-compliance	borehole drilling and mainter source of SS concentration in Mid-flood sampling was man during the monitoring period In consideration of absence of of the same day with presence	nance of DCM equipment, w ncrease considering the limite de at mid-night of 25/7, no si l.	ation (GI) works of 3 hich shall not be a major ed scale and nature of works. te activities was carried out during the other tide period	
Limit Level Non-compliance	borehole drilling and mainte source of SS concentration in Mid-flood sampling was mad during the monitoring period In consideration of absence of	nance of DCM equipment, w ncrease considering the limite de at mid-night of 25/7, no si l. of works and no exceedance of	ation (GI) works of 3 hich shall not be a major ed scale and nature of works. te activities was carried out during the other tide period	
	borehole drilling and mainter source of SS concentration in Mid-flood sampling was mad during the monitoring period In consideration of absence of of the same day with presence unrelated to the Project.	nance of DCM equipment, w ncrease considering the limite de at mid-night of 25/7, no si l. of works and no exceedance of	ation (GI) works of 3 hich shall not be a major ed scale and nature of works. te activities was carried out during the other tide period	
Actions taken / to be taken	borehole drilling and mainter source of SS concentration in Mid-flood sampling was mad during the monitoring period In consideration of absence of of the same day with presence unrelated to the Project.	nance of DCM equipment, w ncrease considering the limite de at mid-night of 25/7, no si l. of works and no exceedance of	ation (GI) works of 3 hich shall not be a major ed scale and nature of works. te activities was carried out during the other tide period	

Project	Integrated Waste Management	nt Facilities. Phase 1		
Date	30 July 2018 (Lab result received on 2 August 2018)			
Time	10:45 – 14:15 (Mid-Ebb)			
Monitoring Location	B3			
		HRUSSD OUTFALL		
Denometer	Sugnandad Salid (SS)		PROPOSED BREAKWATER	
Parameter	Suspended Solid (SS)	T ::4		
Action & Limit Levels	Action $\geq 11.0 \text{ mg/L} (120\% \text{ of C1})$	$\frac{\text{Limit}}{\geq 11.9 \text{ mg/L}}$	(130% of C1)	
Measurement Level	Impact Station(s) of Exceedance 13.0 mg/L (B3)	Control Stations 9.2 mg/L (C1) 7.2 mg/L (C2)	Impact Station(s) without Exceedance 4.8 mg/L (B1) 4.8 mg/L (B2) 8.5 mg/L (B4) 6.5 mg/L (CR1) 7.0 mg/L (CR2) 8.3 mg/L (F1)	
Possible reason for Action or	Works scheduled on site on 3	30/7 include ground investigat	10.2 mg/L (H1) 8.2 mg/L (M1)	
Limit Level Non-compliance				
	Dominating sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.B3 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.The exceedance of SS level is observed as a localized event with no continuous trending as all other monitoring stations have similarly relatively lower SS level.			
Actions taken / to be taken				
Actions taken / to be taken	Nil			

