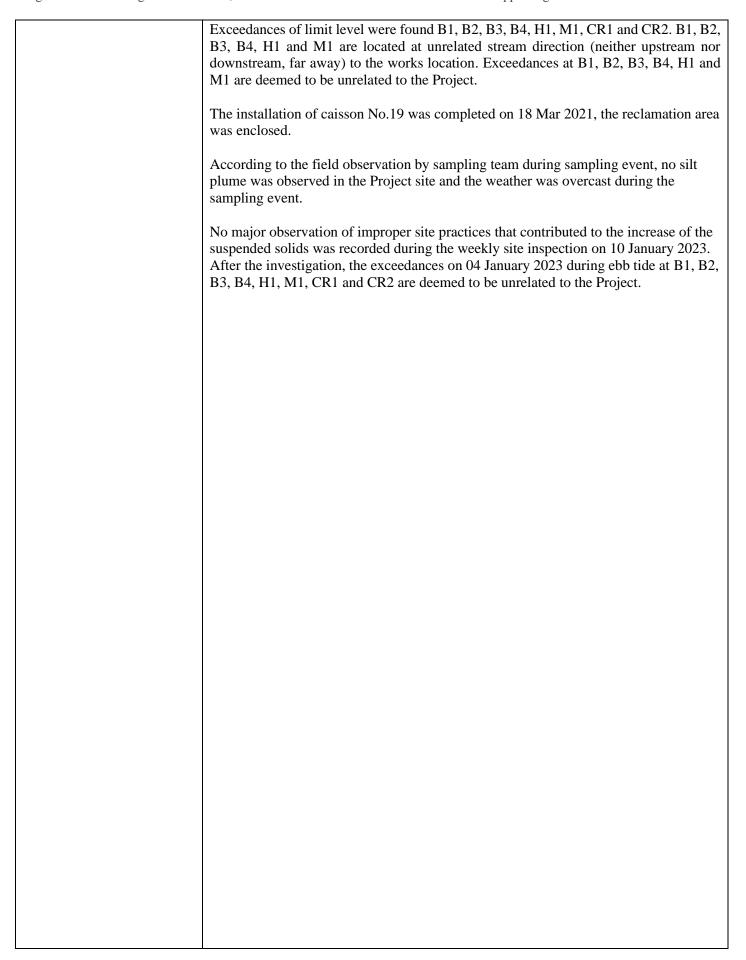
Contract No. EP/SP/66 Integrated Waste Mana	/12 gement Facilities, Phase 1	Keppel Seghers – Zhen Hua Joint Venture
Appendix N	Exceedance Report	

Statistical Summary of Exceedances in the Reporting Period

	Water Quality (Regular Monitoring)				
Location	Action Level	Limit Level	Total		
B1	1	1	2		
B2	0	1	1		
В3	2	1	3		
B4	0	1	1		
CR1	1	1	2		
CR2	2	1	3		
F1A	0	1	1		
H1	2	1	3		
S1	Not applicable				
S2A	Not applicable				
S3	Not applicable				
M1	1 2 3				

	Noise (Day Time)				
Location	Action Level	Limit Level	Total		
M1	0	0	0		
M2	0	0	0		
M3	0	0	0		
	Noise (Eve	ening Time)			
Location	Action Level	Limit Level Tot			
M1	0	0	0		
M2	0	0	0		
M3	0	0	0		
	Noise (N	ight Time)			
Location	Action Level	Limit Level	Total		
M1	0	0	0		
M2	0	0	0		
M3	0	0	0		

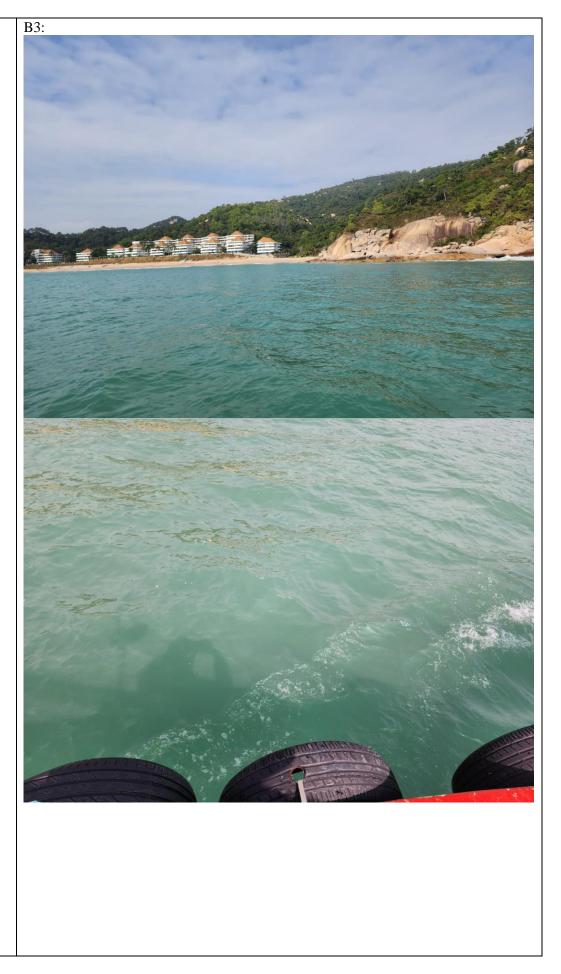
Project	Integrated Waste Managemen	nt Facilities, Phase 1			
Date	04 Jan 2023 (Lab result received on 13 January 2023)				
Time	09:49 – 11:56 (Mid-Ebb)				
	14:07 – 17:37 (Mid-Flood)				
		Mid-Ebb			
Monitoring Location		B1, B2, B3, B4, H1, M1, CR1, CR2			
	+ B1 S1	PROPOSED CUITALL + SZA 4 PROPOSED 132KV SUBMARINE CABLES H1 SHEK KWU (CR2) PROPOSED RECLAIMED AREA FOR THE IMMF	CHAU Key A PROPOSED 132KV SUBMARINE CABLE OC MONITORING STATION PROPOSED OUTFALL THE IWMF SITE BOUNDARY LAND FORMATION FOOTPRINT THE IWMF SITE BOUNDARY		
D	0 1 10 1:1(00)				
Parameter	Suspended Solid (SS)				
Action & Limit Levels	Action Level	Limit 1			
	\geq 11.6 mg/L (120% of C1A)		mg/L (130% of C1A)		
Measurement Level	Impact Station(s) of	Control Stations	Impact Station(s) without		
	Exceedance	0.5 (01.1)	Exceedance		
	15.0 mg/L (B1)	9.7 mg/L (C1A)	7.3 mg/L (F1A)		
	24.3 mg/L (B2)	7.7 mg/L (C2A)			
	19.0 mg/L (B3)				
	18.0 mg/L (B4)				
	23.8 mg/L (H1)				
	17.2 mg/L (M1)				
	17.2 mg/L (CR1)				
	17.2 mg/L (CR2)				
Possible reason for Action or	Works schadulad on site on	M. Ian 2023 include:	laying of 900kg underlayer rock at		
Limit Level Non-compliance			• • •		
Zimit Zever von compitation	Seawall A seaside CH490 - CH600, installation of Chinese pod at Caissons 52 laying of 2.5T armour rock at Breakwater A seaside CH1030 - CH1120, remove surcharge materials from Zone 5 to flat top barge Hong Hong 3133, piling works, powerlay works for driven pile, piling works for pre-bored socketed H-pile, pile cap construction.				
	blockwork seawall and existing caisson extension, and Process Building co				
	works.				
	Dominant sea current direction around Shek Kwu Chau.	on was found to be fro	m Southeast to Northwest at waters		

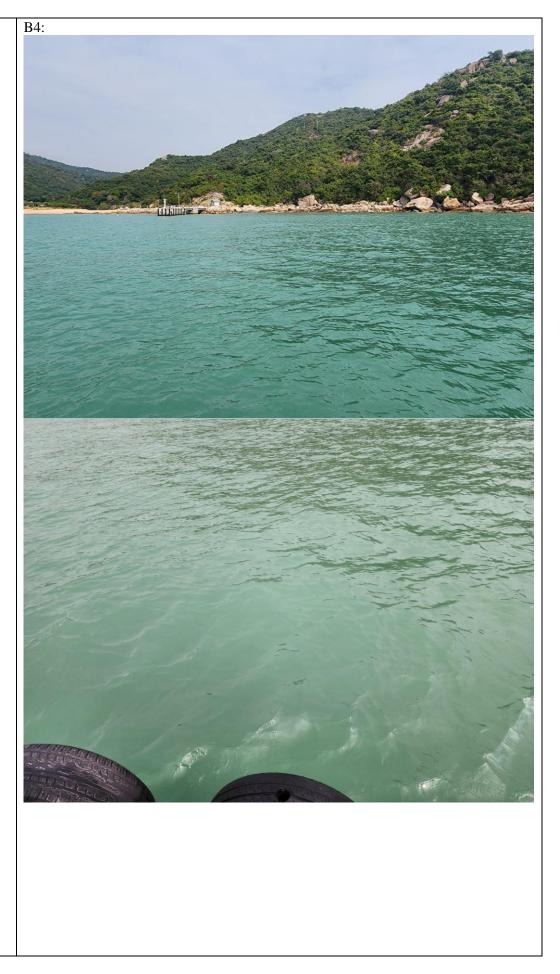


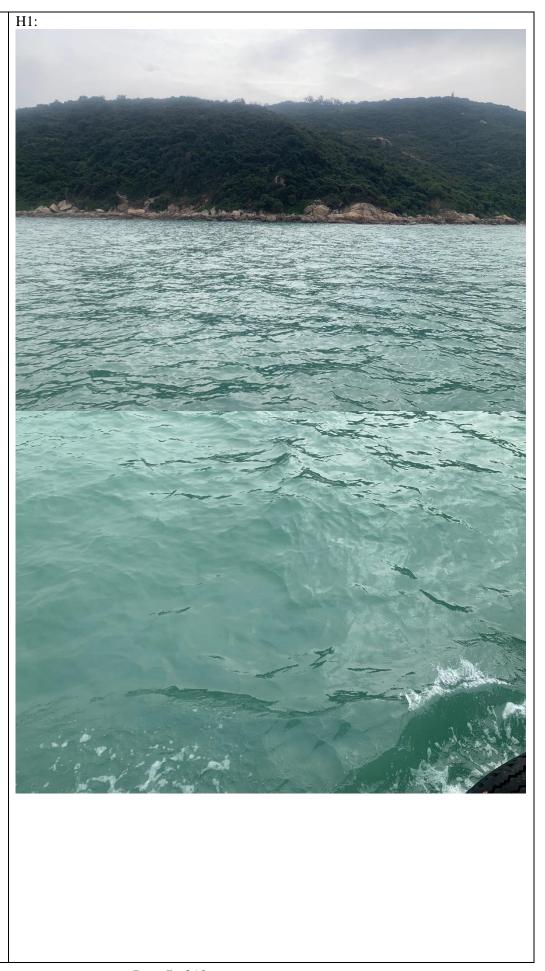
Monitoring photos of stations with exceedance B1:



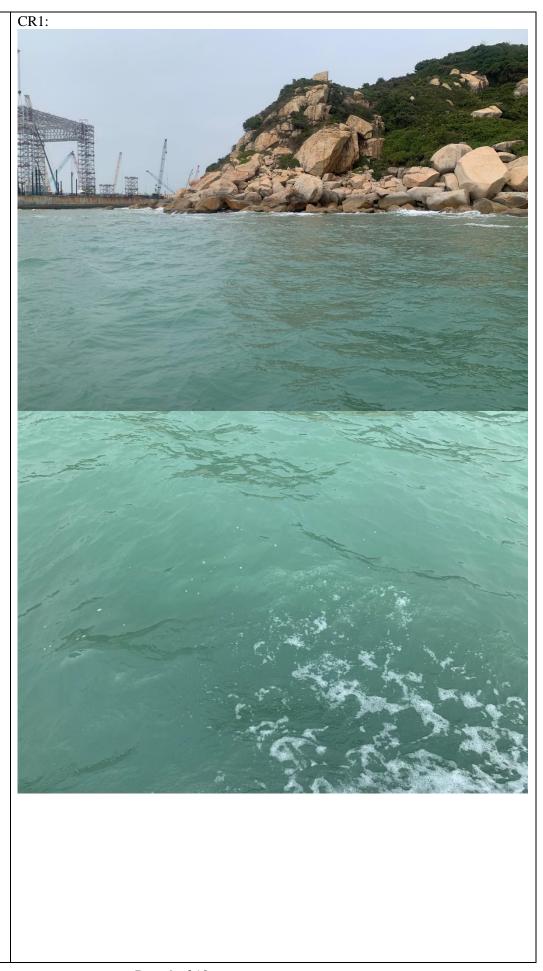
Page 4 of 18



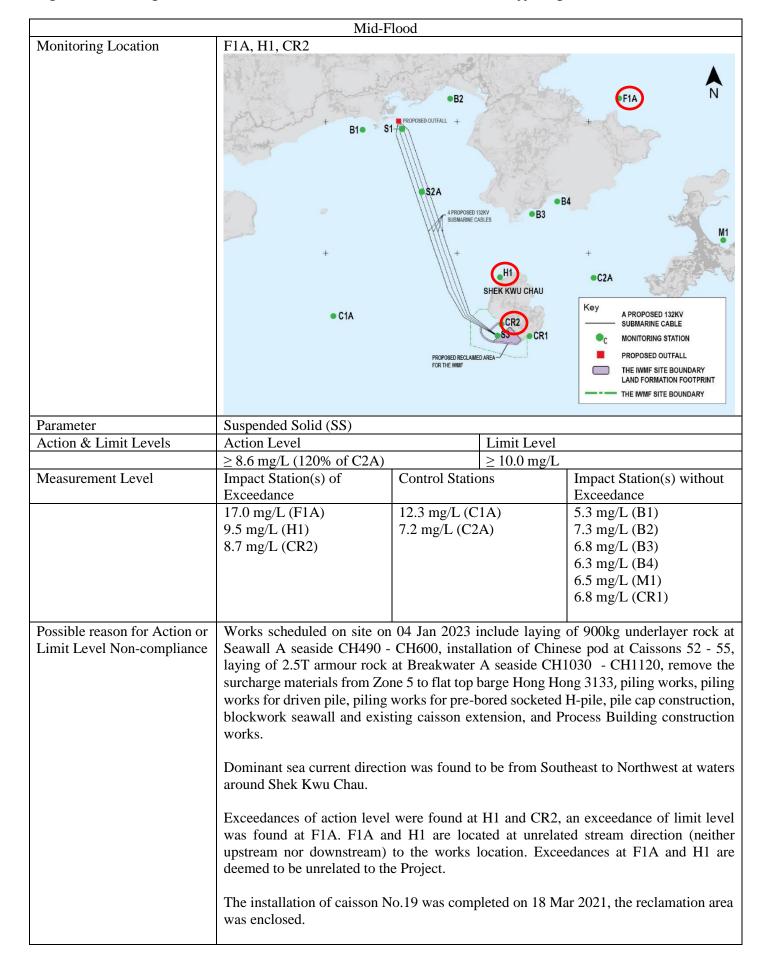








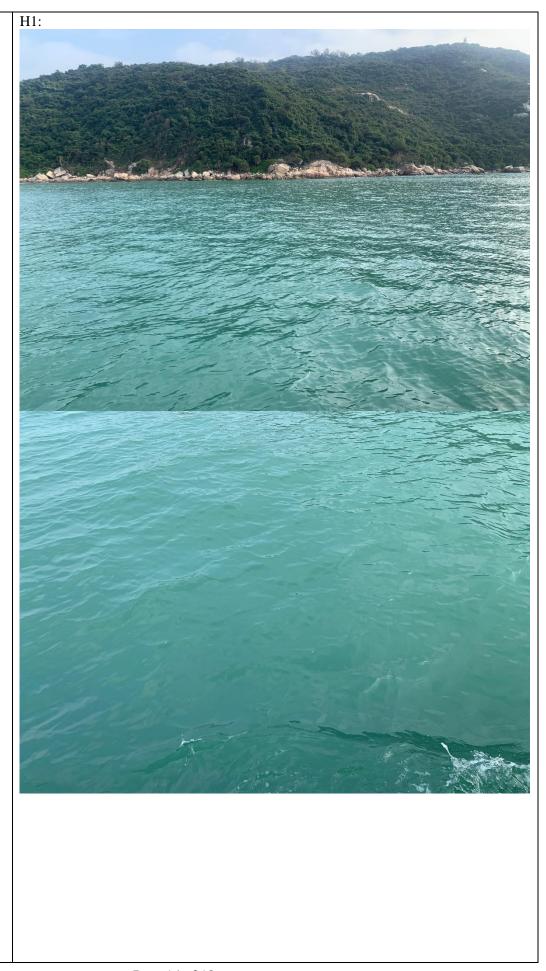


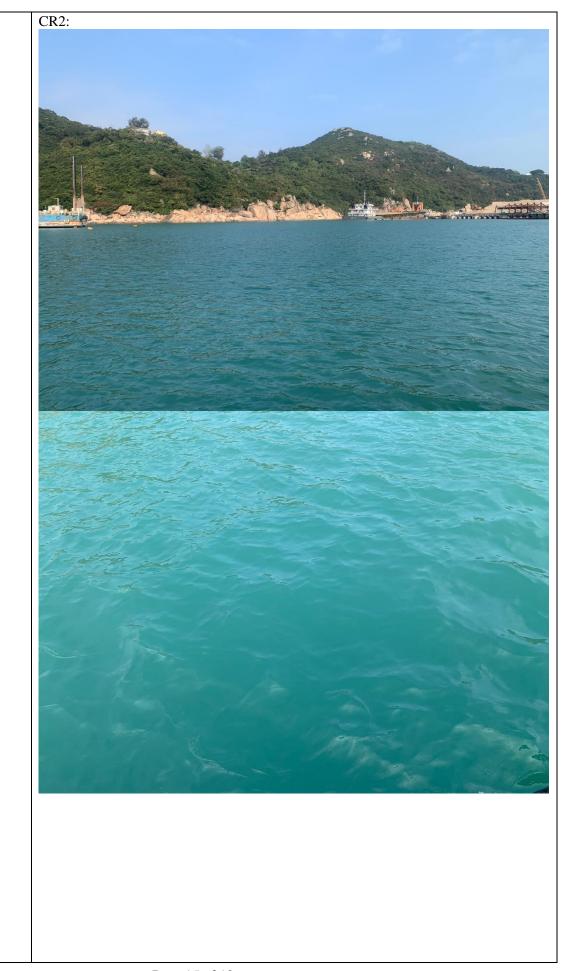


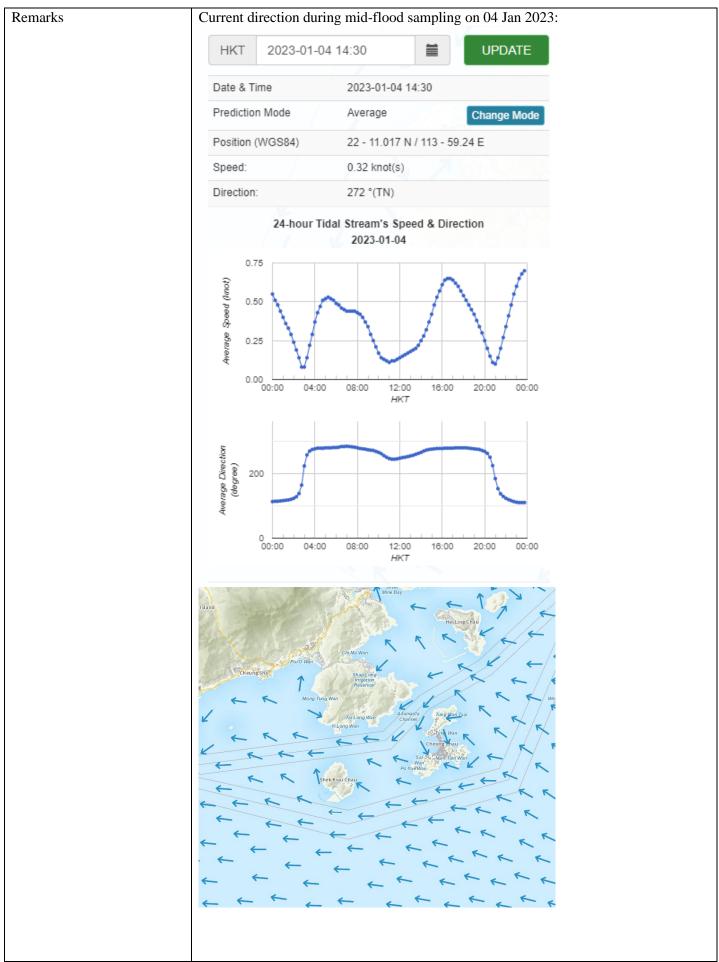
According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site and the weather was fine during the sampling event.
No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly site inspection on 10 January 2023.
After the investigation, the exceedances on 04 January 2023 during flood tide at F1A, H1 and CR2 are deemed to be unrelated to the Project.

Monitoring photos of stations with exceedance

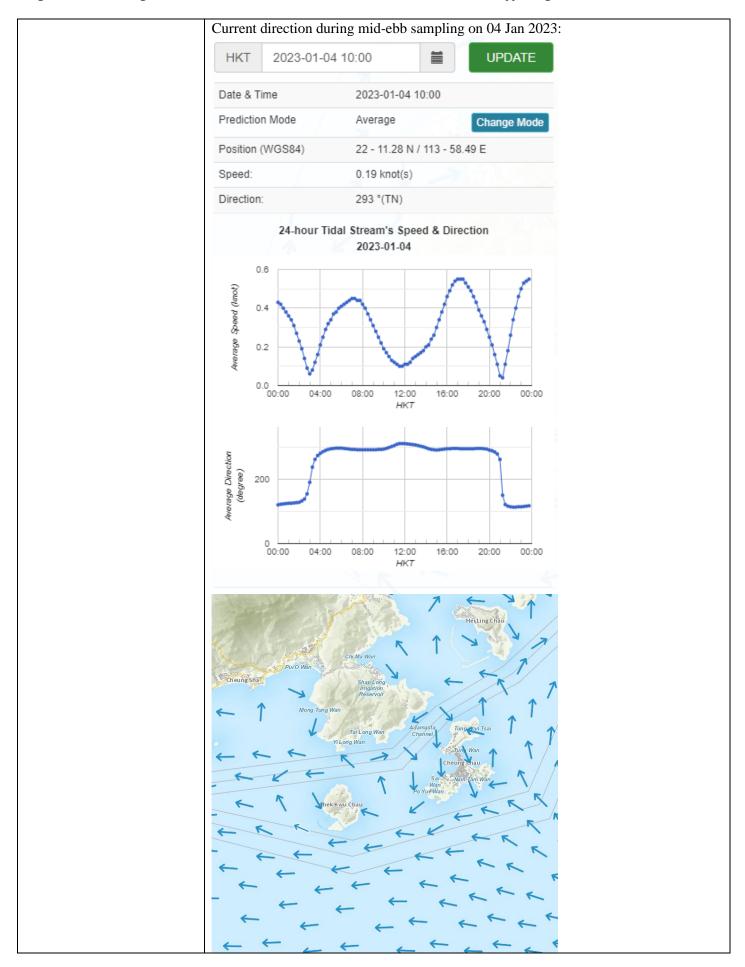








Page 16 of 18

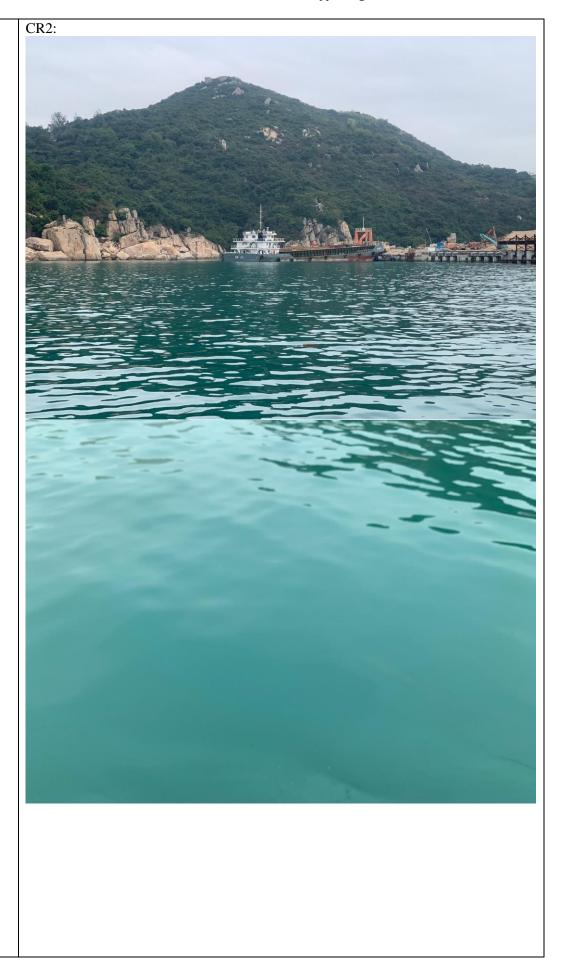


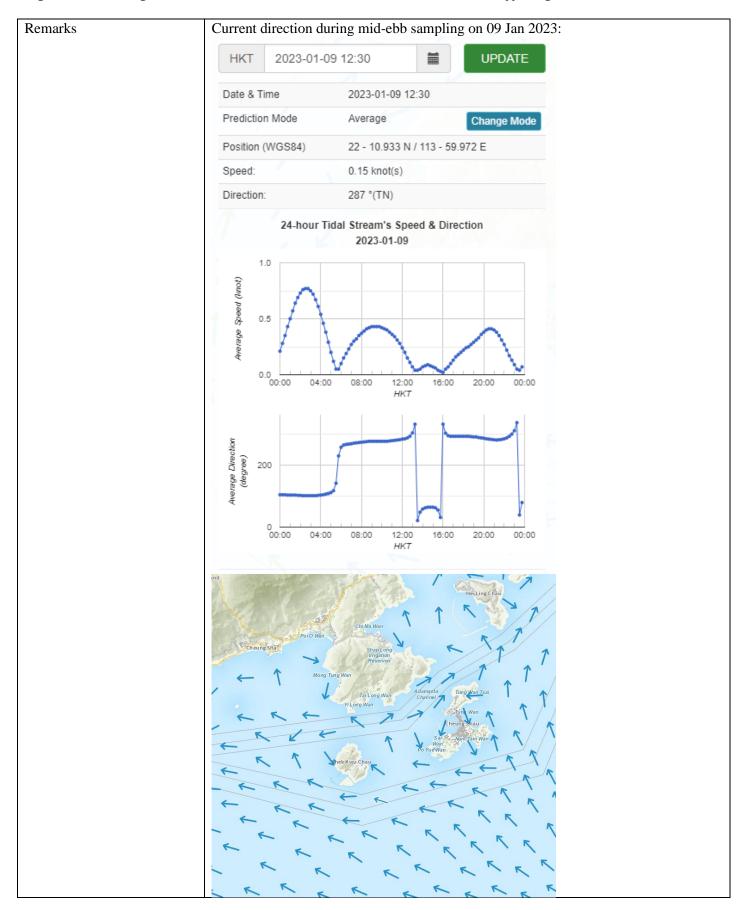
	Legend			
	Speed (knot) Speed (knot)			
	0-0.5	\rightarrow	1.5-2.0	\rightarrow
	0.5-1.0	\rightarrow	2.0-2.5	\rightarrow
	1.0-1.5		2.5 and above	\rightarrow
	(Sourced from http://c	current.hy	dro.gov.hk/en/map.ht	ml)
Prepared by	Jack Chow			
Date	17 Jan 2023			

Project	Integrated Waste Management Facilities, Phase 1			
Date	09 Jan 2023 (Lab result recei	ved on 17 January 20	023)	
Time	12:29 – 14:44 (Mid-Ebb)			
	Mid-E	Ebb		
Monitoring Location	# B1	PROPOSED OUTFALL + 4 PROPOSED 132KV SUBMARBINE CABLES PROPOSED RECLAIMED AREA FOR THE IMMIF	F1A P1A N P1A N N P1A N N N P1A N N N N N N N N N N N N N	
Parameter	Suspended Solid (SS)			
Action & Limit Levels	Action Level	Limi	t Level	
Action & Limit Levels	$\geq 8.0 \text{ mg/L}$.0 mg/L	
Measurement Level	Impact Station(s) of	Control Stations	Impact Station(s) without	
Wiedsdreinent Eever	Exceedance	Control Stations	Exceedance	
	10.5 mg/L (M1) 9.0 mg/L (CR2)	4.5 mg/L (C1A) 5.8 mg/L (C2A)	6.0 mg/L (B1) 6.8 mg/L (B2) 6.5 mg/L (B3) 7.3 mg/L (B4) 5.8 mg/L (H1) 4.8 mg/L (F1A) 6.2 mg/L (CR1)	
Possible reason for Action or Limit Level Non-compliance	Breakwater A landside CH93 49, inspection works of stop materials from Zone 5 to flat driven pile, piling works blockwork seawall and exist works. Dominant sea current directio around Shek Kwu Chau. An exceedance of action leve	35 - CH945, installated pers at Seawall A Country top barge Hong Hong for pre-bored socking caisson extension was found to be first to be found at CR2, and at unrelated street.	e laying of 900kg underlayer rock at tion of Chinese pod at Caissons 47 - 2H20 - CH170, remove the surcharge g 3132, piling works, piling works for eted H-pile, pile cap construction, n, and Process Building construction rom Southeast to Northwest at waters and an exceedance of limit level was am direction (neither upstream nor	

The installation of caisson No.19 was completed on 18 Mar 2021, the reclamation area was enclosed.
According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site and the weather was overcast during the sampling event.
No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly site inspection on 10 January 2023.
After the investigation, the exceedances on 09 January 2023 during ebb tide at M1 and CR2 are deemed to be unrelated to the Project.

Monitoring photos of stations with exceedance M1:



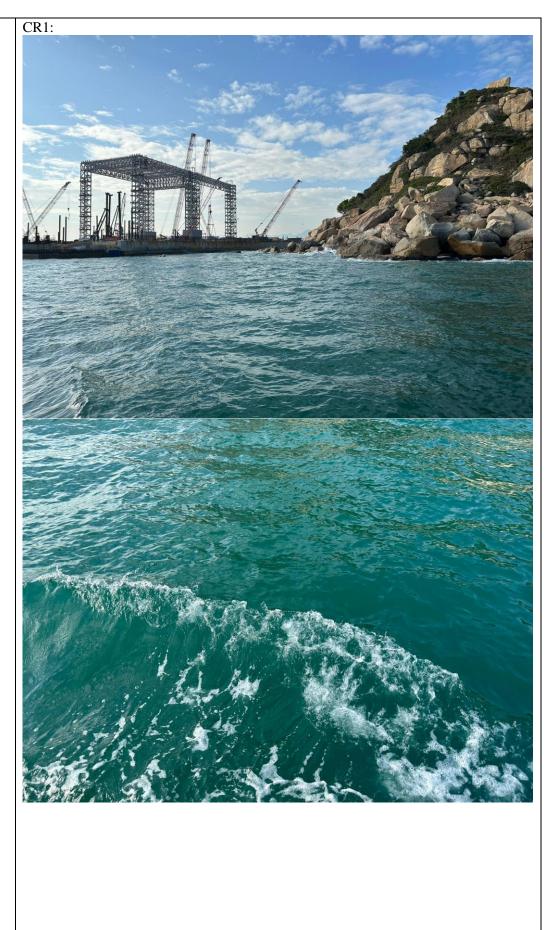


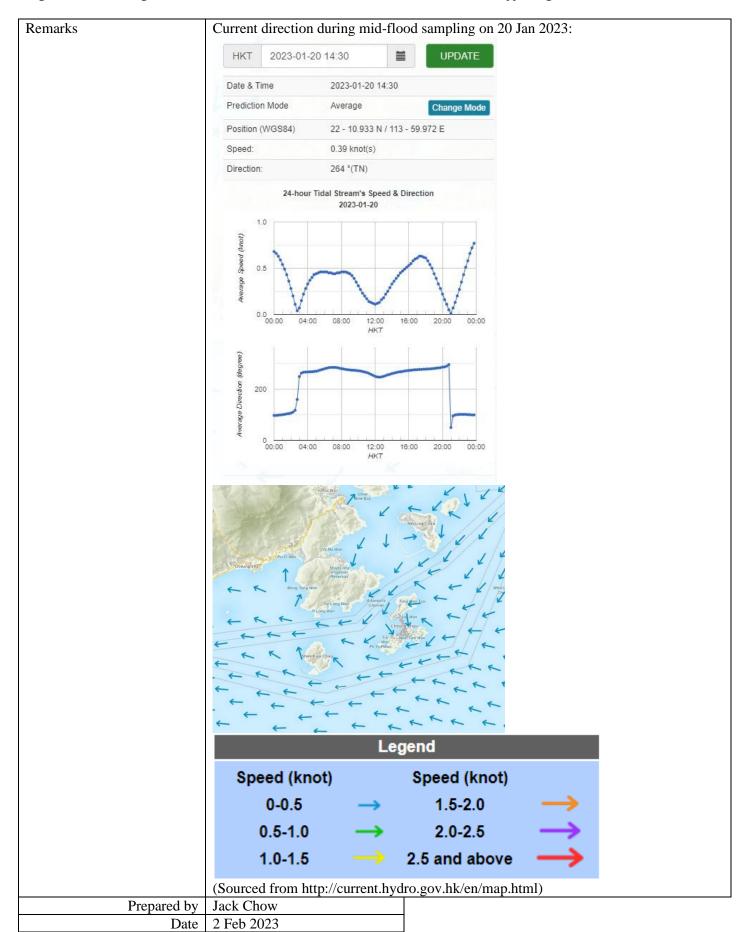
	Legend			
	Speed (knot) Speed (knot)			
	0-0.5	\rightarrow	1.5-2.0	\rightarrow
	0.5-1.0	\rightarrow	2.0-2.5	\rightarrow
	1.0-1.5		2.5 and above	\rightarrow
	(Sourced from http://c	current.hy	dro.gov.hk/en/map.ht	ml)
Prepared by	Jack Chow			
Date	2 Feb 2023			

Project	Integrated Waste Management Facilities, Phase 1			
Date	20 Jan 2023 (Lab result received on 30 January 2023)			
Time	14:17 – 17:47 (Mid-Flood)			
	Mid-F	lood		
Monitoring Location	+ B1 S1	PROPOSED OUTFALL + 4 PROPOSED 132KV SUBMARNIE CABLES B3 H1 SHEK KWU CHAU PROPOSED RECLAIMED AREA FOR THE WIMF	FIA N FIA N FIA N N FIA N N N N N N N N N N N N N	
Parameter	Suspended Solid (SS)			
Action & Limit Levels	Action Level	Limit Level		
	\geq 8.8 mg/L (120% of C2A)	≥ 10.0 mg/L		
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance	
	9.7 mg/L (CR1)	6.6 mg/L (C1A) 7.3 mg/L (C2A)	3.5 mg/L (B1) 3.5 mg/L (B2) 4.5 mg/L (B3) 2.5 mg/L (B4) 3.0 mg/L (H1) 3.7 mg/L (M1) 5.5 mg/L (F1A) 5.0 mg/L (CR2)	
Possible reason for Action or Limit Level Non-compliance				
	Dominant sea current direction was found to be from Southeast to Northwest a around Shek Kwu Chau.			
An exceedance of action level was found at CR1.				
	The installation of caisson No.19 was completed on 18 Mar 2021, the reclamation are was enclosed.			

According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site and the weather was fine during the sampling event.
No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly site inspection on 26 January 2023.
After the investigation, the exceedance on 20 January 2023 during flood tide at CR1 is deemed to be unrelated to the Project.

Monitoring photos of stations with exceedance

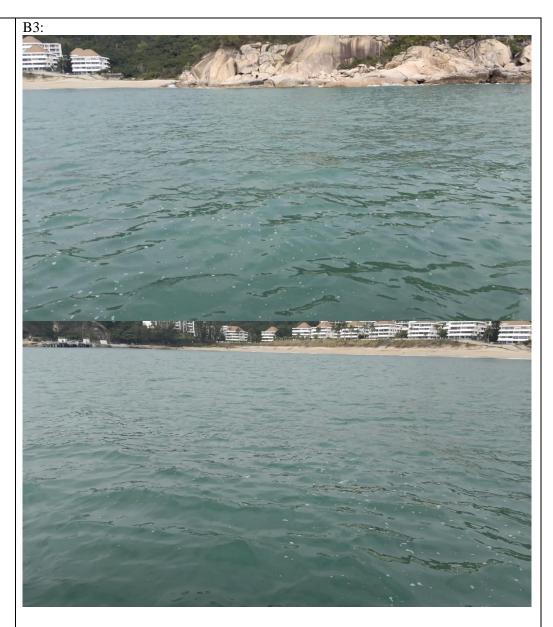


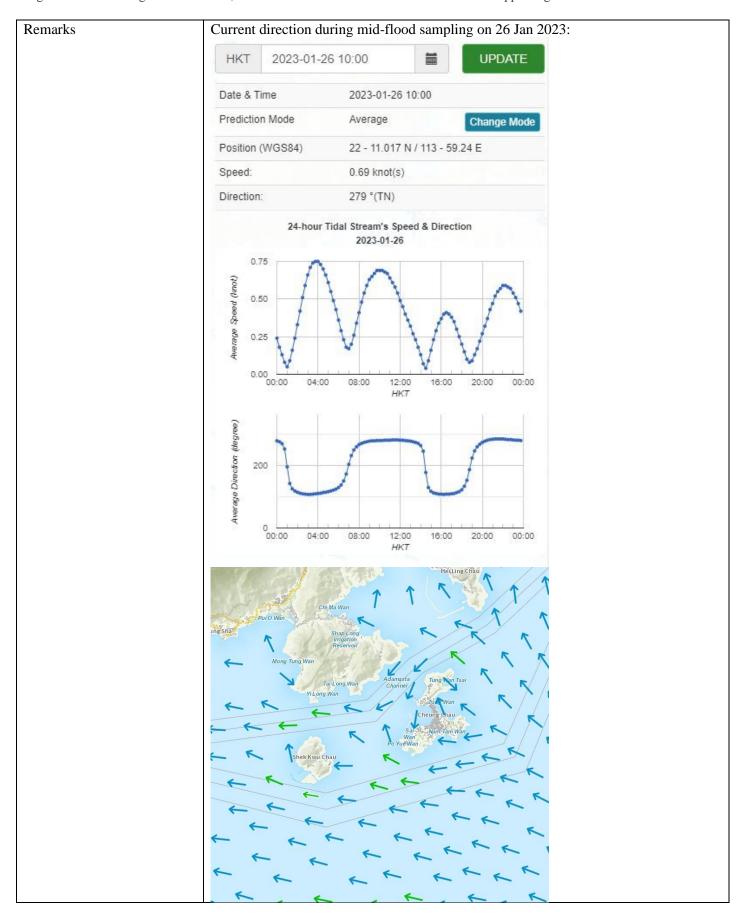


Project	Integrated Waste Managemen	Integrated Waste Management Facilities, Phase 1			
Date	26 Jan 2023 (Lab result received on 01 February 2023)				
Time	08:42 – 12:12 (Mid-Flood)				
	Mid-Flood				
Monitoring Location	B3 B10 S1	PROPOSED OUTFALL + PROPOSED HAVE OF THE INVINE	H1 SHEK KWU CHAU CR2 S3 CR1	F1A N F1A N N F1A N N N N N N N N N N N N N	
Parameter	Suspended Solid (SS)				
Action & Limit Levels	Action Level		Limit Level		
	≥ 8.0 mg/L		$\geq 10.0 \text{ mg/L}$		
Measurement Level Possible reason for Action or				7.3 mg/L (B1) 6.3 mg/L (B2) 4.8 mg/L (B4) 3.7 mg/L (H1) 3.7 mg/L (M1) 4.2 mg/L (F1A) 3.3 mg/L (CR1)	
Limit Level Non-compliance	Dominant sea current direction was found to be from Southeast to Northwest at waters around Shek Kwu Chau. An exceedance of action level was found at B3. B3 is located at unrelated stream direction (neither upstream nor downstream, far away) to the works location. Exceedance at B3 is deemed to be unrelated to the Project. According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site and the weather was overcast during the sampling event.				

No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly site inspection on 31 January 2023.		
After the investigation, the exceedance on 26 January 2023 during flood tide at B3 is deemed to be unrelated to the Project.		

Monitoring photos of stations with exceedance

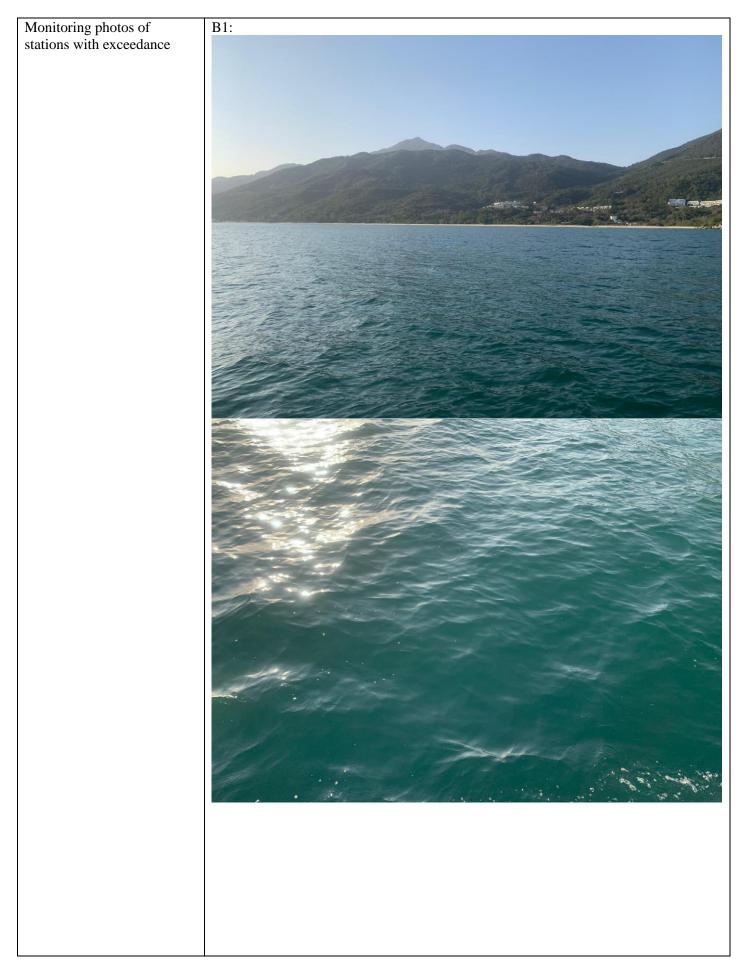


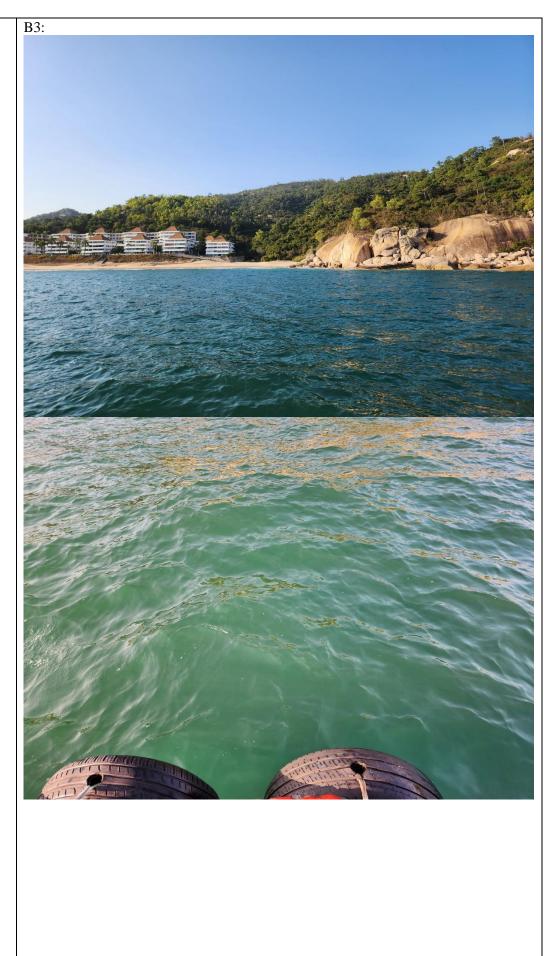


	Legend			
	Speed (knot)		Speed (knot)	
	0-0.5	\rightarrow	1.5-2.0	\rightarrow
	0.5-1.0	\rightarrow	2.0-2.5	\rightarrow
	1.0-1.5		2.5 and above	\rightarrow
	(Sourced from http://c	current.hy	dro.gov.hk/en/map.ht	ml)
Prepared by	Jack Chow			
Date	06 Feb 2023			

Project	Integrated Waste Management Facilities, Phase 1				
Date	28 Jan 2023 (Lab result received on 03 February 2023)				
Time	15:50 – 19:00 (Mid-Ebb)				
Mid-Ebb					
Monitoring Location	B1, B3, H1, M1 + B1 • C1A	PROPOSED OUTFALL + 4 PROPOSED 132KV SUBMARINE CABLES B3 H1 SHEK KWU CHAU PROPOSED RECLAIMED AREA FOR THE IMME	F1A N F1A N N F1A N N N N N N N N N N N N N		
Domonoston	Cropper ded Calid (CC)				
Parameter	Suspended Solid (SS)				
Action & Limit Levels	Action Level	Limit Level			
	$\geq 8.0 \text{ mg/L}$	$\geq 10.0 \text{ mg/L}$			
Measurement Level	Impact Station(s) of	Control Stations	Impact Station(s) without		
	Exceedance		Exceedance		
	8.3 mg/L (B1)	3.8 mg/L (C1A)	5.3 mg/L (B2)		
	8.8 mg/L (B3)	5.3 mg/L (C2A)	6.3 mg/L (B4)		
	9.0 mg/L (H1)		4.1 mg/L (F1A)		
	9.0 mg/L (M1)		7.8 mg/L (CR1)		
			7.3 mg/L (CR2)		
Possible reason for Action or Limit Level Non-compliance	Works scheduled on site on 28 Jan 2023 include laying of 900kg underlayer rock at Breakwater A seaside CH540 - CH670, inspection works at Breakwater B landside CH200, piling works, piling works for driven pile, piling works for pre-bored socketed H-pile, pile cap construction, blockwork seawall and existing caisson extension, and Process Building construction works. Dominant sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau. An exceedance of action level was found at B1, B3, H1 and M1. B1, B3, H1 and M1are located at unrelated stream direction (neither upstream nor downstream, far away) to the works location. Exceedances at B1, B3, H1 and M1 are deemed to be unrelated to the Project. The installation of caisson No.19 was completed on 18 Mar 2021, the reclamation area was enclosed.				

According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site and the weather was fine during the sampling event.
No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly site inspection on 31 January 2023.
After the investigation, the exceedances on 28 January 2023 during ebb tide at B1, B3, H1 and M1 are deemed to be unrelated to the Project.





Page 4 of 7

