Contract No. EP/SP/66/12 Integrated Waste Management Facilities, Phase 1		Keppel Seghers – Zhen Hua Joint Venture		
Appendix P	Impact Monitoring Schedul Month	e of Next Reporting		

Impact Monitoring Schedule for WIMF							
Feb-19							
n N	Mon	Tue	Wed	Thu	Fri	Sat	
					1	2	
		!			Impact		
		· '			Water Quality monitoring for B1, B2, B3, B4, H1, C1, C2, F1, CR1, CR2, M1,		
		· '			S1, S2 & S3		
		·			<u>Tidal Period:</u> Ebb Tide: 09:14 - 12:10		
		· '			Flood Tide: 19:14 - 12:10 Flood Tide: 12:10 - 19:11		
		· '			Monitoring Time:		
		· '			\$# Mid-ebb: 09:22 - 12:01		
		· '			Mid-flood: 13:55 - 17:25		
		· '			Mid 1000. 15.33 17.13		
		·					
		· '					
		· '					
4		5	6	7	8	9	
	Impact				Impact		
, y	Water Quality monitoring for B1, B2, B3, B4, H1, C1, C2, F1, CR1, CR2, M1,				Water Quality monitoring for B1, B2, B3, B4, H1, C1, C2, F1, CR1, CR2, M1,		
	S1, S2 & S3				S1, S2 & S3		
	Tidal Period:				Tidal Period:		
	Ebb Tide: 10:50 - 14:31				Ebb Tide: 12:02 - 17:06		
	Flood Tide: 14:31 - 20:52				Flood Tide: 05:39 - 12:02		
	Monitoring Time:				Monitoring Time:		
	Mid-ebb: 10:55 - 14:25				Mid-ebb: 12:49 - 16:19		
	& Mid-flood: 14:50 - 19:00				* Mid-flood: 08:00 - 10:35		
	Daytime Noise monitoring for M1, M2 & M3						
1	1	12	13	14	15	16	
	Impact	Impact	Impact	Impact	Impact	Impact	
- IV					Water Quality monitoring for B1, B2, B3, B4, H1, C1, C2, F1, M1, CR1 & CR2		
	Intensive DCM monitoring for UC1, UC2, I1, I2, I3, I4, I5, I6, I7, I8, I9 & I10	Tidal Period:	Intensive DCM monitoring for UC1, UC2, I1, I2, I3, I4, I5, I6, I7, I8, I9 & I10	Tidal Period:	Intensive DCM monitoring for UC1, UC2, I1, I2, I3, I4, I5, I6, I7, I8, I9 & I10	Tidal Period:	
	Tidal Period:	Ebb Tide: 14:49 - 20:57	Tidal Period:	Ebb Tide: 16:34 - 23:48	Tidal Period:	Ebb Tide: 08:13 - 10:56	
	Ebb Tide: 13:48 - 19:27 Flood Tide: 06:59 - 13:48	Flood Tide: 07:26 - 14:49	Ebb Tide: 15:45 - 22:24 Flood Tide: 07:55 - 15:45	Flood Tide: 08:31 - 16:34  Monitoring Time:	Ebb Tide: 06:41 - 09:26 Flood Tide: 09:25 - 17:23	Flood Tide: 10:56 - 18:16 Monitoring Time:	
	Monitoring Time:	Monitoring Time: & Mid-ebb: 15:07 - 19:00	Monitoring Time:	& Mid-ebb: 16:55 - 19:00	Monitoring Time:	\$ Mid-ebb: 08:21 - 10:47	
	Mid-ebb: 14:52 - 18:22	Mid-flood: 09:22 - 12:52	& Mid-ebb: 16:04 - 19:00	Mid-flood: 10:55 - 19:00 Mid-flood: 10:47 - 14:17	\$# Mid-ebb: 08:00 - 09:17	Mid-flood: 12:51 - 16:21	
	Mid-flood: 08:38 - 12:08	Ecology monitoring for Marine Mammals by Vessel-based Line-Transect	Mid-flood: 10:05 - 13:35	Wild-flood: 10.47 - 14.17	Mid-flood: 11:39 - 15:09	Wild-1000. 12.31 - 10.21	
	Daytime Noise monitoring for M1, M2 & M3	Survey	IIII 11000. 10:03 13:33		Wild 1000. 22:33 23:03		
1	.8	19	20	21	22	23	
Impact	Impact	Impact	Impact	Impact	Impact	Impact	
					Water Quality monitoring for B1, B2, B3, B4, H1, C1, C2, F1, M1, CR1 & CR2		
	Intensive DCM monitoring for UC1, UC2, I1, I2, I3, I4, I5, I6, I7, I8, I9 & I10	Tidal Period:	Intensive DCM monitoring for UC1, UC2, I1, I2, I3, I4, I5, I6, I7, I8, I9 & I10	Tidal Period:	Intensive DCM monitoring for UC1, UC2, I1, I2, I3, I4, I5, I6, I7, I8, I9 & I10	Tidal Period:	
Ebb Tide: 09:25 - 12:23	Tidal Period:	Ebb Tide: 10:21 - 14:35	Tidal Period:	Ebb Tide: 11:24 -16:15	Tidal Period:	Ebb Tide: 12:22 - 17:51	
Flood Tide: 12:23 - 19:15	Ebb Tide: 09:45 - 13:36	Flood Tide: 14:35 - 21:09	Ebb Tide: 10:54 - 15:27	Flood Tide: 04:46 - 11:24	Ebb Tide: 11:52 - 17:02	Flood Tide: 05:58 - 12:22	
Monitoring Time:	Flood Tide: 13:36 - 20:14	Monitoring Time:	Flood Tode: 15:27 - 22:02	Monitoring Time:	Flood Tide: 05:22 - 11:52	Monitoring Time:	
Mid-ebb: 09:09 - 12:39	Monitoring Time:	Mid-ebb: 10:43 - 14:13	Monitoring Time:	& Mid-ebb: 12:04 - 15:34	Monitoring Time:	Mid-ebb: 13:21 - 16:51	
Mid-flood: 14:04 - 17:34	Mid-ebb: 09:55 - 13:25	& Mid-flood: 14:54 -19:00	Mid-ebb: 11:25 - 14:55	* Mid-flood: 08:00 - 09:50	Mid-ebb: 12:42 - 16:12	* Mid-flood: 08:00 - 10:55	
	Mid-flood: 15:10 - 18:40	Ecology monitoring for Land-based Theodolite Tracking	& Mid-flood: 15:46 - 19:00	Ecology monitoring for Land-based Theodolite Tracking	* Mid-flood: 08:00 - 10:22		
	Daytime Noise monitoring for M1, M2 & M3		Ecology monitoring for Land-based Theodolite Tracking		Ecology monitoring for WBSE		
	Ecology monitoring for Land-based Theodolite Tracking				Ecology monitoring for Land-based Theodolite Tracking		
2:	5	26		28			
I Impact 22	Impact  Mater Quality population for P1 P3 P3 P4 M1 C5 C3 E1 M1 CB1 9 CB3	26 Impact Impact 17 19 10 20 10 15 16 17 19 10 20 10 10 10 10 10 10 10 10 10 10 10 10 10	Impact	Impact			
ntensive DCM monitoring for UC1, UC2, I1, I2, I3, I4, I5, I6, I7, I8, I9 & I10 W	Water Quality monitoring for B1, B2, B3, B4, H1, C1, C2, F1, M1, CR1 & CR2	@ Intensive DCM monitoring for UC1, UC2, I1, I2, I3, I4, I5, I6, I7, I8, I9 &	Impact Water Quality monitoring for B1, B2, B3, B4, H1, C1, C2, F1, M1, CR1 & CR2	Impact  @ Intensive DCM monitoring for UC1, UC2, I1, I2, I3, I4, I5, I6, I7, I8, I9 &			
ntensive DCM monitoring for UC1, UC2, I1, I2, I3, I4, I5, I6, I7, I8, I9 & I10  Tidal Period:	Water Quality monitoring for B1, B2, B3, B4, H1, C1, C2, F1, M1, CR1 & CR2 Tidal Period:	@ Intensive DCM monitoring for UC1, UC2, I1, I2, I3, I4, I5, I6, I7, I8, I9 & I10	Impact Water Quality monitoring for B1, B2, B3, B4, H1, C1, C2, F1, M1, CR1 & CR2 Tidal Period:	Impact  @ Intensive DCM monitoring for UC1, UC2, I1, I2, I3, I4, I5, I6, I7, I8, I9 & I10			
ntensive DCM monitoring for UC1, UC2, I1, I2, I3, I4, I5, I6, I7, I8, I9 & I10 <u>Tidal Period:</u> Ebb Tide: 12:54 - 18:43	Water Quality monitoring for B1, B2, B3, B4, H1, C1, C2, F1, M1, CR1 & CR2 <u>Tidal Period:</u> Ebb Tide: 13:32 - 19:50	Intensive DCM monitoring for UC1, UC2, I1, I2, I3, I4, I5, I6, I7, I8, I9 & I10 <u>Tidal Period:</u>	Impact Water Quality monitoring for BJ, B2, B3, B4, H1, C1, C2, F1, M1, CR1 & CR2 <u>Idal Period:</u> Ebb Tide: 15:35 - 23:53	Impact  @ Intensive DCM monitoring for UC1, UC2, I1, I2, I3, I4, I5, I6, I7, I8, I9 & I10  IIdal Period:			
ntensive DCM monitoring for UC1, UC2, I1, I2, I3, I4, I5, I6, I7, I8, I9 & I10 M <u>Tidal Period:</u> Ebb Tide: 12:54 - 18:43 Flood Tide: 66:31 - 12:54	Water Quality monitoring for B1, B2, B3, B4, H1, C1, C2, F1, M1, CR1 & CR2	Intensive DCM monitoring for UC1, UC2, 11, 12, 13, 14, 15, 16, 17, 18, 19 & 110 110 <u>Tidal Period:</u> Ebb Tide: 14:21 - 21:36	Impact Water Quality monitoring for B1, B2, B3, B4, H1, C1, C2, F1, M1, CR1 & CR2	impact  Pintensive DCM monitoring for UC1, UC2, I1, I2, I3, I4, I5, I6, I7, I8, I9 & I10  Intelligent			
ntensive DCM monitoring for UC1, UC2, I1, I2, I3, I4, I5, I6, I7, I8, I9 & I10 W Tidal Period: Ebb Tide: 12:54 - 18:43 Flood Tide: 06:31 - 12:54 Monitoring Time:	Water Quality monitoring for 81, 82, 83, 84, H1, C1, C2, F1, M1, CR1 & CR2 Tidal Period: Ebb Tide: 13-32 - 19-50 Flood Tide: 07:04 - 13-32 Monitoring Time:	⊕ Intensive DCM monitoring for UC1, UC2, I1, I2, I3, I4, I5, I6, I7, I8, I9 & I10     ☐ Intensive DCM monitoring for UC1, UC2, I1, I2, I3, I4, I5, I6, I7, I8, I9 & I10     ☐ Intensive DCM I	Impact Water Quality monitoring for 81, 82, 83, 84, H1, C1, C2, F1, M1, CR1 & CR2 Tidla Period: Ebb Tide: 15:35 - 23:53 Flood Tode: 08:06 - 15:35 Monitoring Time;	Impact  Pintensive DCM monitoring for UC1, UC2, U1, I2, I3, I4, I5, I6, I7, I8, I9 & I0			
ntensive DCM monitoring for UC1, UC2, I1, I2, I3, I4, I5, I6, I7, I8, I9 & I10 M <u>Tidal Period:</u> Ebb Tide: 12:54 - 18:43 Flood Tide: 66:31 - 12:54	Water Quality monitoring for B1, B2, B3, B4, H1, C1, C2, F1, M1, CR1 & CR2	Intensive DCM monitoring for UC1, UC2, 11, 12, 13, 14, 15, 16, 17, 18, 19 & 110 110 <u>Tidal Period:</u> Ebb Tide: 14:21 - 21:36	Impact Water Quality monitoring for B1, B2, B3, B4, H1, C1, C2, F1, M1, CR1 & CR2	impact  Pintensive DCM monitoring for UC1, UC2, I1, I2, I3, I4, I5, I6, I7, I8, I9 & I10  Intelligent			
ntensive DCM monitoring for UC1, UC2, I1, I2, I3, I4, I5, I6, I7, I8, I9 & I10 W  Tital Period: Eb Tide: 12:54 - I8:43 Flood Tide: 06:31 - 12:54  Monitoring Time: Mid-ebb: 14:03 - 17:33	Water Quality monitoring for 51, 82, 83, 84, HL, C1, C2, F1, M1, CR1 & CR2	⊕ Intensive DCM monitoring for UC1, UC2, 11, 2, 13, 14, 15, 16, 17, 18, 19 & 110     ☐ IIdal Period:     Ēbh Tiet = 1421 - 2136     Flood Tide: 07:35 - 14:21     Monitoring Time.	impact Water Quality monitoring for Bi, 82, 83, 84, H1, C1, C2, F1, M1, CR1 & CR2 Hold Period; Eb Tide: 15:35 - 23:53 Flood Tode: 8066 - 15:35 Monitoring Time: & Mid-ebb: 15:59 - 19:00	impact (€) Intensive DCM monitoring for UC1, UC2, I1, I2, I3, I4, I5, I6, I7, I8, I9 & III			
ntensive DCM monitoring for UC1, UC2, I1, I2, I3, I4, I5, I6, I7, I8, I9 & I10 W  Tital Period: Eb Tide: 12:54 - I8:43 Flood Tide: 06:31 - 12:54  Monitoring Time: Mid-ebb: 14:03 - 17:33	Water Quality monitoring for B1, B2, B3, B4, H1, C1, C2, F1, M1, CR1 & CR2  India Period; Ebb Tide: 13-32 - 19-30 Flood Tide: 07:04 - 13-32  Monitoring Time; Mid-ebb: 14-56 - 18:26 Mid-flood: 08:33 - 12:03		impact Water Quality monitoring for \$1, 92, 83, 84, HL, CL; C2, F1, M1, CR1 & CR2 Total Feriod: Eb Tries 1:535 - 12:53 Flood Total: 08:06 - 15:55 Monitoring Times & Mid-4bod: 10:59 - 19:00 Mid-4bod: 10:50 - 3:335	Impact  Impact 10 10 11 14   15   16, 17, 18, 19 & 10 10 10 10 10 10 10 10 10 10 10 10 10 1			
ntensive DCM monitoring for UC1, UC2, I1, I2, I3, I4, I5, I6, I7, I8, I9 & I10 W  Tital Period: Eb Tide: 12:54 - I8:43 Flood Tide: 06:31 - 12:54  Monitoring Time: Mid-ebb: 14:03 - 17:33	Water Quality monitoring for 81, 82, 83, 84, H1, C1, QF, F, M1, CR1 & CR2 TIGAL Period: Ebb Tide: 1332-1950 Flood Tide: 0704-1332 Monitoring Time: Mid-ebb: 1456-1826 Mid-flood: 0833-12203 Daytime Note monitoring fruit, M. & M. & M.3	Ø Intensive DCM monitoring for UCI, UCJ, 11, 12, 13, 14, 15, 16, 17, 18, 19 & 11 dal Persod;         Ebb Tids: 1242 - 2136 Flood Tids: 0735 - 1421 Monitoring Time:         & Mid-Robb: 1613 - 1900 Mid-Hoot: 0733 - 13-23	impact Water Quality monitoring for \$1, 92, 83, 84, HL, CL; C2, F1, M1, CR1 & CR2 Total Feriod: Eb Tries 1:535 - 12:53 Flood Total: 08:06 - 15:55 Monitoring Times & Mid-4bod: 10:59 - 19:00 Mid-4bod: 10:50 - 3:335	impact  impac			
ntensive DCM monitoring for UC1, UC2, I1, I2, I3, I4, I5, I6, I7, I8, I9 & I10 W  Tital Period: Eb Tide: 12:54 - I8:43 Flood Tide: 06:31 - 12:54  Monitoring Time: Mid-ebb: 14:03 - 17:33	Water Quality monitoring for 81, 82, 83, 84, H1, C1, QF, F, M1, CR1 & CR2 TIGAL Period: Ebb Tide: 1332-1950 Flood Tide: 0704-1332 Monitoring Time: Mid-ebb: 1456-1826 Mid-flood: 0833-12203 Daytime Note monitoring fruit, M. & M. & M.3	Intensive DCM monitoring for UCI, UCI, 11, I2, 13, I4, I5, I6, I7, I8, I9 & I10	impact Water Quality monitoring for \$1, 92, 83, 84, HL, CL; C2, F1, M1, CR1 & CR2 Total Feriod: Eb Tries 1:535 - 12:53 Flood Total: 08:06 - 15:55 Monitoring Times & Mid-4bod: 10:59 - 19:00 Mid-4bod: 10:50 - 3:335	Impact  Impact 10 10 11 14   15   16, 17, 18, 19 & 10 10 10 10 10 10 10 10 10 10 10 10 10 1			
ntensive DCM monitoring for UC1, UC2, I1, I2, I3, I4, I5, I6, I7, I8, I9 & I10 W  Tital Period: Eb Tide: 12:54 - I8:43 Flood Tide: 06:31 - 12:54  Monitoring Time: Mid-ebb: 14:03 - 17:33	Water Quality monitoring for 81, 82, 83, 84, H1, C1, QF, F, M1, CR1 & CR2 TIGAL Period: Ebb Tide: 1332-1950 Flood Tide: 0704-1332 Monitoring Time: Mid-ebb: 1456-1826 Mid-flood: 0833-12203 Daytime Note monitoring fruit, M. & M. & M.3	Intensive DCM monitoring for UCI, UCI, 11, I2, 13, I4, I5, I6, I7, I8, I9 & I10	impact Water Quality monitoring for \$1, 92, 83, 84, HL, CL; C2, F1, M1, CR1 & CR2 Total Feriod: Eb Tries 1:535 - 12:53 Flood Total: 08:06 - 15:55 Monitoring Times & Mid-4bod: 10:59 - 19:00 Mid-4bod: 10:50 - 3:335	Impact  Impact 10 10 11 14   15   16, 17, 18, 19 & 10 10 10 10 10 10 10 10 10 10 10 10 10 1			

- Remark:

  1. Daytime Noise Monitoring (07:00-1900), Evening Time Noise Monitoring (1900-2300), Night Time Noise Monitoring (2300-0700)

  2. Water Quality Monitoring for \$1,52 and \$3 will only conduct during DCM works, refer to Detailed DCM Plan

  3. 5, 6.8.7 Fibruary 2019 are Chinese Lunar New Year Holldays.

- Note:
   as per Marine Department Notice No 107 of 2018, all vessels employed for the works should stay in the works area outside the hours of works (0700 to 2300). Due to safty concern, Water Quality Monitoring would start at 0800.
   Priorisider routing: Mid-Eibc. C1-943-962-9C31-941-98emaning stations and Mid-Flood. C1-9613-93-9C32-9H1-98emaning stations
   Science predicted ties shorter than 3 in Source, method of 95% tidal period as monitoring time a gapprached.
   Due to safety concern for sampling event in night-time, method of 95% tidal period as monitoring interes approached and end at 1500.
   If no exceedings is receded within the first tow weeks (121-924), then the monitoring frequency will be educated to every two dysts.