

Appendix D Water Quality Monitoring Data

Contract No. EP/SP/66/12
 Integrated Waste Management Facilities, Phase 1
 Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B1	20191202	Sunny	Moderate	Mid-Flood	B	4.4	11:38	7.31	8.32	29.04	22.43	3.15	9	114	0.301	W
B1	20191202	Sunny	Moderate	Mid-Flood	B	4.4	11:38	7.25	8.29	29	22.45	3.37	8	113	0.187	W
B1	20191202	Sunny	Moderate	Mid-Flood	S	1	11:39	7.93	8.08	29.62	22.7	2.6	7	113	0.273	W
B1	20191202	Sunny	Moderate	Mid-Flood	S	1	11:39	7.45	8.27	29.64	22.53	2.47	8	113	0.175	W
B2	20191202	Sunny	Moderate	Mid-Flood	B	3.4	11:58	7.86	8.22	29.22	22.29	2.91	10	114	0.162	W
B2	20191202	Sunny	Moderate	Mid-Flood	B	3.4	11:58	8.08	8.15	29.24	22.48	3.37	9	112	0.281	W
B2	20191202	Sunny	Moderate	Mid-Flood	S	1	11:59	7.25	8	29.07	22.53	2.53	8	112	0.147	W
B2	20191202	Sunny	Moderate	Mid-Flood	S	1	11:59	7.77	8.18	29.43	22.46	2.47	7	113	0.274	W
B3	20191202	Sunny	Moderate	Mid-Flood	B	4	10:56	8.2	8.05	29.51	22.39	3.36	6	114	0.143	W
B3	20191202	Sunny	Moderate	Mid-Flood	B	4	10:56	7.35	8.21	29.13	22.66	3.11	7	113	0.203	W
B3	20191202	Sunny	Moderate	Mid-Flood	S	1	10:57	7.98	8.03	29.42	22.63	2.6	5	112	0.279	W
B3	20191202	Sunny	Moderate	Mid-Flood	S	1	10:57	7.76	8.27	29.76	22.47	2.48	6	113	0.314	W
B4	20191202	Sunny	Moderate	Mid-Flood	B	3.9	11:08	7.89	8.03	29.72	22.7	3.57	7	112	0.223	W
B4	20191202	Sunny	Moderate	Mid-Flood	B	3.9	11:08	8.06	8.19	29.05	22.47	3.16	8	112	0.178	W
B4	20191202	Sunny	Moderate	Mid-Flood	S	1	11:09	7.16	8	29.66	22.62	2.51	7	113	0.294	W
B4	20191202	Sunny	Moderate	Mid-Flood	S	1	11:09	8.13	8.15	29.59	22.54	2.68	8	113	0.216	W
C1A	20191202	Sunny	Moderate	Mid-Flood	B	10.5	11:07	7.77	7.96	29.81	22.61	3.14	13	113	0.146	W
C1A	20191202	Sunny	Moderate	Mid-Flood	B	10.5	11:07	8.15	8.04	29.04	22.28	3.1	12	112	0.154	W
C1A	20191202	Sunny	Moderate	Mid-Flood	M	5.75	11:08	7.82	8.07	29.02	22.37	2.87	14	112	0.211	W
C1A	20191202	Sunny	Moderate	Mid-Flood	M	5.75	11:08	7.63	8.03	29.21	22.38	3.08	14	113	0.286	W
C1A	20191202	Sunny	Moderate	Mid-Flood	S	1	11:09	7.99	8.01	29.63	22.45	2.74	13	113	0.256	W
C1A	20191202	Sunny	Moderate	Mid-Flood	S	1	11:09	7.55	8.05	29.93	22.76	2.85	14	113	0.169	W
C2A	20191202	Sunny	Moderate	Mid-Flood	B	10.8	9:45	7.7	8.04	29.85	22.21	2.94	13	113	0.178	W
C2A	20191202	Sunny	Moderate	Mid-Flood	B	10.8	9:45	8.04	8.01	29.48	22.29	3.04	13	113	0.312	NW
C2A	20191202	Sunny	Moderate	Mid-Flood	M	5.9	9:46	7.37	8.16	29.04	22.17	2.59	12	113	0.154	W
C2A	20191202	Sunny	Moderate	Mid-Flood	M	5.9	9:46	7.28	8.1	29.69	22.56	2.83	13	113	0.253	W
C2A	20191202	Sunny	Moderate	Mid-Flood	S	1	9:47	8.06	8.08	29.23	22.48	2.36	14	112	0.179	W
C2A	20191202	Sunny	Moderate	Mid-Flood	S	1	9:47	7.62	8.05	29.01	22	2.65	13	113	0.298	W

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CR1	20191202	Sunny	Moderate	Mid-Flood	B	11.1	10:06	7.33	8.29	29.92	22.51	3.31	12	113	0.221	W
CR1	20191202	Sunny	Moderate	Mid-Flood	B	11.1	10:06	8.2	7.96	29.47	22.39	3.09	13	113	0.154	W
CR1	20191202	Sunny	Moderate	Mid-Flood	M	6.05	10:07	7.48	8.12	29.08	22.48	2.79	15	113	0.308	W
CR1	20191202	Sunny	Moderate	Mid-Flood	M	6.05	10:07	7.29	8.13	29.69	22.09	2.63	15	113	0.303	W
CR1	20191202	Sunny	Moderate	Mid-Flood	S	1	10:08	7.78	8.13	29.47	22.01	2.74	14	113	0.308	W
CR1	20191202	Sunny	Moderate	Mid-Flood	S	1	10:08	7.57	8.25	29.86	22.08	2.64	16	113	0.236	W
CR2	20191202	Sunny	Moderate	Mid-Flood	B	9.9	12:43	7.52	8.01	29.12	22.67	3.46	18	113	0.321	W
CR2	20191202	Sunny	Moderate	Mid-Flood	B	9.9	12:43	7.28	7.95	29.81	22.34	3.08	16	112	0.242	W
CR2	20191202	Sunny	Moderate	Mid-Flood	M	5.45	12:44	8.18	8.32	29.23	22.76	2.68	17	113	0.294	W
CR2	20191202	Sunny	Moderate	Mid-Flood	M	5.45	12:44	8.04	8.05	29.43	22.35	3.01	17	113	0.181	W
CR2	20191202	Sunny	Moderate	Mid-Flood	S	1	12:45	7.81	8.3	29.91	22.28	2.41	12	113	0.252	W
CR2	20191202	Sunny	Moderate	Mid-Flood	S	1	12:45	7.45	8.11	29.77	22.74	2.45	12	113	0.304	NW
F1A	20191202	Sunny	Moderate	Mid-Flood	B	7.4	11:43	7.42	8.08	29.04	22.64	3.37	13	114	0.239	W
F1A	20191202	Sunny	Moderate	Mid-Flood	B	7.4	11:43	8.19	8.03	29.54	22.71	3.23	12	112	0.262	W
F1A	20191202	Sunny	Moderate	Mid-Flood	M	4.2	11:44	8.03	8.33	29.02	22.58	3.06	13	114	0.283	W
F1A	20191202	Sunny	Moderate	Mid-Flood	M	4.2	11:44	7.89	8.05	29.76	22.55	2.94	14	114	0.264	W
F1A	20191202	Sunny	Moderate	Mid-Flood	S	1	11:45	7.87	8.05	29.47	22.34	2.63	14	113	0.207	W
F1A	20191202	Sunny	Moderate	Mid-Flood	S	1	11:45	7.7	8.2	29.93	22.57	2.47	12	112	0.212	W
H1	20191202	Sunny	Moderate	Mid-Flood	B	6.7	10:34	7.26	8.11	29.9	22.56	3.05	6	112	0.204	W
H1	20191202	Sunny	Moderate	Mid-Flood	B	6.7	10:34	8.06	8.05	29.26	22.38	3.16	7	113	0.179	W
H1	20191202	Sunny	Moderate	Mid-Flood	M	3.85	10:35	8.03	8.23	29.22	22.64	2.67	8	113	0.239	W
H1	20191202	Sunny	Moderate	Mid-Flood	M	3.85	10:35	7.7	8.02	29.19	22.46	3	8	113	0.308	W
H1	20191202	Sunny	Moderate	Mid-Flood	S	1	10:36	7.83	8.16	29.39	22.57	2.76	8	112	0.217	W
H1	20191202	Sunny	Moderate	Mid-Flood	S	1	10:36	7.33	8.28	29.48	22.56	2.59	7	112	0.286	W
M1	20191202	Sunny	Moderate	Mid-Flood	B	7.4	12:18	7.45	8.29	29.34	22.47	2.96	17	113	0.157	W
M1	20191202	Sunny	Moderate	Mid-Flood	B	7.4	12:18	7.58	8.18	29.48	22.54	2.97	16	113	0.238	W
M1	20191202	Sunny	Moderate	Mid-Flood	M	4.2	12:19	7.16	8.05	29.15	22.72	2.96	18	112	0.217	W
M1	20191202	Sunny	Moderate	Mid-Flood	M	4.2	12:19	7.57	7.99	29.67	22.31	3.1	17	112	0.292	W

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M1	20191202	Sunny	Moderate	Mid-Flood	S	1	12:20	7.59	8.32	29.01	22.49	2.69	17	112	0.279	W
M1	20191202	Sunny	Moderate	Mid-Flood	S	1	12:20	8.2	8.23	29.02	22.73	2.87	18	113	0.143	W
S1	20191202	Sunny	Moderate	Mid-Flood	B	4.8	11:47	7.24	8.31	29.66	22.42	2.94	13	113	0.316	NW
S1	20191202	Sunny	Moderate	Mid-Flood	B	4.8	11:47	7.31	8.15	29.76	22.48	3.17	12	113	0.19	NW
S1	20191202	Sunny	Moderate	Mid-Flood	S	1	11:48	8.13	8.03	29.93	22.65	2.93	16	113	0.164	NW
S1	20191202	Sunny	Moderate	Mid-Flood	S	1	11:48	7.48	8.28	29.12	22.72	2.41	14	112	0.154	W
S2A	20191202	Sunny	Moderate	Mid-Flood	B	8.1	12:20	7.53	8.08	29.55	22.35	3.29	13	112	0.204	W
S2A	20191202	Sunny	Moderate	Mid-Flood	B	8.1	12:20	7.21	8.03	29.91	22.6	3.35	13	113	0.303	W
S2A	20191202	Sunny	Moderate	Mid-Flood	M	4.55	12:21	7.25	8.08	29.28	22.33	3.01	13	112	0.222	W
S2A	20191202	Sunny	Moderate	Mid-Flood	M	4.55	12:21	7.98	8.22	29.19	22.47	2.95	12	112	0.185	W
S2A	20191202	Sunny	Moderate	Mid-Flood	S	1	12:22	7.34	7.99	29.9	22.53	2.59	13	114	0.3	W
S2A	20191202	Sunny	Moderate	Mid-Flood	S	1	12:22	7.79	8.02	29.02	22.34	2.74	13	114	0.157	W
S3	20191202	Sunny	Moderate	Mid-Flood	B	8.4	12:54	7.57	8.09	29.56	22.7	3.04	12	112	0.172	W
S3	20191202	Sunny	Moderate	Mid-Flood	B	8.4	12:54	7.4	8.03	29.25	22.62	3.17	13	114	0.215	W
S3	20191202	Sunny	Moderate	Mid-Flood	M	4.7	12:55	7.66	8.04	29.52	22.67	2.62	12	112	0.308	W
S3	20191202	Sunny	Moderate	Mid-Flood	M	4.7	12:55	7.42	8.13	29.83	22.63	2.64	13	112	0.309	W
S3	20191202	Sunny	Moderate	Mid-Flood	S	1	12:56	7.74	8.14	29.93	22.55	2.52	14	112	0.167	W
S3	20191202	Sunny	Moderate	Mid-Flood	S	1	12:56	7.42	8.25	29.49	22.48	2.67	12	113	0.166	W
B1	20191202	Sunny	Moderate	Mid-Ebb	B	3.7	15:39	7.27	8.23	29.45	22.58	3.44	17	113	0.185	SE
B1	20191202	Sunny	Moderate	Mid-Ebb	B	3.7	15:39	7.47	8.21	29.39	22.05	3.21	17	113	0.162	SE
B1	20191202	Sunny	Moderate	Mid-Ebb	S	1	15:40	7.43	8.09	29.63	22.13	2.83	15	112	0.13	SE
B1	20191202	Sunny	Moderate	Mid-Ebb	S	1	15:40	7.67	8.12	29.38	22.37	2.52	16	113	0.273	SE
B2	20191202	Sunny	Moderate	Mid-Ebb	B	4.1	15:59	7.15	8	29.57	22.51	2.96	17	113	0.156	SE
B2	20191202	Sunny	Moderate	Mid-Ebb	B	4.1	15:59	7.17	8.09	29.53	22.45	3.34	19	113	0.133	E
B2	20191202	Sunny	Moderate	Mid-Ebb	S	1	16:00	7.32	8.13	29.69	22.09	2.85	18	113	0.278	E
B2	20191202	Sunny	Moderate	Mid-Ebb	S	1	16:00	7.45	8.11	29.59	22.37	2.74	17	113	0.26	SE
B3	20191202	Sunny	Moderate	Mid-Ebb	B	4	16:24	7.68	8.18	29.77	22.48	3.19	18	112	0.172	E
B3	20191202	Sunny	Moderate	Mid-Ebb	B	4	16:24	7.63	8.08	29.83	22.58	3.28	13	112	0.139	E

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Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B3	20191202	Sunny	Moderate	Mid-Ebb	S	1	16:25	7.82	8.17	29.7	22.34	2.89	18	112	0.131	E
B3	20191202	Sunny	Moderate	Mid-Ebb	S	1	16:25	7.73	8.2	29.45	22.42	2.77	17	113	0.201	E
B4	20191202	Sunny	Moderate	Mid-Ebb	B	3.7	16:35	7.31	7.99	29.84	22.37	3.26	10	113	0.154	E
B4	20191202	Sunny	Moderate	Mid-Ebb	B	3.7	16:35	7.62	8.22	29.49	22.03	3	9	112	0.273	SE
B4	20191202	Sunny	Moderate	Mid-Ebb	S	1	16:36	7.77	7.99	29.88	22.08	2.63	10	113	0.204	E
B4	20191202	Sunny	Moderate	Mid-Ebb	S	1	16:36	7.76	8.06	29.49	22.14	2.61	9	112	0.238	SE
C1A	20191202	Sunny	Moderate	Mid-Ebb	B	8.5	15:09	7.98	8.2	29.8	22.57	3.36	7	113	0.124	SE
C1A	20191202	Sunny	Moderate	Mid-Ebb	B	8.5	15:09	7.57	8.03	29.96	22.06	3.13	8	113	0.136	E
C1A	20191202	Sunny	Moderate	Mid-Ebb	M	4.75	15:10	7.32	7.99	29.51	22.41	2.69	8	113	0.149	SE
C1A	20191202	Sunny	Moderate	Mid-Ebb	M	4.75	15:10	7.65	7.97	29.65	22	2.8	9	113	0.178	SE
C1A	20191202	Sunny	Moderate	Mid-Ebb	S	1	15:11	7.12	7.99	29.71	22.02	2.65	9	113	0.169	SE
C1A	20191202	Sunny	Moderate	Mid-Ebb	S	1	15:11	7.38	8.15	29.72	22.34	2.46	10	112	0.137	SE
C2A	20191202	Sunny	Moderate	Mid-Ebb	B	10.9	15:14	7.86	8.19	29.66	22.49	3.03	11	112	0.273	SE
C2A	20191202	Sunny	Moderate	Mid-Ebb	B	10.9	15:14	7.27	8.21	29.6	22.38	3.22	12	113	0.124	SE
C2A	20191202	Sunny	Moderate	Mid-Ebb	M	5.95	15:15	7.71	8.17	29.68	22.25	2.53	10	114	0.264	E
C2A	20191202	Sunny	Moderate	Mid-Ebb	M	5.95	15:15	7.49	8.18	29.71	22.5	2.88	11	113	0.224	SE
C2A	20191202	Sunny	Moderate	Mid-Ebb	S	1	15:16	7.63	8.19	29.49	22.07	2.7	8	113	0.121	SE
C2A	20191202	Sunny	Moderate	Mid-Ebb	S	1	15:16	7.81	8.21	29.77	22.21	2.75	9	112	0.232	SE
F1A	20191202	Sunny	Moderate	Mid-Ebb	B	7.9	17:12	7.88	8.05	29.9	22.42	2.94	12	113	0.241	E
F1A	20191202	Sunny	Moderate	Mid-Ebb	B	7.9	17:12	7.16	8.06	29.62	22.02	3.16	11	112	0.215	SE
F1A	20191202	Sunny	Moderate	Mid-Ebb	M	4.45	17:13	7.52	8.05	29.56	22.09	2.59	12	113	0.248	E
F1A	20191202	Sunny	Moderate	Mid-Ebb	M	4.45	17:13	7.51	7.98	29.54	22.14	2.59	13	113	0.117	E
F1A	20191202	Sunny	Moderate	Mid-Ebb	S	1	17:14	7.89	8.04	29.86	22.21	2.81	14	112	0.132	SE
F1A	20191202	Sunny	Moderate	Mid-Ebb	S	1	17:14	7.63	8.15	29.35	22.14	2.85	13	112	0.132	SE
H1	20191202	Sunny	Moderate	Mid-Ebb	B	7.7	16:05	7.81	8.07	29.36	22.57	3.1	8	112	0.222	E
H1	20191202	Sunny	Moderate	Mid-Ebb	B	7.7	16:05	7.67	7.99	29.7	22.45	3.4	8	112	0.25	SE
H1	20191202	Sunny	Moderate	Mid-Ebb	M	4.35	16:06	7.16	8.2	29.44	22.39	2.64	10	113	0.224	SE
H1	20191202	Sunny	Moderate	Mid-Ebb	M	4.35	16:06	7.52	8.21	29.44	22.12	2.76	9	113	0.239	SE

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H1	20191202	Sunny	Moderate	Mid-Ebb	S	1	16:07	7.95	8.19	29.65	22.32	2.5	12	113	0.133	SE
H1	20191202	Sunny	Moderate	Mid-Ebb	S	1	16:07	7.81	7.96	29.71	22.16	2.74	11	113	0.201	E
M1	20191202	Sunny	Moderate	Mid-Ebb	B	8.1	17:46	7.23	8.21	29.93	22.01	3.34	11	113	0.162	SE
M1	20191202	Sunny	Moderate	Mid-Ebb	B	8.1	17:46	7.21	8.11	29.43	22.12	3.19	12	112	0.154	E
M1	20191202	Sunny	Moderate	Mid-Ebb	M	4.55	17:47	7.91	8.08	29.76	22.18	2.57	7	113	0.158	SE
M1	20191202	Sunny	Moderate	Mid-Ebb	M	4.55	17:47	7.87	8.09	29.85	22.41	2.59	8	112	0.191	E
M1	20191202	Sunny	Moderate	Mid-Ebb	S	1	17:48	7.66	7.99	29.34	22.46	2.78	7	113	0.252	SE
M1	20191202	Sunny	Moderate	Mid-Ebb	S	1	17:48	7.8	8.1	29.42	22.14	2.78	6	113	0.251	SE
CR1	20191202	Sunny	Moderate	Mid-Ebb	B	12.8	15:37	7.24	8.21	29.96	22.08	2.89	8	112	0.198	SE
CR1	20191202	Sunny	Moderate	Mid-Ebb	B	12.8	15:37	7.14	8.07	29.72	22.01	2.93	9	113	0.129	SE
CR1	20191202	Sunny	Moderate	Mid-Ebb	M	6.9	15:38	7.54	8.12	29.66	22.1	2.39	8	114	0.262	E
CR1	20191202	Sunny	Moderate	Mid-Ebb	M	6.9	15:38	7.28	8.21	29.32	22.58	2.89	9	113	0.116	SE
CR1	20191202	Sunny	Moderate	Mid-Ebb	S	1	15:39	7.83	8.07	29.37	22.12	2.66	9	112	0.254	SE
CR1	20191202	Sunny	Moderate	Mid-Ebb	S	1	15:39	7.49	8	29.89	22.34	2.48	10	113	0.264	E
CR2	20191202	Sunny	Moderate	Mid-Ebb	B	10.3	16:44	7.76	8.06	29.57	22.32	3.04	6	113	0.158	SE
CR2	20191202	Sunny	Moderate	Mid-Ebb	B	10.3	16:44	7.33	8.03	29.76	22.31	3.02	7	113	0.194	E
CR2	20191202	Sunny	Moderate	Mid-Ebb	M	5.65	16:45	7.41	7.99	29.68	22.24	2.66	8	113	0.188	SE
CR2	20191202	Sunny	Moderate	Mid-Ebb	M	5.65	16:45	7.47	8.14	29.63	22.3	2.5	8	113	0.235	SE
CR2	20191202	Sunny	Moderate	Mid-Ebb	S	1	16:46	7.58	8.06	29.45	22.39	2.65	8	112	0.139	E
CR2	20191202	Sunny	Moderate	Mid-Ebb	S	1	16:46	7.92	8.03	29.71	22.28	2.35	9	113	0.119	SE
S1	20191202	Sunny	Moderate	Mid-Ebb	B	3.9	15:49	7.18	8.13	29.88	22.18	2.96	12	113	0.239	SE
S1	20191202	Sunny	Moderate	Mid-Ebb	B	3.9	15:49	7.13	8.24	29.67	22.48	3.42	11	113	0.116	E
S1	20191202	Sunny	Moderate	Mid-Ebb	S	1	15:50	7.77	8.02	29.45	22.04	2.71	13	114	0.268	SE
S1	20191202	Sunny	Moderate	Mid-Ebb	S	1	15:50	7.33	8.21	29.8	22.55	2.42	12	113	0.186	SE
S2A	20191202	Sunny	Moderate	Mid-Ebb	B	8.2	16:21	7.46	8.04	29.91	22.35	2.97	13	114	0.234	SE
S2A	20191202	Sunny	Moderate	Mid-Ebb	B	8.2	16:21	7.96	8.16	29.51	22.48	3.2	13	113	0.208	SE
S2A	20191202	Sunny	Moderate	Mid-Ebb	M	4.6	16:22	7.31	8.19	29.39	22.4	2.7	11	113	0.142	SE
S2A	20191202	Sunny	Moderate	Mid-Ebb	M	4.6	16:22	7.95	8.15	29.64	22.37	2.81	12	113	0.275	SE

Contract No. EP/SP/66/12
 Integrated Waste Management Facilities, Phase 1
 Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
S2A	20191202	Sunny	Moderate	Mid-Ebb	S	1	16:23	7.26	8.18	29.68	22.05	2.79	12	113	0.137	SE
S2A	20191202	Sunny	Moderate	Mid-Ebb	S	1	16:23	7.75	8.05	29.56	22.51	2.31	10	112	0.139	E
S3	20191202	Sunny	Moderate	Mid-Ebb	B	9.3	16:55	7.45	8.06	29.6	22.37	3.21	8	113	0.161	SE
S3	20191202	Sunny	Moderate	Mid-Ebb	B	9.3	16:55	7.69	8.19	29.93	22.19	3.32	7	113	0.207	E
S3	20191202	Sunny	Moderate	Mid-Ebb	M	5.15	16:56	7.47	8.19	29.76	22.13	2.55	8	114	0.16	SE
S3	20191202	Sunny	Moderate	Mid-Ebb	M	5.15	16:56	7.38	8.05	29.87	22.52	2.44	8	113	0.234	E
S3	20191202	Sunny	Moderate	Mid-Ebb	S	1	16:57	7.2	7.97	29.74	22.41	2.44	11	113	0.128	E
S3	20191202	Sunny	Moderate	Mid-Ebb	S	1	16:57	7.29	8.18	29.4	22.34	2.61	10	114	0.133	SE
B1	20191204	Sunny	Moderate	Mid-Ebb	B	3.9	8:40	8.16	8.73	29.31	22.06	3.21	10	113	0.145	SE
B1	20191204	Sunny	Moderate	Mid-Ebb	B	3.9	8:40	8.05	8.3	29.63	21.96	3.29	10	113	0.225	SE
B1	20191204	Sunny	Moderate	Mid-Ebb	S	1	8:41	7.89	8.5	29.38	21.97	2.32	6	113	0.15	SE
B1	20191204	Sunny	Moderate	Mid-Ebb	S	1	8:41	8.23	8.53	29.44	22	2.55	11	113	0.193	E
B2	20191204	Sunny	Moderate	Mid-Ebb	B	4.2	8:59	7.47	8.45	29.68	22.2	3.38	4	113	0.275	SE
B2	20191204	Sunny	Moderate	Mid-Ebb	B	4.2	8:59	7.54	8.19	29.49	22.28	2.93	5	113	0.116	SE
B2	20191204	Sunny	Moderate	Mid-Ebb	S	1	9:00	8.14	8.65	29.58	22.15	2.67	8	113	0.127	SE
B2	20191204	Sunny	Moderate	Mid-Ebb	S	1	9:00	7.58	8.45	29.81	22	2.54	9	114	0.149	SE
B3	20191204	Sunny	Moderate	Mid-Ebb	B	4.2	9:37	7.59	8.23	29.86	22.37	3.11	26	114	0.24	SE
B3	20191204	Sunny	Moderate	Mid-Ebb	B	4.2	9:37	7.81	8.35	29.45	22.59	3.46	25	113	0.233	SE
B3	20191204	Sunny	Moderate	Mid-Ebb	S	1	9:38	7.97	8.62	29.75	22.32	2.54	6	112	0.274	SE
B3	20191204	Sunny	Moderate	Mid-Ebb	S	1	9:38	7.63	8.71	29.36	22.48	2.95	7	113	0.258	SE
B4	20191204	Sunny	Moderate	Mid-Ebb	B	3.2	9:47	7.56	8.72	29.6	22.59	3.13	16	114	0.244	SE
B4	20191204	Sunny	Moderate	Mid-Ebb	B	3.2	9:47	7.97	8.69	29.45	22.51	3.47	18	113	0.259	E
B4	20191204	Sunny	Moderate	Mid-Ebb	S	1	9:48	7.89	8.56	29.75	22.64	2.49	16	113	0.229	SE
B4	20191204	Sunny	Moderate	Mid-Ebb	S	1	9:48	7.81	8.7	29.79	22.48	2.95	16	113	0.241	SE
C1A	20191204	Sunny	Moderate	Mid-Ebb	B	9.3	8:09	8.29	8.46	29.53	21.85	3.06	24	114	0.121	SE
C1A	20191204	Sunny	Moderate	Mid-Ebb	B	9.3	8:09	7.43	8.25	29.45	21.67	2.89	24	114	0.187	SE
C1A	20191204	Sunny	Moderate	Mid-Ebb	M	5.15	8:10	8.22	8.49	29.67	21.64	2.43	25	114	0.245	E
C1A	20191204	Sunny	Moderate	Mid-Ebb	M	5.15	8:10	8.02	8.34	29.73	21.88	2.72	25	113	0.156	SE

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
C1A	20191204	Sunny	Moderate	Mid-Ebb	S	1	8:11	8.16	8.74	29.34	21.6	2.89	18	114	0.241	E
C1A	20191204	Sunny	Moderate	Mid-Ebb	S	1	8:11	7.87	8.52	29.69	21.7	2.55	20	113	0.277	SE
C2A	20191204	Sunny	Moderate	Mid-Ebb	B	10.3	9:19	7.56	8.43	29.33	22.42	3.3	18	113	0.149	SE
C2A	20191204	Sunny	Moderate	Mid-Ebb	B	10.3	9:19	7.82	8.69	29.79	22.36	3.07	20	113	0.131	E
C2A	20191204	Sunny	Moderate	Mid-Ebb	M	5.65	9:20	8.15	8.32	29.36	22.4	2.62	21	114	0.126	SE
C2A	20191204	Sunny	Moderate	Mid-Ebb	M	5.65	9:20	7.46	8.29	29.69	22.21	2.88	19	115	0.267	SE
C2A	20191204	Sunny	Moderate	Mid-Ebb	S	1	9:21	7.71	8.46	29.37	22.16	2.71	23	114	0.145	SE
C2A	20191204	Sunny	Moderate	Mid-Ebb	S	1	9:21	7.96	8.23	29.4	22.32	2.4	21	114	0.215	E
CR1	20191204	Sunny	Moderate	Mid-Ebb	B	11.4	9:03	8.28	8.43	29.85	22.26	3.24	4	114	0.165	SE
CR1	20191204	Sunny	Moderate	Mid-Ebb	B	11.4	9:03	7.39	8.57	29.77	22.15	3.44	5	114	0.154	SE
CR1	20191204	Sunny	Moderate	Mid-Ebb	M	6.2	9:04	7.3	8.61	29.6	22.06	2.67	6	114	0.226	SE
CR1	20191204	Sunny	Moderate	Mid-Ebb	M	6.2	9:04	7.88	8.23	29.87	22.19	2.49	6	114	0.127	SE
CR1	20191204	Sunny	Moderate	Mid-Ebb	S	1	9:05	7.65	8.73	29.31	22.09	2.76	5	114	0.201	E
CR1	20191204	Sunny	Moderate	Mid-Ebb	S	1	9:05	7.84	8.56	29.73	22.12	2.76	6	114	0.268	SE
CR2	20191204	Sunny	Moderate	Mid-Ebb	B	10.7	8:38	7.79	8.71	29.89	21.95	3.36	4	113	0.281	E
CR2	20191204	Sunny	Moderate	Mid-Ebb	B	10.7	8:38	7.97	8.33	29.47	22.15	3.11	5	114	0.265	SE
CR2	20191204	Sunny	Moderate	Mid-Ebb	M	5.85	8:39	8.25	8.2	29.74	22	2.38	5	114	0.184	E
CR2	20191204	Sunny	Moderate	Mid-Ebb	M	5.85	8:39	7.71	8.43	29.55	22.13	2.88	6	113	0.238	E
CR2	20191204	Sunny	Moderate	Mid-Ebb	S	1	8:40	7.99	8.47	29.81	22	2.73	5	115	0.216	SE
CR2	20191204	Sunny	Moderate	Mid-Ebb	S	1	8:40	7.83	8.47	29.78	22.06	2.57	6	113	0.239	SE
F1A	20191204	Sunny	Moderate	Mid-Ebb	B	7.1	9:57	8.2	8.27	29.44	22.75	2.94	16	114	0.235	E
F1A	20191204	Sunny	Moderate	Mid-Ebb	B	7.1	9:57	7.41	8.21	29.73	22.62	3.26	18	114	0.232	SE
F1A	20191204	Sunny	Moderate	Mid-Ebb	M	4.05	9:58	8.25	8.23	29.78	22.63	2.35	21	113	0.18	SE
F1A	20191204	Sunny	Moderate	Mid-Ebb	M	4.05	9:58	7.39	8.7	29.37	22.72	2.51	20	113	0.251	SE
F1A	20191204	Sunny	Moderate	Mid-Ebb	S	1	9:59	7.58	8.34	29.31	22.46	2.86	20	114	0.142	SE
F1A	20191204	Sunny	Moderate	Mid-Ebb	S	1	9:59	8.28	8.62	29.33	22.64	2.52	22	114	0.255	SE
H1	20191204	Sunny	Moderate	Mid-Ebb	B	7.3	8:12	8.09	8.61	29.33	21.88	3.24	14	113	0.226	SE
H1	20191204	Sunny	Moderate	Mid-Ebb	B	7.3	8:12	7.41	8.17	29.71	21.92	3.4	16	113	0.137	SE

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
H1	20191204	Sunny	Moderate	Mid-Ebb	M	4.15	8:13	8.25	8.43	29.37	21.93	2.39	23	114	0.138	SE
H1	20191204	Sunny	Moderate	Mid-Ebb	M	4.15	8:13	7.6	8.38	29.64	21.61	2.62	20	113	0.182	SE
H1	20191204	Sunny	Moderate	Mid-Ebb	S	1	8:14	8.12	8.21	29.61	21.83	2.35	22	114	0.132	E
H1	20191204	Sunny	Moderate	Mid-Ebb	S	1	8:14	7.8	8.56	29.67	21.88	2.68	21	115	0.244	SE
M1 _{note 4}	20191204	Sunny	Moderate	Mid-Ebb	B	7.9	10:34	7.72	8.22	29.37	22.71	3.36	5	113	0.185	SE
M1 _{note 4}	20191204	Sunny	Moderate	Mid-Ebb	B	7.9	10:34	8.14	8.55	29.79	22.66	3.06	4	113	0.177	SE
M1 _{note 4}	20191204	Sunny	Moderate	Mid-Ebb	M	4.45	10:35	7.63	8.55	29.85	22.72	2.39	6	114	0.15	E
M1 _{note 4}	20191204	Sunny	Moderate	Mid-Ebb	M	4.45	10:35	7.4	8.73	29.68	22.58	2.45	5	113	0.216	E
M1 _{note 4}	20191204	Sunny	Moderate	Mid-Ebb	S	1	10:36	7.68	8.44	29.48	22.79	2.7	6	114	0.179	SE
M1 _{note 4}	20191204	Sunny	Moderate	Mid-Ebb	S	1	10:36	7.89	8.73	29.34	22.65	2.69	7	113	0.212	SE
S1	20191204	Sunny	Moderate	Mid-Ebb	B	3.8	8:49	7.31	8.68	29.56	22.22	3.01	20	113	0.189	SE
S1	20191204	Sunny	Moderate	Mid-Ebb	B	3.8	8:49	7.36	8.17	29.36	21.97	2.94	22	113	0.149	SE
S1	20191204	Sunny	Moderate	Mid-Ebb	S	1	8:50	7.53	8.67	29.55	22.13	2.69	19	114	0.24	SE
S1	20191204	Sunny	Moderate	Mid-Ebb	S	1	8:50	7.57	8.65	29.43	21.99	2.48	21	113	0.204	SE
S2A	20191204	Sunny	Moderate	Mid-Ebb	B	8	9:16	7.45	8.58	29.83	22.48	3.08	23	113	0.125	SE
S2A	20191204	Sunny	Moderate	Mid-Ebb	B	8	9:16	7.78	8.17	29.34	22.47	2.98	21	114	0.221	SE
S2A	20191204	Sunny	Moderate	Mid-Ebb	M	4.5	9:17	8.28	8.64	29.78	22.25	2.7	14	114	0.214	E
S2A	20191204	Sunny	Moderate	Mid-Ebb	M	4.5	9:17	7.48	8.52	29.71	22.41	2.86	16	114	0.156	SE
S2A	20191204	Sunny	Moderate	Mid-Ebb	S	1	9:18	7.32	8.39	29.65	22.54	2.88	21	113	0.139	SE
S2A	20191204	Sunny	Moderate	Mid-Ebb	S	1	9:18	7.32	8.64	29.73	22.49	2.81	15	114	0.28	SE
S3	20191204	Sunny	Moderate	Mid-Ebb	B	10.5	8:49	7.98	8.3	29.63	22.2	3.06	6	113	0.117	SE
S3	20191204	Sunny	Moderate	Mid-Ebb	B	10.5	8:49	7.97	8.67	29.76	22.06	3.17	7	114	0.272	SE
S3	20191204	Sunny	Moderate	Mid-Ebb	M	5.75	8:50	7.52	8.52	29.48	22.18	2.63	6	114	0.144	SE
S3	20191204	Sunny	Moderate	Mid-Ebb	M	5.75	8:50	8.01	8.28	29.66	22	2.62	6	114	0.191	E
S3	20191204	Sunny	Moderate	Mid-Ebb	S	1	8:51	7.75	8.62	29.42	22.16	2.51	20	114	0.243	SE
S3	20191204	Sunny	Moderate	Mid-Ebb	S	1	8:51	7.68	8.44	29.33	22.19	2.97	22	114	0.246	SE
B1	20191204	Sunny	Moderate	Mid-Flood	B	4.6	12:41	7.93	8.28	29.31	23.42	3.3	14	113	0.276	W

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B1	20191204	Sunny	Moderate	Mid-Flood	B	4.6	12:41	7.89	8.24	29.86	23.22	3.3	16	113	0.18	NW
B1	20191204	Sunny	Moderate	Mid-Flood	S	1	12:42	7.87	8.14	29.66	23.38	2.62	11	113	0.315	W
B1	20191204	Sunny	Moderate	Mid-Flood	S	1	12:42	8.07	8.3	29.52	23.48	2.66	12	113	0.146	W
B2	20191204	Sunny	Moderate	Mid-Flood	B	3.8	13:00	8.09	7.99	29.51	23.5	3.08	13	113	0.322	W
B2	20191204	Sunny	Moderate	Mid-Flood	B	3.8	13:00	8.33	8.11	29.78	23.42	3.44	12	113	0.297	W
B2	20191204	Sunny	Moderate	Mid-Flood	S	1	13:01	7.89	8.05	29.33	23.39	2.57	12	112	0.29	W
B2	20191204	Sunny	Moderate	Mid-Flood	S	1	13:01	8.16	8.22	29.87	23.42	2.86	12	112	0.268	NW
B3	20191204	Sunny	Moderate	Mid-Flood	B	3.8	13:38	8.19	8.09	29.83	23.48	3.13	13	112	0.312	W
B3	20191204	Sunny	Moderate	Mid-Flood	B	3.8	13:38	8.15	7.96	29.5	23.56	3.33	14	112	0.268	W
B3	20191204	Sunny	Moderate	Mid-Flood	S	1	13:39	8.07	8.32	29.73	23.59	2.8	10	113	0.276	NW
B3	20191204	Sunny	Moderate	Mid-Flood	S	1	13:39	7.92	7.99	29.44	23.58	2.45	11	112	0.228	W
B4	20191204	Sunny	Moderate	Mid-Flood	B	4.4	13:48	8.37	8.01	29.56	23.62	3.14	17	113	0.191	W
B4	20191204	Sunny	Moderate	Mid-Flood	B	4.4	13:48	8.16	8.1	29.2	23.61	3.35	15	114	0.169	NW
B4	20191204	Sunny	Moderate	Mid-Flood	S	1	13:49	8	7.97	29.27	23.71	2.73	13	113	0.302	W
B4	20191204	Sunny	Moderate	Mid-Flood	S	1	13:49	8.2	8.03	29.57	23.61	2.55	12	113	0.185	NW
C1A	20191204	Sunny	Moderate	Mid-Flood	B	11	12:15	8.22	8.15	29.58	23.32	3.44	14	112	0.158	NW
C1A	20191204	Sunny	Moderate	Mid-Flood	B	11	12:15	8.22	8.12	29.43	23.38	3.32	14	112	0.296	W
C1A	20191204	Sunny	Moderate	Mid-Flood	M	6	12:16	7.88	8.24	29.34	23.39	2.72	16	112	0.287	NW
C1A	20191204	Sunny	Moderate	Mid-Flood	M	6	12:16	7.87	8	29.54	23.41	2.74	14	113	0.233	W
C1A	20191204	Sunny	Moderate	Mid-Flood	S	1	12:17	8.13	8.26	29.27	23.17	2.4	16	113	0.301	W
C1A	20191204	Sunny	Moderate	Mid-Flood	S	1	12:17	8.03	8.07	29.49	23.34	2.85	18	113	0.164	W
C2A	20191204	Sunny	Moderate	Mid-Flood	B	10.1	12:15	8.17	8.12	29.92	23.21	3.39	16	113	0.164	W
C2A	20191204	Sunny	Moderate	Mid-Flood	B	10.1	12:15	8.34	8.11	29.83	23.29	3.27	15	112	0.311	NW
C2A	20191204	Sunny	Moderate	Mid-Flood	M	5.55	12:16	8.41	8.1	29.65	23.34	2.73	15	114	0.266	W
C2A	20191204	Sunny	Moderate	Mid-Flood	M	5.55	12:16	7.87	8.08	29.33	23.42	3.05	16	112	0.282	W
C2A	20191204	Sunny	Moderate	Mid-Flood	S	1	12:17	7.89	8.03	29.29	23.29	2.77	17	113	0.19	W
C2A	20191204	Sunny	Moderate	Mid-Flood	S	1	12:17	7.88	8.21	29.86	23.21	2.8	16	112	0.281	W
CR1	20191204	Sunny	Moderate	Mid-Flood	B	11.9	12:34	7.85	7.98	29.2	23.42	3.24	10	114	0.227	W

Contract No. EP/SP/66/12
 Integrated Waste Management Facilities, Phase 1
 Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
CR1	20191204	Sunny	Moderate	Mid-Flood	B	11.9	12:34	8.1	8.28	29.37	23.27	2.97	11	113	0.169	NW
CR1	20191204	Sunny	Moderate	Mid-Flood	M	6.45	12:35	8.05	8.26	29.36	23.26	3.13	13	113	0.145	W
CR1	20191204	Sunny	Moderate	Mid-Flood	M	6.45	12:35	8.04	8.26	29.3	23.46	3.1	12	113	0.144	W
CR1	20191204	Sunny	Moderate	Mid-Flood	S	1	12:36	8.3	8.07	29.7	23.49	2.7	13	113	0.297	W
CR1	20191204	Sunny	Moderate	Mid-Flood	S	1	12:36	8.17	8.06	29.37	23.21	2.42	14	113	0.237	NW
CR2	20191204	Sunny	Moderate	Mid-Flood	B	10.9	13:03	7.86	8.07	29.32	23.35	3.36	7	113	0.228	W
CR2	20191204	Sunny	Moderate	Mid-Flood	B	10.9	13:03	8.3	8.15	29.26	23.49	3.01	7	113	0.154	W
CR2	20191204	Sunny	Moderate	Mid-Flood	M	5.95	13:04	8.17	8	29.42	23.59	2.84	7	113	0.284	W
CR2	20191204	Sunny	Moderate	Mid-Flood	M	5.95	13:04	8.33	8.29	29.63	23.56	2.93	6	113	0.197	W
CR2	20191204	Sunny	Moderate	Mid-Flood	S	1	13:05	8.02	7.97	29.59	23.63	2.6	12	114	0.234	W
CR2	20191204	Sunny	Moderate	Mid-Flood	S	1	13:05	8.12	8.21	29.92	23.47	2.54	7	114	0.318	NW
F1A	20191204	Sunny	Moderate	Mid-Flood	B	7.6	14:08	7.98	8.24	29.72	23.54	2.89	16	113	0.221	W
F1A	20191204	Sunny	Moderate	Mid-Flood	B	7.6	14:08	8.12	7.95	29.48	23.63	3.14	16	113	0.3	W
F1A	20191204	Sunny	Moderate	Mid-Flood	M	4.3	14:09	7.9	8.22	29.33	23.79	2.6	17	112	0.185	W
F1A	20191204	Sunny	Moderate	Mid-Flood	M	4.3	14:09	7.87	8.07	29.65	23.5	2.57	16	113	0.29	W
F1A	20191204	Sunny	Moderate	Mid-Flood	S	1	14:10	8.29	8.06	29.43	23.83	2.86	16	113	0.237	W
F1A	20191204	Sunny	Moderate	Mid-Flood	S	1	14:10	7.94	8.11	29.53	23.85	2.63	16	112	0.282	W
H1	20191204	Sunny	Moderate	Mid-Flood	B	6.6	13:24	8.39	7.96	29.2	23.54	3.15	14	113	0.299	W
H1	20191204	Sunny	Moderate	Mid-Flood	B	6.6	13:24	8.38	8.04	29.76	23.81	3.32	16	113	0.258	W
H1	20191204	Sunny	Moderate	Mid-Flood	M	3.8	13:25	8.11	8.2	29.63	23.88	2.98	16	113	0.163	W
H1	20191204	Sunny	Moderate	Mid-Flood	M	3.8	13:25	8	8.27	29.5	23.61	2.93	14	112	0.163	W
H1	20191204	Sunny	Moderate	Mid-Flood	S	1	13:26	8.05	8.17	29.92	23.78	2.69	20	113	0.178	W
H1	20191204	Sunny	Moderate	Mid-Flood	S	1	13:26	7.99	8.22	29.73	23.85	2.77	18	113	0.191	W
M1	20191204	Sunny	Moderate	Mid-Flood	B	6.4	14:49	7.97	7.99	29.3	23.67	3.11	6	113	0.139	W
M1	20191204	Sunny	Moderate	Mid-Flood	B	6.4	14:49	8.19	8.23	29.8	23.86	2.92	7	113	0.313	NW
M1	20191204	Sunny	Moderate	Mid-Flood	M	3.7	14:50	8.34	8.04	29.82	23.6	2.64	7	113	0.231	W
M1	20191204	Sunny	Moderate	Mid-Flood	M	3.7	14:50	8.01	8.24	29.8	23.87	2.7	6	112	0.272	W
M1	20191204	Sunny	Moderate	Mid-Flood	S	1	14:51	8.02	8.23	29.86	23.83	2.67	12	112	0.321	W

Contract No. EP/SP/66/12
 Integrated Waste Management Facilities, Phase 1
 Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
M1	20191204	Sunny	Moderate	Mid-Flood	S	1	14:51	7.89	7.99	29.74	23.68	2.86	11	113	0.14	W
S1	20191204	Sunny	Moderate	Mid-Flood	B	4.1	12:50	8.17	8.19	29.93	23.4	3.12	16	113	0.235	NW
S1	20191204	Sunny	Moderate	Mid-Flood	B	4.1	12:50	8.27	8.1	29.39	23.5	3.08	19	113	0.182	NW
S1	20191204	Sunny	Moderate	Mid-Flood	S	1	12:51	7.97	8.28	29.95	23.32	2.35	17	113	0.237	W
S1	20191204	Sunny	Moderate	Mid-Flood	S	1	12:51	7.87	8.09	29.32	23.27	2.74	16	113	0.304	W
S2A	20191204	Sunny	Moderate	Mid-Flood	B	8.2	13:17	8.35	8.21	29.78	23.55	3.19	16	112	0.309	W
S2A	20191204	Sunny	Moderate	Mid-Flood	B	8.2	13:17	8.14	8.26	29.33	23.57	2.95	15	113	0.204	NW
S2A	20191204	Sunny	Moderate	Mid-Flood	M	4.6	13:18	8.23	8.11	29.62	23.55	2.66	16	113	0.308	W
S2A	20191204	Sunny	Moderate	Mid-Flood	M	4.6	13:18	8.02	8.31	29.81	23.38	3.12	17	112	0.169	W
S2A	20191204	Sunny	Moderate	Mid-Flood	S	1	13:19	7.86	8.29	29.47	23.33	2.61	18	113	0.258	W
S2A	20191204	Sunny	Moderate	Mid-Flood	S	1	13:19	8.15	8.21	29.49	23.51	2.37	18	113	0.211	W
S3	20191204	Sunny	Moderate	Mid-Flood	B	8.9	12:53	7.93	8.11	29.95	23.56	3.16	11	112	0.161	W
S3	20191204	Sunny	Moderate	Mid-Flood	B	8.9	12:53	8.18	8.19	29.28	23.49	3.18	10	113	0.283	W
S3	20191204	Sunny	Moderate	Mid-Flood	M	4.95	12:54	8.37	8.09	29.47	23.49	2.95	11	113	0.17	W
S3	20191204	Sunny	Moderate	Mid-Flood	M	4.95	12:54	8.01	8.27	29.57	23.36	2.76	12	113	0.244	W
S3	20191204	Sunny	Moderate	Mid-Flood	S	1	12:55	8.24	8.26	29.95	23.37	2.66	13	113	0.27	W
S3	20191204	Sunny	Moderate	Mid-Flood	S	1	12:55	8.4	8.28	29.76	23.52	2.64	13	112	0.163	W
B1	20191206	Cloudy	Moderate	Mid-Flood	B	4.5	9:14	7.6	8.22	29.93	21.98	3.29	7	112	0.257	W
B1	20191206	Cloudy	Moderate	Mid-Flood	B	4.5	9:14	7.31	8.41	29.55	21.8	3.45	8	112	0.313	W
B1	20191206	Cloudy	Moderate	Mid-Flood	S	1	9:15	7.56	8.16	29.46	21.75	2.8	7	113	0.318	W
B1	20191206	Cloudy	Moderate	Mid-Flood	S	1	9:15	7.41	8.31	29.33	21.92	2.89	6	112	0.293	W
B2	20191206	Cloudy	Moderate	Mid-Flood	B	3.6	9:34	7.35	8.53	29.61	21.74	3.15	10	112	0.203	W
B2	20191206	Cloudy	Moderate	Mid-Flood	B	3.6	9:34	7.79	8.44	29.61	22	3.37	11	112	0.154	W
B2	20191206	Cloudy	Moderate	Mid-Flood	S	1	9:35	7.76	8.21	29.38	21.98	2.65	9	112	0.29	W
B2	20191206	Cloudy	Moderate	Mid-Flood	S	1	9:35	7.43	8.39	29.86	22.01	2.44	10	112	0.256	NW
B3	20191206	Cloudy	Moderate	Mid-Flood	B	4	10:11	7.57	8.33	29.81	22	3.4	9	112	0.246	NW
B3	20191206	Cloudy	Moderate	Mid-Flood	B	4	10:11	7.63	8.34	29.78	22.19	3.54	9	113	0.216	W
B3	20191206	Cloudy	Moderate	Mid-Flood	S	1	10:12	7.69	8.31	29.38	21.89	2.59	9	113	0.144	W

Contract No. EP/SP/66/12
 Integrated Waste Management Facilities, Phase 1
 Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B3	20191206	Cloudy	Moderate	Mid-Flood	S	1	10:12	7.71	8.19	29.91	21.73	2.9	8	112	0.185	W
B4	20191206	Cloudy	Moderate	Mid-Flood	B	3.9	10:21	7.88	8.38	29.74	21.94	3.17	9	112	0.153	W
B4	20191206	Cloudy	Moderate	Mid-Flood	B	3.9	10:21	7.88	8.36	29.45	21.72	3.41	9	113	0.255	W
B4	20191206	Cloudy	Moderate	Mid-Flood	S	1	10:22	7.78	8.44	29.66	21.91	2.85	8	113	0.18	W
B4	20191206	Cloudy	Moderate	Mid-Flood	S	1	10:22	7.6	8.44	29.52	22.05	2.46	9	113	0.138	NW
C1A	20191206	Cloudy	Moderate	Mid-Flood	B	10.8	8:46	7.36	8.29	29.75	21.48	3.3	8	113	0.168	W
C1A	20191206	Cloudy	Moderate	Mid-Flood	B	10.8	8:46	7.31	8.5	29.56	21.77	3.14	9	112	0.149	W
C1A	20191206	Cloudy	Moderate	Mid-Flood	M	5.9	8:47	7.71	8.24	29.48	21.59	3.12	8	112	0.198	W
C1A	20191206	Cloudy	Moderate	Mid-Flood	M	5.9	8:47	7.61	8.22	29.31	21.48	2.76	9	112	0.197	W
C1A	20191206	Cloudy	Moderate	Mid-Flood	S	1	8:48	7.57	8.32	29.41	21.47	2.55	8	112	0.281	NW
C1A	20191206	Cloudy	Moderate	Mid-Flood	S	1	8:48	7.53	8.25	29.67	21.64	2.64	8	112	0.192	W
C2A	20191206	Cloudy	Moderate	Mid-Flood	B	10.8	8:11	7.55	8.3	29.76	21.52	3.43	9	112	0.195	NW
C2A	20191206	Cloudy	Moderate	Mid-Flood	B	10.8	8:11	7.48	8.15	29.93	21.76	3.27	8	112	0.223	W
C2A	20191206	Cloudy	Moderate	Mid-Flood	M	5.9	8:12	7.44	8.3	29.27	21.53	3.08	7	112	0.19	W
C2A	20191206	Cloudy	Moderate	Mid-Flood	M	5.9	8:12	7.61	8.25	29.92	21.61	2.56	8	111	0.168	W
C2A	20191206	Cloudy	Moderate	Mid-Flood	S	1	8:13	7.69	8.16	29.88	21.51	2.51	6	112	0.146	W
C2A	20191206	Cloudy	Moderate	Mid-Flood	S	1	8:13	7.8	8.46	29.56	21.39	2.54	7	113	0.281	NW
CR1	20191206	Cloudy	Moderate	Mid-Flood	B	12	8:32	7.45	8.26	29.57	21.53	3.13	8	114	0.178	W
CR1	20191206	Cloudy	Moderate	Mid-Flood	B	12	8:32	7.72	8.17	29.2	21.44	3.24	9	113	0.235	W
CR1	20191206	Cloudy	Moderate	Mid-Flood	M	6.5	8:33	7.7	8.5	29.27	21.31	3.07	9	112	0.282	W
CR1	20191206	Cloudy	Moderate	Mid-Flood	M	6.5	8:33	7.85	8.24	29.74	21.65	2.81	8	113	0.143	W
CR1	20191206	Cloudy	Moderate	Mid-Flood	S	1	8:34	7.53	8.47	29.84	21.45	2.6	10	112	0.189	W
CR1	20191206	Cloudy	Moderate	Mid-Flood	S	1	8:34	7.58	8.39	29.71	21.48	2.83	9	113	0.301	W
CR2	20191206	Cloudy	Moderate	Mid-Flood	B	10.3	9:07	7.51	8.45	29.72	21.65	3.32	9	113	0.277	NW
CR2	20191206	Cloudy	Moderate	Mid-Flood	B	10.3	9:07	7.6	8.23	29.24	21.63	3.31	8	114	0.208	NW
CR2	20191206	Cloudy	Moderate	Mid-Flood	M	5.65	9:08	7.81	8.3	29.46	21.92	2.64	8	113	0.198	W
CR2	20191206	Cloudy	Moderate	Mid-Flood	M	5.65	9:08	7.74	8.24	29.91	21.77	3.01	7	113	0.302	W
CR2	20191206	Cloudy	Moderate	Mid-Flood	S	1	9:09	7.64	8.24	29.28	21.73	2.6	8	113	0.215	W

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
CR2	20191206	Cloudy	Moderate	Mid-Flood	S	1	9:09	7.4	8.17	29.64	21.89	2.46	7	113	0.264	W
F1A	20191206	Cloudy	Moderate	Mid-Flood	B	7.7	10:13	7.35	8.47	29.93	21.73	3.32	9	112	0.248	W
F1A	20191206	Cloudy	Moderate	Mid-Flood	B	7.7	10:13	7.88	8.28	29.77	22.15	3.34	8	113	0.314	NW
F1A	20191206	Cloudy	Moderate	Mid-Flood	M	4.35	10:14	7.46	8.37	29.74	21.94	2.72	9	112	0.189	W
F1A	20191206	Cloudy	Moderate	Mid-Flood	M	4.35	10:14	7.38	8.15	29.5	22.08	2.63	9	112	0.204	NW
F1A	20191206	Cloudy	Moderate	Mid-Flood	S	1	10:15	7.27	8.4	29.22	22	2.74	8	112	0.281	NW
F1A	20191206	Cloudy	Moderate	Mid-Flood	S	1	10:15	7.84	8.33	29.65	21.82	2.9	7	111	0.279	W
H1	20191206	Cloudy	Moderate	Mid-Flood	B	7.4	9:27	7.67	8.23	29.67	21.73	3.1	7	113	0.244	W
H1	20191206	Cloudy	Moderate	Mid-Flood	B	7.4	9:27	7.51	8.25	29.89	21.93	3.01	8	112	0.3	W
H1	20191206	Cloudy	Moderate	Mid-Flood	M	4.2	9:28	7.76	8.25	29.66	21.99	2.69	8	112	0.294	W
H1	20191206	Cloudy	Moderate	Mid-Flood	M	4.2	9:28	7.7	8.45	29.86	21.94	3.08	9	112	0.236	NW
H1	20191206	Cloudy	Moderate	Mid-Flood	S	1	9:29	7.45	8.33	29.29	21.76	2.41	8	112	0.197	NW
H1	20191206	Cloudy	Moderate	Mid-Flood	S	1	9:29	7.32	8.22	29.53	21.72	2.58	8	112	0.283	W
M1	20191206	Cloudy	Moderate	Mid-Flood	B	6.9	10:51	7.75	8.31	29.8	22.54	2.9	9	113	0.299	W
M1	20191206	Cloudy	Moderate	Mid-Flood	B	6.9	10:51	7.51	8.43	29.85	22.26	2.91	10	112	0.172	W
M1	20191206	Cloudy	Moderate	Mid-Flood	M	3.95	10:52	7.29	8.29	29.42	22.52	3.08	9	113	0.203	W
M1	20191206	Cloudy	Moderate	Mid-Flood	M	3.95	10:52	7.73	8.52	29.64	22.53	2.99	8	113	0.159	NW
M1	20191206	Cloudy	Moderate	Mid-Flood	S	1	10:53	7.34	8.52	29.23	22.49	2.41	6	112	0.19	NW
M1	20191206	Cloudy	Moderate	Mid-Flood	S	1	10:53	7.77	8.31	29.73	22.35	2.82	6	113	0.149	W
S1	20191206	Cloudy	Moderate	Mid-Flood	B	4.7	9:24	7.71	8.19	29.2	21.87	2.91	9	112	0.322	W
S1	20191206	Cloudy	Moderate	Mid-Flood	B	4.7	9:24	7.55	8.38	29.33	21.84	3.46	9	112	0.295	W
S1	20191206	Cloudy	Moderate	Mid-Flood	S	1	9:25	7.66	8.18	29.42	21.96	2.44	8	112	0.225	NW
S1	20191206	Cloudy	Moderate	Mid-Flood	S	1	9:25	7.43	8.36	29.87	21.77	2.78	9	112	0.18	W
S2A	20191206	Cloudy	Moderate	Mid-Flood	B	8.3	9:51	7.83	8.28	29.61	22.15	3.37	9	112	0.14	W
S2A	20191206	Cloudy	Moderate	Mid-Flood	B	8.3	9:51	7.57	8.42	29.45	22.14	2.96	8	112	0.303	NW
S2A	20191206	Cloudy	Moderate	Mid-Flood	M	4.65	9:52	7.26	8.28	29.75	21.81	2.76	11	112	0.14	W
S2A	20191206	Cloudy	Moderate	Mid-Flood	M	4.65	9:52	7.77	8.44	29.33	21.76	2.9	12	112	0.188	W
S2A	20191206	Cloudy	Moderate	Mid-Flood	S	1	9:53	7.39	8.29	29.79	21.91	2.93	11	112	0.215	W

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
S2A	20191206	Cloudy	Moderate	Mid-Flood	S	1	9:53	7.6	8.4	29.42	21.74	2.87	11	112	0.158	W
S3	20191206	Cloudy	Moderate	Mid-Flood	B	8.4	8:54	7.42	8.15	29.56	21.55	3.1	11	113	0.295	W
S3	20191206	Cloudy	Moderate	Mid-Flood	B	8.4	8:54	7.46	8.45	29.3	21.75	3.07	10	113	0.234	W
S3	20191206	Cloudy	Moderate	Mid-Flood	M	4.7	8:55	7.25	8.21	29.68	21.7	2.93	8	112	0.186	W
S3	20191206	Cloudy	Moderate	Mid-Flood	M	4.7	8:55	7.7	8.5	29.59	21.49	2.73	9	112	0.3	W
S3	20191206	Cloudy	Moderate	Mid-Flood	S	1	8:56	7.39	8.19	29.7	21.7	2.84	8	112	0.297	NW
S3	20191206	Cloudy	Moderate	Mid-Flood	S	1	8:56	7.52	8.23	29.59	21.63	2.66	9	111	0.277	W
B1	20191206	Cloudy	Moderate	Mid-Ebb	B	3.9	14:13	7.29	8.11	29.55	23.29	3.17	7	112	0.198	E
B1	20191206	Cloudy	Moderate	Mid-Ebb	B	3.9	14:13	7.44	8.23	29.58	23.21	2.99	8	113	0.16	SE
B1	20191206	Cloudy	Moderate	Mid-Ebb	S	1	14:14	7.55	8.11	29.4	23.18	2.85	7	113	0.157	SE
B1	20191206	Cloudy	Moderate	Mid-Ebb	S	1	14:14	7.47	8.11	29.32	23.1	2.48	7	113	0.232	SE
B2	20191206	Cloudy	Moderate	Mid-Ebb	B	4.8	14:33	7.65	8.15	29.75	23.22	2.88	8	113	0.238	SE
B2	20191206	Cloudy	Moderate	Mid-Ebb	B	4.8	14:33	7.27	8.36	29.9	23.15	3.09	9	114	0.209	SE
B2	20191206	Cloudy	Moderate	Mid-Ebb	S	1	14:34	7.68	8.15	29.76	23.26	2.4	8	113	0.269	SE
B2	20191206	Cloudy	Moderate	Mid-Ebb	S	1	14:34	7.55	8.28	29.49	23.14	2.59	7	113	0.231	SE
B3	20191206	Cloudy	Moderate	Mid-Ebb	B	3.8	15:10	7.61	8.34	29.41	23.36	3.38	7	113	0.174	SE
B3	20191206	Cloudy	Moderate	Mid-Ebb	B	3.8	15:10	7.34	8.06	29.4	23.46	3.34	8	112	0.236	E
B3	20191206	Cloudy	Moderate	Mid-Ebb	S	1	15:11	7.38	8.4	29.63	23.38	2.84	6	113	0.196	SE
B3	20191206	Cloudy	Moderate	Mid-Ebb	S	1	15:11	7.68	8.2	29.76	23.5	2.57	7	113	0.131	SE
B4	20191206	Cloudy	Moderate	Mid-Ebb	B	4	15:20	7.27	8.11	29.89	23.28	3.55	5	114	0.147	SE
B4	20191206	Cloudy	Moderate	Mid-Ebb	B	4	15:20	7.31	8.4	29.32	23.39	3.13	6	112	0.243	E
B4	20191206	Cloudy	Moderate	Mid-Ebb	S	1	15:21	7.7	8.18	29.46	23.38	2.68	8	113	0.217	E
B4	20191206	Cloudy	Moderate	Mid-Ebb	S	1	15:21	7.66	8.35	29.53	23.37	2.63	7	114	0.169	E
C1A	20191206	Cloudy	Moderate	Mid-Ebb	B	10.1	13:45	7.6	8.23	29.62	23.3	3.14	8	113	0.277	E
C1A	20191206	Cloudy	Moderate	Mid-Ebb	B	10.1	13:45	7.29	8.2	29.73	23.3	3.38	8	113	0.179	SE
C1A	20191206	Cloudy	Moderate	Mid-Ebb	M	5.55	13:46	7.72	8.29	29.87	23.25	2.34	7	113	0.177	E
C1A	20191206	Cloudy	Moderate	Mid-Ebb	M	5.55	13:46	7.57	8.16	29.47	23.33	2.84	8	113	0.263	SE
C1A	20191206	Cloudy	Moderate	Mid-Ebb	S	1	13:47	7.69	8.06	29.71	23.25	2.85	7	114	0.143	SE

Contract No. EP/SP/66/12
 Integrated Waste Management Facilities, Phase 1
 Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
C1A	20191206	Cloudy	Moderate	Mid-Ebb	S	1	13:47	7.47	8.24	29.83	23.24	2.35	6	113	0.244	SE
C2A	20191206	Cloudy	Moderate	Mid-Ebb	B	11.5	13:59	7.56	8.16	29.31	23.29	3.06	7	112	0.25	SE
C2A	20191206	Cloudy	Moderate	Mid-Ebb	B	11.5	13:59	7.57	8.29	29.73	23.28	3.3	8	112	0.194	E
C2A	20191206	Cloudy	Moderate	Mid-Ebb	M	6.25	14:00	7.58	8.34	29.65	23.33	2.91	6	113	0.197	SE
C2A	20191206	Cloudy	Moderate	Mid-Ebb	M	6.25	14:00	7.36	8.27	29.31	23.21	2.61	7	114	0.248	SE
C2A	20191206	Cloudy	Moderate	Mid-Ebb	S	1	14:01	7.61	8.16	29.63	23.13	2.66	6	114	0.156	E
C2A	20191206	Cloudy	Moderate	Mid-Ebb	S	1	14:01	7.31	8.18	29.75	23.29	2.4	6	113	0.274	SE
CR1	20191206	Cloudy	Moderate	Mid-Ebb	B	12.5	14:20	7.29	8.29	29.81	23.31	3.26	9	113	0.165	E
CR1	20191206	Cloudy	Moderate	Mid-Ebb	B	12.5	14:20	7.63	8.12	29.76	23.21	2.89	8	113	0.166	SE
CR1	20191206	Cloudy	Moderate	Mid-Ebb	M	6.75	14:21	7.58	8.26	29.35	23.09	2.68	9	113	0.235	SE
CR1	20191206	Cloudy	Moderate	Mid-Ebb	M	6.75	14:21	7.38	8.44	29.31	23.23	2.73	9	113	0.125	SE
CR1	20191206	Cloudy	Moderate	Mid-Ebb	S	1	14:22	7.63	8.36	29.57	23.21	2.52	7	113	0.164	SE
CR1	20191206	Cloudy	Moderate	Mid-Ebb	S	1	14:22	7.46	8.1	29.57	23.13	2.84	7	113	0.208	E
CR2	20191206	Cloudy	Moderate	Mid-Ebb	B	11.1	14:49	7.54	8.3	29.56	23.28	2.92	6	113	0.182	E
CR2	20191206	Cloudy	Moderate	Mid-Ebb	B	11.1	14:49	7.52	8.07	29.68	23.15	3.43	7	113	0.241	E
CR2	20191206	Cloudy	Moderate	Mid-Ebb	M	6.05	14:50	7.64	8.23	29.54	23.25	2.79	6	113	0.159	SE
CR2	20191206	Cloudy	Moderate	Mid-Ebb	M	6.05	14:50	7.41	8.39	29.54	23.39	2.71	6	112	0.206	SE
CR2	20191206	Cloudy	Moderate	Mid-Ebb	S	1	14:51	7.56	8.39	29.61	23.21	2.77	8	113	0.188	E
CR2	20191206	Cloudy	Moderate	Mid-Ebb	S	1	14:51	7.23	8.33	29.7	23.09	2.47	9	112	0.15	SE
F1A	20191206	Cloudy	Moderate	Mid-Ebb	B	7.6	15:59	7.5	8.42	29.37	23.15	3.42	8	113	0.147	SE
F1A	20191206	Cloudy	Moderate	Mid-Ebb	B	7.6	15:59	7.31	8.18	29.38	23.37	3.35	7	112	0.136	SE
F1A	20191206	Cloudy	Moderate	Mid-Ebb	M	4.3	16:00	7.7	8.35	29.56	23.3	2.9	8	112	0.128	SE
F1A	20191206	Cloudy	Moderate	Mid-Ebb	M	4.3	16:00	7.61	8.18	29.64	23.28	2.41	7	113	0.172	SE
F1A	20191206	Cloudy	Moderate	Mid-Ebb	S	1	16:01	7.22	8.14	29.6	23.35	2.32	6	113	0.143	E
F1A	20191206	Cloudy	Moderate	Mid-Ebb	S	1	16:01	7.6	8.09	29.61	23.23	2.81	6	113	0.154	SE
H1	20191206	Cloudy	Moderate	Mid-Ebb	B	7	15:12	7.34	8.1	29.65	23.44	3.32	8	113	0.217	E
H1	20191206	Cloudy	Moderate	Mid-Ebb	B	7	15:12	7.26	8.12	29.66	23.35	3.22	7	112	0.143	SE
H1	20191206	Cloudy	Moderate	Mid-Ebb	M	4	15:13	7.28	8.13	29.56	23.49	2.38	7	113	0.226	SE

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
H1	20191206	Cloudy	Moderate	Mid-Ebb	M	4	15:13	7.49	8.13	29.67	23.32	2.76	8	114	0.193	SE
H1	20191206	Cloudy	Moderate	Mid-Ebb	S	1	15:14	7.51	8.25	29.38	23.31	2.34	8	113	0.128	SE
H1	20191206	Cloudy	Moderate	Mid-Ebb	S	1	15:14	7.33	8.11	29.67	23.3	2.51	7	113	0.228	E
M1	20191206	Cloudy	Moderate	Mid-Ebb	B	8	16:34	7.56	8.28	29.7	23.19	3.11	7	113	0.16	SE
M1	20191206	Cloudy	Moderate	Mid-Ebb	B	8	16:34	7.42	8.22	29.57	23.21	3.06	8	113	0.248	E
M1	20191206	Cloudy	Moderate	Mid-Ebb	M	4.5	16:35	7.22	8.35	29.72	23.2	2.82	6	113	0.226	E
M1	20191206	Cloudy	Moderate	Mid-Ebb	M	4.5	16:35	7.47	8.19	29.51	23.37	2.57	7	113	0.224	SE
M1	20191206	Cloudy	Moderate	Mid-Ebb	S	1	16:36	7.67	8.13	29.89	23.13	2.45	7	114	0.274	E
M1	20191206	Cloudy	Moderate	Mid-Ebb	S	1	16:36	7.38	8.16	29.68	23.08	2.59	6	113	0.147	SE
S1	20191206	Cloudy	Moderate	Mid-Ebb	B	4	14:23	7.48	8.44	29.89	23.26	3.1	6	113	0.193	SE
S1	20191206	Cloudy	Moderate	Mid-Ebb	B	4	14:23	7.28	8.33	29.46	23.2	2.94	5	113	0.197	SE
S1	20191206	Cloudy	Moderate	Mid-Ebb	S	1	14:24	7.3	8.43	29.65	23.11	2.77	6	113	0.253	E
S1	20191206	Cloudy	Moderate	Mid-Ebb	S	1	14:24	7.37	8.35	29.61	23.31	2.4	7	113	0.117	SE
S2A	20191206	Cloudy	Moderate	Mid-Ebb	B	7.9	14:50	7.32	8.42	29.82	23.13	3	7	114	0.206	SE
S2A	20191206	Cloudy	Moderate	Mid-Ebb	B	7.9	14:50	7.23	8.08	29.71	23.09	3.22	6	113	0.262	E
S2A	20191206	Cloudy	Moderate	Mid-Ebb	M	4.45	14:51	7.63	8.34	29.33	23.15	2.44	5	113	0.13	SE
S2A	20191206	Cloudy	Moderate	Mid-Ebb	M	4.45	14:51	7.27	8.41	29.49	23.36	2.37	6	113	0.194	SE
S2A	20191206	Cloudy	Moderate	Mid-Ebb	S	1	14:52	7.36	8.12	29.39	23.4	2.74	5	114	0.215	SE
S2A	20191206	Cloudy	Moderate	Mid-Ebb	S	1	14:52	7.59	8.23	29.59	23.34	2.58	6	114	0.203	SE
S3	20191206	Cloudy	Moderate	Mid-Ebb	B	9.4	14:35	7.58	8.07	29.74	23.32	3.07	8	114	0.221	E
S3	20191206	Cloudy	Moderate	Mid-Ebb	B	9.4	14:35	7.35	8.36	29.46	23.29	3.34	7	113	0.254	E
S3	20191206	Cloudy	Moderate	Mid-Ebb	M	5.2	14:36	7.28	8.36	29.53	23.16	2.83	9	113	0.139	E
S3	20191206	Cloudy	Moderate	Mid-Ebb	M	5.2	14:36	7.65	8.07	29.86	23.29	2.6	8	113	0.276	SE
S3	20191206	Cloudy	Moderate	Mid-Ebb	S	1	14:37	7.63	8.27	29.45	23.38	2.44	8	113	0.271	SE
S3	20191206	Cloudy	Moderate	Mid-Ebb	S	1	14:37	7.54	8.36	29.68	23.37	2.42	9	114	0.245	E
B1	20191209	Cloudy	Moderate	Mid-Ebb	B	4.2	9:13	7.52	8.24	30.34	21.39	2.88	9	113	0.18	W
B1	20191209	Cloudy	Moderate	Mid-Ebb	B	4.2	9:13	7.39	8.19	30.77	21.19	2.41	10	114	0.259	W
B1	20191209	Cloudy	Moderate	Mid-Ebb	S	1	9:14	7.08	8.23	30.72	21.19	2.77	9	114	0.23	W

Contract No. EP/SP/66/12
 Integrated Waste Management Facilities, Phase 1
 Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B1	20191209	Cloudy	Moderate	Mid-Ebb	S	1	9:14	7.48	8.28	30.36	21.13	2.8	9	113	0.194	W
B2	20191209	Cloudy	Moderate	Mid-Ebb	B	4.2	9:42	7.31	8.31	30.36	21.32	2.58	6	113	0.24	SW
B2	20191209	Cloudy	Moderate	Mid-Ebb	B	4.2	9:42	7.77	8.17	30.64	21.39	2.46	5	113	0.283	NW
B2	20191209	Cloudy	Moderate	Mid-Ebb	S	1	9:43	7.61	8.07	30.58	21.52	3.26	5	113	0.254	W
B2	20191209	Cloudy	Moderate	Mid-Ebb	S	1	9:43	7.21	7.98	30.85	21.51	3.25	6	113	0.216	W
B3	20191209	Cloudy	Moderate	Mid-Ebb	B	4.2	10:09	7.63	8.07	30.8	21.52	2.6	9	114	0.167	W
B3	20191209	Cloudy	Moderate	Mid-Ebb	B	4.2	10:09	7.22	8.04	30.56	21.43	2.36	9	114	0.261	SW
B3	20191209	Cloudy	Moderate	Mid-Ebb	S	1	10:10	7.16	8.36	30.73	21.5	3.12	7	113	0.236	W
B3	20191209	Cloudy	Moderate	Mid-Ebb	S	1	10:10	7.58	8.17	30.23	21.26	2.77	8	113	0.281	W
B4	20191209	Cloudy	Moderate	Mid-Ebb	B	3.8	9:56	7.38	8.1	30.38	21.57	2.56	6	114	0.158	W
B4	20191209	Cloudy	Moderate	Mid-Ebb	B	3.8	9:56	7.74	7.95	30.29	21.38	2.62	6	114	0.205	SW
B4	20191209	Cloudy	Moderate	Mid-Ebb	S	1	9:57	7.9	8.04	30.31	21.55	3.11	10	114	0.249	NW
B4	20191209	Cloudy	Moderate	Mid-Ebb	S	1	9:57	7.43	8.36	30.67	21.25	3.1	10	113	0.173	W
C1A	20191209	Cloudy	Moderate	Mid-Ebb	B	9.6	8:41	7.46	8.03	30.33	21.28	2.91	6	113	0.183	SW
C1A	20191209	Cloudy	Moderate	Mid-Ebb	B	9.6	8:41	7.14	8.31	30.48	21.29	2.54	7	114	0.206	SW
C1A	20191209	Cloudy	Moderate	Mid-Ebb	M	5.3	8:42	7.14	8.37	30.3	21.19	2.69	7	113	0.223	W
C1A	20191209	Cloudy	Moderate	Mid-Ebb	M	5.3	8:42	7.28	8.03	30.27	21.1	2.74	6	114	0.185	SW
C1A	20191209	Cloudy	Moderate	Mid-Ebb	S	1	8:43	7.24	8.1	30.31	21.42	2.72	10	114	0.232	SW
C1A	20191209	Cloudy	Moderate	Mid-Ebb	S	1	8:43	7.59	8.28	30.31	21.15	3.25	10	114	0.284	W
C2A	20191209	Cloudy	Moderate	Mid-Ebb	B	10.9	10:41	7.35	8.35	30.22	21.51	2.9	7	113	0.283	SW
C2A	20191209	Cloudy	Moderate	Mid-Ebb	B	10.9	10:41	7.34	8.02	30.32	21.4	2.32	6	113	0.162	W
C2A	20191209	Cloudy	Moderate	Mid-Ebb	M	5.95	10:42	7.16	8.06	30.62	21.5	3	8	114	0.18	W
C2A	20191209	Cloudy	Moderate	Mid-Ebb	M	5.95	10:42	7.08	8.31	30.26	21.56	2.82	8	114	0.239	W
C2A	20191209	Cloudy	Moderate	Mid-Ebb	S	1	10:43	7.19	8.11	30.64	21.56	2.91	9	113	0.253	W
C2A	20191209	Cloudy	Moderate	Mid-Ebb	S	1	10:43	7.65	8.09	30.37	21.5	3.26	8	113	0.154	W
CR1	20191209	Cloudy	Moderate	Mid-Ebb	B	11.9	11:30	7.62	8.2	30.51	21.41	2.37	8	114	0.174	W
CR1	20191209	Cloudy	Moderate	Mid-Ebb	B	11.9	11:30	7.67	8.26	30.35	21.64	2.84	7	113	0.221	SW
CR1	20191209	Cloudy	Moderate	Mid-Ebb	M	6.45	11:31	7.18	8.14	30.65	21.39	3.07	9	114	0.256	W

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
CR1	20191209	Cloudy	Moderate	Mid-Ebb	M	6.45	11:31	7.61	8.12	30.28	21.42	3.11	8	114	0.189	W
CR1	20191209	Cloudy	Moderate	Mid-Ebb	S	1	11:32	7.79	8.11	30.42	21.58	2.88	8	114	0.203	SW
CR1	20191209	Cloudy	Moderate	Mid-Ebb	S	1	11:32	7.85	8.31	30.59	21.52	2.71	8	114	0.21	W
CR2	20191209	Cloudy	Moderate	Mid-Ebb	B	9.8	10:49	7.13	8.33	30.43	21.51	2.64	5	114	0.229	SW
CR2	20191209	Cloudy	Moderate	Mid-Ebb	B	9.8	10:49	7.5	8.27	30.48	21.61	2.7	4	114	0.279	W
CR2	20191209	Cloudy	Moderate	Mid-Ebb	M	5.4	10:50	7.6	8.35	30.32	21.43	2.69	5	114	0.23	NW
CR2	20191209	Cloudy	Moderate	Mid-Ebb	M	5.4	10:50	7.86	7.96	30.37	21.47	2.55	5	113	0.213	SW
CR2	20191209	Cloudy	Moderate	Mid-Ebb	S	1	10:51	7.06	8.35	30.34	21.43	2.98	7	114	0.154	SW
CR2	20191209	Cloudy	Moderate	Mid-Ebb	S	1	10:51	7.81	7.95	30.5	21.37	2.7	7	114	0.213	NW
F1A	20191209	Cloudy	Moderate	Mid-Ebb	B	7.3	9:07	7.89	8.27	30.63	21.12	2.7	7	113	0.215	SW
F1A	20191209	Cloudy	Moderate	Mid-Ebb	B	7.3	9:07	7.76	8.25	30.79	21.15	2.38	6	114	0.273	SW
F1A	20191209	Cloudy	Moderate	Mid-Ebb	M	4.15	9:08	7.12	8.07	30.53	21.45	2.58	6	113	0.212	W
F1A	20191209	Cloudy	Moderate	Mid-Ebb	M	4.15	9:08	7.31	8.34	30.83	21.45	2.95	7	113	0.206	W
F1A	20191209	Cloudy	Moderate	Mid-Ebb	S	1	9:09	7.45	8.16	30.24	21.19	3.25	6	113	0.281	NW
F1A	20191209	Cloudy	Moderate	Mid-Ebb	S	1	9:09	7.4	8.24	30.76	21.45	3.1	6	114	0.22	NW
H1	20191209	Cloudy	Moderate	Mid-Ebb	B	7.2	10:23	7.79	8.32	30.27	21.51	2.77	8	113	0.208	W
H1	20191209	Cloudy	Moderate	Mid-Ebb	B	7.2	10:23	7.07	8.12	30.76	21.36	2.42	8	114	0.291	SW
H1	20191209	Cloudy	Moderate	Mid-Ebb	M	4.1	10:24	7.59	8.35	30.71	21.28	2.91	8	113	0.205	SW
H1	20191209	Cloudy	Moderate	Mid-Ebb	M	4.1	10:24	7.78	8.05	30.68	21.42	2.98	8	113	0.159	W
H1	20191209	Cloudy	Moderate	Mid-Ebb	S	1	10:25	7.74	8.36	30.41	21.4	3.02	10	113	0.178	W
H1	20191209	Cloudy	Moderate	Mid-Ebb	S	1	10:25	7.13	8.36	30.75	21.38	2.8	10	113	0.187	W
M1	20191209	Cloudy	Moderate	Mid-Ebb	B	6.5	9:32	7.66	8.28	30.67	21.39	2.33	7	113	0.225	W
M1	20191209	Cloudy	Moderate	Mid-Ebb	B	6.5	9:32	7.44	8.29	30.82	21.29	2.32	7	114	0.264	W
M1	20191209	Cloudy	Moderate	Mid-Ebb	M	3.75	9:33	7.24	7.96	30.28	21.5	2.91	7	114	0.282	W
M1	20191209	Cloudy	Moderate	Mid-Ebb	M	3.75	9:33	7.41	8.24	30.73	21.44	2.83	6	113	0.16	W
M1	20191209	Cloudy	Moderate	Mid-Ebb	S	1	9:34	7.78	8.21	30.42	21.34	2.74	6	113	0.286	W
M1	20191209	Cloudy	Moderate	Mid-Ebb	S	1	9:34	7.85	8.35	30.39	21.19	3.06	7	114	0.291	SW
S1	20191209	Cloudy	Moderate	Mid-Ebb	B	4.4	9:25	7.66	8.22	30.45	21.52	2.67	9	113	0.17	SW

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
S1	20191209	Cloudy	Moderate	Mid-Ebb	B	4.4	9:25	7.84	8.35	30.36	21.45	2.66	8	114	0.173	W
S1	20191209	Cloudy	Moderate	Mid-Ebb	S	1	9:26	7.64	8.14	30.58	21.34	2.93	10	114	0.191	W
S1	20191209	Cloudy	Moderate	Mid-Ebb	S	1	9:26	7.64	8.06	30.29	21.43	3.16	9	113	0.249	W
S2A	20191209	Cloudy	Moderate	Mid-Ebb	B	8.2	10:19	7.54	8.04	30.79	21.39	2.6	7	114	0.187	NW
S2A	20191209	Cloudy	Moderate	Mid-Ebb	B	8.2	10:19	7.42	8.02	30.76	21.26	2.39	6	113	0.216	SW
S2A	20191209	Cloudy	Moderate	Mid-Ebb	M	4.6	10:20	7.31	8.07	30.3	21.22	2.81	5	113	0.235	NW
S2A	20191209	Cloudy	Moderate	Mid-Ebb	M	4.6	10:20	7.89	7.98	30.65	21.53	3.05	6	114	0.25	W
S2A	20191209	Cloudy	Moderate	Mid-Ebb	S	1	10:21	7.38	8.33	30.58	21.59	2.94	6	113	0.242	W
S2A	20191209	Cloudy	Moderate	Mid-Ebb	S	1	10:21	7.88	8.01	30.44	21.42	2.68	5	113	0.19	SW
S3	20191209	Cloudy	Moderate	Mid-Ebb	B	9.4	11:00	7.15	7.95	30.29	21.34	2.67	7	114	0.242	NW
S3	20191209	Cloudy	Moderate	Mid-Ebb	B	9.4	11:00	7.88	8.27	30.71	21.49	2.85	8	113	0.209	NW
S3	20191209	Cloudy	Moderate	Mid-Ebb	M	5.2	11:01	7.81	8.05	30.82	21.41	2.57	7	113	0.274	W
S3	20191209	Cloudy	Moderate	Mid-Ebb	M	5.2	11:01	7.51	8.28	30.85	21.26	2.8	8	113	0.169	W
S3	20191209	Cloudy	Moderate	Mid-Ebb	S	1	11:02	7.61	7.95	30.28	21.47	3.05	9	113	0.24	SW
S3	20191209	Cloudy	Moderate	Mid-Ebb	S	1	11:02	7.13	8.15	30.63	21.47	2.91	8	113	0.166	SW
B1	20191209	Cloudy	Moderate	Mid-Flood	B	3.9	15:12	7.79	8.14	30.39	22.98	2.67	6	113	0.175	S
B1	20191209	Cloudy	Moderate	Mid-Flood	B	3.9	15:12	7.41	8.27	30.66	22.95	2.62	6	113	0.195	SE
B1	20191209	Cloudy	Moderate	Mid-Flood	S	1	15:13	7.77	8.26	30.5	23.03	3.12	6	114	0.174	S
B1	20191209	Cloudy	Moderate	Mid-Flood	S	1	15:13	8.09	8.3	30.41	22.87	2.87	6	113	0.227	SE
B2	20191209	Cloudy	Moderate	Mid-Flood	B	4	15:40	8.16	8.22	30.65	22.86	2.59	8	113	0.214	S
B2	20191209	Cloudy	Moderate	Mid-Flood	B	4	15:40	8.14	8.31	30.68	23	3.02	9	113	0.222	S
B2	20191209	Cloudy	Moderate	Mid-Flood	S	1	15:41	7.82	8.15	30.49	23.02	3.13	7	112	0.25	SE
B2	20191209	Cloudy	Moderate	Mid-Flood	S	1	15:41	7.98	8.26	30.36	22.95	2.74	8	113	0.151	S
B3	20191209	Cloudy	Moderate	Mid-Flood	B	4.4	15:15	7.4	8.2	30.44	23.08	2.81	7	112	0.18	SE
B3	20191209	Cloudy	Moderate	Mid-Flood	B	4.4	15:15	7.4	8.22	30.44	22.92	2.67	7	112	0.225	E
B3	20191209	Cloudy	Moderate	Mid-Flood	S	1	15:16	7.71	8.18	30.41	22.94	3.14	7	113	0.198	SE
B3	20191209	Cloudy	Moderate	Mid-Flood	S	1	15:16	7.52	8.28	30.51	22.86	2.91	7	113	0.197	SE
B4	20191209	Cloudy	Moderate	Mid-Flood	B	3.5	15:24	7.65	8.19	30.41	22.81	2.43	7	114	0.213	SE

Contract No. EP/SP/66/12
 Integrated Waste Management Facilities, Phase 1
 Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B4	20191209	Cloudy	Moderate	Mid-Flood	B	3.5	15:24	8.16	8.07	30.52	22.96	2.49	7	113	0.233	S
B4	20191209	Cloudy	Moderate	Mid-Flood	S	1	15:25	7.6	8.33	30.33	22.89	2.83	8	112	0.215	SE
B4	20191209	Cloudy	Moderate	Mid-Flood	S	1	15:25	8.03	8.28	30.42	23.02	2.75	7	113	0.211	SE
C1A	20191209	Cloudy	Moderate	Mid-Flood	B	9	14:44	7.64	8.12	30.65	23.05	2.61	8	113	0.177	SE
C1A	20191209	Cloudy	Moderate	Mid-Flood	B	9	14:44	7.61	8.11	30.46	23.27	2.69	9	113	0.221	E
C1A	20191209	Cloudy	Moderate	Mid-Flood	M	5	14:45	7.38	8.08	30.51	23.15	3.09	10	113	0.158	SE
C1A	20191209	Cloudy	Moderate	Mid-Flood	M	5	14:45	7.69	8.07	30.58	23.3	2.56	10	113	0.244	S
C1A	20191209	Cloudy	Moderate	Mid-Flood	S	1	14:46	8.08	8.25	30.46	23.08	2.81	10	113	0.203	SE
C1A	20191209	Cloudy	Moderate	Mid-Flood	S	1	14:46	7.84	8.32	30.38	23.27	3.19	11	113	0.166	SE
C2A	20191209	Cloudy	Moderate	Mid-Flood	B	11.5	14:35	7.55	8.18	30.53	23.22	2.74	11	113	0.164	SE
C2A	20191209	Cloudy	Moderate	Mid-Flood	B	11.5	14:35	7.88	8.08	30.46	23.19	2.49	10	113	0.243	SE
C2A	20191209	Cloudy	Moderate	Mid-Flood	M	6.25	14:36	7.72	8.09	30.52	23.27	2.8	9	113	0.205	E
C2A	20191209	Cloudy	Moderate	Mid-Flood	M	6.25	14:36	7.78	8.28	30.67	23.23	2.91	10	113	0.199	SE
C2A	20191209	Cloudy	Moderate	Mid-Flood	S	1	14:37	7.75	8.35	30.56	23.22	3.04	9	114	0.199	SE
C2A	20191209	Cloudy	Moderate	Mid-Flood	S	1	14:37	8.14	8.13	30.68	23.06	2.91	10	114	0.175	S
CR1	20191209	Cloudy	Moderate	Mid-Flood	B	12.2	17:28	7.66	8.32	30.3	22.27	2.53	6	113	0.19	S
CR1	20191209	Cloudy	Moderate	Mid-Flood	B	12.2	17:28	7.44	8.3	30.46	22.01	2.54	7	113	0.158	SE
CR1	20191209	Cloudy	Moderate	Mid-Flood	M	6.6	17:29	8.28	8.15	30.31	22.2	2.61	7	113	0.157	S
CR1	20191209	Cloudy	Moderate	Mid-Flood	M	6.6	17:29	8.04	8.08	30.5	22.11	3.12	7	112	0.145	E
CR1	20191209	Cloudy	Moderate	Mid-Flood	S	1	17:30	8.1	8.07	30.46	22.14	2.71	8	114	0.177	SE
CR1	20191209	Cloudy	Moderate	Mid-Flood	S	1	17:30	7.82	8.21	30.44	22.05	3.12	7	112	0.19	SE
CR2	20191209	Cloudy	Moderate	Mid-Flood	B	11.2	16:48	7.57	8.1	30.35	22.64	2.82	9	113	0.144	S
CR2	20191209	Cloudy	Moderate	Mid-Flood	B	11.2	16:48	7.71	8.12	30.62	22.83	2.7	9	113	0.213	SE
CR2	20191209	Cloudy	Moderate	Mid-Flood	M	6.1	16:49	7.32	8.34	30.62	22.66	3.11	8	120	0.198	SE
CR2	20191209	Cloudy	Moderate	Mid-Flood	M	6.1	16:49	7.76	8.13	30.67	22.9	2.97	8	119	0.212	SE
CR2	20191209	Cloudy	Moderate	Mid-Flood	S	1	16:50	8.01	8.24	30.65	22.78	3.25	8	113	0.14	SE
CR2	20191209	Cloudy	Moderate	Mid-Flood	S	1	16:50	7.94	8.1	30.51	22.71	2.93	7	113	0.25	S
F1A	20191209	Cloudy	Moderate	Mid-Flood	B	8	15:53	8.09	8.13	30.59	23.01	2.75	10	113	0.154	E

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
F1A	20191209	Cloudy	Moderate	Mid-Flood	B	8	15:53	7.73	8.19	30.38	23.11	2.62	11	113	0.149	S
F1A	20191209	Cloudy	Moderate	Mid-Flood	M	4.5	15:54	7.86	8.12	30.46	23.06	2.92	10	113	0.205	S
F1A	20191209	Cloudy	Moderate	Mid-Flood	M	4.5	15:54	7.83	8.15	30.41	22.89	3.13	10	114	0.158	SE
F1A	20191209	Cloudy	Moderate	Mid-Flood	S	1	15:55	8.28	8.2	30.35	22.84	2.77	10	114	0.211	SE
F1A	20191209	Cloudy	Moderate	Mid-Flood	S	1	15:55	7.34	8.18	30.4	22.81	2.75	11	113	0.17	S
H1	20191209	Cloudy	Moderate	Mid-Flood	B	7.8	14:57	7.79	8.25	30.4	22.96	2.69	6	113	0.172	S
H1	20191209	Cloudy	Moderate	Mid-Flood	B	7.8	14:57	7.4	8.25	30.49	23.02	2.87	6	113	0.207	SE
H1	20191209	Cloudy	Moderate	Mid-Flood	M	4.4	14:58	8.05	8.31	30.6	22.91	2.96	7	113	0.175	S
H1	20191209	Cloudy	Moderate	Mid-Flood	M	4.4	14:58	7.45	8.27	30.49	23.09	2.66	6	113	0.138	S
H1	20191209	Cloudy	Moderate	Mid-Flood	S	1	14:59	7.41	8.06	30.5	23.04	3.22	7	113	0.188	E
H1	20191209	Cloudy	Moderate	Mid-Flood	S	1	14:59	7.8	8.3	30.5	22.9	3.05	7	112	0.222	SE
M1	20191209	Cloudy	Moderate	Mid-Flood	B	8.2	16:17	7.63	8.31	30.55	22.72	2.92	9	114	0.147	S
M1	20191209	Cloudy	Moderate	Mid-Flood	B	8.2	16:17	7.91	8.26	30.42	22.94	2.58	8	113	0.196	S
M1	20191209	Cloudy	Moderate	Mid-Flood	M	4.6	16:18	7.45	8.2	30.61	22.77	3.05	8	114	0.173	S
M1	20191209	Cloudy	Moderate	Mid-Flood	M	4.6	16:18	8.26	8.08	30.48	22.88	2.83	9	113	0.25	S
M1	20191209	Cloudy	Moderate	Mid-Flood	S	1	16:19	7.9	8.24	30.64	22.9	2.83	9	114	0.248	SE
M1	20191209	Cloudy	Moderate	Mid-Flood	S	1	16:19	7.61	8.06	30.53	22.95	3	9	116	0.178	E
S1	20191209	Cloudy	Moderate	Mid-Flood	B	3.8	15:27	7.71	8.26	30.32	22.88	2.48	8	113	0.225	SE
S1	20191209	Cloudy	Moderate	Mid-Flood	B	3.8	15:27	8.13	8.07	30.4	22.92	2.48	8	113	0.163	SE
S1	20191209	Cloudy	Moderate	Mid-Flood	S	1	15:28	7.32	8.2	30.35	22.9	2.92	7	113	0.17	SE
S1	20191209	Cloudy	Moderate	Mid-Flood	S	1	15:28	7.82	8.3	30.69	22.98	2.98	8	114	0.245	S
S2A	20191209	Cloudy	Moderate	Mid-Flood	B	8	16:21	7.44	8.23	30.48	22.75	2.52	7	113	0.168	S
S2A	20191209	Cloudy	Moderate	Mid-Flood	B	8	16:21	7.74	8.25	30.63	22.8	2.89	8	113	0.216	S
S2A	20191209	Cloudy	Moderate	Mid-Flood	M	4.5	16:22	8.07	8.19	30.43	22.98	3.03	7	114	0.162	SE
S2A	20191209	Cloudy	Moderate	Mid-Flood	M	4.5	16:22	7.64	8.15	30.36	22.98	2.79	8	113	0.164	S
S2A	20191209	Cloudy	Moderate	Mid-Flood	S	1	16:23	7.47	8.32	30.68	22.93	2.77	8	113	0.207	E
S2A	20191209	Cloudy	Moderate	Mid-Flood	S	1	16:23	8.09	8.06	30.35	23	3.22	9	113	0.155	SE
S3	20191209	Cloudy	Moderate	Mid-Flood	B	10.1	17:01	8.26	8.21	30.54	22.36	2.52	10	112	0.176	SE

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
S3	20191209	Cloudy	Moderate	Mid-Flood	B	10.1	17:01	7.6	8.26	30.51	22.35	2.75	9	113	0.248	S
S3	20191209	Cloudy	Moderate	Mid-Flood	M	5.55	17:02	7.47	8.06	30.45	22.46	2.71	8	113	0.181	SE
S3	20191209	Cloudy	Moderate	Mid-Flood	M	5.55	17:02	8.27	8.23	30.49	22.32	2.87	8	113	0.217	SE
S3	20191209	Cloudy	Moderate	Mid-Flood	S	1	17:03	7.82	8.19	30.46	22.57	2.78	8	112	0.159	SE
S3	20191209	Cloudy	Moderate	Mid-Flood	S	1	17:03	8.2	8.28	30.55	22.54	3.21	8	113	0.14	S
B1	20191211	Sunny	Moderate	Mid-Ebb	B	4.1	10:43	7.62	8.13	29.38	22.46	3.45	3	113	0.163	S
B1	20191211	Sunny	Moderate	Mid-Ebb	B	4.1	10:43	7.84	8.32	29.39	22.29	4.02	2	113	0.095	SE
B1	20191211	Sunny	Moderate	Mid-Ebb	S	1	10:44	7.58	8.12	29.66	22.41	4.09	2	114	0.229	SE
B1	20191211	Sunny	Moderate	Mid-Ebb	S	1	10:44	7.6	8.32	29.32	22.33	3.73	3	113	0.142	SE
B2	20191211	Sunny	Moderate	Mid-Ebb	B	4.4	11:08	7.71	8.21	29.41	22.48	3.73	4	113	0.219	E
B2	20191211	Sunny	Moderate	Mid-Ebb	B	4.4	11:08	7.38	8.22	29.53	22.45	3.74	3	112	0.225	S
B2	20191211	Sunny	Moderate	Mid-Ebb	S	1	11:09	7.39	8.22	29.48	22.57	3.97	2	114	0.126	E
B2	20191211	Sunny	Moderate	Mid-Ebb	S	1	11:09	7.7	8.12	29.39	22.55	4.21	3	113	0.113	S
B3	20191211	Sunny	Moderate	Mid-Ebb	B	4.3	11:39	7.67	8.09	29.3	22.64	3.99	3	113	0.115	S
B3	20191211	Sunny	Moderate	Mid-Ebb	B	4.3	11:39	7.53	8.22	29.41	22.72	3.79	<2	112	0.132	E
B3	20191211	Sunny	Moderate	Mid-Ebb	S	1	11:40	7.72	8.27	29.65	22.58	3.73	2	113	0.132	SE
B3	20191211	Sunny	Moderate	Mid-Ebb	S	1	11:40	7.42	8.2	29.54	22.73	4.13	<2	114	0.194	S
B4	20191211	Sunny	Moderate	Mid-Ebb	B	3.6	11:28	7.67	8.15	29.48	22.64	3.49	3	114	0.205	SE
B4	20191211	Sunny	Moderate	Mid-Ebb	B	3.6	11:28	7.27	8.21	29.68	22.67	3.59	3	114	0.116	S
B4	20191211	Sunny	Moderate	Mid-Ebb	S	1	11:29	7.27	8.23	29.43	22.68	3.96	^{-note 3}	113	0.209	S
B4	20191211	Sunny	Moderate	Mid-Ebb	S	1	11:29	7.86	8.16	29.48	22.73	3.92	4	112	0.194	SE
C1A	20191211	Sunny	Moderate	Mid-Ebb	B	9.5	10:19	7.84	8.06	29.43	22.35	3.51	2	114	0.245	S
C1A	20191211	Sunny	Moderate	Mid-Ebb	B	9.5	10:19	7.15	8.12	29.49	22.12	3.72	<2	114	0.088	SE
C1A	20191211	Sunny	Moderate	Mid-Ebb	M	5.25	10:20	7.24	8.24	29.43	22.37	3.61	3	114	0.162	E
C1A	20191211	Sunny	Moderate	Mid-Ebb	M	5.25	10:20	7.74	8.11	29.41	22.38	3.75	3	114	0.139	SE
C1A	20191211	Sunny	Moderate	Mid-Ebb	S	1	10:21	7.89	8.12	29.6	22.35	4	4	113	0.119	S
C1A	20191211	Sunny	Moderate	Mid-Ebb	S	1	10:21	7.44	8.29	29.42	22.2	3.76	3	113	0.176	SE
C2A	20191211	Sunny	Moderate	Mid-Ebb	B	11.2	12:19	7.24	8.32	29.36	22.81	3.79	3	113	0.252	S

Contract No. EP/SP/66/12
 Integrated Waste Management Facilities, Phase 1
 Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
C2A	20191211	Sunny	Moderate	Mid-Ebb	B	11.2	12:19	7.19	8.33	29.63	22.79	3.92	3	114	0.192	S
C2A	20191211	Sunny	Moderate	Mid-Ebb	M	6.1	12:20	7.68	8.14	29.5	22.91	4.08	3	114	0.226	SE
C2A	20191211	Sunny	Moderate	Mid-Ebb	M	6.1	12:20	7.34	8.27	29.67	22.86	4.01	3	113	0.209	S
C2A	20191211	Sunny	Moderate	Mid-Ebb	S	1	12:21	7.48	8.08	29.42	22.74	3.83	2	113	0.171	SE
C2A	20191211	Sunny	Moderate	Mid-Ebb	S	1	12:21	7.14	8.13	29.33	22.85	4.01	3	114	0.165	S
CR1	20191211	Sunny	Moderate	Mid-Ebb	B	12.1	13:00	7.42	8.07	29.61	22.95	3.54	<2	114	0.172	E
CR1	20191211	Sunny	Moderate	Mid-Ebb	B	12.1	13:00	7.58	8.15	29.42	22.85	3.71	<2	114	0.103	E
CR1	20191211	Sunny	Moderate	Mid-Ebb	M	6.55	13:01	7.72	8.11	29.42	22.83	3.91	3	115	0.237	SE
CR1	20191211	Sunny	Moderate	Mid-Ebb	M	6.55	13:01	7.39	8.32	29.66	22.87	3.76	3	113	0.193	SE
CR1	20191211	Sunny	Moderate	Mid-Ebb	S	1	13:02	7.81	8.2	29.31	22.83	4.15	<2	114	0.153	S
CR1	20191211	Sunny	Moderate	Mid-Ebb	S	1	13:02	7.28	8.15	29.51	22.92	3.94	2	114	0.081	S
CR2	20191211	Sunny	Moderate	Mid-Ebb	B	10.7	12:27	7.34	8.28	29.64	22.88	3.88	2	112	0.203	E
CR2	20191211	Sunny	Moderate	Mid-Ebb	B	10.7	12:27	7.67	8.19	29.58	22.83	3.9	<2	113	0.107	SE
CR2	20191211	Sunny	Moderate	Mid-Ebb	M	5.85	12:28	7.4	8.23	29.31	22.92	3.97	3	113	0.172	SE
CR2	20191211	Sunny	Moderate	Mid-Ebb	M	5.85	12:28	7.88	8.14	29.48	22.86	4.06	<2	113	0.089	SE
CR2	20191211	Sunny	Moderate	Mid-Ebb	S	1	12:29	7.44	8.3	29.46	22.91	4.47	<2	114	0.208	S
CR2	20191211	Sunny	Moderate	Mid-Ebb	S	1	12:29	7.78	8.16	29.4	22.84	4.2	3	114	0.149	SE
F1A	20191211	Sunny	Moderate	Mid-Ebb	B	7.7	11:00	7.58	8.16	29.54	22.45	3.57	<2	113	0.174	S
F1A	20191211	Sunny	Moderate	Mid-Ebb	B	7.7	11:00	7.59	8.33	29.53	22.59	3.88	<2	113	0.163	S
F1A	20191211	Sunny	Moderate	Mid-Ebb	M	4.35	11:01	7.79	8.15	29.32	22.37	3.62	2	114	0.172	SE
F1A	20191211	Sunny	Moderate	Mid-Ebb	M	4.35	11:01	7.35	8.29	29.53	22.43	3.82	3	114	0.172	SE
F1A	20191211	Sunny	Moderate	Mid-Ebb	S	1	11:02	7.62	8.14	29.52	22.56	3.71	2	114	0.227	E
F1A	20191211	Sunny	Moderate	Mid-Ebb	S	1	11:02	7.15	8.08	29.35	22.42	4.2	3	113	0.186	S
H1	20191211	Sunny	Moderate	Mid-Ebb	B	8	11:57	7.13	8.33	29.43	22.53	3.54	3	113	0.223	SE
H1	20191211	Sunny	Moderate	Mid-Ebb	B	8	11:57	7.64	8.24	29.49	22.54	4.02	<2	113	0.215	SE
H1	20191211	Sunny	Moderate	Mid-Ebb	M	4.5	11:58	7.79	8.11	29.52	22.7	3.64	4	114	0.14	SE
H1	20191211	Sunny	Moderate	Mid-Ebb	M	4.5	11:58	7.27	8.25	29.37	22.53	3.96	2	113	0.162	SE
H1	20191211	Sunny	Moderate	Mid-Ebb	S	1	11:59	7.35	8.18	29.61	22.63	4.08	2	114	0.197	SE

Contract No. EP/SP/66/12
 Integrated Waste Management Facilities, Phase 1
 Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
H1	20191211	Sunny	Moderate	Mid-Ebb	S	1	11:59	7.33	8.32	29.47	22.7	4.07	4	114	0.212	S
M1	20191211	Sunny	Moderate	Mid-Ebb	B	8.5	10:27	7.46	8.31	29.42	22.27	3.6	<2	113	0.085	S
M1	20191211	Sunny	Moderate	Mid-Ebb	B	8.5	10:27	7.83	8.33	29.45	22.35	4	<2	113	0.237	SE
M1	20191211	Sunny	Moderate	Mid-Ebb	M	4.75	10:28	7.86	8.1	29.46	22.31	3.92	2	114	0.136	E
M1	20191211	Sunny	Moderate	Mid-Ebb	M	4.75	10:28	7.14	8.29	29.6	22.29	3.74	3	112	0.134	SE
M1	20191211	Sunny	Moderate	Mid-Ebb	S	1	10:29	7.45	8.27	29.33	22.37	3.82	<2	113	0.177	SE
M1	20191211	Sunny	Moderate	Mid-Ebb	S	1	10:29	7.62	8.16	29.32	22.13	3.76	2	114	0.14	SE
S1	20191211	Sunny	Moderate	Mid-Ebb	B	4.1	10:55	7.34	8.26	29.48	22.42	3.49	<2	114	0.113	SE
S1	20191211	Sunny	Moderate	Mid-Ebb	B	4.1	10:55	7.44	8.33	29.53	22.54	3.96	2	114	0.121	SE
S1	20191211	Sunny	Moderate	Mid-Ebb	S	1	10:56	7.36	8.1	29.43	22.56	4.2	2	114	0.175	E
S1	20191211	Sunny	Moderate	Mid-Ebb	S	1	10:56	7.32	8.2	29.57	22.51	4.16	3	113	0.123	SE
S2A	20191211	Sunny	Moderate	Mid-Ebb	B	7.8	11:55	7.13	8.28	29.36	22.67	3.89	2	113	0.106	SE
S2A	20191211	Sunny	Moderate	Mid-Ebb	B	7.8	11:55	7.81	8.16	29.57	22.7	3.47	2	113	0.185	SE
S2A	20191211	Sunny	Moderate	Mid-Ebb	M	4.4	11:56	7.23	8.08	29.43	22.6	4.09	4	113	0.152	SE
S2A	20191211	Sunny	Moderate	Mid-Ebb	M	4.4	11:56	7.79	8.22	29.4	22.51	3.8	2	113	0.128	S
S2A	20191211	Sunny	Moderate	Mid-Ebb	S	1	11:57	7.62	8.14	29.59	22.62	3.71	2	113	0.164	SE
S2A	20191211	Sunny	Moderate	Mid-Ebb	S	1	11:57	7.46	8.21	29.45	22.56	4.18	2	113	0.094	SE
S3	20191211	Sunny	Moderate	Mid-Ebb	B	10.5	12:37	7.4	8.26	29.31	22.83	4.14	<2	113	0.164	S
S3	20191211	Sunny	Moderate	Mid-Ebb	B	10.5	12:37	7.41	8.09	29.49	22.88	3.78	3	114	0.138	SE
S3	20191211	Sunny	Moderate	Mid-Ebb	M	5.75	12:38	7.66	8.26	29.7	22.8	4.39	<2	113	0.119	S
S3	20191211	Sunny	Moderate	Mid-Ebb	M	5.75	12:38	7.54	8.26	29.45	22.71	4.19	3	113	0.189	E
S3	20191211	Sunny	Moderate	Mid-Ebb	S	1	12:39	7.19	8.11	29.68	22.91	4.53	3	113	0.097	E
S3	20191211	Sunny	Moderate	Mid-Ebb	S	1	12:39	7.16	8.14	29.44	22.9	4.45	2	113	0.236	S
B1	20191211	Sunny	Moderate	Mid-Flood	B	4	15:44	7.72	7.85	29.34	23.03	3.56	3	112	0.168	W
B1	20191211	Sunny	Moderate	Mid-Flood	B	4	15:44	7.39	7.95	29.31	22.92	3.46	3	113	0.196	W
B1	20191211	Sunny	Moderate	Mid-Flood	S	1	15:45	7.7	8.18	29.49	23.08	3.9	3	114	0.284	W
B1	20191211	Sunny	Moderate	Mid-Flood	S	1	15:45	8.07	7.89	29.76	22.93	4.18	2	113	0.232	NW
B2	20191211	Sunny	Moderate	Mid-Flood	B	3.4	16:09	7.8	8.32	29.81	22.9	3.47	2	114	0.225	W

Contract No. EP/SP/66/12
 Integrated Waste Management Facilities, Phase 1
 Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B2	20191211	Sunny	Moderate	Mid-Flood	B	3.4	16:09	7.76	7.95	29.32	22.91	3.78	<2	112	0.135	NW
B2	20191211	Sunny	Moderate	Mid-Flood	S	1	16:10	7.81	8.08	29.68	22.86	3.85	2	113	0.232	W
B2	20191211	Sunny	Moderate	Mid-Flood	S	1	16:10	8.09	8.02	29.78	22.83	3.93	<2	114	0.211	W
B3	20191211	Sunny	Moderate	Mid-Flood	B	3.3	17:00	7.82	8.04	29.24	22.65	3.76	3	112	0.174	NW
B3	20191211	Sunny	Moderate	Mid-Flood	B	3.3	17:00	7.65	7.89	29.48	22.62	3.41	2	113	0.166	NW
B3	20191211	Sunny	Moderate	Mid-Flood	S	1	17:01	7.63	8.24	29.32	22.66	3.69	3	114	0.17	SW
B3	20191211	Sunny	Moderate	Mid-Flood	S	1	17:01	8.07	8.36	29.29	22.68	3.85	<2	112	0.162	SW
B4	20191211	Sunny	Moderate	Mid-Flood	B	4.3	16:47	8.03	8.08	29.62	22.87	3.73	2	113	0.226	W
B4	20191211	Sunny	Moderate	Mid-Flood	B	4.3	16:47	7.68	8.22	29.62	22.83	3.32	4	112	0.2	W
B4	20191211	Sunny	Moderate	Mid-Flood	S	1	16:48	7.41	8.23	29.7	22.71	3.79	2	113	0.156	W
B4	20191211	Sunny	Moderate	Mid-Flood	S	1	16:48	7.88	8.25	29.56	22.84	4.09	3	112	0.277	W
C1A	20191211	Sunny	Moderate	Mid-Flood	B	9.4	15:22	7.39	7.93	29.68	23.08	3.41	5	113	0.269	W
C1A	20191211	Sunny	Moderate	Mid-Flood	B	9.4	15:22	7.92	8.37	29.38	23.14	3.88	4	113	0.127	SW
C1A	20191211	Sunny	Moderate	Mid-Flood	M	5.2	15:23	7.93	8.02	29.27	23.02	3.72	4	113	0.253	SW
C1A	20191211	Sunny	Moderate	Mid-Flood	M	5.2	15:23	7.78	8.32	29.85	23.09	3.92	3	113	0.255	W
C1A	20191211	Sunny	Moderate	Mid-Flood	S	1	15:24	8.04	8.37	29.56	23.11	3.71	3	112	0.279	W
C1A	20191211	Sunny	Moderate	Mid-Flood	S	1	15:24	7.73	8.01	29.5	23.05	3.84	<2	112	0.18	W
C2A	20191211	Sunny	Moderate	Mid-Flood	B	10.7	15:19	7.46	8.34	29.61	23.04	3.38	3	113	0.146	NW
C2A	20191211	Sunny	Moderate	Mid-Flood	B	10.7	15:19	8.01	8.31	29.37	23	3.89	3	113	0.227	W
C2A	20191211	Sunny	Moderate	Mid-Flood	M	5.85	15:20	8.06	8.28	29.38	23.2	3.83	3	113	0.255	SW
C2A	20191211	Sunny	Moderate	Mid-Flood	M	5.85	15:20	7.37	7.97	29.4	23.11	3.87	3	113	0.282	NW
C2A	20191211	Sunny	Moderate	Mid-Flood	S	1	15:21	7.98	8.26	29.48	23.14	3.75	3	114	0.212	W
C2A	20191211	Sunny	Moderate	Mid-Flood	S	1	15:21	7.52	7.86	29.79	23.06	4.14	3	112	0.205	W
CR1	20191211	Sunny	Moderate	Mid-Flood	B	11.1	17:59	8.08	8.09	29.57	22.44	3.71	3	113	0.286	SW
CR1	20191211	Sunny	Moderate	Mid-Flood	B	11.1	17:59	7.57	8.04	29.29	22.36	3.8	4	114	0.163	W
CR1	20191211	Sunny	Moderate	Mid-Flood	M	6.05	18:00	7.4	8.12	29.68	22.45	4.03	3	113	0.281	SW
CR1	20191211	Sunny	Moderate	Mid-Flood	M	6.05	18:00	7.86	8.21	29.2	22.54	3.7	3	113	0.257	W
CR1	20191211	Sunny	Moderate	Mid-Flood	S	1	18:01	7.41	8.19	29.73	22.45	4.11	<2	113	0.238	W

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
CR1	20191211	Sunny	Moderate	Mid-Flood	S	1	18:01	7.55	8.27	29.25	22.51	3.95	3	114	0.152	NW
CR2	20191211	Sunny	Moderate	Mid-Flood	B	9.7	17:28	7.64	7.89	29.52	22.61	4.17	4	113	0.213	SW
CR2	20191211	Sunny	Moderate	Mid-Flood	B	9.7	17:28	7.39	7.94	29.33	22.65	4.18	4	114	0.158	NW
CR2	20191211	Sunny	Moderate	Mid-Flood	M	5.35	17:29	7.54	7.91	29.4	22.54	3.92	3	114	0.275	SW
CR2	20191211	Sunny	Moderate	Mid-Flood	M	5.35	17:29	7.93	8.03	29.27	22.58	3.91	4	113	0.22	W
CR2	20191211	Sunny	Moderate	Mid-Flood	S	1	17:30	7.98	8.36	29.52	22.44	4.19	4	114	0.133	W
CR2	20191211	Sunny	Moderate	Mid-Flood	S	1	17:30	7.54	8.19	29.33	22.52	3.98	4	113	0.158	NW
F1A	20191211	Sunny	Moderate	Mid-Flood	B	7.6	16:24	7.48	8.29	29.25	22.93	3.91	2	114	0.278	SW
F1A	20191211	Sunny	Moderate	Mid-Flood	B	7.6	16:24	7.82	7.93	29.44	22.91	3.49	2	113	0.15	W
F1A	20191211	Sunny	Moderate	Mid-Flood	M	4.3	16:25	7.67	8.12	29.58	22.82	3.76	3	113	0.235	NW
F1A	20191211	Sunny	Moderate	Mid-Flood	M	4.3	16:25	7.46	8.37	29.85	22.83	4.02	2	113	0.262	W
F1A	20191211	Sunny	Moderate	Mid-Flood	S	1	16:26	7.68	8.22	29.71	22.91	4.09	<2	113	0.2	W
F1A	20191211	Sunny	Moderate	Mid-Flood	S	1	16:26	7.49	8.36	29.22	22.89	4.02	3	114	0.162	W
H1	20191211	Sunny	Moderate	Mid-Flood	B	7.3	17:19	7.6	8.23	29.82	22.53	3.86	<2	113	0.189	W
H1	20191211	Sunny	Moderate	Mid-Flood	B	7.3	17:19	8.07	8.37	29.64	22.44	3.9	2	113	0.151	W
H1	20191211	Sunny	Moderate	Mid-Flood	M	4.15	17:20	7.4	8.19	29.25	22.63	3.98	2	113	0.127	NW
H1	20191211	Sunny	Moderate	Mid-Flood	M	4.15	17:20	7.9	8.13	29.43	22.61	3.92	3	112	0.159	W
H1	20191211	Sunny	Moderate	Mid-Flood	S	1	17:21	7.82	8.14	29.6	22.69	4.25	2	113	0.254	W
H1	20191211	Sunny	Moderate	Mid-Flood	S	1	17:21	7.35	8.27	29.3	22.7	4.11	3	112	0.282	W
M1	20191211	Sunny	Moderate	Mid-Flood	B	7.5	15:54	7.62	8.3	29.28	22.88	3.76	4	112	0.172	W
M1	20191211	Sunny	Moderate	Mid-Flood	B	7.5	15:54	7.47	8.11	29.63	22.94	3.5	3	112	0.219	W
M1	20191211	Sunny	Moderate	Mid-Flood	M	4.25	15:55	7.87	8.39	29.82	22.85	4.11	4	113	0.252	W
M1	20191211	Sunny	Moderate	Mid-Flood	M	4.25	15:55	7.6	8	29.52	23	3.68	3	113	0.185	W
M1	20191211	Sunny	Moderate	Mid-Flood	S	1	15:56	7.4	8.07	29.48	23.03	4.1	4	113	0.198	W
M1	20191211	Sunny	Moderate	Mid-Flood	S	1	15:56	7.6	8.25	29.36	22.93	3.83	4	114	0.122	W
S1	20191211	Sunny	Moderate	Mid-Flood	B	4	15:56	7.96	8.24	29.33	22.95	3.54	3	113	0.281	W
S1	20191211	Sunny	Moderate	Mid-Flood	B	4	15:56	7.43	7.89	29.54	22.92	3.56	4	113	0.232	W
S1	20191211	Sunny	Moderate	Mid-Flood	S	1	15:57	7.38	8.38	29.4	22.87	3.85	3	113	0.211	SW

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
S1	20191211	Sunny	Moderate	Mid-Flood	S	1	15:57	7.45	8.22	29.27	22.87	3.91	<2	113	0.225	W
S2A	20191211	Sunny	Moderate	Mid-Flood	B	8.4	16:57	7.69	8.08	29.2	22.69	3.75	3	113	0.227	W
S2A	20191211	Sunny	Moderate	Mid-Flood	B	8.4	16:57	8	8.09	29.56	22.54	3.58	4	113	0.269	SW
S2A	20191211	Sunny	Moderate	Mid-Flood	M	4.7	16:58	7.95	8.34	29.63	22.68	3.9	3	113	0.278	SW
S2A	20191211	Sunny	Moderate	Mid-Flood	M	4.7	16:58	7.93	7.9	29.24	22.64	4.03	4	113	0.183	W
S2A	20191211	Sunny	Moderate	Mid-Flood	S	1	16:59	7.8	7.9	29.6	22.6	3.69	3	113	0.266	W
S2A	20191211	Sunny	Moderate	Mid-Flood	S	1	16:59	7.39	8.25	29.55	22.62	3.86	3	113	0.275	W
S3	20191211	Sunny	Moderate	Mid-Flood	B	8.1	17:38	8.01	8.22	29.76	22.54	4.07	3	114	0.202	W
S3	20191211	Sunny	Moderate	Mid-Flood	B	8.1	17:38	7.49	7.89	29.52	22.42	4.19	4	114	0.261	NW
S3	20191211	Sunny	Moderate	Mid-Flood	M	4.55	17:39	7.47	8.16	29.41	22.48	4.32	3	114	0.139	W
S3	20191211	Sunny	Moderate	Mid-Flood	M	4.55	17:39	7.82	7.89	29.79	22.55	4.16	4	112	0.152	SW
S3	20191211	Sunny	Moderate	Mid-Flood	S	1	17:40	8.05	7.89	29.72	22.44	4.03	3	114	0.215	NW
S3	20191211	Sunny	Moderate	Mid-Flood	S	1	17:40	8	8.24	29.79	22.43	4.52	2	113	0.252	W
B1	20191213	Cloudy	Moderate	Mid-Ebb	B	3.7	11:30	8.31	8.16	30.47	22.41	2.72	9	113	0.132	SE
B1	20191213	Cloudy	Moderate	Mid-Ebb	B	3.7	11:30	7.92	8.17	30.48	22.55	2.5	10	114	0.083	S
B1	20191213	Cloudy	Moderate	Mid-Ebb	S	1	11:31	8.06	8.25	30.41	22.33	3.02	9	114	0.144	S
B1	20191213	Cloudy	Moderate	Mid-Ebb	S	1	11:31	8.27	7.97	30.38	22.51	3.15	8	113	0.097	SE
B2	20191213	Cloudy	Moderate	Mid-Ebb	B	4.4	11:53	7.8	8.09	30.38	22.59	2.52	9	113	0.183	S
B2	20191213	Cloudy	Moderate	Mid-Ebb	B	4.4	11:53	7.73	8.09	30.3	22.45	2.97	8	113	0.182	S
B2	20191213	Cloudy	Moderate	Mid-Ebb	S	1	11:54	8.07	7.97	30.65	22.64	3.13	11	113	0.121	S
B2	20191213	Cloudy	Moderate	Mid-Ebb	S	1	11:54	7.74	8.01	30.53	22.37	3.02	11	113	0.228	S
B3	20191213	Cloudy	Moderate	Mid-Ebb	B	4.2	12:20	8.01	8.26	30.64	22.61	2.56	11	114	0.113	E
B3	20191213	Cloudy	Moderate	Mid-Ebb	B	4.2	12:20	7.78	8.16	30.58	22.6	2.6	10	114	0.197	S
B3	20191213	Cloudy	Moderate	Mid-Ebb	S	1	12:21	8.38	7.98	30.43	22.68	2.96	10	113	0.246	SE
B3	20191213	Cloudy	Moderate	Mid-Ebb	S	1	12:21	8.3	8.05	30.67	22.59	2.86	11	113	0.097	E
B4	20191213	Cloudy	Moderate	Mid-Ebb	B	3.3	12:09	8.25	7.96	30.52	22.53	2.75	7	114	0.199	SE
B4	20191213	Cloudy	Moderate	Mid-Ebb	B	3.3	12:09	8.23	8.27	30.43	22.51	2.57	6	114	0.141	S
B4	20191213	Cloudy	Moderate	Mid-Ebb	S	1	12:10	8.3	8.09	30.7	22.53	2.81	12	114	0.182	SE

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B4	20191213	Cloudy	Moderate	Mid-Ebb	S	1	12:10	8.14	8.21	30.55	22.6	3.2	11	113	0.163	SE
C1A	20191213	Cloudy	Moderate	Mid-Ebb	B	9.6	11:05	8.02	7.96	30.5	22.49	2.95	11	113	0.115	S
C1A	20191213	Cloudy	Moderate	Mid-Ebb	B	9.6	11:05	8.36	8.26	30.63	22.46	2.65	12	114	0.128	E
C1A	20191213	Cloudy	Moderate	Mid-Ebb	M	5.3	11:06	8.24	8.28	30.31	22.32	2.98	9	113	0.137	SE
C1A	20191213	Cloudy	Moderate	Mid-Ebb	M	5.3	11:06	7.88	8.21	30.39	22.31	2.9	9	114	0.152	S
C1A	20191213	Cloudy	Moderate	Mid-Ebb	S	1	11:07	8.06	8.16	30.55	22.43	2.99	10	114	0.216	SE
C1A	20191213	Cloudy	Moderate	Mid-Ebb	S	1	11:07	8.13	8.17	30.3	22.51	3.23	9	114	0.212	S
C2A	20191213	Cloudy	Moderate	Mid-Ebb	B	11.5	13:01	8.06	8.02	30.61	22.83	2.82	9	113	0.215	S
C2A	20191213	Cloudy	Moderate	Mid-Ebb	B	11.5	13:01	7.89	8.27	30.67	22.75	2.92	9	113	0.09	SE
C2A	20191213	Cloudy	Moderate	Mid-Ebb	M	6.25	13:02	8.25	8.16	30.52	22.58	2.74	8	114	0.201	SE
C2A	20191213	Cloudy	Moderate	Mid-Ebb	M	6.25	13:02	7.78	8.04	30.66	22.83	2.68	9	114	0.171	S
C2A	20191213	Cloudy	Moderate	Mid-Ebb	S	1	13:03	7.94	8.21	30.38	22.85	3.14	8	113	0.155	S
C2A	20191213	Cloudy	Moderate	Mid-Ebb	S	1	13:03	7.84	8.27	30.53	22.62	2.94	9	113	0.221	S
CR1	20191213	Cloudy	Moderate	Mid-Ebb	B	12.7	13:42	8.25	8.29	30.44	22.82	2.57	12	114	0.188	E
CR1	20191213	Cloudy	Moderate	Mid-Ebb	B	12.7	13:42	8.09	8.2	30.43	22.75	2.83	12	113	0.169	SE
CR1	20191213	Cloudy	Moderate	Mid-Ebb	M	6.85	13:43	8.12	8	30.66	22.91	2.72	11	114	0.122	S
CR1	20191213	Cloudy	Moderate	Mid-Ebb	M	6.85	13:43	7.91	8.11	30.62	23	2.95	10	114	0.078	E
CR1	20191213	Cloudy	Moderate	Mid-Ebb	S	1	13:44	8.07	8.02	30.48	22.94	2.67	10	114	0.134	S
CR1	20191213	Cloudy	Moderate	Mid-Ebb	S	1	13:44	7.91	8.1	30.47	22.89	2.74	10	114	0.159	SE
CR2	20191213	Cloudy	Moderate	Mid-Ebb	B	10.9	13:02	8.07	8.07	30.63	22.87	2.65	10	114	0.121	SE
CR2	20191213	Cloudy	Moderate	Mid-Ebb	B	10.9	13:02	7.92	8.14	30.61	22.86	2.96	9	114	0.112	SE
CR2	20191213	Cloudy	Moderate	Mid-Ebb	M	5.95	13:03	8.04	8.13	30.37	22.84	2.82	11	114	0.2	E
CR2	20191213	Cloudy	Moderate	Mid-Ebb	M	5.95	13:03	7.83	8.09	30.31	22.62	2.97	10	113	0.187	SE
CR2	20191213	Cloudy	Moderate	Mid-Ebb	S	1	13:04	8.34	7.99	30.3	22.72	3.05	11	114	0.096	SE
CR2	20191213	Cloudy	Moderate	Mid-Ebb	S	1	13:04	8.22	7.97	30.66	22.82	3.01	10	114	0.237	S
F1A	20191213	Cloudy	Moderate	Mid-Ebb	B	8	11:39	7.97	8.24	30.51	22.43	2.56	10	113	0.079	S
F1A	20191213	Cloudy	Moderate	Mid-Ebb	B	8	11:39	8.33	8.05	30.47	22.53	2.98	11	114	0.081	SE
F1A	20191213	Cloudy	Moderate	Mid-Ebb	M	4.5	11:40	7.9	8.26	30.61	22.35	2.88	8	113	0.201	S

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
F1A	20191213	Cloudy	Moderate	Mid-Ebb	M	4.5	11:40	7.82	8.14	30.44	22.33	2.66	8	113	0.081	SE
F1A	20191213	Cloudy	Moderate	Mid-Ebb	S	1	11:41	7.98	8.06	30.31	22.47	2.92	8	113	0.111	SE
F1A	20191213	Cloudy	Moderate	Mid-Ebb	S	1	11:41	8.01	8.02	30.58	22.51	2.97	9	114	0.081	E
H1	20191213	Cloudy	Moderate	Mid-Ebb	B	7.1	12:39	7.72	7.98	30.66	22.52	2.95	9	113	0.228	SE
H1	20191213	Cloudy	Moderate	Mid-Ebb	B	7.1	12:39	7.76	8.27	30.51	22.48	2.52	8	114	0.17	S
H1	20191213	Cloudy	Moderate	Mid-Ebb	M	4.05	12:40	8.12	8.26	30.59	22.45	3.08	10	113	0.217	SE
H1	20191213	Cloudy	Moderate	Mid-Ebb	M	4.05	12:40	8.22	8.16	30.69	22.72	2.94	9	113	0.16	SE
H1	20191213	Cloudy	Moderate	Mid-Ebb	S	1	12:41	8.03	7.99	30.46	22.62	2.86	9	113	0.153	E
H1	20191213	Cloudy	Moderate	Mid-Ebb	S	1	12:41	8.35	8.17	30.32	22.76	3.07	8	113	0.248	SE
M1	20191213	Cloudy	Moderate	Mid-Ebb	B	7.9	11:08	8.36	8.26	30.48	22.49	2.96	7	113	0.134	S
M1	20191213	Cloudy	Moderate	Mid-Ebb	B	7.9	11:08	8.39	8.01	30.3	22.39	2.92	8	114	0.178	E
M1	20191213	Cloudy	Moderate	Mid-Ebb	M	4.45	11:09	7.98	8.21	30.62	22.43	3.01	7	114	0.119	S
M1	20191213	Cloudy	Moderate	Mid-Ebb	M	4.45	11:09	7.8	8.06	30.31	22.43	3.11	8	113	0.09	SE
M1	20191213	Cloudy	Moderate	Mid-Ebb	S	1	11:10	8.17	8.11	30.68	22.38	2.85	9	113	0.183	S
M1	20191213	Cloudy	Moderate	Mid-Ebb	S	1	11:10	8.05	8.07	30.59	22.53	3.17	10	114	0.239	S
S1	20191213	Cloudy	Moderate	Mid-Ebb	B	4.5	11:43	8.08	8.24	30.7	22.53	2.83	10	113	0.165	S
S1	20191213	Cloudy	Moderate	Mid-Ebb	B	4.5	11:43	8.27	8.03	30.67	22.34	2.92	10	114	0.246	S
S1	20191213	Cloudy	Moderate	Mid-Ebb	S	1	11:44	7.92	8.26	30.7	22.54	2.82	11	114	0.099	E
S1	20191213	Cloudy	Moderate	Mid-Ebb	S	1	11:44	7.98	8.25	30.6	22.56	2.9	10	113	0.221	E
S2A	20191213	Cloudy	Moderate	Mid-Ebb	B	8.1	12:30	7.84	8.05	30.7	22.73	2.81	10	114	0.224	S
S2A	20191213	Cloudy	Moderate	Mid-Ebb	B	8.1	12:30	8.1	8.05	30.31	22.74	2.61	9	113	0.083	SE
S2A	20191213	Cloudy	Moderate	Mid-Ebb	M	4.55	12:31	8.37	8.08	30.56	22.71	2.95	11	113	0.198	SE
S2A	20191213	Cloudy	Moderate	Mid-Ebb	M	4.55	12:31	8.35	7.96	30.5	22.56	2.59	10	114	0.143	S
S2A	20191213	Cloudy	Moderate	Mid-Ebb	S	1	12:32	8.11	8.29	30.58	22.59	2.74	9	113	0.127	S
S2A	20191213	Cloudy	Moderate	Mid-Ebb	S	1	12:32	8.22	7.99	30.53	22.47	2.99	10	113	0.187	E
S3	20191213	Cloudy	Moderate	Mid-Ebb	B	10.4	13:12	7.89	8.15	30.65	22.77	2.63	7	114	0.235	SE
S3	20191213	Cloudy	Moderate	Mid-Ebb	B	10.4	13:12	7.76	8.03	30.61	22.68	3	8	113	0.182	SE
S3	20191213	Cloudy	Moderate	Mid-Ebb	M	5.7	13:13	7.72	8.21	30.56	22.56	2.86	8	113	0.087	SE

Contract No. EP/SP/66/12
 Integrated Waste Management Facilities, Phase 1
 Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
S3	20191213	Cloudy	Moderate	Mid-Ebb	M	5.7	13:13	8.28	8.21	30.64	22.77	2.97	9	113	0.227	SE
S3	20191213	Cloudy	Moderate	Mid-Ebb	S	1	13:14	7.95	8.15	30.43	22.63	3.23	10	113	0.207	SE
S3	20191213	Cloudy	Moderate	Mid-Ebb	S	1	13:14	8.37	8.22	30.51	22.65	3.08	10	113	0.233	E
B1	20191213	Cloudy	Moderate	Mid-Flood	B	4	15:29	8.51	8.04	30.43	22.67	2.76	8	113	0.145	W
B1	20191213	Cloudy	Moderate	Mid-Flood	B	4	15:29	8.33	8.26	30.27	22.68	2.51	7	113	0.17	W
B1	20191213	Cloudy	Moderate	Mid-Flood	S	1	15:30	8.56	8.19	30.57	22.54	3.1	8	114	0.156	W
B1	20191213	Cloudy	Moderate	Mid-Flood	S	1	15:30	8.5	7.91	30.43	22.67	2.72	8	113	0.146	W
B2	20191213	Cloudy	Moderate	Mid-Flood	B	3.9	15:52	8.29	8.21	30.54	22.64	2.76	8	113	0.282	W
B2	20191213	Cloudy	Moderate	Mid-Flood	B	3.9	15:52	8.56	7.97	30.42	22.53	2.74	8	113	0.244	NW
B2	20191213	Cloudy	Moderate	Mid-Flood	S	1	15:53	8.42	8.02	30.42	22.58	3.15	8	112	0.222	W
B2	20191213	Cloudy	Moderate	Mid-Flood	S	1	15:53	8.11	8.17	30.53	22.64	3.19	9	113	0.178	SW
B3	20191213	Cloudy	Moderate	Mid-Flood	B	3.5	16:41	8.22	8.28	30.46	22.63	2.6	11	112	0.225	W
B3	20191213	Cloudy	Moderate	Mid-Flood	B	3.5	16:41	8.6	7.96	30.25	22.56	2.52	10	112	0.138	W
B3	20191213	Cloudy	Moderate	Mid-Flood	S	1	16:42	8.18	7.98	30.71	22.57	2.92	11	113	0.274	W
B3	20191213	Cloudy	Moderate	Mid-Flood	S	1	16:42	8.39	8.15	30.59	22.47	2.68	12	113	0.258	W
B4	20191213	Cloudy	Moderate	Mid-Flood	B	4	16:31	8.24	8.21	30.54	22.44	2.49	8	114	0.23	SW
B4	20191213	Cloudy	Moderate	Mid-Flood	B	4	16:31	8.5	7.89	30.51	22.45	2.61	9	113	0.203	W
B4	20191213	Cloudy	Moderate	Mid-Flood	S	1	16:32	8.54	7.92	30.58	22.51	2.99	9	112	0.282	W
B4	20191213	Cloudy	Moderate	Mid-Flood	S	1	16:32	8.07	8.09	30.38	22.43	3.05	10	113	0.193	W
C1A	20191213	Cloudy	Moderate	Mid-Flood	B	10.9	15:05	8.43	8.18	30.46	22.62	2.73	8	113	0.198	NW
C1A	20191213	Cloudy	Moderate	Mid-Flood	B	10.9	15:05	8.45	8.26	30.72	22.52	2.6	9	113	0.22	W
C1A	20191213	Cloudy	Moderate	Mid-Flood	M	5.95	15:06	8.44	8.27	30.34	22.63	2.81	7	113	0.242	W
C1A	20191213	Cloudy	Moderate	Mid-Flood	M	5.95	15:06	8.48	8.23	30.51	22.53	3.12	8	113	0.153	NW
C1A	20191213	Cloudy	Moderate	Mid-Flood	S	1	15:07	8.55	7.88	30.41	22.69	2.93	8	113	0.231	W
C1A	20191213	Cloudy	Moderate	Mid-Flood	S	1	15:07	8.58	8.21	30.53	22.55	2.79	7	113	0.219	W
C2A	20191213	Cloudy	Moderate	Mid-Flood	B	10.3	15:04	8.31	8.04	30.31	22.58	2.47	9	113	0.192	W
C2A	20191213	Cloudy	Moderate	Mid-Flood	B	10.3	15:04	8.16	8.24	30.42	22.65	2.63	10	113	0.215	W
C2A	20191213	Cloudy	Moderate	Mid-Flood	M	5.65	15:05	8.05	8.26	30.24	22.63	2.55	9	113	0.219	W

Contract No. EP/SP/66/12
 Integrated Waste Management Facilities, Phase 1
 Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
C2A	20191213	Cloudy	Moderate	Mid-Flood	M	5.65	15:05	8.55	8.13	30.3	22.69	2.64	8	113	0.265	W
C2A	20191213	Cloudy	Moderate	Mid-Flood	S	1	15:06	8.31	8.03	30.25	22.63	3.16	^{-note 3}	114	0.193	W
C2A	20191213	Cloudy	Moderate	Mid-Flood	S	1	15:06	8.59	7.95	30.57	22.74	3.03	9	114	0.204	SW
CR1	20191213	Cloudy	Moderate	Mid-Flood	B	11.4	17:40	8.09	7.95	30.5	22.5	2.56	13	113	0.278	W
CR1	20191213	Cloudy	Moderate	Mid-Flood	B	11.4	17:40	8.37	8.28	30.73	22.48	2.83	12	113	0.152	SW
CR1	20191213	Cloudy	Moderate	Mid-Flood	M	6.2	17:41	8.48	8.21	30.31	22.51	2.78	13	113	0.123	W
CR1	20191213	Cloudy	Moderate	Mid-Flood	M	6.2	17:41	8.48	8.26	30.31	22.45	2.9	13	112	0.291	W
CR1	20191213	Cloudy	Moderate	Mid-Flood	S	1	17:42	8.52	8.14	30.54	22.32	3.11	14	114	0.2	W
CR1	20191213	Cloudy	Moderate	Mid-Flood	S	1	17:42	8.6	8.25	30.47	22.4	2.67	13	112	0.2	SW
CR2	20191213	Cloudy	Moderate	Mid-Flood	B	10.1	17:01	8.24	7.87	30.52	22.34	2.69	10	113	0.203	NW
CR2	20191213	Cloudy	Moderate	Mid-Flood	B	10.1	17:01	8.46	8.1	30.26	22.31	2.68	11	113	0.13	W
CR2	20191213	Cloudy	Moderate	Mid-Flood	M	5.55	17:02	8.08	7.9	30.7	22.4	3	13	120	0.226	SW
CR2	20191213	Cloudy	Moderate	Mid-Flood	M	5.55	17:02	8.59	8.14	30.49	22.36	2.82	12	119	0.273	SW
CR2	20191213	Cloudy	Moderate	Mid-Flood	S	1	17:03	8.6	7.85	30.28	22.35	3.07	12	113	0.222	W
CR2	20191213	Cloudy	Moderate	Mid-Flood	S	1	17:03	8.08	8.24	30.53	22.41	3.11	13	113	0.268	W
F1A	20191213	Cloudy	Moderate	Mid-Flood	B	7.5	16:03	8.42	8.13	30.7	22.43	2.47	10	113	0.275	SW
F1A	20191213	Cloudy	Moderate	Mid-Flood	B	7.5	16:03	8.25	8.07	30.62	22.45	2.64	9	113	0.262	SW
F1A	20191213	Cloudy	Moderate	Mid-Flood	M	4.25	16:04	8.35	7.99	30.34	22.51	2.74	8	113	0.18	W
F1A	20191213	Cloudy	Moderate	Mid-Flood	M	4.25	16:04	8.44	8.04	30.2	22.41	3.02	8	114	0.206	NW
F1A	20191213	Cloudy	Moderate	Mid-Flood	S	1	16:05	8.46	8.13	30.64	22.53	3.17	8	114	0.179	W
F1A	20191213	Cloudy	Moderate	Mid-Flood	S	1	16:05	8.48	7.9	30.6	22.65	3.15	9	113	0.139	NW
H1	20191213	Cloudy	Moderate	Mid-Flood	B	7.6	17:00	8.58	8.22	30.48	22.42	2.45	10	113	0.249	SW
H1	20191213	Cloudy	Moderate	Mid-Flood	B	7.6	17:00	8.37	8.23	30.62	22.56	2.68	9	113	0.138	NW
H1	20191213	Cloudy	Moderate	Mid-Flood	M	4.3	17:01	8.46	8.05	30.52	22.38	2.59	9	113	0.272	W
H1	20191213	Cloudy	Moderate	Mid-Flood	M	4.3	17:01	8.43	7.91	30.42	22.42	2.92	8	113	0.132	SW
H1	20191213	Cloudy	Moderate	Mid-Flood	S	1	17:02	8.29	7.97	30.68	22.31	3.16	9	113	0.126	W
H1	20191213	Cloudy	Moderate	Mid-Flood	S	1	17:02	8.58	7.96	30.62	22.32	2.98	9	112	0.274	SW
M1	20191213	Cloudy	Moderate	Mid-Flood	B	7.4	15:35	8.27	7.85	30.36	22.61	2.53	10	114	0.181	W

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
M1	20191213	Cloudy	Moderate	Mid-Flood	B	7.4	15:35	8.18	7.99	30.54	22.64	2.37	10	113	0.183	W
M1	20191213	Cloudy	Moderate	Mid-Flood	M	4.2	15:36	8.51	8.25	30.59	22.71	3.05	8	114	0.254	W
M1	20191213	Cloudy	Moderate	Mid-Flood	M	4.2	15:36	8.29	8.04	30.75	22.8	2.66	10	113	0.189	NW
M1	20191213	Cloudy	Moderate	Mid-Flood	S	1	15:37	8.4	8.2	30.71	22.58	2.8	12	114	0.185	NW
M1	20191213	Cloudy	Moderate	Mid-Flood	S	1	15:37	8.29	8.07	30.33	22.63	2.73	12	116	0.195	SW
S1	20191213	Cloudy	Moderate	Mid-Flood	B	4.7	15:42	8.46	8.19	30.58	22.62	2.38	11	113	0.277	W
S1	20191213	Cloudy	Moderate	Mid-Flood	B	4.7	15:42	8.11	7.98	30.23	22.6	2.38	12	113	0.161	W
S1	20191213	Cloudy	Moderate	Mid-Flood	S	1	15:43	8.32	7.99	30.42	22.6	3.01	10	113	0.18	NW
S1	20191213	Cloudy	Moderate	Mid-Flood	S	1	15:43	8.48	8.11	30.36	22.67	2.98	9	114	0.228	W
S2A	20191213	Cloudy	Moderate	Mid-Flood	B	8.6	16:30	8.07	8.12	30.54	22.45	2.48	10	113	0.123	NW
S2A	20191213	Cloudy	Moderate	Mid-Flood	B	8.6	16:30	8.32	7.86	30.2	22.37	2.84	11	113	0.192	W
S2A	20191213	Cloudy	Moderate	Mid-Flood	M	4.8	16:31	8.44	8.04	30.42	22.64	3.07	9	114	0.269	SW
S2A	20191213	Cloudy	Moderate	Mid-Flood	M	4.8	16:31	8.1	8.06	30.33	22.62	2.83	10	113	0.275	W
S2A	20191213	Cloudy	Moderate	Mid-Flood	S	1	16:32	8.21	8.12	30.37	22.36	2.93	8	113	0.236	NW
S2A	20191213	Cloudy	Moderate	Mid-Flood	S	1	16:32	8.1	7.9	30.26	22.53	2.71	9	113	0.221	SW
S3	20191213	Cloudy	Moderate	Mid-Flood	B	9.2	17:12	8.36	8.11	30.5	22.45	2.58	12	112	0.162	W
S3	20191213	Cloudy	Moderate	Mid-Flood	B	9.2	17:12	8.46	8.25	30.69	22.36	2.82	12	113	0.175	W
S3	20191213	Cloudy	Moderate	Mid-Flood	M	5.1	17:13	8.56	7.94	30.28	22.45	2.69	10	113	0.256	W
S3	20191213	Cloudy	Moderate	Mid-Flood	M	5.1	17:13	8.54	8.1	30.44	22.35	3.08	9	113	0.14	W
S3	20191213	Cloudy	Moderate	Mid-Flood	S	1	17:14	8.4	7.96	30.4	22.34	3	8	112	0.196	W
S3	20191213	Cloudy	Moderate	Mid-Flood	S	1	17:14	8.38	7.96	30.47	22.35	3.1	10	113	0.212	SW
B1	20191216	Cloudy	Moderate	Mid-Flood	B	4.1	8:50	8.13	8.14	29.32	22.58	3.24	11	113	0.291	NW
B1	20191216	Cloudy	Moderate	Mid-Flood	B	4.1	8:50	7.96	8.17	29.91	22.63	3.05	11	113	0.22	NW
B1	20191216	Cloudy	Moderate	Mid-Flood	S	1	8:51	8.11	8.23	29.2	22.61	2.5	10	114	0.301	W
B1	20191216	Cloudy	Moderate	Mid-Flood	S	1	8:51	8	8.22	29.81	22.3	2.35	11	113	0.278	NW
B2	20191216	Cloudy	Moderate	Mid-Flood	B	4.1	9:13	7.64	8.09	29.29	22.53	3.18	14	113	0.288	W
B2	20191216	Cloudy	Moderate	Mid-Flood	B	4.1	9:13	7.84	8.2	29.61	22.66	3.28	13	113	0.244	W
B2	20191216	Cloudy	Moderate	Mid-Flood	S	1	9:14	7.76	8.05	29.37	22.52	2.4	13	112	0.201	W

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B2	20191216	Cloudy	Moderate	Mid-Flood	S	1	9:14	7.85	8.17	29.66	22.31	2.54	13	113	0.268	W
B3	20191216	Cloudy	Moderate	Mid-Flood	B	3.8	10:15	8.13	8.07	29.51	22.66	3.44	12	112	0.198	NW
B3	20191216	Cloudy	Moderate	Mid-Flood	B	3.8	10:15	7.59	8.2	29.85	22.8	3.29	13	112	0.23	NW
B3	20191216	Cloudy	Moderate	Mid-Flood	S	1	10:16	7.55	8.21	29.22	22.68	2.43	12	113	0.2	NW
B3	20191216	Cloudy	Moderate	Mid-Flood	S	1	10:16	7.88	8.18	29.6	22.54	2.92	11	113	0.205	NW
B4	20191216	Cloudy	Moderate	Mid-Flood	B	4.6	10:06	8.11	8.2	29.31	22.62	3.52	12	114	0.225	NW
B4	20191216	Cloudy	Moderate	Mid-Flood	B	4.6	10:06	8.04	8.21	29.51	22.52	3.48	12	113	0.245	W
B4	20191216	Cloudy	Moderate	Mid-Flood	S	1	10:07	7.71	8.17	29.71	22.59	2.42	10	112	0.238	W
B4	20191216	Cloudy	Moderate	Mid-Flood	S	1	10:07	7.86	8.19	29.49	22.58	2.65	12	113	0.218	NW
C1A	20191216	Cloudy	Moderate	Mid-Flood	B	9.9	8:25	7.61	8.2	29.69	22.27	3.3	8	113	0.294	W
C1A	20191216	Cloudy	Moderate	Mid-Flood	B	9.9	8:25	8.15	8.09	29.62	22.32	3.13	7	113	0.255	W
C1A	20191216	Cloudy	Moderate	Mid-Flood	M	5.45	8:26	7.61	8.2	29.9	22.24	2.83	6	113	0.212	W
C1A	20191216	Cloudy	Moderate	Mid-Flood	M	5.45	8:26	7.85	8.12	29.31	22.34	3.09	5	113	0.209	W
C1A	20191216	Cloudy	Moderate	Mid-Flood	S	1	8:27	7.73	8.2	29.93	22.58	2.54	6	113	0.211	W
C1A	20191216	Cloudy	Moderate	Mid-Flood	S	1	8:27	7.97	8.19	29.45	22.3	2.93	5	113	0.224	W
C2A	20191216	Cloudy	Moderate	Mid-Flood	B	10.3	8:25	7.74	8.09	29.34	22.69	3.39	7	113	0.271	W
C2A	20191216	Cloudy	Moderate	Mid-Flood	B	10.3	8:25	7.76	8.09	29.54	22.51	3.35	8	113	0.24	W
C2A	20191216	Cloudy	Moderate	Mid-Flood	M	5.65	8:26	7.95	8.1	29.52	22.4	2.59	8	113	0.206	W
C2A	20191216	Cloudy	Moderate	Mid-Flood	M	5.65	8:26	7.59	8.11	29.5	22.45	3.09	8	113	0.256	W
C2A	20191216	Cloudy	Moderate	Mid-Flood	S	1	8:27	8.11	8.17	29.39	22.4	2.89	7	114	0.246	NW
C2A	20191216	Cloudy	Moderate	Mid-Flood	S	1	8:27	8.1	8.08	29.95	22.28	2.82	6	114	0.214	W
CR1	20191216	Cloudy	Moderate	Mid-Flood	B	11.6	11:03	8.13	8.17	29.65	22.62	3.25	7	113	0.2	W
CR1	20191216	Cloudy	Moderate	Mid-Flood	B	11.6	11:03	7.64	8.11	29.23	22.86	3.23	6	113	0.239	NW
CR1	20191216	Cloudy	Moderate	Mid-Flood	M	6.3	11:04	7.78	8.19	29.33	22.63	2.96	6	113	0.2	W
CR1	20191216	Cloudy	Moderate	Mid-Flood	M	6.3	11:04	7.72	8.05	29.55	22.65	2.87	6	112	0.203	W
CR1	20191216	Cloudy	Moderate	Mid-Flood	S	1	11:05	8	8.06	29.29	22.69	2.59	7	114	0.279	NW
CR1	20191216	Cloudy	Moderate	Mid-Flood	S	1	11:05	7.72	8.07	29.8	22.9	2.65	7	112	0.275	W
CR2	20191216	Cloudy	Moderate	Mid-Flood	B	9.8	10:17	7.7	8.11	29.51	22.8	3.32	8	113	0.273	W

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
CR2	20191216	Cloudy	Moderate	Mid-Flood	B	9.8	10:17	8.06	8.16	29.4	22.75	3.28	7	113	0.283	W
CR2	20191216	Cloudy	Moderate	Mid-Flood	M	5.4	10:18	7.67	8.15	29.92	22.61	2.87	6	120	0.284	W
CR2	20191216	Cloudy	Moderate	Mid-Flood	M	5.4	10:18	7.61	8.09	29.7	22.72	2.87	5	119	0.254	NW
CR2	20191216	Cloudy	Moderate	Mid-Flood	S	1	10:19	8.1	8.18	29.89	22.6	2.44	6	113	0.29	W
CR2	20191216	Cloudy	Moderate	Mid-Flood	S	1	10:19	7.6	8.22	29.28	22.6	2.54	6	113	0.265	W
F1A	20191216	Cloudy	Moderate	Mid-Flood	B	7.6	9:39	7.94	8.07	29.77	22.72	3.21	8	113	0.298	W
F1A	20191216	Cloudy	Moderate	Mid-Flood	B	7.6	9:39	7.57	8.23	29.46	22.55	3.2	7	113	0.254	W
F1A	20191216	Cloudy	Moderate	Mid-Flood	M	4.3	9:40	8.05	8.17	29.89	22.77	2.92	7	113	0.262	W
F1A	20191216	Cloudy	Moderate	Mid-Flood	M	4.3	9:40	8.18	8.19	29.82	22.43	2.9	6	114	0.209	NW
F1A	20191216	Cloudy	Moderate	Mid-Flood	S	1	9:41	8.06	8.1	29.61	22.57	2.63	7	114	0.202	NW
F1A	20191216	Cloudy	Moderate	Mid-Flood	S	1	9:41	7.66	8.08	29.71	22.66	2.61	7	113	0.213	W
H1	20191216	Cloudy	Moderate	Mid-Flood	B	7.2	10:34	8.01	8.06	29.74	22.82	2.92	8	113	0.213	NW
H1	20191216	Cloudy	Moderate	Mid-Flood	B	7.2	10:34	7.72	8.13	29.75	22.59	3.29	6	113	0.203	W
H1	20191216	Cloudy	Moderate	Mid-Flood	M	4.1	10:35	7.56	8.2	29.95	22.82	2.94	8	113	0.224	W
H1	20191216	Cloudy	Moderate	Mid-Flood	M	4.1	10:35	7.7	8.2	29.77	22.72	2.94	8	113	0.259	NW
H1	20191216	Cloudy	Moderate	Mid-Flood	S	1	10:36	7.62	8.13	29.4	22.8	2.61	12	113	0.218	W
H1	20191216	Cloudy	Moderate	Mid-Flood	S	1	10:36	8.04	8.2	29.81	22.83	2.56	12	112	0.248	W
M1	20191216	Cloudy	Moderate	Mid-Flood	B	7.4	9:06	8.03	8.21	29.2	22.49	3.13	5	114	0.28	W
M1	20191216	Cloudy	Moderate	Mid-Flood	B	7.4	9:06	7.58	8.11	29.88	22.41	3.32	6	113	0.3	W
M1	20191216	Cloudy	Moderate	Mid-Flood	M	4.2	9:07	8.12	8.2	29.28	22.63	3.1	5	114	0.27	W
M1	20191216	Cloudy	Moderate	Mid-Flood	M	4.2	9:07	8.06	8.06	29.66	22.64	3.07	6	113	0.265	W
M1	20191216	Cloudy	Moderate	Mid-Flood	S	1	9:08	8.18	8.07	29.44	22.52	2.59	6	114	0.223	W
M1	20191216	Cloudy	Moderate	Mid-Flood	S	1	9:08	7.79	8.07	29.28	22.49	2.46	7	116	0.296	NW
S1	20191216	Cloudy	Moderate	Mid-Flood	B	4.1	9:02	8.09	8.13	29.69	22.35	3.32	8	113	0.19	W
S1	20191216	Cloudy	Moderate	Mid-Flood	B	4.1	9:02	7.97	8.13	29.27	22.59	3.02	8	113	0.205	W
S1	20191216	Cloudy	Moderate	Mid-Flood	S	1	9:03	7.77	8.1	29.6	22.36	2.53	5	113	0.204	W
S1	20191216	Cloudy	Moderate	Mid-Flood	S	1	9:03	8.16	8.14	29.82	22.35	2.41	6	114	0.239	W
S2A	20191216	Cloudy	Moderate	Mid-Flood	B	8.9	9:41	8.21	8.2	29.79	22.41	3.19	7	113	0.248	W

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
S2A	20191216	Cloudy	Moderate	Mid-Flood	B	8.9	9:41	7.64	8.08	29.55	22.61	3.25	8	113	0.291	W
S2A	20191216	Cloudy	Moderate	Mid-Flood	M	4.95	9:42	7.79	8.19	29.63	22.48	2.85	8	114	0.238	W
S2A	20191216	Cloudy	Moderate	Mid-Flood	M	4.95	9:42	7.9	8.09	29.92	22.4	2.91	8	113	0.199	NW
S2A	20191216	Cloudy	Moderate	Mid-Flood	S	1	9:43	7.85	8.23	29.47	22.69	2.48	7	113	0.217	W
S2A	20191216	Cloudy	Moderate	Mid-Flood	S	1	9:43	8.07	8.19	29.39	22.47	2.63	8	113	0.221	W
S3	20191216	Cloudy	Moderate	Mid-Flood	B	9.8	10:28	7.73	8.14	29.62	22.66	3.07	9	112	0.212	W
S3	20191216	Cloudy	Moderate	Mid-Flood	B	9.8	10:28	8.15	8.12	29.65	22.79	3.23	8	113	0.277	W
S3	20191216	Cloudy	Moderate	Mid-Flood	M	5.4	10:29	7.82	8.05	29.25	22.61	3.07	8	113	0.272	W
S3	20191216	Cloudy	Moderate	Mid-Flood	M	5.4	10:29	7.9	8.2	29.45	22.78	2.83	7	113	0.199	W
S3	20191216	Cloudy	Moderate	Mid-Flood	S	1	10:30	7.93	8.16	29.89	22.81	2.49	6	112	0.239	W
S3	20191216	Cloudy	Moderate	Mid-Flood	S	1	10:30	7.91	8.09	29.28	22.67	2.74	6	113	0.24	W
B1	20191216	Cloudy	Moderate	Mid-Ebb	B	3.7	13:51	8.24	8.2	29.65	23.48	3.42	5	113	0.177	SE
B1	20191216	Cloudy	Moderate	Mid-Ebb	B	3.7	13:51	7.71	8.19	29.71	23.19	3.09	6	114	0.267	E
B1	20191216	Cloudy	Moderate	Mid-Ebb	S	1	13:52	7.96	8.15	29.57	23.5	2.36	5	114	0.213	SE
B1	20191216	Cloudy	Moderate	Mid-Ebb	S	1	13:52	8.29	8.15	29.56	23.13	2.33	4	113	0.231	SE
B2	20191216	Cloudy	Moderate	Mid-Ebb	B	4.6	14:14	8.17	8.17	29.45	23.32	3.4	5	113	0.191	SE
B2	20191216	Cloudy	Moderate	Mid-Ebb	B	4.6	14:14	8.2	8.12	29.61	23.21	3.05	4	113	0.251	SE
B2	20191216	Cloudy	Moderate	Mid-Ebb	S	1	14:15	7.69	8.13	29.48	23.1	2.53	4	113	0.262	E
B2	20191216	Cloudy	Moderate	Mid-Ebb	S	1	14:15	8.17	8.06	29.85	23.26	2.49	3	113	0.149	SE
B3	20191216	Cloudy	Moderate	Mid-Ebb	B	4.5	14:56	8.03	8.22	29.56	23.29	3.28	7	114	0.163	E
B3	20191216	Cloudy	Moderate	Mid-Ebb	B	4.5	14:56	8.1	8.11	29.84	23.04	3.16	8	114	0.175	E
B3	20191216	Cloudy	Moderate	Mid-Ebb	S	1	14:57	7.67	8.03	29.35	23.34	2.58	6	113	0.208	SE
B3	20191216	Cloudy	Moderate	Mid-Ebb	S	1	14:57	7.81	8.15	29.73	23.02	2.93	4	113	0.221	SE
B4	20191216	Cloudy	Moderate	Mid-Ebb	B	3.4	14:45	7.83	8.01	29.5	23.31	3.04	5	114	0.164	SE
B4	20191216	Cloudy	Moderate	Mid-Ebb	B	3.4	14:45	7.98	7.99	29.55	23.24	3.25	6	114	0.258	SE
B4	20191216	Cloudy	Moderate	Mid-Ebb	S	1	14:46	8.14	8.19	29.87	23.04	2.82	8	114	0.247	SE
B4	20191216	Cloudy	Moderate	Mid-Ebb	S	1	14:46	7.72	8.03	29.56	23.15	2.9	8	113	0.138	SE
C1A	20191216	Cloudy	Moderate	Mid-Ebb	B	8.6	13:26	7.96	7.97	29.88	23.39	3.01	5	113	0.243	SE

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
C1A	20191216	Cloudy	Moderate	Mid-Ebb	B	8.6	13:26	8.24	8.04	29.36	23.46	3.44	4	114	0.206	E
C1A	20191216	Cloudy	Moderate	Mid-Ebb	M	4.8	13:27	8.05	8.23	29.82	23.17	2.42	6	113	0.162	SE
C1A	20191216	Cloudy	Moderate	Mid-Ebb	M	4.8	13:27	8.27	8.15	29.67	23.1	2.8	5	114	0.185	SE
C1A	20191216	Cloudy	Moderate	Mid-Ebb	S	1	13:28	8.11	8.15	29.32	23.16	2.67	7	114	0.161	SE
C1A	20191216	Cloudy	Moderate	Mid-Ebb	S	1	13:28	8.18	8.04	29.41	23.1	2.68	7	114	0.271	SE
C2A	20191216	Cloudy	Moderate	Mid-Ebb	B	11.2	15:46	7.75	8.08	29.67	23.03	3.08	4	113	0.186	E
C2A	20191216	Cloudy	Moderate	Mid-Ebb	B	11.2	15:46	8.17	8.22	29.79	23.17	3.37	5	113	0.228	SE
C2A	20191216	Cloudy	Moderate	Mid-Ebb	M	6.1	15:47	8.27	7.98	29.37	23.23	2.51	5	114	0.147	E
C2A	20191216	Cloudy	Moderate	Mid-Ebb	M	6.1	15:47	7.86	8.02	29.54	23.08	2.49	6	114	0.159	SE
C2A	20191216	Cloudy	Moderate	Mid-Ebb	S	1	15:48	8.04	8.22	29.37	23.17	2.82	5	113	0.167	SE
C2A	20191216	Cloudy	Moderate	Mid-Ebb	S	1	15:48	7.8	8.1	29.46	23.1	2.81	6	113	0.235	SE
CR1	20191216	Cloudy	Moderate	Mid-Ebb	B	12.2	16:04	7.98	8.22	29.44	22.99	3.01	6	114	0.229	SE
CR1	20191216	Cloudy	Moderate	Mid-Ebb	B	12.2	16:04	8.15	8.17	29.45	22.96	2.87	5	113	0.225	SE
CR1	20191216	Cloudy	Moderate	Mid-Ebb	M	6.6	16:05	8.02	8.03	29.82	23.03	2.59	6	114	0.197	SE
CR1	20191216	Cloudy	Moderate	Mid-Ebb	M	6.6	16:05	8.23	8.24	29.72	23.05	2.66	5	114	0.176	SE
CR1	20191216	Cloudy	Moderate	Mid-Ebb	S	1	16:06	8.25	8.21	29.37	22.99	2.49	5	114	0.182	SE
CR1	20191216	Cloudy	Moderate	Mid-Ebb	S	1	16:06	8.09	8.09	29.6	22.95	2.6	6	114	0.205	SE
CR2	20191216	Cloudy	Moderate	Mid-Ebb	B	10.7	15:18	7.83	8.01	29.75	23.19	3.19	3	114	0.227	E
CR2	20191216	Cloudy	Moderate	Mid-Ebb	B	10.7	15:18	7.74	8.19	29.68	23.2	3.34	4	114	0.187	SE
CR2	20191216	Cloudy	Moderate	Mid-Ebb	M	5.85	15:19	8.13	8.16	29.37	23.18	2.43	4	114	0.26	SE
CR2	20191216	Cloudy	Moderate	Mid-Ebb	M	5.85	15:19	7.76	8.01	29.59	23.13	2.34	4	113	0.254	SE
CR2	20191216	Cloudy	Moderate	Mid-Ebb	S	1	15:20	8.19	7.98	29.68	23.1	2.84	6	114	0.214	SE
CR2	20191216	Cloudy	Moderate	Mid-Ebb	S	1	15:20	8.18	7.98	29.82	23.28	2.68	5	114	0.153	SE
F1A	20191216	Cloudy	Moderate	Mid-Ebb	B	8	14:15	7.9	8.11	29.45	23.35	3.11	4	113	0.185	E
F1A	20191216	Cloudy	Moderate	Mid-Ebb	B	8	14:15	8.02	8.19	29.45	23.21	3.35	5	114	0.149	SE
F1A	20191216	Cloudy	Moderate	Mid-Ebb	M	4.5	14:16	7.9	8.01	29.9	23.16	2.38	6	113	0.219	SE
F1A	20191216	Cloudy	Moderate	Mid-Ebb	M	4.5	14:16	8.21	8.1	29.48	23.16	2.56	6	113	0.181	SE
F1A	20191216	Cloudy	Moderate	Mid-Ebb	S	1	14:17	8.01	8.02	29.65	23.2	2.78	5	113	0.216	SE

Contract No. EP/SP/66/12
 Integrated Waste Management Facilities, Phase 1
 Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
F1A	20191216	Cloudy	Moderate	Mid-Ebb	S	1	14:17	8.16	7.97	29.53	23.39	2.71	5	114	0.257	SE
H1	20191216	Cloudy	Moderate	Mid-Ebb	B	6.8	15:20	7.77	8.01	29.5	23.31	3.26	9	113	0.199	SE
H1	20191216	Cloudy	Moderate	Mid-Ebb	B	6.8	15:20	8.26	8.2	29.4	23.32	3.31	8	114	0.183	SE
H1	20191216	Cloudy	Moderate	Mid-Ebb	M	3.9	15:21	7.84	8.1	29.71	23.06	2.45	8	113	0.209	SE
H1	20191216	Cloudy	Moderate	Mid-Ebb	M	3.9	15:21	7.98	8.23	29.64	23.3	2.69	7	113	0.172	SE
H1	20191216	Cloudy	Moderate	Mid-Ebb	S	1	15:22	7.73	8.12	29.47	23.19	2.48	7	113	0.145	E
H1	20191216	Cloudy	Moderate	Mid-Ebb	S	1	15:22	7.92	8.15	29.72	23.3	2.74	6	113	0.138	SE
M1	20191216	Cloudy	Moderate	Mid-Ebb	B	7.7	13:37	8.06	8.03	29.65	23.3	3.11	5	113	0.171	SE
M1	20191216	Cloudy	Moderate	Mid-Ebb	B	7.7	13:37	7.67	8.15	29.85	23.11	2.91	5	114	0.136	E
M1	20191216	Cloudy	Moderate	Mid-Ebb	M	4.35	13:38	8.19	8.02	29.39	23.34	2.63	4	114	0.209	SE
M1	20191216	Cloudy	Moderate	Mid-Ebb	M	4.35	13:38	7.89	8.15	29.7	23.3	2.71	5	113	0.231	SE
M1	20191216	Cloudy	Moderate	Mid-Ebb	S	1	13:39	8.06	8.23	29.57	23.13	2.38	4	113	0.141	SE
M1	20191216	Cloudy	Moderate	Mid-Ebb	S	1	13:39	7.78	8.2	29.42	23.15	2.41	5	114	0.16	SE
S1	20191216	Cloudy	Moderate	Mid-Ebb	B	4.3	14:03	8.27	7.96	29.76	23.37	3.28	6	113	0.191	SE
S1	20191216	Cloudy	Moderate	Mid-Ebb	B	4.3	14:03	7.97	8.12	29.3	23.33	3.02	7	114	0.178	SE
S1	20191216	Cloudy	Moderate	Mid-Ebb	S	1	14:04	7.76	8.16	29.9	23.2	2.71	6	114	0.185	SE
S1	20191216	Cloudy	Moderate	Mid-Ebb	S	1	14:04	8.17	8.03	29.35	23.34	2.57	6	113	0.238	SE
S2A	20191216	Cloudy	Moderate	Mid-Ebb	B	8.6	14:42	8.13	8.1	29.71	23.08	3.43	5	114	0.243	E
S2A	20191216	Cloudy	Moderate	Mid-Ebb	B	8.6	14:42	8.19	8.18	29.66	23.14	3.07	5	113	0.15	SE
S2A	20191216	Cloudy	Moderate	Mid-Ebb	M	4.8	14:43	7.88	7.97	29.34	23.32	2.39	4	113	0.186	SE
S2A	20191216	Cloudy	Moderate	Mid-Ebb	M	4.8	14:43	7.85	8.1	29.33	23.25	2.45	4	114	0.204	SE
S2A	20191216	Cloudy	Moderate	Mid-Ebb	S	1	14:44	8.04	8.04	29.8	23.19	2.82	6	113	0.19	SE
S2A	20191216	Cloudy	Moderate	Mid-Ebb	S	1	14:44	7.79	8.13	29.49	23.13	2.88	6	113	0.206	E
S3	20191216	Cloudy	Moderate	Mid-Ebb	B	10.6	15:29	8.2	8.05	29.7	23.01	3.35	4	114	0.239	SE
S3	20191216	Cloudy	Moderate	Mid-Ebb	B	10.6	15:29	7.7	8.06	29.49	23.17	3.02	4	113	0.164	E
S3	20191216	Cloudy	Moderate	Mid-Ebb	M	5.8	15:30	7.98	8	29.88	23.04	2.39	6	113	0.189	E
S3	20191216	Cloudy	Moderate	Mid-Ebb	M	5.8	15:30	8.02	8.05	29.48	23.3	2.46	7	113	0.156	SE
S3	20191216	Cloudy	Moderate	Mid-Ebb	S	1	15:31	7.9	8.23	29.62	23.14	2.41	6	113	0.153	SE

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
S3	20191216	Cloudy	Moderate	Mid-Ebb	S	1	15:31	8.27	8.01	29.81	23.18	2.54	6	113	0.227	E
B1	20191218	Cloudy	Moderate	Mid-Flood	B	3.9	11:18	7.55	8.06	30.58	24.5	2.88	3	114	0.318	W
B1	20191218	Cloudy	Moderate	Mid-Flood	B	3.9	11:18	7.24	8.02	30.65	24.55	3.11	2	113	0.191	W
B1	20191218	Cloudy	Moderate	Mid-Flood	S	1	11:19	7.56	7.96	30.31	24.61	2.47	<2	114	0.311	W
B1	20191218	Cloudy	Moderate	Mid-Flood	S	1	11:19	7.78	8.13	30.13	24.73	2.48	note 3	113	0.223	W
B2	20191218	Cloudy	Moderate	Mid-Flood	B	3.8	11:40	7.74	8.2	30.03	24.5	2.88	<2	113	0.311	W
B2	20191218	Cloudy	Moderate	Mid-Flood	B	3.8	11:40	7.75	8.18	30.37	24.83	3.19	<2	114	0.223	W
B2	20191218	Cloudy	Moderate	Mid-Flood	S	1	11:41	7.67	8.17	30.31	24.46	2.79	<2	113	0.159	W
B2	20191218	Cloudy	Moderate	Mid-Flood	S	1	11:41	7.75	8.1	30	24.64	2.68	2	115	0.216	W
B3	20191218	Cloudy	Moderate	Mid-Flood	B	4.3	11:01	7.74	7.96	30.02	24.45	3.57	<2	114	0.243	W
B3	20191218	Cloudy	Moderate	Mid-Flood	B	4.3	11:01	7.36	8.18	30.61	24.47	3.51	<2	111	0.238	W
B3	20191218	Cloudy	Moderate	Mid-Flood	S	1	11:02	7.77	8.22	30.12	24.49	2.99	2	114	0.193	NW
B3	20191218	Cloudy	Moderate	Mid-Flood	S	1	11:02	7.76	8.06	30.18	24.58	2.93	<2	114	0.189	W
B4	20191218	Cloudy	Moderate	Mid-Flood	B	3.6	11:13	7.47	8.21	30.19	24.48	3.41	2	113	0.31	W
B4	20191218	Cloudy	Moderate	Mid-Flood	B	3.6	11:13	7.62	8.02	30.49	24.33	3.21	3	113	0.24	W
B4	20191218	Cloudy	Moderate	Mid-Flood	S	1	11:14	7.17	8.05	30.3	24.45	2.51	<2	113	0.266	W
B4	20191218	Cloudy	Moderate	Mid-Flood	S	1	11:14	7.62	8.05	30.62	24.44	2.63	2	113	0.242	NW
C1A	20191218	Cloudy	Moderate	Mid-Flood	B	10.4	10:54	7.26	8.06	30.58	24.23	3.46	<2	114	0.252	W
C1A	20191218	Cloudy	Moderate	Mid-Flood	B	10.4	10:54	7.65	8.09	30.74	24.59	3.12	<2	113	0.214	NW
C1A	20191218	Cloudy	Moderate	Mid-Flood	M	5.7	10:55	7.27	8.07	30.53	24.32	2.98	<2	112	0.187	W
C1A	20191218	Cloudy	Moderate	Mid-Flood	M	5.7	10:55	7.17	8.02	30.16	24.28	3.12	<2	113	0.293	W
C1A	20191218	Cloudy	Moderate	Mid-Flood	S	1	10:56	7.5	8.16	30.75	24.42	2.56	<2	113	0.173	W
C1A	20191218	Cloudy	Moderate	Mid-Flood	S	1	10:56	7.56	8.15	30.33	24.56	2.8	<2	113	0.291	W
C2A	20191218	Cloudy	Moderate	Mid-Flood	B	10.2	10:18	7.58	8.23	30.3	24.37	3.41	2	112	0.224	W
C2A	20191218	Cloudy	Moderate	Mid-Flood	B	10.2	10:18	7.42	8.23	30.07	24.54	3.33	3	113	0.304	NW
C2A	20191218	Cloudy	Moderate	Mid-Flood	M	5.6	10:19	7.21	8.14	30.61	24.5	2.86	2	113	0.276	W
C2A	20191218	Cloudy	Moderate	Mid-Flood	M	5.6	10:19	7.24	7.96	30.7	24.36	2.59	3	113	0.14	W
C2A	20191218	Cloudy	Moderate	Mid-Flood	S	1	10:20	7.26	8.08	30.09	24.59	2.75	4	114	0.236	W

Contract No. EP/SP/66/12
 Integrated Waste Management Facilities, Phase 1
 Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
C2A	20191218	Cloudy	Moderate	Mid-Flood	S	1	10:20	7.65	7.99	30.52	24.37	2.53	3	112	0.174	W
CR1	20191218	Cloudy	Moderate	Mid-Flood	B	11.5	12:59	7.73	8.05	30.54	24.66	3.12	3	113	0.183	W
CR1	20191218	Cloudy	Moderate	Mid-Flood	B	11.5	12:59	7.27	8	30.18	24.8	3.25	3	113	0.274	W
CR1	20191218	Cloudy	Moderate	Mid-Flood	M	6.25	13:00	7.35	8.01	30.61	25.03	2.61	<2	113	0.294	W
CR1	20191218	Cloudy	Moderate	Mid-Flood	M	6.25	13:00	7.43	8.14	30.67	24.71	2.86	<2	114	0.23	NW
CR1	20191218	Cloudy	Moderate	Mid-Flood	S	1	13:01	7.5	8.2	30.07	24.6	2.86	<2	113	0.162	W
CR1	20191218	Cloudy	Moderate	Mid-Flood	S	1	13:01	7.2	8.11	30.55	24.96	2.77	<2	113	0.226	W
CR2	20191218	Cloudy	Moderate	Mid-Flood	B	10.3	12:33	7.21	8.06	30.09	24.78	2.88	<2	113	0.268	NW
CR2	20191218	Cloudy	Moderate	Mid-Flood	B	10.3	12:33	7.8	8.11	30.36	24.71	2.97	<2	114	0.149	W
CR2	20191218	Cloudy	Moderate	Mid-Flood	M	5.65	12:34	7.67	8	30.19	24.89	2.72	<2	113	0.247	NW
CR2	20191218	Cloudy	Moderate	Mid-Flood	M	5.65	12:34	7.24	7.97	30.07	24.76	2.71	<2	113	0.248	W
CR2	20191218	Cloudy	Moderate	Mid-Flood	S	1	12:35	7.77	8.09	30.75	25.01	2.93	<2	113	0.192	W
CR2	20191218	Cloudy	Moderate	Mid-Flood	S	1	12:35	7.43	7.96	30.63	24.89	2.71	<2	114	0.14	W
F1A	20191218	Cloudy	Moderate	Mid-Flood	B	7.1	11:42	7.79	7.99	30.05	24.79	2.9	<2	114	0.322	W
F1A	20191218	Cloudy	Moderate	Mid-Flood	B	7.1	11:42	7.81	7.97	30.08	24.53	3.05	<2	113	0.322	W
F1A	20191218	Cloudy	Moderate	Mid-Flood	M	4.05	11:43	7.63	8.07	30.45	24.52	2.85	<2	113	0.144	W
F1A	20191218	Cloudy	Moderate	Mid-Flood	M	4.05	11:43	7.8	8.23	30.44	24.78	2.72	<2	113	0.302	W
F1A	20191218	Cloudy	Moderate	Mid-Flood	S	1	11:44	7.23	7.96	30.32	24.4	2.48	2	114	0.191	NW
F1A	20191218	Cloudy	Moderate	Mid-Flood	S	1	11:44	7.71	8.14	30.47	24.73	2.35	<2	112	0.247	W
H1	20191218	Cloudy	Moderate	Mid-Flood	B	6.7	10:42	7.7	8.02	30.17	24.4	3.09	<2	113	0.254	W
H1	20191218	Cloudy	Moderate	Mid-Flood	B	6.7	10:42	7.55	7.95	30.67	24.21	2.92	<2	114	0.288	W
H1	20191218	Cloudy	Moderate	Mid-Flood	M	3.85	10:43	7.61	8.02	30.44	24.21	2.78	2	113	0.228	W
H1	20191218	Cloudy	Moderate	Mid-Flood	M	3.85	10:43	7.56	8	30.17	24.37	2.86	<2	113	0.313	W
H1	20191218	Cloudy	Moderate	Mid-Flood	S	1	10:44	7.22	8.13	30.27	24.32	2.46	4	114	0.317	W
H1	20191218	Cloudy	Moderate	Mid-Flood	S	1	10:44	7.68	8.15	30.38	24.43	2.73	3	113	0.185	W
M1	20191218	Cloudy	Moderate	Mid-Flood	B	6.6	12:13	7.53	7.97	30.36	24.5	3.03	<2	114	0.197	W
M1	20191218	Cloudy	Moderate	Mid-Flood	B	6.6	12:13	7.73	7.98	30.6	24.89	3.45	<2	113	0.322	W
M1	20191218	Cloudy	Moderate	Mid-Flood	M	3.8	12:14	7.26	8.1	30.66	24.68	2.54	2	114	0.254	W

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
M1	20191218	Cloudy	Moderate	Mid-Flood	M	3.8	12:14	7.56	8.21	30.17	24.5	2.75	<2	114	0.321	W
M1	20191218	Cloudy	Moderate	Mid-Flood	S	1	12:15	7.18	7.96	30.31	24.58	2.89	<2	114	0.267	W
M1	20191218	Cloudy	Moderate	Mid-Flood	S	1	12:15	7.33	8.01	30.54	24.52	2.42	<2	114	0.288	W
S1	20191218	Cloudy	Moderate	Mid-Flood	B	4.2	11:31	7.38	7.99	30.6	24.38	3.29	2	113	0.269	W
S1	20191218	Cloudy	Moderate	Mid-Flood	B	4.2	11:31	7.5	8.1	30.42	24.4	3.03	3	113	0.302	NW
S1	20191218	Cloudy	Moderate	Mid-Flood	S	1	11:32	7.34	7.95	30.28	24.78	2.87	<2	114	0.225	W
S1	20191218	Cloudy	Moderate	Mid-Flood	S	1	11:32	7.51	8.08	30.38	24.37	2.64	2	112	0.154	W
S2A	20191218	Cloudy	Moderate	Mid-Flood	B	8.6	12:07	7.74	8.09	30.7	24.61	3.4	<2	114	0.166	W
S2A	20191218	Cloudy	Moderate	Mid-Flood	B	8.6	12:07	7.43	8.14	30.49	24.5	2.97	2	113	0.28	W
S2A	20191218	Cloudy	Moderate	Mid-Flood	M	4.8	12:08	7.28	8.09	30.18	24.78	2.95	<2	113	0.266	W
S2A	20191218	Cloudy	Moderate	Mid-Flood	M	4.8	12:08	7.5	7.96	30.39	24.49	2.71	<2	113	0.176	W
S2A	20191218	Cloudy	Moderate	Mid-Flood	S	1	12:09	7.66	8.19	30.31	24.57	2.61	<2	114	0.148	NW
S2A	20191218	Cloudy	Moderate	Mid-Flood	S	1	12:09	7.8	8.08	30.38	24.74	2.65	<2	114	0.14	W
S3	20191218	Cloudy	Moderate	Mid-Flood	B	9.4	12:44	7.56	8.1	30.48	24.63	3.2	<2	113	0.201	NW
S3	20191218	Cloudy	Moderate	Mid-Flood	B	9.4	12:44	7.46	8.2	30.05	24.89	3.29	<2	113	0.249	W
S3	20191218	Cloudy	Moderate	Mid-Flood	M	5.2	12:45	7.8	8.01	30.48	24.86	3.1	<2	112	0.147	W
S3	20191218	Cloudy	Moderate	Mid-Flood	M	5.2	12:45	7.46	7.98	30.2	24.61	2.61	<2	113	0.147	W
S3	20191218	Cloudy	Moderate	Mid-Flood	S	1	12:46	7.46	8.16	30.27	24.59	2.98	<2	113	0.267	W
S3	20191218	Cloudy	Moderate	Mid-Flood	S	1	12:46	7.8	8.12	30.17	24.7	2.49	<2	113	0.296	W
B1	20191218	Cloudy	Moderate	Mid-Ebb	B	3.6	16:19	7.46	8.03	30.29	24.43	3.41	3	112	0.163	E
B1	20191218	Cloudy	Moderate	Mid-Ebb	B	3.6	16:19	7.29	8.11	30.51	24.36	3.09	<2	113	0.133	E
B1	20191218	Cloudy	Moderate	Mid-Ebb	S	1	16:20	7.3	8.04	30.51	24.46	2.74	2	113	0.215	SE
B1	20191218	Cloudy	Moderate	Mid-Ebb	S	1	16:20	7.27	8.03	30.34	24.51	3.03	<2	113	0.271	E
B2	20191218	Cloudy	Moderate	Mid-Ebb	B	4.2	16:41	7.54	7.97	30.11	24.29	3.23	<2	112	0.254	SE
B2	20191218	Cloudy	Moderate	Mid-Ebb	B	4.2	16:41	7.44	8.22	30.2	24.57	3.23	<2	114	0.203	E
B2	20191218	Cloudy	Moderate	Mid-Ebb	S	1	16:42	7.81	8.13	30.16	24.55	2.93	2	114	0.215	SE
B2	20191218	Cloudy	Moderate	Mid-Ebb	S	1	16:42	7.47	8.05	30.42	24.29	2.73	<2	112	0.267	E
B3	20191218	Cloudy	Moderate	Mid-Ebb	B	3.5	17:02	7.43	8.2	30.31	24.58	3.31	<2	114	0.199	SE

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B3	20191218	Cloudy	Moderate	Mid-Ebb	B	3.5	17:02	7.74	8.11	30.51	24.54	3.22	2	115	0.131	SE
B3	20191218	Cloudy	Moderate	Mid-Ebb	S	1	17:03	7.74	8.02	30.24	24.3	2.93	<2	115	0.191	E
B3	20191218	Cloudy	Moderate	Mid-Ebb	S	1	17:03	7.61	8.21	30.21	24.31	3.14	<2	116	0.171	SE
B4	20191218	Cloudy	Moderate	Mid-Ebb	B	3.5	16:52	7.7	8.17	30.03	24.25	3.32	<2	114	0.234	E
B4	20191218	Cloudy	Moderate	Mid-Ebb	B	3.5	16:52	7.43	8.03	30	24.26	3.57	3	113	0.189	SE
B4	20191218	Cloudy	Moderate	Mid-Ebb	S	1	16:53	7.52	8.02	30.34	24.42	3.01	<2	114	0.212	E
B4	20191218	Cloudy	Moderate	Mid-Ebb	S	1	16:53	7.3	8.21	30.04	24.41	2.81	<2	113	0.125	SE
C1A	20191218	Cloudy	Moderate	Mid-Ebb	B	8.9	15:57	7.64	8.22	30.1	24.6	3.52	<2	114	0.17	E
C1A	20191218	Cloudy	Moderate	Mid-Ebb	B	8.9	15:57	7.73	8.13	30.49	24.56	3.25	2	114	0.127	SE
C1A	20191218	Cloudy	Moderate	Mid-Ebb	M	4.95	15:58	7.7	8.02	30.4	24.42	2.83	3	114	0.146	E
C1A	20191218	Cloudy	Moderate	Mid-Ebb	M	4.95	15:58	7.22	8.07	30.28	24.63	2.78	2	115	0.241	SE
C1A	20191218	Cloudy	Moderate	Mid-Ebb	S	1	15:59	7.86	8.18	30.23	24.61	2.68	3	114	0.223	SE
C1A	20191218	Cloudy	Moderate	Mid-Ebb	S	1	15:59	7.75	8.03	30.32	24.33	2.87	4	114	0.262	E
C2A	20191218	Cloudy	Moderate	Mid-Ebb	B	11.3	17:47	7.83	8.23	30.31	24.54	3.5	3	113	0.181	E
C2A	20191218	Cloudy	Moderate	Mid-Ebb	B	11.3	17:47	7.26	8.02	30.2	24.2	3.5	3	115	0.246	E
C2A	20191218	Cloudy	Moderate	Mid-Ebb	M	6.15	17:48	7.7	8.16	30.4	24.21	3.07	<2	114	0.161	SE
C2A	20191218	Cloudy	Moderate	Mid-Ebb	M	6.15	17:48	7.33	8.05	30.35	24.42	2.71	3	115	0.278	SE
C2A	20191218	Cloudy	Moderate	Mid-Ebb	S	1	17:49	7.6	8.23	30.4	24.31	2.6	2	115	0.157	SE
C2A	20191218	Cloudy	Moderate	Mid-Ebb	S	1	17:49	7.32	8.19	30.15	24.48	2.74	<2	115	0.233	SE
CR1	20191218	Cloudy	Moderate	Mid-Ebb	B	11.6	17:58	7.36	8.17	30.42	24.34	3.21	<2	114	0.128	SE
CR1	20191218	Cloudy	Moderate	Mid-Ebb	B	11.6	17:58	7.45	8.11	30.07	24.31	3.43	2	115	0.272	E
CR1	20191218	Cloudy	Moderate	Mid-Ebb	M	6.3	17:59	7.55	8.06	30.31	24.47	2.66	2	114	0.17	SE
CR1	20191218	Cloudy	Moderate	Mid-Ebb	M	6.3	17:59	7.64	8.1	30.21	24.34	2.93	2	115	0.188	E
CR1	20191218	Cloudy	Moderate	Mid-Ebb	S	1	18:00	7.53	7.97	30.26	24.3	3.09	<2	115	0.147	SE
CR1	20191218	Cloudy	Moderate	Mid-Ebb	S	1	18:00	7.87	8.02	30.04	24.54	2.61	<2	115	0.276	SE
CR2	20191218	Cloudy	Moderate	Mid-Ebb	B	11.1	17:34	7.72	7.97	30.41	24.36	3.37	3	114	0.234	E
CR2	20191218	Cloudy	Moderate	Mid-Ebb	B	11.1	17:34	7.8	8.22	30.35	24.44	3.23	3	116	0.129	SE
CR2	20191218	Cloudy	Moderate	Mid-Ebb	M	6.05	17:35	7.68	8.18	30.39	24.39	3.1	2	114	0.177	SE

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
CR2	20191218	Cloudy	Moderate	Mid-Ebb	M	6.05	17:35	7.24	7.99	30.37	24.26	3.07	2	115	0.118	E
CR2	20191218	Cloudy	Moderate	Mid-Ebb	S	1	17:36	7.83	8.01	30.16	24.43	2.64	3	114	0.155	SE
CR2	20191218	Cloudy	Moderate	Mid-Ebb	S	1	17:36	7.69	8.12	29.99	24.35	2.93	<2	116	0.256	SE
F1A	20191218	Cloudy	Moderate	Mid-Ebb	B	7.3	16:26	7.76	8.21	30.34	24.39	3.48	2	115	0.267	SE
F1A	20191218	Cloudy	Moderate	Mid-Ebb	B	7.3	16:26	7.22	8.04	30.03	24.63	3.16	2	115	0.25	SE
F1A	20191218	Cloudy	Moderate	Mid-Ebb	M	4.15	16:27	7.63	8.1	30.43	24.31	2.76	3	114	0.18	SE
F1A	20191218	Cloudy	Moderate	Mid-Ebb	M	4.15	16:27	7.78	8.23	30.35	24.7	2.62	3	115	0.253	E
F1A	20191218	Cloudy	Moderate	Mid-Ebb	S	1	16:28	7.39	8.12	30.39	24.53	2.86	5	114	0.148	SE
F1A	20191218	Cloudy	Moderate	Mid-Ebb	S	1	16:28	7.86	8.09	30.4	24.49	2.91	5	115	0.233	SE
H1	20191218	Cloudy	Moderate	Mid-Ebb	B	7.2	17:20	7.33	8.02	30.45	24.46	3.42	2	113	0.21	SE
H1	20191218	Cloudy	Moderate	Mid-Ebb	B	7.2	17:20	7.64	7.98	30.36	24.2	3.42	2	114	0.168	SE
H1	20191218	Cloudy	Moderate	Mid-Ebb	M	4.1	17:21	7.49	8.09	30.09	24.53	2.62	2	114	0.175	SE
H1	20191218	Cloudy	Moderate	Mid-Ebb	M	4.1	17:21	7.43	7.98	30.35	24.38	2.94	<2	114	0.206	SE
H1	20191218	Cloudy	Moderate	Mid-Ebb	S	1	17:22	7.86	7.97	30.46	24.22	3.01	3	115	0.215	SE
H1	20191218	Cloudy	Moderate	Mid-Ebb	S	1	17:22	7.67	8.18	30.2	24.39	2.71	4	114	0.221	SE
M1	20191218	Cloudy	Moderate	Mid-Ebb	B	8.1	15:58	7.81	8.21	30.14	24.66	3.18	3	115	0.168	E
M1	20191218	Cloudy	Moderate	Mid-Ebb	B	8.1	15:58	7.57	8.11	30.29	24.67	3.54	4	116	0.14	SE
M1	20191218	Cloudy	Moderate	Mid-Ebb	M	4.55	15:59	7.3	8	30.22	24.39	2.78	3	115	0.227	E
M1	20191218	Cloudy	Moderate	Mid-Ebb	M	4.55	15:59	7.77	8.19	30.06	24.44	2.72	<2	114	0.239	E
M1	20191218	Cloudy	Moderate	Mid-Ebb	S	1	16:00	7.27	7.99	30.46	24.41	2.76	<2	115	0.223	SE
M1	20191218	Cloudy	Moderate	Mid-Ebb	S	1	16:00	7.23	8.22	30.51	24.32	2.8	2	114	0.229	SE
S1	20191218	Cloudy	Moderate	Mid-Ebb	B	4	16:32	7.48	8.21	30.23	24.61	3.26	<2	116	0.143	SE
S1	20191218	Cloudy	Moderate	Mid-Ebb	B	4	16:32	7.54	8.16	30.24	24.39	3.09	<2	114	0.176	SE
S1	20191218	Cloudy	Moderate	Mid-Ebb	S	1	16:33	7.51	7.98	30.05	24.66	2.99	2	114	0.202	SE
S1	20191218	Cloudy	Moderate	Mid-Ebb	S	1	16:33	7.47	8.07	30.19	24.31	2.89	2	114	0.259	SE
S2A	20191218	Cloudy	Moderate	Mid-Ebb	B	7.7	17:08	7.48	8.23	30.07	24.6	3.51	<2	114	0.117	SE
S2A	20191218	Cloudy	Moderate	Mid-Ebb	B	7.7	17:08	7.7	8.12	30.48	24.54	3.5	<2	113	0.179	E
S2A	20191218	Cloudy	Moderate	Mid-Ebb	M	4.35	17:09	7.36	8.03	30.04	24.31	3	<2	115	0.28	E

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
S2A	20191218	Cloudy	Moderate	Mid-Ebb	M	4.35	17:09	7.52	8.09	30.07	24.43	3.03	<2	115	0.276	SE
S2A	20191218	Cloudy	Moderate	Mid-Ebb	S	1	17:10	7.24	8.22	29.99	24.53	3.11	<2	115	0.128	E
S2A	20191218	Cloudy	Moderate	Mid-Ebb	S	1	17:10	7.7	8.2	30.06	24.54	2.92	2	114	0.266	E
S3	20191218	Cloudy	Moderate	Mid-Ebb	B	9.9	17:45	7.89	8.17	30.15	24.54	3.33	2	115	0.276	E
S3	20191218	Cloudy	Moderate	Mid-Ebb	B	9.9	17:45	7.34	8.13	30.22	24.38	3.73	<2	115	0.122	E
S3	20191218	Cloudy	Moderate	Mid-Ebb	M	5.45	17:46	7.72	7.97	30.01	24.39	3.11	2	114	0.143	E
S3	20191218	Cloudy	Moderate	Mid-Ebb	M	5.45	17:46	7.74	7.96	30.5	24.24	3.12	3	114	0.241	SE
S3	20191218	Cloudy	Moderate	Mid-Ebb	S	1	17:47	7.26	8.01	30.1	24.35	2.65	3	115	0.233	E
S3	20191218	Cloudy	Moderate	Mid-Ebb	S	1	17:47	7.22	8.01	30.44	24.23	3.09	<2	114	0.246	E
B1	20191220	Cloudy	Moderate	Mid-Ebb	B	3.9	10:07	7.9	8.06	29.57	21.49	2.95	8	114	0.188	SE
B1	20191220	Cloudy	Moderate	Mid-Ebb	B	3.9	10:07	7.49	8.11	29.36	21.49	3.28	7	114	0.157	SE
B1	20191220	Cloudy	Moderate	Mid-Ebb	S	1	10:08	7.58	8.07	29.87	21.46	2.79	9	114	0.246	SE
B1	20191220	Cloudy	Moderate	Mid-Ebb	S	1	10:08	7.37	8.05	29.59	21.46	2.42	9	115	0.134	SE
B2	20191220	Cloudy	Moderate	Mid-Ebb	B	4.2	9:47	7.45	8.18	29.85	21.49	3.28	7	114	0.225	E
B2	20191220	Cloudy	Moderate	Mid-Ebb	B	4.2	9:47	7.83	8.14	29.59	21.33	2.95	6	115	0.248	SE
B2	20191220	Cloudy	Moderate	Mid-Ebb	S	1	9:48	7.39	8.13	29.46	21.23	2.37	8	114	0.19	SE
B2	20191220	Cloudy	Moderate	Mid-Ebb	S	1	9:48	7.38	8.19	29.37	21.28	2.47	7	115	0.184	SE
B3	20191220	Cloudy	Moderate	Mid-Ebb	B	3.9	8:48	7.42	8.21	29.74	21.14	3.52	9	114	0.195	E
B3	20191220	Cloudy	Moderate	Mid-Ebb	B	3.9	8:48	7.78	7.97	29.44	21.29	3.27	9	115	0.137	SE
B3	20191220	Cloudy	Moderate	Mid-Ebb	S	1	8:49	7.77	8.07	29.62	21.2	2.78	6	115	0.156	SE
B3	20191220	Cloudy	Moderate	Mid-Ebb	S	1	8:49	7.85	8.08	29.59	21.2	2.47	7	114	0.126	E
B4	20191220	Cloudy	Moderate	Mid-Ebb	B	3.6	8:58	7.46	8.2	29.62	21.26	3.2	9	114	0.232	E
B4	20191220	Cloudy	Moderate	Mid-Ebb	B	3.6	8:58	7.81	8.24	29.59	21.15	3.08	8	114	0.157	SE
B4	20191220	Cloudy	Moderate	Mid-Ebb	S	1	8:59	7.84	8.24	29.5	21.39	2.53	9	115	0.118	SE
B4	20191220	Cloudy	Moderate	Mid-Ebb	S	1	8:59	7.8	8.03	29.4	21.36	2.92	8	115	0.246	SE
C1A	20191220	Cloudy	Moderate	Mid-Ebb	B	9.2	8:00	7.33	7.97	29.5	20.91	3.05	6	114	0.149	SE
C1A	20191220	Cloudy	Moderate	Mid-Ebb	B	9.2	8:00	7.37	8.12	29.84	21.14	3.32	6	114	0.214	SE
C1A	20191220	Cloudy	Moderate	Mid-Ebb	M	5.1	8:01	7.49	8.18	29.89	21.03	2.62	9	114	0.184	E

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
C1A	20191220	Cloudy	Moderate	Mid-Ebb	M	5.1	8:01	7.6	7.99	29.81	20.9	2.39	8	114	0.127	SE
C1A	20191220	Cloudy	Moderate	Mid-Ebb	S	1	8:02	7.87	8.15	29.53	21.29	2.58	8	114	0.215	SE
C1A	20191220	Cloudy	Moderate	Mid-Ebb	S	1	8:02	7.65	8.16	29.5	21.1	2.45	9	115	0.243	E
C2A	20191220	Cloudy	Moderate	Mid-Ebb	B	10.7	8:05	7.41	8.17	29.66	21.12	3	10	115	0.176	SE
C2A	20191220	Cloudy	Moderate	Mid-Ebb	B	10.7	8:05	7.34	7.98	29.83	21.12	3.32	10	115	0.153	SE
C2A	20191220	Cloudy	Moderate	Mid-Ebb	M	5.85	8:06	7.4	7.99	29.53	21.09	2.64	8	114	0.183	SE
C2A	20191220	Cloudy	Moderate	Mid-Ebb	M	5.85	8:06	7.36	8	29.4	21.01	2.52	8	115	0.158	SE
C2A	20191220	Cloudy	Moderate	Mid-Ebb	S	1	8:07	7.86	8.02	29.36	20.93	2.43	7	115	0.292	SE
C2A	20191220	Cloudy	Moderate	Mid-Ebb	S	1	8:07	7.56	8.22	29.65	21.26	2.63	8	114	0.289	E
CR1	20191220	Cloudy	Moderate	Mid-Ebb	B	12.7	8:30	7.71	7.96	29.81	21.04	3.24	10	115	0.219	SE
CR1	20191220	Cloudy	Moderate	Mid-Ebb	B	12.7	8:30	7.72	8.14	29.44	21.02	2.86	11	113	0.149	SE
CR1	20191220	Cloudy	Moderate	Mid-Ebb	M	6.85	8:31	7.55	8.15	29.51	21.07	2.47	10	114	0.202	SE
CR1	20191220	Cloudy	Moderate	Mid-Ebb	M	6.85	8:31	7.66	7.96	29.32	21.17	2.62	10	115	0.27	SE
CR1	20191220	Cloudy	Moderate	Mid-Ebb	S	1	8:32	7.37	8.08	29.81	21.22	2.87	8	115	0.169	SE
CR1	20191220	Cloudy	Moderate	Mid-Ebb	S	1	8:32	7.93	7.96	29.77	21.05	2.37	9	115	0.214	SE
CR2	20191220	Cloudy	Moderate	Mid-Ebb	B	10	8:58	7.67	8.14	29.45	21.28	3.17	10	113	0.158	E
CR2	20191220	Cloudy	Moderate	Mid-Ebb	B	10	8:58	7.42	8.04	29.47	21.16	2.92	9	114	0.149	SE
CR2	20191220	Cloudy	Moderate	Mid-Ebb	M	5.5	8:59	7.57	8.15	29.88	21.36	2.93	10	115	0.251	E
CR2	20191220	Cloudy	Moderate	Mid-Ebb	M	5.5	8:59	7.9	8.07	29.5	21.37	2.47	10	115	0.193	SE
CR2	20191220	Cloudy	Moderate	Mid-Ebb	S	1	9:00	7.61	8.07	29.9	21.19	2.4	12	114	0.156	E
CR2	20191220	Cloudy	Moderate	Mid-Ebb	S	1	9:00	7.88	7.97	29.41	21.39	2.74	12	115	0.264	E
F1A	20191220	Cloudy	Moderate	Mid-Ebb	B	7.9	9:27	7.55	8.01	29.75	21.44	3.16	8	114	0.119	E
F1A	20191220	Cloudy	Moderate	Mid-Ebb	B	7.9	9:27	7.37	8.05	29.58	21.39	3.16	7	114	0.285	E
F1A	20191220	Cloudy	Moderate	Mid-Ebb	M	4.45	9:28	7.61	8.03	29.42	21.23	2.38	10	116	0.177	E
F1A	20191220	Cloudy	Moderate	Mid-Ebb	M	4.45	9:28	7.55	8.2	29.49	21.4	2.56	11	115	0.213	SE
F1A	20191220	Cloudy	Moderate	Mid-Ebb	S	1	9:29	7.61	8.21	29.42	21.38	2.38	12	114	0.192	E
F1A	20191220	Cloudy	Moderate	Mid-Ebb	S	1	9:29	7.39	8.14	29.61	21.44	2.66	12	114	0.138	SE
H1	20191220	Cloudy	Moderate	Mid-Ebb	B	6.9	8:28	7.55	8.01	29.49	21.28	3.32	7	114	0.189	SE

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
H1	20191220	Cloudy	Moderate	Mid-Ebb	B	6.9	8:28	7.42	8.2	29.43	21.02	3.06	8	113	0.183	E
H1	20191220	Cloudy	Moderate	Mid-Ebb	M	3.95	8:29	7.7	8.22	29.35	20.98	2.63	9	115	0.21	SE
H1	20191220	Cloudy	Moderate	Mid-Ebb	M	3.95	8:29	7.84	8.24	29.65	21.26	2.44	8	114	0.147	E
H1	20191220	Cloudy	Moderate	Mid-Ebb	S	1	8:30	7.77	7.98	29.86	21.1	2.4	11	115	0.153	SE
H1	20191220	Cloudy	Moderate	Mid-Ebb	S	1	8:30	7.71	7.96	29.37	21.18	2.38	10	114	0.216	E
M1	20191220	Cloudy	Moderate	Mid-Ebb	B	8.4	9:58	7.83	8.06	29.64	21.38	3.31	13	114	0.17	E
M1	20191220	Cloudy	Moderate	Mid-Ebb	B	8.4	9:58	7.65	8.12	29.66	21.31	3.07	13	115	0.214	SE
M1	20191220	Cloudy	Moderate	Mid-Ebb	M	4.7	9:59	7.37	8.14	29.45	21.5	2.93	12	115	0.16	E
M1	20191220	Cloudy	Moderate	Mid-Ebb	M	4.7	9:59	7.97	8.21	29.48	21.27	2.47	12	114	0.283	SE
M1	20191220	Cloudy	Moderate	Mid-Ebb	S	1	10:00	7.88	7.96	29.51	21.42	2.59	9	115	0.265	SE
M1	20191220	Cloudy	Moderate	Mid-Ebb	S	1	10:00	7.8	8.1	29.48	21.23	2.86	10	115	0.225	E
S1	20191220	Cloudy	Moderate	Mid-Ebb	B	4.3	9:56	7.87	8.04	29.33	21.41	3.19	10	115	0.181	SE
S1	20191220	Cloudy	Moderate	Mid-Ebb	B	4.3	9:56	7.36	8	29.4	21.5	3.19	11	114	0.252	E
S1	20191220	Cloudy	Moderate	Mid-Ebb	S	1	9:57	7.94	7.96	29.74	21.23	2.31	11	115	0.258	SE
S1	20191220	Cloudy	Moderate	Mid-Ebb	S	1	9:57	7.48	8.15	29.69	21.26	2.71	10	114	0.211	SE
S2A	20191220	Cloudy	Moderate	Mid-Ebb	B	7.7	9:22	7.6	8.19	29.85	21.26	3.37	12	115	0.276	SE
S2A	20191220	Cloudy	Moderate	Mid-Ebb	B	7.7	9:22	7.44	8.17	29.3	21.23	3.35	11	114	0.22	E
S2A	20191220	Cloudy	Moderate	Mid-Ebb	M	4.35	9:23	7.75	8.12	29.35	21.36	2.6	8	114	0.21	SE
S2A	20191220	Cloudy	Moderate	Mid-Ebb	M	4.35	9:23	7.73	8.08	29.64	21.27	2.58	8	115	0.145	E
S2A	20191220	Cloudy	Moderate	Mid-Ebb	S	1	9:24	7.73	8.06	29.66	21.39	2.77	9	114	0.152	SE
S2A	20191220	Cloudy	Moderate	Mid-Ebb	S	1	9:24	7.46	8.24	29.63	21.26	2.39	8	114	0.26	SE
S3	20191220	Cloudy	Moderate	Mid-Ebb	B	10	8:47	7.98	8.04	29.69	21.24	3.38	9	114	0.279	E
S3	20191220	Cloudy	Moderate	Mid-Ebb	B	10	8:47	7.47	8.01	29.64	21.34	3.17	10	115	0.133	E
S3	20191220	Cloudy	Moderate	Mid-Ebb	M	5.5	8:48	7.4	8.2	29.43	21.28	2.82	10	116	0.29	SE
S3	20191220	Cloudy	Moderate	Mid-Ebb	M	5.5	8:48	7.51	8.02	29.86	21.17	2.58	10	115	0.147	E
S3	20191220	Cloudy	Moderate	Mid-Ebb	S	1	8:49	7.63	7.97	29.73	21.21	2.78	9	116	0.166	E
S3	20191220	Cloudy	Moderate	Mid-Ebb	S	1	8:49	7.74	8.2	29.32	21.22	2.59	9	115	0.167	SE
B1	20191220	Cloudy	Moderate	Mid-Flood	B	4.5	14:12	7.67	8.07	29.49	22.44	2.9	10	115	0.248	NW

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B1	20191220	Cloudy	Moderate	Mid-Flood	B	4.5	14:12	7.31	8.23	29.67	22.19	3.28	9	114	0.234	NW
B1	20191220	Cloudy	Moderate	Mid-Flood	S	1	14:13	7.29	8.17	29.9	22.07	2.71	6	116	0.198	W
B1	20191220	Cloudy	Moderate	Mid-Flood	S	1	14:13	7.63	8.04	29.71	22.22	2.75	6	115	0.303	W
B2	20191220	Cloudy	Moderate	Mid-Flood	B	4	13:48	7.89	8.08	29.7	22.4	3.24	10	115	0.252	W
B2	20191220	Cloudy	Moderate	Mid-Flood	B	4	13:48	7.75	8.15	29.43	22.34	2.91	10	115	0.305	NW
B2	20191220	Cloudy	Moderate	Mid-Flood	S	1	13:49	7.41	8.17	29.86	22.43	2.83	9	115	0.225	W
B2	20191220	Cloudy	Moderate	Mid-Flood	S	1	13:49	7.84	8.16	29.61	22.35	2.38	9	114	0.198	W
B3	20191220	Cloudy	Moderate	Mid-Flood	B	3.7	13:19	7.75	8.21	29.22	22.44	3.3	10	114	0.312	W
B3	20191220	Cloudy	Moderate	Mid-Flood	B	3.7	13:19	7.89	8	29.49	22.29	3.61	10	115	0.246	W
B3	20191220	Cloudy	Moderate	Mid-Flood	S	1	13:20	7.62	8.1	29.23	22.15	2.93	8	114	0.24	W
B3	20191220	Cloudy	Moderate	Mid-Flood	S	1	13:20	7.28	8.15	29.65	22.35	2.96	9	114	0.248	W
B4	20191220	Cloudy	Moderate	Mid-Flood	B	4.4	13:09	7.33	8.15	29.51	22.35	3.06	9	115	0.215	W
B4	20191220	Cloudy	Moderate	Mid-Flood	B	4.4	13:09	7.59	8.19	29.59	22.07	3.43	9	114	0.26	W
B4	20191220	Cloudy	Moderate	Mid-Flood	S	1	13:10	7.82	8.22	29.95	22.4	2.52	6	115	0.208	W
B4	20191220	Cloudy	Moderate	Mid-Flood	S	1	13:10	7.78	8.18	29.34	22.03	2.73	7	115	0.307	NW
C1A	20191220	Cloudy	Moderate	Mid-Flood	B	8.9	14:12	7.86	8.03	29.56	22.14	3.43	7	115	0.221	W
C1A	20191220	Cloudy	Moderate	Mid-Flood	B	8.9	14:12	7.53	8.14	29.2	22.35	2.92	8	115	0.183	W
C1A	20191220	Cloudy	Moderate	Mid-Flood	M	4.95	14:13	7.64	8.22	29.36	22.11	3.08	6	115	0.212	W
C1A	20191220	Cloudy	Moderate	Mid-Flood	M	4.95	14:13	7.73	8.11	29.64	22.17	2.6	7	115	0.233	W
C1A	20191220	Cloudy	Moderate	Mid-Flood	S	1	14:14	7.91	7.97	29.95	22.02	2.83	5	114	0.241	W
C1A	20191220	Cloudy	Moderate	Mid-Flood	S	1	14:14	7.53	8.1	29.57	22.19	2.61	5	115	0.186	W
C2A	20191220	Cloudy	Moderate	Mid-Flood	B	10.8	12:07	7.44	8.16	29.58	21.95	3.25	7	114	0.213	W
C2A	20191220	Cloudy	Moderate	Mid-Flood	B	10.8	12:07	7.39	8.13	29.92	22.21	3.13	8	116	0.262	W
C2A	20191220	Cloudy	Moderate	Mid-Flood	M	5.9	12:08	7.48	7.97	29.64	22.15	3.03	8	114	0.214	W
C2A	20191220	Cloudy	Moderate	Mid-Flood	M	5.9	12:08	7.33	8.13	29.89	22.35	3.1	7	115	0.262	W
C2A	20191220	Cloudy	Moderate	Mid-Flood	S	1	12:09	7.61	8.2	29.47	21.93	2.93	7	115	0.255	W
C2A	20191220	Cloudy	Moderate	Mid-Flood	S	1	12:09	7.29	7.99	29.41	22.11	2.65	7	116	0.239	W
CR1	20191220	Cloudy	Moderate	Mid-Flood	B	11.9	12:31	7.66	7.96	29.66	22.32	2.91	8	115	0.224	NW

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
CR1	20191220	Cloudy	Moderate	Mid-Flood	B	11.9	12:31	7.91	8.14	29.41	22.02	3.44	7	115	0.182	W
CR1	20191220	Cloudy	Moderate	Mid-Flood	M	6.45	12:32	7.65	8.04	29.9	22.14	2.75	8	114	0.179	W
CR1	20191220	Cloudy	Moderate	Mid-Flood	M	6.45	12:32	7.36	8.07	29.26	22.43	2.67	7	114	0.315	W
CR1	20191220	Cloudy	Moderate	Mid-Flood	S	1	12:33	7.31	7.96	29.25	22.35	2.43	10	114	0.304	W
CR1	20191220	Cloudy	Moderate	Mid-Flood	S	1	12:33	7.57	8.22	29.52	22	2.42	11	115	0.202	NW
CR2	20191220	Cloudy	Moderate	Mid-Flood	B	9.8	12:59	7.84	8.15	29.49	22.24	2.91	8	115	0.275	NW
CR2	20191220	Cloudy	Moderate	Mid-Flood	B	9.8	12:59	7.74	8.04	29.71	22.07	2.92	7	114	0.247	W
CR2	20191220	Cloudy	Moderate	Mid-Flood	M	5.4	13:00	7.48	7.96	29.48	22.1	3.01	9	115	0.26	W
CR2	20191220	Cloudy	Moderate	Mid-Flood	M	5.4	13:00	7.28	8.21	29.92	22.43	2.75	8	113	0.266	W
CR2	20191220	Cloudy	Moderate	Mid-Flood	S	1	13:01	7.62	7.96	29.83	22.07	2.4	10	114	0.222	NW
CR2	20191220	Cloudy	Moderate	Mid-Flood	S	1	13:01	7.88	8.15	29.75	22.15	2.72	10	116	0.217	W
F1A	20191220	Cloudy	Moderate	Mid-Flood	B	7.6	12:42	7.29	8.09	29.72	22.38	3.33	6	115	0.187	W
F1A	20191220	Cloudy	Moderate	Mid-Flood	B	7.6	12:42	7.68	8.01	29.66	22.43	3.31	5	114	0.302	W
F1A	20191220	Cloudy	Moderate	Mid-Flood	M	4.3	12:43	7.67	8.07	29.28	22.22	3.03	6	114	0.305	W
F1A	20191220	Cloudy	Moderate	Mid-Flood	M	4.3	12:43	7.64	8.07	29.34	22.04	2.81	6	114	0.259	NW
F1A	20191220	Cloudy	Moderate	Mid-Flood	S	1	12:44	7.47	8.15	29.82	22.15	2.77	7	114	0.236	W
F1A	20191220	Cloudy	Moderate	Mid-Flood	S	1	12:44	7.88	8.05	29.69	22.07	2.81	6	114	0.211	NW
H1	20191220	Cloudy	Moderate	Mid-Flood	B	7	13:31	7.53	8.02	29.25	22.15	3.25	6	116	0.244	W
H1	20191220	Cloudy	Moderate	Mid-Flood	B	7	13:31	7.91	7.96	29.86	22.15	3.2	7	116	0.306	NW
H1	20191220	Cloudy	Moderate	Mid-Flood	M	4	13:32	7.65	8.06	29.66	22.37	3.05	8	114	0.23	NW
H1	20191220	Cloudy	Moderate	Mid-Flood	M	4	13:32	7.84	8.03	29.21	22.34	2.65	8	113	0.258	W
H1	20191220	Cloudy	Moderate	Mid-Flood	S	1	13:33	7.91	8.18	29.92	22.31	2.35	9	116	0.192	W
H1	20191220	Cloudy	Moderate	Mid-Flood	S	1	13:33	7.45	8.16	29.78	22.23	2.74	8	115	0.208	W
M1	20191220	Cloudy	Moderate	Mid-Flood	B	6.8	12:20	7.32	8.12	29.34	22.04	3.35	8	114	0.255	W
M1	20191220	Cloudy	Moderate	Mid-Flood	B	6.8	12:20	7.68	8.12	29.82	22.36	2.89	8	114	0.178	W
M1	20191220	Cloudy	Moderate	Mid-Flood	M	3.9	12:21	7.88	8.17	29.52	22.14	2.7	8	115	0.319	W
M1	20191220	Cloudy	Moderate	Mid-Flood	M	3.9	12:21	7.56	8.06	29.36	22.4	2.69	9	115	0.304	W
M1	20191220	Cloudy	Moderate	Mid-Flood	S	1	12:22	7.33	8.08	29.42	22	2.77	9	114	0.216	W

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
M1	20191220	Cloudy	Moderate	Mid-Flood	S	1	12:22	7.47	8.2	29.56	21.98	2.6	9	114	0.307	NW
S1	20191220	Cloudy	Moderate	Mid-Flood	B	4.3	13:58	7.41	8.09	29.82	22.22	3.39	6	116	0.206	W
S1	20191220	Cloudy	Moderate	Mid-Flood	B	4.3	13:58	7.72	8	29.8	22.3	2.97	7	116	0.211	NW
S1	20191220	Cloudy	Moderate	Mid-Flood	S	1	13:59	7.89	8.22	29.72	22.23	2.5	7	115	0.227	W
S1	20191220	Cloudy	Moderate	Mid-Flood	S	1	13:59	7.35	8.23	29.75	22.28	2.48	6	116	0.248	W
S2A	20191220	Cloudy	Moderate	Mid-Flood	B	8.1	13:23	7.87	8.11	29.94	22.24	3.11	8	115	0.202	W
S2A	20191220	Cloudy	Moderate	Mid-Flood	B	8.1	13:23	7.81	8.1	29.52	22.11	3.15	8	115	0.31	NW
S2A	20191220	Cloudy	Moderate	Mid-Flood	M	4.55	13:24	7.45	8.02	29.4	22.07	2.57	9	115	0.219	W
S2A	20191220	Cloudy	Moderate	Mid-Flood	M	4.55	13:24	7.56	8.07	29.29	22.26	3.02	10	115	0.238	W
S2A	20191220	Cloudy	Moderate	Mid-Flood	S	1	13:25	7.37	8.11	29.83	22.15	2.93	12	114	0.319	NW
S2A	20191220	Cloudy	Moderate	Mid-Flood	S	1	13:25	7.79	8.11	29.65	22.08	2.59	10	115	0.32	W
S3	20191220	Cloudy	Moderate	Mid-Flood	B	8.5	12:49	7.72	8.03	29.74	22.29	3.18	9	115	0.251	W
S3	20191220	Cloudy	Moderate	Mid-Flood	B	8.5	12:49	7.76	8.19	29.32	22.03	3.19	9	114	0.287	W
S3	20191220	Cloudy	Moderate	Mid-Flood	M	4.75	12:50	7.57	8.09	29.7	22.37	2.54	8	115	0.198	W
S3	20191220	Cloudy	Moderate	Mid-Flood	M	4.75	12:50	7.59	8.12	29.67	22.01	2.83	9	114	0.283	NW
S3	20191220	Cloudy	Moderate	Mid-Flood	S	1	12:51	7.84	8.01	29.38	22.15	2.97	8	114	0.29	NW
S3	20191220	Cloudy	Moderate	Mid-Flood	S	1	12:51	7.71	8.13	29.24	22.2	2.52	9	116	0.282	W
B1	20191222	Cloudy	Moderate	Mid-Ebb	B	3.6	8:58	7.08	7.97	29.7	21.45	3.04	3	114	0.251	E
B1	20191222	Cloudy	Moderate	Mid-Ebb	B	3.6	8:58	6.67	8.03	29.86	21.29	3.37	3	114	0.236	SE
B1	20191222	Cloudy	Moderate	Mid-Ebb	S	1	8:59	6.87	8.17	29.49	21.43	2.5	4	113	0.15	SE
B1	20191222	Cloudy	Moderate	Mid-Ebb	S	1	8:59	6.91	8.24	29.4	21.53	2.51	3	114	0.28	SE
B2	20191222	Cloudy	Moderate	Mid-Ebb	B	4.4	9:19	6.89	8.2	29.46	21.52	2.99	4	114	0.226	SE
B2	20191222	Cloudy	Moderate	Mid-Ebb	B	4.4	9:19	7.23	8.1	29.42	21.67	2.89	4	114	0.213	SE
B2	20191222	Cloudy	Moderate	Mid-Ebb	S	1	9:20	6.78	8.1	29.62	21.74	2.62	4	113	0.18	SE
B2	20191222	Cloudy	Moderate	Mid-Ebb	S	1	9:20	6.95	8.06	29.75	21.39	2.64	4	114	0.282	E
B3	20191222	Cloudy	Moderate	Mid-Ebb	B	4.5	9:36	6.66	8.17	29.83	21.67	3.31	4	114	0.148	SE
B3	20191222	Cloudy	Moderate	Mid-Ebb	B	4.5	9:36	7.22	7.98	29.51	21.38	3.25	4	113	0.219	SE
B3	20191222	Cloudy	Moderate	Mid-Ebb	S	1	9:37	6.84	8.16	29.57	21.6	2.64	4	113	0.19	E

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B3	20191222	Cloudy	Moderate	Mid-Ebb	S	1	9:37	6.71	8.03	29.82	21.76	2.74	4	114	0.25	E
B4	20191222	Cloudy	Moderate	Mid-Ebb	B	3.1	9:26	6.65	8.19	29.44	21.41	3.04	3	114	0.132	SE
B4	20191222	Cloudy	Moderate	Mid-Ebb	B	3.1	9:26	6.87	8.11	29.72	21.51	3.38	4	113	0.278	SE
B4	20191222	Cloudy	Moderate	Mid-Ebb	S	1	9:27	6.79	8.08	29.72	21.75	2.61	3	113	0.153	SE
B4	20191222	Cloudy	Moderate	Mid-Ebb	S	1	9:27	7.2	8.14	29.74	21.64	2.37	3	114	0.189	E
C1A	20191222	Cloudy	Moderate	Mid-Ebb	B	9.3	8:30	6.83	8.16	29.63	21.43	3.32	4	113	0.22	SE
C1A	20191222	Cloudy	Moderate	Mid-Ebb	B	9.3	8:30	6.89	8.19	29.88	21.32	3.13	5	114	0.252	E
C1A	20191222	Cloudy	Moderate	Mid-Ebb	M	5.15	8:31	7.18	7.99	29.58	21.38	2.74	4	114	0.221	E
C1A	20191222	Cloudy	Moderate	Mid-Ebb	M	5.15	8:31	7.06	8.12	29.66	21.23	2.81	3	114	0.232	SE
C1A	20191222	Cloudy	Moderate	Mid-Ebb	S	1	8:32	6.89	7.96	29.87	21.24	2.33	4	114	0.219	SE
C1A	20191222	Cloudy	Moderate	Mid-Ebb	S	1	8:32	6.71	8.1	29.77	21.3	2.38	3	114	0.231	SE
C2A	20191222	Cloudy	Moderate	Mid-Ebb	B	11.4	10:26	6.77	8	29.35	21.72	3.18	5	113	0.262	E
C2A	20191222	Cloudy	Moderate	Mid-Ebb	B	11.4	10:26	7.02	8.2	29.63	21.78	3.18	4	114	0.136	SE
C2A	20191222	Cloudy	Moderate	Mid-Ebb	M	6.2	10:27	7.05	8.06	29.42	21.54	2.36	4	114	0.272	SE
C2A	20191222	Cloudy	Moderate	Mid-Ebb	M	6.2	10:27	7.07	8.18	29.74	21.7	2.85	5	114	0.135	SE
C2A	20191222	Cloudy	Moderate	Mid-Ebb	S	1	10:28	6.67	8.23	29.52	21.5	2.56	4	113	0.237	E
C2A	20191222	Cloudy	Moderate	Mid-Ebb	S	1	10:28	6.97	8.21	29.82	21.85	2.78	3	114	0.17	SE
CR1	20191222	Cloudy	Moderate	Mid-Ebb	B	12.2	10:32	6.77	8.11	29.44	21.84	3.37	3	114	0.14	SE
CR1	20191222	Cloudy	Moderate	Mid-Ebb	B	12.2	10:32	6.97	8.15	29.82	21.41	3.42	4	113	0.253	SE
CR1	20191222	Cloudy	Moderate	Mid-Ebb	M	6.6	10:33	7.08	8.2	29.48	21.49	2.61	5	114	0.232	E
CR1	20191222	Cloudy	Moderate	Mid-Ebb	M	6.6	10:33	7.02	8.22	29.84	21.71	2.7	4	114	0.207	SE
CR1	20191222	Cloudy	Moderate	Mid-Ebb	S	1	10:34	6.68	8.02	29.51	21.67	2.44	4	114	0.129	SE
CR1	20191222	Cloudy	Moderate	Mid-Ebb	S	1	10:34	7.01	7.96	29.32	21.51	2.88	4	113	0.139	SE
CR2	20191222	Cloudy	Moderate	Mid-Ebb	B	9.8	10:05	6.75	8.07	29.9	21.6	3.09	3	113	0.188	SE
CR2	20191222	Cloudy	Moderate	Mid-Ebb	B	9.8	10:05	6.69	8.04	29.46	21.62	3.02	3	113	0.265	SE
CR2	20191222	Cloudy	Moderate	Mid-Ebb	M	5.4	10:06	6.99	8.15	29.67	21.78	2.93	3	114	0.229	E
CR2	20191222	Cloudy	Moderate	Mid-Ebb	M	5.4	10:06	6.64	8.17	29.46	21.57	2.61	3	112	0.187	SE
CR2	20191222	Cloudy	Moderate	Mid-Ebb	S	1	10:07	6.63	8.11	29.81	21.54	2.56	3	114	0.265	SE

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
CR2	20191222	Cloudy	Moderate	Mid-Ebb	S	1	10:07	6.88	8.23	29.72	21.42	2.62	4	113	0.134	E
F1A	20191222	Cloudy	Moderate	Mid-Ebb	B	7.4	8:59	6.66	8.09	29.4	21.63	3.33	4	114	0.268	E
F1A	20191222	Cloudy	Moderate	Mid-Ebb	B	7.4	8:59	7.24	8.08	29.59	21.47	3.43	5	113	0.131	SE
F1A	20191222	Cloudy	Moderate	Mid-Ebb	M	4.2	9:00	7.18	8.06	29.67	21.79	2.38	3	114	0.179	E
F1A	20191222	Cloudy	Moderate	Mid-Ebb	M	4.2	9:00	6.97	8.03	29.71	21.61	2.91	4	113	0.259	SE
F1A	20191222	Cloudy	Moderate	Mid-Ebb	S	1	9:01	7.11	8	29.32	21.74	2.81	4	114	0.17	SE
F1A	20191222	Cloudy	Moderate	Mid-Ebb	S	1	9:01	7.28	8.24	29.47	21.48	2.57	4	114	0.218	SE
H1	20191222	Cloudy	Moderate	Mid-Ebb	B	7.4	9:59	6.9	8	29.41	21.79	3.32	4	114	0.127	E
H1	20191222	Cloudy	Moderate	Mid-Ebb	B	7.4	9:59	7.09	7.99	29.32	21.65	3.26	4	114	0.202	SE
H1	20191222	Cloudy	Moderate	Mid-Ebb	M	4.2	10:00	6.79	8.23	29.4	21.44	2.52	4	113	0.273	SE
H1	20191222	Cloudy	Moderate	Mid-Ebb	M	4.2	10:00	7.26	8.13	29.34	21.78	2.54	4	114	0.211	E
H1	20191222	Cloudy	Moderate	Mid-Ebb	S	1	10:01	7.01	8.02	29.58	21.67	2.63	5	114	0.171	SE
H1	20191222	Cloudy	Moderate	Mid-Ebb	S	1	10:01	7.19	8.2	29.4	21.53	2.39	4	114	0.26	SE
M1	20191222	Cloudy	Moderate	Mid-Ebb	B	8.2	8:36	7.11	8.16	29.87	21.8	3.24	4	114	0.25	SE
M1	20191222	Cloudy	Moderate	Mid-Ebb	B	8.2	8:36	7.02	8.24	29.65	21.43	2.93	5	113	0.262	SE
M1	20191222	Cloudy	Moderate	Mid-Ebb	M	4.6	8:37	7.11	8.1	29.7	21.58	2.89	4	113	0.137	SE
M1	20191222	Cloudy	Moderate	Mid-Ebb	M	4.6	8:37	6.88	8.1	29.81	21.7	2.56	4	114	0.238	E
M1	20191222	Cloudy	Moderate	Mid-Ebb	S	1	8:38	6.93	7.98	29.76	21.34	2.48	3	113	0.147	SE
M1	20191222	Cloudy	Moderate	Mid-Ebb	S	1	8:38	7.14	8.07	29.75	21.59	2.33	3	114	0.282	E
S1	20191222	Cloudy	Moderate	Mid-Ebb	B	4.5	9:08	7.03	8.08	29.36	21.51	3.23	3	114	0.144	SE
S1	20191222	Cloudy	Moderate	Mid-Ebb	B	4.5	9:08	6.75	8.01	29.72	21.55	3	2	113	0.16	SE
S1	20191222	Cloudy	Moderate	Mid-Ebb	S	1	9:09	6.81	8.03	29.42	21.57	2.44	4	114	0.193	E
S1	20191222	Cloudy	Moderate	Mid-Ebb	S	1	9:09	6.75	8.21	29.62	21.74	2.72	4	114	0.263	SE
S2A	20191222	Cloudy	Moderate	Mid-Ebb	B	7.7	9:41	7.29	8.13	29.31	21.47	2.95	4	113	0.178	E
S2A	20191222	Cloudy	Moderate	Mid-Ebb	B	7.7	9:41	6.95	8.19	29.73	21.44	3.17	3	114	0.165	SE
S2A	20191222	Cloudy	Moderate	Mid-Ebb	M	4.35	9:42	6.76	8.08	29.75	21.63	2.51	4	114	0.186	SE
S2A	20191222	Cloudy	Moderate	Mid-Ebb	M	4.35	9:42	7.02	8.03	29.74	21.5	2.43	4	113	0.132	SE
S2A	20191222	Cloudy	Moderate	Mid-Ebb	S	1	9:43	7.22	8.24	29.73	21.38	2.6	4	114	0.258	SE

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
S2A	20191222	Cloudy	Moderate	Mid-Ebb	S	1	9:43	7.01	7.98	29.9	21.61	2.75	5	113	0.275	SE
S3	20191222	Cloudy	Moderate	Mid-Ebb	B	10.2	10:18	6.71	8.04	29.86	21.72	3.28	4	113	0.222	SE
S3	20191222	Cloudy	Moderate	Mid-Ebb	B	10.2	10:18	6.88	8.11	29.39	21.68	3.08	5	114	0.22	E
S3	20191222	Cloudy	Moderate	Mid-Ebb	M	5.6	10:19	6.87	7.98	29.9	21.73	2.45	5	114	0.13	SE
S3	20191222	Cloudy	Moderate	Mid-Ebb	M	5.6	10:19	6.89	8.03	29.81	21.71	2.61	5	114	0.249	E
S3	20191222	Cloudy	Moderate	Mid-Ebb	S	1	10:20	7.14	8.06	29.66	21.51	2.55	4	114	0.263	E
S3	20191222	Cloudy	Moderate	Mid-Ebb	S	1	10:20	6.8	8.24	29.62	21.51	2.78	4	113	0.276	SE
B1	20191222	Cloudy	Moderate	Mid-Flood	B	3.8	14:00	6.76	7.98	29.64	22.01	2.9	3	113	0.185	NW
B1	20191222	Cloudy	Moderate	Mid-Flood	B	3.8	14:00	6.98	8.2	29.51	22.16	3.28	3	114	0.2	W
B1	20191222	Cloudy	Moderate	Mid-Flood	S	1	14:01	6.86	8.17	29.94	22.05	2.83	3	113	0.277	W
B1	20191222	Cloudy	Moderate	Mid-Flood	S	1	14:01	7.04	8.11	29.36	22.48	2.75	3	112	0.206	NW
B2	20191222	Cloudy	Moderate	Mid-Flood	B	3.4	14:20	6.84	8	29.7	22.08	3.06	4	114	0.283	W
B2	20191222	Cloudy	Moderate	Mid-Flood	B	3.4	14:20	6.68	8.21	29.55	22.29	3.35	3	113	0.167	W
B2	20191222	Cloudy	Moderate	Mid-Flood	S	1	14:21	6.79	8.18	29.28	22.3	2.45	3	112	0.163	NW
B2	20191222	Cloudy	Moderate	Mid-Flood	S	1	14:21	7	8.21	29.47	22.44	2.91	3	113	0.267	W
B3	20191222	Cloudy	Moderate	Mid-Flood	B	3.5	15:06	7.07	8.12	29.52	22.27	3.56	5	113	0.171	W
B3	20191222	Cloudy	Moderate	Mid-Flood	B	3.5	15:06	7.12	7.95	29.95	21.84	3.26	4	113	0.28	W
B3	20191222	Cloudy	Moderate	Mid-Flood	S	1	15:07	7.16	8.07	29.6	21.97	2.64	3	112	0.191	NW
B3	20191222	Cloudy	Moderate	Mid-Flood	S	1	15:07	6.59	8.07	29.65	22.25	2.64	3	113	0.218	W
B4	20191222	Cloudy	Moderate	Mid-Flood	B	4.5	14:55	7.05	8.23	29.45	22.2	3.15	4	114	0.239	W
B4	20191222	Cloudy	Moderate	Mid-Flood	B	4.5	14:55	6.96	8.12	29.27	22.35	3.24	4	113	0.191	W
B4	20191222	Cloudy	Moderate	Mid-Flood	S	1	14:56	6.68	8.2	29.45	22.08	2.55	4	113	0.269	W
B4	20191222	Cloudy	Moderate	Mid-Flood	S	1	14:56	6.65	8.13	29.49	22.26	2.99	5	113	0.256	W
C1A	20191222	Cloudy	Moderate	Mid-Flood	B	8.9	13:33	7.11	8.17	29.27	22.18	3.39	5	113	0.214	W
C1A	20191222	Cloudy	Moderate	Mid-Flood	B	8.9	13:33	6.98	8.22	29.65	22.37	2.88	5	114	0.165	W
C1A	20191222	Cloudy	Moderate	Mid-Flood	M	4.95	13:34	6.83	8.06	29.66	22.38	2.7	4	112	0.302	NW
C1A	20191222	Cloudy	Moderate	Mid-Flood	M	4.95	13:34	7.18	8.14	29.89	22.36	2.95	4	112	0.267	W
C1A	20191222	Cloudy	Moderate	Mid-Flood	S	1	13:35	6.71	8.01	29.8	22.38	2.68	4	113	0.237	W

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
C1A	20191222	Cloudy	Moderate	Mid-Flood	S	1	13:35	6.63	8.21	29.84	22.07	2.67	2	113	0.204	W
C2A	20191222	Cloudy	Moderate	Mid-Flood	B	10.6	13:33	6.96	7.95	29.55	22.04	3.03	4	113	0.172	W
C2A	20191222	Cloudy	Moderate	Mid-Flood	B	10.6	13:33	6.8	8.18	29.22	22.3	3.25	5	114	0.275	W
C2A	20191222	Cloudy	Moderate	Mid-Flood	M	5.8	13:34	7.03	8.17	29.31	22.05	2.91	4	114	0.22	W
C2A	20191222	Cloudy	Moderate	Mid-Flood	M	5.8	13:34	6.66	7.96	29.28	22.1	2.69	4	113	0.168	W
C2A	20191222	Cloudy	Moderate	Mid-Flood	S	1	13:35	7.09	8.08	29.73	21.93	2.43	4	113	0.231	NW
C2A	20191222	Cloudy	Moderate	Mid-Flood	S	1	13:35	6.62	8.04	29.27	22.42	2.82	4	113	0.159	NW
CR1	20191222	Cloudy	Moderate	Mid-Flood	B	12	15:37	6.98	8.13	29.5	22.04	3.16	4	114	0.264	W
CR1	20191222	Cloudy	Moderate	Mid-Flood	B	12	15:37	7.15	8.17	29.23	21.8	3.29	4	113	0.21	NW
CR1	20191222	Cloudy	Moderate	Mid-Flood	M	6.5	15:38	6.82	7.97	29.25	21.98	2.94	5	114	0.214	W
CR1	20191222	Cloudy	Moderate	Mid-Flood	M	6.5	15:38	7.21	8.18	29.27	21.98	2.75	4	114	0.188	W
CR1	20191222	Cloudy	Moderate	Mid-Flood	S	1	15:39	6.67	8.17	29.95	21.8	2.94	6	113	0.301	W
CR1	20191222	Cloudy	Moderate	Mid-Flood	S	1	15:39	6.61	8.03	29.67	22.18	2.72	7	114	0.256	W
CR2	20191222	Cloudy	Moderate	Mid-Flood	B	10.9	15:07	6.6	8.12	29.6	22.31	3	3	114	0.165	W
CR2	20191222	Cloudy	Moderate	Mid-Flood	B	10.9	15:07	6.6	8.05	29.37	22.3	3.23	3	114	0.209	W
CR2	20191222	Cloudy	Moderate	Mid-Flood	M	5.95	15:08	7.07	7.97	29.32	22.11	2.87	3	113	0.194	W
CR2	20191222	Cloudy	Moderate	Mid-Flood	M	5.95	15:08	6.68	7.99	29.62	22.38	2.89	3	113	0.232	W
CR2	20191222	Cloudy	Moderate	Mid-Flood	S	1	15:09	6.61	8.1	29.91	22.26	2.62	4	114	0.177	W
CR2	20191222	Cloudy	Moderate	Mid-Flood	S	1	15:09	6.72	7.96	29.27	22.24	2.77	3	114	0.218	W
F1A	20191222	Cloudy	Moderate	Mid-Flood	B	7.2	14:32	6.91	8.17	29.23	22.1	3.3	6	114	0.212	W
F1A	20191222	Cloudy	Moderate	Mid-Flood	B	7.2	14:32	6.82	8.07	29.31	22.45	3.19	7	113	0.272	NW
F1A	20191222	Cloudy	Moderate	Mid-Flood	M	4.1	14:33	7.15	8.14	29.82	22.01	2.54	7	113	0.238	W
F1A	20191222	Cloudy	Moderate	Mid-Flood	M	4.1	14:33	6.94	8.05	29.39	22.22	2.75	6	112	0.172	W
F1A	20191222	Cloudy	Moderate	Mid-Flood	S	1	14:34	7.12	8.09	29.75	22.17	2.7	4	113	0.185	W
F1A	20191222	Cloudy	Moderate	Mid-Flood	S	1	14:34	6.73	8.07	29.69	22.19	2.8	5	113	0.207	W
H1	20191222	Cloudy	Moderate	Mid-Flood	B	6.7	15:29	6.6	8.07	29.8	21.81	2.95	4	113	0.27	W
H1	20191222	Cloudy	Moderate	Mid-Flood	B	6.7	15:29	7.13	7.99	29.72	22.18	3.26	3	113	0.164	NW
H1	20191222	Cloudy	Moderate	Mid-Flood	M	3.85	15:30	7.06	8.18	29.57	21.83	3.13	4	113	0.189	W

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
H1	20191222	Cloudy	Moderate	Mid-Flood	M	3.85	15:30	6.79	8.2	29.81	21.77	2.79	5	113	0.245	W
H1	20191222	Cloudy	Moderate	Mid-Flood	S	1	15:31	6.76	8.04	29.26	22.12	2.66	5	113	0.229	W
H1	20191222	Cloudy	Moderate	Mid-Flood	S	1	15:31	7.11	8.02	29.72	22.02	2.54	4	113	0.197	W
M1	20191222	Cloudy	Moderate	Mid-Flood	B	7.7	14:05	7.06	8.22	29.25	22.08	3.34	4	114	0.209	NW
M1	20191222	Cloudy	Moderate	Mid-Flood	B	7.7	14:05	6.78	8.21	29.4	22.01	3.21	4	113	0.284	NW
M1	20191222	Cloudy	Moderate	Mid-Flood	M	4.35	14:06	6.96	8.22	29.77	22.03	3.08	5	114	0.253	NW
M1	20191222	Cloudy	Moderate	Mid-Flood	M	4.35	14:06	6.97	7.96	29.92	22.04	2.99	5	114	0.267	W
M1	20191222	Cloudy	Moderate	Mid-Flood	S	1	14:07	6.83	8.11	29.51	22.44	2.88	4	113	0.265	W
M1	20191222	Cloudy	Moderate	Mid-Flood	S	1	14:07	6.69	8.13	29.21	22.27	2.36	4	114	0.226	W
S1	20191222	Cloudy	Moderate	Mid-Flood	B	4.8	14:11	7.18	8.18	29.46	22.14	3.12	4	113	0.22	W
S1	20191222	Cloudy	Moderate	Mid-Flood	B	4.8	14:11	6.91	8.19	29.72	22.39	2.95	4	113	0.285	W
S1	20191222	Cloudy	Moderate	Mid-Flood	S	1	14:12	6.71	8.22	29.67	22.34	2.75	5	114	0.252	W
S1	20191222	Cloudy	Moderate	Mid-Flood	S	1	14:12	7.08	8.08	29.52	22.22	2.69	5	113	0.254	NW
S2A	20191222	Cloudy	Moderate	Mid-Flood	B	8.9	14:45	6.72	8.14	29.77	22.25	3.43	4	114	0.169	W
S2A	20191222	Cloudy	Moderate	Mid-Flood	B	8.9	14:45	7.06	8.23	29.6	22.43	3.2	3	113	0.222	W
S2A	20191222	Cloudy	Moderate	Mid-Flood	M	4.95	14:46	6.84	8.16	29.44	22.15	3.1	4	115	0.242	W
S2A	20191222	Cloudy	Moderate	Mid-Flood	M	4.95	14:46	6.84	7.95	29.74	22.15	3.1	3	114	0.294	W
S2A	20191222	Cloudy	Moderate	Mid-Flood	S	1	14:47	7.04	8.05	29.57	22.44	2.67	4	113	0.245	W
S2A	20191222	Cloudy	Moderate	Mid-Flood	S	1	14:47	6.64	7.98	29.36	22.17	2.69	4	114	0.174	NW
S3	20191222	Cloudy	Moderate	Mid-Flood	B	8.8	15:19	7.08	7.99	29.83	21.94	3.16	4	114	0.287	W
S3	20191222	Cloudy	Moderate	Mid-Flood	B	8.8	15:19	7.14	8.12	29.88	21.93	3.42	3	113	0.239	W
S3	20191222	Cloudy	Moderate	Mid-Flood	M	4.9	15:20	7.21	8.21	29.78	22.31	2.7	4	113	0.195	W
S3	20191222	Cloudy	Moderate	Mid-Flood	M	4.9	15:20	7.14	7.97	29.72	22.39	2.76	3	113	0.17	W
S3	20191222	Cloudy	Moderate	Mid-Flood	S	1	15:21	6.71	7.95	29.45	21.84	2.8	4	113	0.242	W
S3	20191222	Cloudy	Moderate	Mid-Flood	S	1	15:21	7	8.16	29.2	21.83	2.76	5	114	0.211	W
B1	20191224	Sunny	Moderate	Mid-Ebb	B	3.8	10:09	7.74	8.23	30.66	22.57	2.95	6	113	0.129	SE
B1	20191224	Sunny	Moderate	Mid-Ebb	B	3.8	10:09	8.39	8.29	30.4	22.39	3.08	6	114	0.262	E
B1	20191224	Sunny	Moderate	Mid-Ebb	S	1	10:10	7.89	8.15	30.82	22.23	2.8	8	113	0.27	SE

Contract No. EP/SP/66/12
 Integrated Waste Management Facilities, Phase 1
 Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B1	20191224	Sunny	Moderate	Mid-Ebb	S	1	10:10	8.21	8.23	30.47	22.57	2.56	7	114	0.247	SE
B2	20191224	Sunny	Moderate	Mid-Ebb	B	4.6	10:33	8.48	8.26	30.8	22.72	3.4	11	114	0.157	SE
B2	20191224	Sunny	Moderate	Mid-Ebb	B	4.6	10:33	8.11	8.09	30.48	22.42	3.43	11	115	0.266	SE
B2	20191224	Sunny	Moderate	Mid-Ebb	S	1	10:34	8.39	8.3	30.3	22.57	2.43	5	114	0.188	E
B2	20191224	Sunny	Moderate	Mid-Ebb	S	1	10:34	8.23	8.26	30.37	22.74	2.63	5	114	0.142	E
B3	20191224	Sunny	Moderate	Mid-Ebb	B	3.7	11:02	8.12	8.23	30.33	22.64	3.26	13	113	0.171	SE
B3	20191224	Sunny	Moderate	Mid-Ebb	B	3.7	11:02	7.73	8.12	30.9	22.75	3.28	13	114	0.229	SE
B3	20191224	Sunny	Moderate	Mid-Ebb	S	1	11:03	8.08	8.32	30.95	22.66	2.39	10	114	0.253	E
B3	20191224	Sunny	Moderate	Mid-Ebb	S	1	11:03	7.91	8.27	30.49	22.79	2.55	9	113	0.135	SE
B4	20191224	Sunny	Moderate	Mid-Ebb	B	4.1	10:50	8.35	8.08	30.68	22.63	3.15	10	114	0.13	SE
B4	20191224	Sunny	Moderate	Mid-Ebb	B	4.1	10:50	8.27	8.14	30.41	22.58	3.21	10	114	0.117	SE
B4	20191224	Sunny	Moderate	Mid-Ebb	S	1	10:51	8.18	8.19	30.53	22.69	2.47	7	114	0.266	SE
B4	20191224	Sunny	Moderate	Mid-Ebb	S	1	10:51	7.63	8.29	30.6	22.51	2.72	6	114	0.147	E
C1A	20191224	Sunny	Moderate	Mid-Ebb	B	10	9:49	8.33	8.06	30.8	22.38	3.44	7	114	0.253	E
C1A	20191224	Sunny	Moderate	Mid-Ebb	B	10	9:49	7.8	8.29	30.55	22.56	3.33	6	114	0.211	SE
C1A	20191224	Sunny	Moderate	Mid-Ebb	M	5.5	9:50	7.91	8.27	30.95	22.63	2.93	10	113	0.193	E
C1A	20191224	Sunny	Moderate	Mid-Ebb	M	5.5	9:50	7.72	8.08	30.82	22.57	2.35	9	114	0.155	SE
C1A	20191224	Sunny	Moderate	Mid-Ebb	S	1	9:51	8.09	8.27	30.46	22.17	2.46	12	113	0.275	SE
C1A	20191224	Sunny	Moderate	Mid-Ebb	S	1	9:51	7.66	8.31	30.39	22.64	2.9	12	113	0.21	SE
C2A	20191224	Sunny	Moderate	Mid-Ebb	B	11.4	11:47	7.77	8.32	30.47	22.43	3.35	10	114	0.255	SE
C2A	20191224	Sunny	Moderate	Mid-Ebb	B	11.4	11:47	8.27	8.15	30.94	22.5	3.39	10	113	0.204	E
C2A	20191224	Sunny	Moderate	Mid-Ebb	M	6.2	11:48	8.27	8.11	30.73	22.4	2.93	9	113	0.135	SE
C2A	20191224	Sunny	Moderate	Mid-Ebb	M	6.2	11:48	8.48	8.21	30.89	22.74	2.76	9	114	0.181	SE
C2A	20191224	Sunny	Moderate	Mid-Ebb	S	1	11:49	8.41	8.31	30.76	22.74	2.47	8	114	0.171	SE
C2A	20191224	Sunny	Moderate	Mid-Ebb	S	1	11:49	8.4	8.32	30.59	22.59	2.78	7	113	0.199	SE
CR1	20191224	Sunny	Moderate	Mid-Ebb	B	12.8	11:48	7.9	8.14	30.34	22.53	2.91	11	114	0.159	SE
CR1	20191224	Sunny	Moderate	Mid-Ebb	B	12.8	11:48	8.27	8.25	30.52	22.81	2.92	10	114	0.144	SE
CR1	20191224	Sunny	Moderate	Mid-Ebb	M	6.9	11:49	8.28	8.25	30.91	22.68	2.63	8	114	0.265	SE

Contract No. EP/SP/66/12
 Integrated Waste Management Facilities, Phase 1
 Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
CR1	20191224	Sunny	Moderate	Mid-Ebb	M	6.9	11:49	8.17	8.07	30.32	22.82	2.53	9	114	0.143	E
CR1	20191224	Sunny	Moderate	Mid-Ebb	S	1	11:50	7.69	8.06	30.55	22.51	2.76	7	114	0.172	SE
CR1	20191224	Sunny	Moderate	Mid-Ebb	S	1	11:50	8.23	8.17	30.38	22.7	2.67	8	114	0.26	E
CR2	20191224	Sunny	Moderate	Mid-Ebb	B	11.1	11:18	7.72	8.34	30.61	22.6	3.16	12	113	0.277	SE
CR2	20191224	Sunny	Moderate	Mid-Ebb	B	11.1	11:18	7.81	8.34	30.36	22.49	3.23	13	114	0.239	SE
CR2	20191224	Sunny	Moderate	Mid-Ebb	M	6.05	11:19	7.75	8.08	30.38	22.73	2.55	12	114	0.175	SE
CR2	20191224	Sunny	Moderate	Mid-Ebb	M	6.05	11:19	8.24	8.28	30.38	22.75	2.48	12	114	0.277	E
CR2	20191224	Sunny	Moderate	Mid-Ebb	S	1	11:20	7.74	8.07	30.82	22.79	2.64	10	114	0.186	SE
CR2	20191224	Sunny	Moderate	Mid-Ebb	S	1	11:20	8.29	8.33	30.97	22.61	2.49	9	113	0.122	SE
F1A	20191224	Sunny	Moderate	Mid-Ebb	B	6.9	10:24	7.84	8.17	30.76	22.26	3.15	6	113	0.282	SE
F1A	20191224	Sunny	Moderate	Mid-Ebb	B	6.9	10:24	7.84	8.26	30.32	22.49	3.44	4	114	0.216	SE
F1A	20191224	Sunny	Moderate	Mid-Ebb	M	3.95	10:25	8.11	8.13	30.85	22.27	2.47	9	113	0.277	SE
F1A	20191224	Sunny	Moderate	Mid-Ebb	M	3.95	10:25	7.92	8.15	30.54	22.4	2.57	8	114	0.231	SE
F1A	20191224	Sunny	Moderate	Mid-Ebb	S	1	10:26	8.38	8.27	30.81	22.47	2.89	14	114	0.208	SE
F1A	20191224	Sunny	Moderate	Mid-Ebb	S	1	10:26	8.34	8.22	30.96	22.2	2.55	13	114	0.152	SE
H1	20191224	Sunny	Moderate	Mid-Ebb	B	7.3	11:22	8.06	8.26	30.94	22.69	2.92	6	114	0.189	SE
H1	20191224	Sunny	Moderate	Mid-Ebb	B	7.3	11:22	8.24	8.26	30.81	22.76	3.4	7	114	0.209	SE
H1	20191224	Sunny	Moderate	Mid-Ebb	M	4.15	11:23	7.73	8.27	30.36	22.7	2.92	9	114	0.162	E
H1	20191224	Sunny	Moderate	Mid-Ebb	M	4.15	11:23	8.4	8.17	30.66	22.78	2.45	9	114	0.116	SE
H1	20191224	Sunny	Moderate	Mid-Ebb	S	1	11:24	8.32	8.06	30.6	22.54	2.55	10	113	0.228	E
H1	20191224	Sunny	Moderate	Mid-Ebb	S	1	11:24	8.29	8.1	30.32	22.81	2.38	11	114	0.252	SE
M1	20191224	Sunny	Moderate	Mid-Ebb	B	8.5	9:53	8.04	8.17	30.76	22.17	3.06	12	114	0.225	SE
M1	20191224	Sunny	Moderate	Mid-Ebb	B	8.5	9:53	8.43	8.16	30.78	22.34	3.32	13	114	0.178	SE
M1	20191224	Sunny	Moderate	Mid-Ebb	M	4.75	9:54	7.64	8.32	30.42	22.25	2.38	9	114	0.209	SE
M1	20191224	Sunny	Moderate	Mid-Ebb	M	4.75	9:54	7.66	8.08	30.3	22.35	2.75	10	114	0.181	SE
M1	20191224	Sunny	Moderate	Mid-Ebb	S	1	9:55	8.35	8.32	30.33	22.22	2.82	7	113	0.123	SE
M1	20191224	Sunny	Moderate	Mid-Ebb	S	1	9:55	7.77	8.24	30.5	22.3	2.4	8	113	0.165	SE
S1	20191224	Sunny	Moderate	Mid-Ebb	B	3.9	10:22	8.3	8.24	30.64	22.56	2.87	13	114	0.264	E

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
S1	20191224	Sunny	Moderate	Mid-Ebb	B	3.9	10:22	7.98	8.23	30.93	22.2	3.31	14	113	0.274	SE
S1	20191224	Sunny	Moderate	Mid-Ebb	S	1	10:23	7.68	8.28	30.76	22.62	2.9	5	113	0.176	SE
S1	20191224	Sunny	Moderate	Mid-Ebb	S	1	10:23	8.11	8.21	30.96	22.4	2.39	6	114	0.132	E
S2A	20191224	Sunny	Moderate	Mid-Ebb	B	8.3	10:57	7.91	8.21	30.42	22.45	3.43	6	113	0.123	SE
S2A	20191224	Sunny	Moderate	Mid-Ebb	B	8.3	10:57	8.34	8.13	30.65	22.37	3.25	5	113	0.273	SE
S2A	20191224	Sunny	Moderate	Mid-Ebb	M	4.65	10:58	7.62	8.14	30.79	22.44	2.41	6	114	0.213	SE
S2A	20191224	Sunny	Moderate	Mid-Ebb	M	4.65	10:58	7.96	8.15	30.4	22.51	2.87	4	114	0.224	SE
S2A	20191224	Sunny	Moderate	Mid-Ebb	S	1	10:59	7.85	8.26	30.35	22.66	2.4	6	113	0.208	SE
S2A	20191224	Sunny	Moderate	Mid-Ebb	S	1	10:59	8.44	8.08	30.59	22.61	2.72	8	112	0.218	E
S3	20191224	Sunny	Moderate	Mid-Ebb	B	10.5	11:28	7.7	8.2	30.42	22.61	3.22	10	114	0.177	E
S3	20191224	Sunny	Moderate	Mid-Ebb	B	10.5	11:28	8.05	8.32	30.55	22.81	3.14	11	113	0.252	SE
S3	20191224	Sunny	Moderate	Mid-Ebb	M	5.75	11:29	8.38	8.09	30.51	22.6	2.37	7	113	0.267	E
S3	20191224	Sunny	Moderate	Mid-Ebb	M	5.75	11:29	7.79	8.08	30.5	22.57	2.72	7	114	0.255	E
S3	20191224	Sunny	Moderate	Mid-Ebb	S	1	11:30	7.93	8.18	30.37	22.56	2.43	5	113	0.275	SE
S3	20191224	Sunny	Moderate	Mid-Ebb	S	1	11:30	8.48	8.09	30.78	22.72	2.7	6	113	0.136	E
B1	20191224	Sunny	Moderate	Mid-Flood	B	4.4	15:10	7.49	8.29	30.39	22.26	2.95	6	113	0.311	W
B1	20191224	Sunny	Moderate	Mid-Flood	B	4.4	15:10	7.71	8.31	30.35	22.42	3.01	5	113	0.179	W
B1	20191224	Sunny	Moderate	Mid-Flood	S	1	15:11	8.24	8.2	30.88	22.33	2.45	4	113	0.195	NW
B1	20191224	Sunny	Moderate	Mid-Flood	S	1	15:11	7.97	8.08	30.45	22.25	2.42	4	113	0.283	NW
B2	20191224	Sunny	Moderate	Mid-Flood	B	3.6	15:32	7.75	8.07	30.51	22.32	3.24	6	114	0.241	W
B2	20191224	Sunny	Moderate	Mid-Flood	B	3.6	15:32	7.46	8.29	30.48	22.41	3.33	7	113	0.297	NW
B2	20191224	Sunny	Moderate	Mid-Flood	S	1	15:33	7.97	8.05	30.42	22.5	2.91	4	113	0.189	W
B2	20191224	Sunny	Moderate	Mid-Flood	S	1	15:33	7.86	8.24	30.43	22.49	2.53	4	114	0.284	W
B3	20191224	Sunny	Moderate	Mid-Flood	B	3.9	16:25	7.99	8.05	30.32	22.15	3.07	5	113	0.2	W
B3	20191224	Sunny	Moderate	Mid-Flood	B	3.9	16:25	7.77	8.27	30.23	22.25	3.09	5	114	0.302	NW
B3	20191224	Sunny	Moderate	Mid-Flood	S	1	16:26	7.58	8.21	30.35	22.1	2.48	6	114	0.271	NW
B3	20191224	Sunny	Moderate	Mid-Flood	S	1	16:26	7.97	8.3	30.63	22.42	2.54	6	114	0.217	W
B4	20191224	Sunny	Moderate	Mid-Flood	B	4.1	16:16	7.53	8.14	30.35	22.17	3.11	5	114	0.254	W

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B4	20191224	Sunny	Moderate	Mid-Flood	B	4.1	16:16	7.59	8.32	30.51	22.13	3.05	4	114	0.166	W
B4	20191224	Sunny	Moderate	Mid-Flood	S	1	16:17	7.53	8.3	30.93	22.39	2.67	6	114	0.298	W
B4	20191224	Sunny	Moderate	Mid-Flood	S	1	16:17	7.33	8.29	30.26	22.34	2.71	6	114	0.283	W
C1A	20191224	Sunny	Moderate	Mid-Flood	B	10.2	14:47	7.74	8.01	30.21	22.54	3.3	9	113	0.316	W
C1A	20191224	Sunny	Moderate	Mid-Flood	B	10.2	14:47	8.2	8.06	30.48	22.34	3.43	8	114	0.252	W
C1A	20191224	Sunny	Moderate	Mid-Flood	M	5.6	14:48	7.36	8.29	30.62	22.46	2.61	6	114	0.166	W
C1A	20191224	Sunny	Moderate	Mid-Flood	M	5.6	14:48	7.98	8.28	30.39	22.59	2.88	7	114	0.2	W
C1A	20191224	Sunny	Moderate	Mid-Flood	S	1	14:49	7.63	8.27	30.82	22.15	2.58	5	114	0.254	W
C1A	20191224	Sunny	Moderate	Mid-Flood	S	1	14:49	7.4	8.19	30.43	22.43	2.71	5	113	0.239	W
C2A	20191224	Sunny	Moderate	Mid-Flood	B	11	14:47	7.7	8.11	30.36	22.52	3.16	7	113	0.181	W
C2A	20191224	Sunny	Moderate	Mid-Flood	B	11	14:47	8.01	8.34	30.44	22.33	3.36	8	113	0.176	W
C2A	20191224	Sunny	Moderate	Mid-Flood	M	6	14:48	7.98	8.33	30.7	22.29	2.58	8	114	0.257	NW
C2A	20191224	Sunny	Moderate	Mid-Flood	M	6	14:48	8.03	8.31	30.27	22.34	3	8	114	0.24	W
C2A	20191224	Sunny	Moderate	Mid-Flood	S	1	14:49	8.31	8.33	30.26	22.4	2.53	5	114	0.162	W
C2A	20191224	Sunny	Moderate	Mid-Flood	S	1	14:49	7.78	8.07	30.47	22.16	2.85	5	113	0.152	W
CR1	20191224	Sunny	Moderate	Mid-Flood	B	12	16:47	7.52	8.31	30.67	22.35	2.93	8	114	0.269	W
CR1	20191224	Sunny	Moderate	Mid-Flood	B	12	16:47	7.8	8.22	30.91	22.35	3.42	8	114	0.296	W
CR1	20191224	Sunny	Moderate	Mid-Flood	M	6.5	16:48	8	8.12	30.53	22.25	2.55	7	114	0.282	NW
CR1	20191224	Sunny	Moderate	Mid-Flood	M	6.5	16:48	7.64	8.09	30.41	21.86	3.03	8	114	0.318	W
CR1	20191224	Sunny	Moderate	Mid-Flood	S	1	16:49	7.31	8.26	30.95	21.96	2.45	5	113	0.167	W
CR1	20191224	Sunny	Moderate	Mid-Flood	S	1	16:49	7.31	8.06	30.2	22.24	2.45	6	114	0.279	W
CR2	20191224	Sunny	Moderate	Mid-Flood	B	10.6	16:17	8.14	8.13	30.91	22.36	3.45	12	114	0.294	W
CR2	20191224	Sunny	Moderate	Mid-Flood	B	10.6	16:17	8.2	8.18	30.43	22.15	3.29	12	114	0.146	W
CR2	20191224	Sunny	Moderate	Mid-Flood	M	5.8	16:18	7.65	8.12	30.5	22.27	2.75	8	114	0.255	NW
CR2	20191224	Sunny	Moderate	Mid-Flood	M	5.8	16:18	7.99	8.1	30.45	22.38	2.82	8	114	0.227	W
CR2	20191224	Sunny	Moderate	Mid-Flood	S	1	16:19	8.15	8.28	30.46	22.43	2.56	8	114	0.17	NW
CR2	20191224	Sunny	Moderate	Mid-Flood	S	1	16:19	8.29	8.03	30.76	22.38	2.63	8	113	0.194	W
F1A	20191224	Sunny	Moderate	Mid-Flood	B	6.6	15:52	7.61	8.11	30.93	22.42	3.05	7	113	0.156	W

Contract No. EP/SP/66/12
 Integrated Waste Management Facilities, Phase 1
 Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
F1A	20191224	Sunny	Moderate	Mid-Flood	B	6.6	15:52	7.94	8.27	30.82	22.12	3.4	6	114	0.309	W
F1A	20191224	Sunny	Moderate	Mid-Flood	M	3.8	15:53	7.74	8.27	30.42	22.29	2.96	8	113	0.289	W
F1A	20191224	Sunny	Moderate	Mid-Flood	M	3.8	15:53	7.41	8.18	30.82	22.43	2.62	8	114	0.251	NW
F1A	20191224	Sunny	Moderate	Mid-Flood	S	1	15:54	7.29	8.32	30.57	22.12	2.93	11	113	0.142	W
F1A	20191224	Sunny	Moderate	Mid-Flood	S	1	15:54	8.16	8.34	30.61	22.34	2.45	10	113	0.158	W
H1	20191224	Sunny	Moderate	Mid-Flood	B	7.3	16:42	7.83	8.11	30.59	22.22	2.98	4	114	0.218	W
H1	20191224	Sunny	Moderate	Mid-Flood	B	7.3	16:42	7.77	8.32	30.59	21.87	3.27	5	112	0.176	W
H1	20191224	Sunny	Moderate	Mid-Flood	M	4.15	16:43	7.83	8.08	30.77	22.19	2.61	6	113	0.178	NW
H1	20191224	Sunny	Moderate	Mid-Flood	M	4.15	16:43	7.84	8.01	30.55	22.13	3.01	5	113	0.232	W
H1	20191224	Sunny	Moderate	Mid-Flood	S	1	16:44	7.95	8.19	30.79	22.32	2.91	8	114	0.277	NW
H1	20191224	Sunny	Moderate	Mid-Flood	S	1	16:44	7.94	8.12	30.72	22.26	2.62	9	114	0.171	W
M1	20191224	Sunny	Moderate	Mid-Flood	B	6.5	15:21	7.57	8.06	30.72	22.44	2.97	5	113	0.174	W
M1	20191224	Sunny	Moderate	Mid-Flood	B	6.5	15:21	8.19	8.34	30.82	22.52	3.03	5	114	0.18	W
M1	20191224	Sunny	Moderate	Mid-Flood	M	3.75	15:22	7.94	8.24	30.77	22.58	2.9	6	114	0.148	W
M1	20191224	Sunny	Moderate	Mid-Flood	M	3.75	15:22	7.74	8	30.94	22.35	2.55	5	114	0.256	W
M1	20191224	Sunny	Moderate	Mid-Flood	S	1	15:23	8.11	8	30.38	22.31	2.69	9	113	0.26	W
M1	20191224	Sunny	Moderate	Mid-Flood	S	1	15:23	8.31	8.27	30.9	22.27	2.5	9	113	0.252	W
S1	20191224	Sunny	Moderate	Mid-Flood	B	4.2	15:20	7.28	8.14	30.57	22.55	3.26	6	112	0.299	W
S1	20191224	Sunny	Moderate	Mid-Flood	B	4.2	15:20	7.71	8.17	30.94	22.56	3.3	7	114	0.179	W
S1	20191224	Sunny	Moderate	Mid-Flood	S	1	15:21	8.17	8.14	30.57	22.48	2.39	4	114	0.202	W
S1	20191224	Sunny	Moderate	Mid-Flood	S	1	15:21	7.37	8.36	30.95	22.32	2.53	4	113	0.314	W
S2A	20191224	Sunny	Moderate	Mid-Flood	B	8.9	15:56	7.46	8.35	30.85	22.36	3.17	8	113	0.195	W
S2A	20191224	Sunny	Moderate	Mid-Flood	B	8.9	15:56	7.86	8.23	30.82	22.13	3.24	9	114	0.146	W
S2A	20191224	Sunny	Moderate	Mid-Flood	M	4.95	15:57	8.1	8.27	30.56	22.4	2.61	6	113	0.318	W
S2A	20191224	Sunny	Moderate	Mid-Flood	M	4.95	15:57	8.28	8.2	30.79	22.22	2.96	7	114	0.191	W
S2A	20191224	Sunny	Moderate	Mid-Flood	S	1	15:58	8.28	8.3	30.53	22.29	2.38	6	114	0.194	NW
S2A	20191224	Sunny	Moderate	Mid-Flood	S	1	15:58	7.64	8.24	30.58	22.23	2.68	6	114	0.154	W
S3	20191224	Sunny	Moderate	Mid-Flood	B	9.2	16:27	7.6	8.08	30.48	22.08	3.43	7	114	0.299	NW

Contract No. EP/SP/66/12
 Integrated Waste Management Facilities, Phase 1
 Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
S3	20191224	Sunny	Moderate	Mid-Flood	B	9.2	16:27	7.63	8.29	30.36	22.05	3.56	6	114	0.299	W
S3	20191224	Sunny	Moderate	Mid-Flood	M	5.1	16:28	7.65	8.23	30.45	22.32	2.82	7	114	0.289	W
S3	20191224	Sunny	Moderate	Mid-Flood	M	5.1	16:28	8.15	8.25	30.8	22.29	2.79	7	114	0.144	W
S3	20191224	Sunny	Moderate	Mid-Flood	S	1	16:29	8.03	8.3	30.38	22.31	2.68	9	113	0.311	W
S3	20191224	Sunny	Moderate	Mid-Flood	S	1	16:29	7.83	8.03	30.83	22.4	2.55	9	114	0.185	W
B1	20191227	Sunny	Moderate	Mid-Ebb	B	4	12:50	8.04	8.27	31.19	21.9	3.64	9	113	0.152	SE
B1	20191227	Sunny	Moderate	Mid-Ebb	B	4	12:50	8.55	8.12	31.27	21.75	3.76	8	114	0.148	SE
B1	20191227	Sunny	Moderate	Mid-Ebb	S	1	12:51	8.17	8.34	31.25	21.34	2.74	6	113	0.155	E
B1	20191227	Sunny	Moderate	Mid-Ebb	S	1	12:51	8.54	8.21	31.29	21.77	2.8	7	113	0.178	SE
B2	20191227	Sunny	Moderate	Mid-Ebb	B	4	13:16	8.58	8.27	31.34	21.41	3.2	11	113	0.185	SE
B2	20191227	Sunny	Moderate	Mid-Ebb	B	4	13:16	8.11	8.2	31.47	21.78	3.27	10	112	0.273	SE
B2	20191227	Sunny	Moderate	Mid-Ebb	S	1	13:17	8.56	8.23	31.58	21.39	2.99	8	112	0.2	SE
B2	20191227	Sunny	Moderate	Mid-Ebb	S	1	13:17	8.18	8.32	31.16	21.35	3.2	8	114	0.23	SE
B3	20191227	Sunny	Moderate	Mid-Ebb	B	3.5	13:33	8.09	8.23	31.52	21.75	3.69	13	113	0.197	SE
B3	20191227	Sunny	Moderate	Mid-Ebb	B	3.5	13:33	8.16	8.27	31.57	21.89	3.54	12	112	0.271	E
B3	20191227	Sunny	Moderate	Mid-Ebb	S	1	13:34	8.46	8.19	31.36	21.36	2.67	8	112	0.175	E
B3	20191227	Sunny	Moderate	Mid-Ebb	S	1	13:34	8.57	8.14	31.19	21.49	2.91	10	113	0.168	E
B4	20191227	Sunny	Moderate	Mid-Ebb	B	3.5	13:23	8.55	8.13	31.59	21.69	3.32	12	112	0.261	SE
B4	20191227	Sunny	Moderate	Mid-Ebb	B	3.5	13:23	8.48	8.27	31.63	21.83	3.53	12	114	0.198	E
B4	20191227	Sunny	Moderate	Mid-Ebb	S	1	13:24	8.41	8.3	31.33	21.85	2.93	10	112	0.166	E
B4	20191227	Sunny	Moderate	Mid-Ebb	S	1	13:24	8.33	8.19	31.59	21.41	2.74	10	112	0.192	E
C1A	20191227	Sunny	Moderate	Mid-Ebb	B	8.5	12:25	8.45	8.28	31.26	21.55	3.31	9	114	0.158	E
C1A	20191227	Sunny	Moderate	Mid-Ebb	B	8.5	12:25	8.04	8.27	31.66	21.87	3.26	10	114	0.22	SE
C1A	20191227	Sunny	Moderate	Mid-Ebb	M	4.75	12:26	8.53	8.18	31.38	21.56	3.01	8	114	0.118	SE
C1A	20191227	Sunny	Moderate	Mid-Ebb	M	4.75	12:26	8.39	8.12	31.21	21.87	2.77	7	113	0.13	E
C1A	20191227	Sunny	Moderate	Mid-Ebb	S	1	12:27	8.53	8.15	31.41	21.76	2.68	8	113	0.124	SE
C1A	20191227	Sunny	Moderate	Mid-Ebb	S	1	12:27	8.07	8.31	31.55	21.89	2.81	8	112	0.28	E
C2A	20191227	Sunny	Moderate	Mid-Ebb	B	10.4	14:15	8.26	8.34	31.42	21.32	3.44	8	113	0.189	SE

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
C2A	20191227	Sunny	Moderate	Mid-Ebb	B	10.4	14:15	8.52	8.2	31.65	21.78	3.29	9	114	0.145	E
C2A	20191227	Sunny	Moderate	Mid-Ebb	M	5.7	14:16	8.34	8.13	31.49	21.61	3.13	9	114	0.183	SE
C2A	20191227	Sunny	Moderate	Mid-Ebb	M	5.7	14:16	8.31	8.3	31.17	21.3	3.08	8	114	0.22	SE
C2A	20191227	Sunny	Moderate	Mid-Ebb	S	1	14:17	8.33	8.14	31.18	21.9	2.74	8	114	0.267	SE
C2A	20191227	Sunny	Moderate	Mid-Ebb	S	1	14:17	8.18	8.31	31.53	21.5	2.75	7	114	0.233	SE
CR1	20191227	Sunny	Moderate	Mid-Ebb	B	12.4	14:35	8.57	8.13	31.45	21.67	3.55	9	113	0.13	SE
CR1	20191227	Sunny	Moderate	Mid-Ebb	B	12.4	14:35	8.55	8.25	31.34	21.31	3.61	10	113	0.264	SE
CR1	20191227	Sunny	Moderate	Mid-Ebb	M	6.7	14:36	8.32	8.12	31.14	21.38	3.24	9	114	0.265	SE
CR1	20191227	Sunny	Moderate	Mid-Ebb	M	6.7	14:36	8.59	8.13	31.41	21.43	2.78	8	113	0.158	SE
CR1	20191227	Sunny	Moderate	Mid-Ebb	S	1	14:37	8.45	8.24	31.59	21.84	3.12	8	115	0.198	E
CR1	20191227	Sunny	Moderate	Mid-Ebb	S	1	14:37	8.17	8.3	31.46	21.65	2.71	8	114	0.172	SE
CR2	20191227	Sunny	Moderate	Mid-Ebb	B	9.8	14:08	8.11	8.31	31.48	21.83	3.61	10	113	0.178	E
CR2	20191227	Sunny	Moderate	Mid-Ebb	B	9.8	14:08	8.31	8.27	31.32	21.59	3.46	10	113	0.129	SE
CR2	20191227	Sunny	Moderate	Mid-Ebb	M	5.4	14:09	8.13	8.3	31.66	21.73	2.78	9	114	0.19	E
CR2	20191227	Sunny	Moderate	Mid-Ebb	M	5.4	14:09	8.56	8.29	31.47	21.69	3.1	8	114	0.168	SE
CR2	20191227	Sunny	Moderate	Mid-Ebb	S	1	14:10	8.35	8.22	31.35	21.87	3.21	8	113	0.181	SE
CR2	20191227	Sunny	Moderate	Mid-Ebb	S	1	14:10	8.04	8.25	31.26	21.49	3.12	8	113	0.222	E
F1A	20191227	Sunny	Moderate	Mid-Ebb	B	7.9	12:54	8.16	8.11	31.62	21.62	3.29	12	114	0.21	E
F1A	20191227	Sunny	Moderate	Mid-Ebb	B	7.9	12:54	8.52	8.27	31.24	21.76	3.56	11	114	0.277	SE
F1A	20191227	Sunny	Moderate	Mid-Ebb	M	4.45	12:55	8.29	8.22	31.45	21.57	3.09	11	113	0.163	SE
F1A	20191227	Sunny	Moderate	Mid-Ebb	M	4.45	12:55	8.32	8.2	31.4	21.77	2.98	11	114	0.143	SE
F1A	20191227	Sunny	Moderate	Mid-Ebb	S	1	12:56	8.02	8.26	31.42	21.42	3.19	9	113	0.22	SE
F1A	20191227	Sunny	Moderate	Mid-Ebb	S	1	12:56	8.5	8.31	31.52	21.85	2.78	8	114	0.234	SE
H1	20191227	Sunny	Moderate	Mid-Ebb	B	7.5	13:52	8.47	8.3	31.44	21.41	3.41	8	113	0.254	SE
H1	20191227	Sunny	Moderate	Mid-Ebb	B	7.5	13:52	8.48	8.19	31.52	21.64	3.47	8	112	0.132	SE
H1	20191227	Sunny	Moderate	Mid-Ebb	M	4.25	13:53	8.43	8.26	31.41	21.34	2.83	10	113	0.257	E
H1	20191227	Sunny	Moderate	Mid-Ebb	M	4.25	13:53	8.04	8.12	31.57	21.83	2.69	10	113	0.243	SE
H1	20191227	Sunny	Moderate	Mid-Ebb	S	1	13:54	8.15	8.12	31.36	21.33	3.17	10	112	0.146	E

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
H1	20191227	Sunny	Moderate	Mid-Ebb	S	1	13:54	8.1	8.29	31.41	21.6	3.06	10	111	0.19	SE
M1	20191227	Sunny	Moderate	Mid-Ebb	B	7.7	12:27	8.13	8.18	31.32	21.74	3.18	8	114	0.116	E
M1	20191227	Sunny	Moderate	Mid-Ebb	B	7.7	12:27	8.05	8.32	31.42	21.85	3.43	9	114	0.222	SE
M1	20191227	Sunny	Moderate	Mid-Ebb	M	4.35	12:28	8.2	8.26	31.38	21.9	3.13	8	114	0.247	SE
M1	20191227	Sunny	Moderate	Mid-Ebb	M	4.35	12:28	8.21	8.21	31.27	21.59	2.81	8	114	0.15	E
M1	20191227	Sunny	Moderate	Mid-Ebb	S	1	12:29	8.28	8.33	31.39	21.45	3.13	8	113	0.197	SE
M1	20191227	Sunny	Moderate	Mid-Ebb	S	1	12:29	8.25	8.33	31.5	21.46	2.75	7	113	0.187	SE
S1	20191227	Sunny	Moderate	Mid-Ebb	B	3.9	13:02	8.22	8.25	31.65	21.6	3.46	10	114	0.121	E
S1	20191227	Sunny	Moderate	Mid-Ebb	B	3.9	13:02	8.36	8.33	31.32	21.71	3.24	10	114	0.227	SE
S1	20191227	Sunny	Moderate	Mid-Ebb	S	1	13:03	8.31	8.15	31.47	21.77	3.19	9	113	0.183	SE
S1	20191227	Sunny	Moderate	Mid-Ebb	S	1	13:03	8.07	8.28	31.66	21.31	3.17	8	114	0.197	E
S2A	20191227	Sunny	Moderate	Mid-Ebb	B	8.4	13:41	8.09	8.2	31.51	21.61	3.71	13	114	0.238	SE
S2A	20191227	Sunny	Moderate	Mid-Ebb	B	8.4	13:41	8.1	8.15	31.52	21.43	3.32	13	113	0.142	E
S2A	20191227	Sunny	Moderate	Mid-Ebb	M	4.7	13:42	8.09	8.28	31.3	21.45	3.14	11	114	0.264	SE
S2A	20191227	Sunny	Moderate	Mid-Ebb	M	4.7	13:42	8.54	8.17	31.68	21.34	2.79	11	113	0.174	E
S2A	20191227	Sunny	Moderate	Mid-Ebb	S	1	13:43	8.45	8.25	31.31	21.69	3.09	10	114	0.198	E
S2A	20191227	Sunny	Moderate	Mid-Ebb	S	1	13:43	8.47	8.21	31.44	21.9	2.93	10	114	0.214	E
S3	20191227	Sunny	Moderate	Mid-Ebb	B	9	14:19	8.55	8.22	31.52	21.61	3.69	11	114	0.14	E
S3	20191227	Sunny	Moderate	Mid-Ebb	B	9	14:19	8.41	8.27	31.43	21.66	3.35	12	114	0.202	SE
S3	20191227	Sunny	Moderate	Mid-Ebb	M	5	14:20	8.5	8.17	31.13	21.87	2.84	9	114	0.196	E
S3	20191227	Sunny	Moderate	Mid-Ebb	M	5	14:20	8.3	8.22	31.59	21.79	2.74	9	113	0.157	SE
S3	20191227	Sunny	Moderate	Mid-Ebb	S	1	14:21	8.25	8.14	31.51	21.57	3.23	7	114	0.274	E
S3	20191227	Sunny	Moderate	Mid-Ebb	S	1	14:21	8.57	8.27	31.64	21.66	2.84	8	113	0.186	SE
B1	20191227	Sunny	Moderate	Mid-Flood	B	3.6	15:54	8.23	8.31	31.64	21.03	3.75	7	113	0.174	W
B1	20191227	Sunny	Moderate	Mid-Flood	B	3.6	15:54	7.97	8.12	31.45	21.22	3.72	7	114	0.301	NW
B1	20191227	Sunny	Moderate	Mid-Flood	S	1	15:55	8	8.28	31.36	21.09	2.98	6	114	0.253	W
B1	20191227	Sunny	Moderate	Mid-Flood	S	1	15:55	8.25	8.13	31.25	21.42	3.02	5	114	0.196	W
B2	20191227	Sunny	Moderate	Mid-Flood	B	4	16:20	7.95	8.18	31.71	21.23	3.39	9	114	0.213	W

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B2	20191227	Sunny	Moderate	Mid-Flood	B	4	16:20	8.27	8.11	31.2	21.26	3.57	9	113	0.166	W
B2	20191227	Sunny	Moderate	Mid-Flood	S	1	16:21	7.97	8.16	31.41	21.08	2.92	9	114	0.31	W
B2	20191227	Sunny	Moderate	Mid-Flood	S	1	16:21	8.08	8.11	31.35	21.01	2.85	8	114	0.138	W
B3	20191227	Sunny	Moderate	Mid-Flood	B	4	17:02	7.88	8.26	31.49	21.38	3.35	8	113	0.152	W
B3	20191227	Sunny	Moderate	Mid-Flood	B	4	17:02	7.85	8.34	31.93	21.29	3.54	9	113	0.196	NW
B3	20191227	Sunny	Moderate	Mid-Flood	S	1	17:03	8.23	8.37	31.22	21.17	3.17	7	114	0.294	NW
B3	20191227	Sunny	Moderate	Mid-Flood	S	1	17:03	7.99	8.35	31.79	21.38	3.01	6	113	0.156	W
B4	20191227	Sunny	Moderate	Mid-Flood	B	4	16:52	7.92	8.1	31.53	21.06	3.88	10	113	0.23	NW
B4	20191227	Sunny	Moderate	Mid-Flood	B	4	16:52	8.09	8.11	31.46	21.25	3.43	11	113	0.295	W
B4	20191227	Sunny	Moderate	Mid-Flood	S	1	16:53	7.96	8.38	31.91	21.1	3.19	8	114	0.245	W
B4	20191227	Sunny	Moderate	Mid-Flood	S	1	16:53	7.93	8.08	31.5	21.22	2.77	7	114	0.273	W
C1A	20191227	Sunny	Moderate	Mid-Flood	B	9.8	15:29	8.1	8.11	31.92	21.14	3.49	9	113	0.285	W
C1A	20191227	Sunny	Moderate	Mid-Flood	B	9.8	15:29	7.87	8.27	31.84	21.31	3.47	8	114	0.23	W
C1A	20191227	Sunny	Moderate	Mid-Flood	M	5.4	15:30	7.99	8.22	31.37	21.44	3.18	9	114	0.254	W
C1A	20191227	Sunny	Moderate	Mid-Flood	M	5.4	15:30	7.93	8.12	31.91	21.24	3.17	8	113	0.322	W
C1A	20191227	Sunny	Moderate	Mid-Flood	S	1	15:31	8.1	8.11	31.52	21.49	3.01	7	114	0.303	W
C1A	20191227	Sunny	Moderate	Mid-Flood	S	1	15:31	7.86	8.37	31.83	21.25	3.18	8	114	0.173	W
C2A	20191227	Sunny	Moderate	Mid-Flood	B	10.3	15:29	7.96	8.36	31.85	21.1	3.45	11	113	0.297	W
C2A	20191227	Sunny	Moderate	Mid-Flood	B	10.3	15:29	7.96	8.35	31.65	21.11	3.73	11	114	0.222	W
C2A	20191227	Sunny	Moderate	Mid-Flood	M	5.65	15:30	8.28	8.37	31.36	21.33	3.29	10	114	0.247	W
C2A	20191227	Sunny	Moderate	Mid-Flood	M	5.65	15:30	8.16	8.24	31.73	21.45	3.41	11	113	0.17	W
C2A	20191227	Sunny	Moderate	Mid-Flood	S	1	15:31	8.05	8.14	31.9	21.34	3.03	8	114	0.27	W
C2A	20191227	Sunny	Moderate	Mid-Flood	S	1	15:31	7.97	8.08	31.91	21.16	3.02	8	114	0.148	W
CR1	20191227	Sunny	Moderate	Mid-Flood	B	11.3	17:31	7.95	8.26	31.54	21.13	3.72	10	112	0.157	W
CR1	20191227	Sunny	Moderate	Mid-Flood	B	11.3	17:31	8.23	8.15	31.23	21.17	3.72	11	114	0.278	NW
CR1	20191227	Sunny	Moderate	Mid-Flood	M	6.15	17:32	7.99	8.05	31.92	20.95	3.14	9	114	0.271	NW
CR1	20191227	Sunny	Moderate	Mid-Flood	M	6.15	17:32	7.95	8.06	31.21	20.96	3.22	9	114	0.214	NW
CR1	20191227	Sunny	Moderate	Mid-Flood	S	1	17:33	8.25	8.21	31.59	21.12	2.8	6	113	0.174	W

Contract No. EP/SP/66/12
 Integrated Waste Management Facilities, Phase 1
 Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
CR1	20191227	Sunny	Moderate	Mid-Flood	S	1	17:33	8.28	8.05	31.47	21.04	2.65	6	114	0.311	W
CR2	20191227	Sunny	Moderate	Mid-Flood	B	10.4	17:12	8.05	8.3	31.43	21.18	3.75	13	113	0.242	W
CR2	20191227	Sunny	Moderate	Mid-Flood	B	10.4	17:12	8.15	8.06	31.22	21.3	3.53	13	114	0.202	W
CR2	20191227	Sunny	Moderate	Mid-Flood	M	5.7	17:13	8.28	8.12	31.21	21.4	2.9	10	113	0.246	W
CR2	20191227	Sunny	Moderate	Mid-Flood	M	5.7	17:13	8.28	8.15	31.64	21.15	3.13	10	113	0.208	W
CR2	20191227	Sunny	Moderate	Mid-Flood	S	1	17:14	8.04	8.18	31.78	21.37	2.74	10	113	0.178	W
CR2	20191227	Sunny	Moderate	Mid-Flood	S	1	17:14	8.09	8.11	31.53	21.21	3.12	11	114	0.214	W
F1A	20191227	Sunny	Moderate	Mid-Flood	B	7.7	16:28	8.02	8.17	31.87	21.16	3.48	12	113	0.187	W
F1A	20191227	Sunny	Moderate	Mid-Flood	B	7.7	16:28	8.3	8.32	31.49	21.1	3.39	13	114	0.277	W
F1A	20191227	Sunny	Moderate	Mid-Flood	M	4.35	16:29	7.94	8.18	31.71	21.27	3.27	11	114	0.156	NW
F1A	20191227	Sunny	Moderate	Mid-Flood	M	4.35	16:29	8.3	8.09	31.32	21.07	3.16	11	114	0.172	W
F1A	20191227	Sunny	Moderate	Mid-Flood	S	1	16:30	8.04	8.38	31.32	21.04	3.04	10	113	0.271	W
F1A	20191227	Sunny	Moderate	Mid-Flood	S	1	16:30	7.92	8.17	31.78	21.24	3.21	11	113	0.238	W
H1	20191227	Sunny	Moderate	Mid-Flood	B	6.9	17:23	8.3	8.32	31.43	21.09	3.6	10	113	0.278	W
H1	20191227	Sunny	Moderate	Mid-Flood	B	6.9	17:23	8.04	8.24	31.71	21.17	3.65	11	113	0.149	W
H1	20191227	Sunny	Moderate	Mid-Flood	M	3.95	17:24	7.94	8.22	31.65	21.26	3.2	10	112	0.174	W
H1	20191227	Sunny	Moderate	Mid-Flood	M	3.95	17:24	7.85	8.16	31.68	21.1	3.09	10	113	0.217	NW
H1	20191227	Sunny	Moderate	Mid-Flood	S	1	17:25	8.09	8.34	31.4	21.08	2.72	9	114	0.176	W
H1	20191227	Sunny	Moderate	Mid-Flood	S	1	17:25	8.09	8.16	31.36	21.17	2.99	10	113	0.204	W
M1	20191227	Sunny	Moderate	Mid-Flood	B	7	15:59	8.31	8.36	31.8	21.31	3.61	7	113	0.322	W
M1	20191227	Sunny	Moderate	Mid-Flood	B	7	15:59	8.28	8.12	31.4	21.27	3.62	7	114	0.267	W
M1	20191227	Sunny	Moderate	Mid-Flood	M	4	16:00	8.23	8.15	31.31	21.35	3.29	10	114	0.268	W
M1	20191227	Sunny	Moderate	Mid-Flood	M	4	16:00	7.88	8.17	31.84	21.1	3.2	9	114	0.167	NW
M1	20191227	Sunny	Moderate	Mid-Flood	S	1	16:01	8.2	8.15	31.74	21.3	2.78	10	114	0.166	NW
M1	20191227	Sunny	Moderate	Mid-Flood	S	1	16:01	8.07	8.31	31.68	21.27	3.13	11	114	0.26	W
S1	20191227	Sunny	Moderate	Mid-Flood	B	4.8	16:06	8.05	8.35	31.9	21.2	3.49	9	114	0.198	NW
S1	20191227	Sunny	Moderate	Mid-Flood	B	4.8	16:06	8.28	8.18	31.95	21.22	3.21	10	113	0.309	NW
S1	20191227	Sunny	Moderate	Mid-Flood	S	1	16:07	7.85	8.26	31.5	21.32	3.03	8	113	0.255	W

Contract No. EP/SP/66/12
 Integrated Waste Management Facilities, Phase 1
 Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
S1	20191227	Sunny	Moderate	Mid-Flood	S	1	16:07	8.17	8.3	31.64	21.13	2.98	8	112	0.185	W
S2A	20191227	Sunny	Moderate	Mid-Flood	B	8.1	16:45	7.86	8.14	31.5	21.29	3.75	9	114	0.219	NW
S2A	20191227	Sunny	Moderate	Mid-Flood	B	8.1	16:45	7.93	8.1	31.54	21.21	3.61	9	113	0.267	W
S2A	20191227	Sunny	Moderate	Mid-Flood	M	4.55	16:46	8.21	8.05	31.83	21.18	3.34	7	113	0.203	W
S2A	20191227	Sunny	Moderate	Mid-Flood	M	4.55	16:46	8.02	8.2	31.48	21.02	3.12	8	114	0.305	W
S2A	20191227	Sunny	Moderate	Mid-Flood	S	1	16:47	7.86	8.16	31.73	21.21	3.03	6	113	0.211	W
S2A	20191227	Sunny	Moderate	Mid-Flood	S	1	16:47	7.98	8.32	31.91	21.24	2.7	7	114	0.278	W
S3	20191227	Sunny	Moderate	Mid-Flood	B	8.4	17:22	8.21	8.26	31.76	21.27	3.61	7	114	0.154	W
S3	20191227	Sunny	Moderate	Mid-Flood	B	8.4	17:22	8	8.14	31.9	21.28	3.61	7	114	0.196	NW
S3	20191227	Sunny	Moderate	Mid-Flood	M	4.7	17:23	8.06	8.38	31.51	21.09	2.94	7	113	0.204	W
S3	20191227	Sunny	Moderate	Mid-Flood	M	4.7	17:23	7.91	8.3	31.21	21.26	3.23	7	113	0.214	W
S3	20191227	Sunny	Moderate	Mid-Flood	S	1	17:24	7.98	8.13	31.41	21.1	2.99	5	113	0.314	W
S3	20191227	Sunny	Moderate	Mid-Flood	S	1	17:24	8.08	8.09	31.88	21.07	3.25	6	114	0.306	W
B1	20191230	Cloudy	Moderate	Mid-Flood	B	3.5	8:47	8.43	8.35	30.17	20.84	3.43	10	115	0.308	W
B1	20191230	Cloudy	Moderate	Mid-Flood	B	3.5	8:47	7.69	8.17	30.44	20.79	3.15	10	115	0.187	W
B1	20191230	Cloudy	Moderate	Mid-Flood	S	1	8:48	8.1	8.08	30.51	20.79	2.35	7	116	0.141	W
B1	20191230	Cloudy	Moderate	Mid-Flood	S	1	8:48	8.63	8.31	30.6	20.63	2.36	8	115	0.271	W
B2	20191230	Cloudy	Moderate	Mid-Flood	B	3.7	9:07	7.71	8.2	30.57	21.05	3.21	9	116	0.139	W
B2	20191230	Cloudy	Moderate	Mid-Flood	B	3.7	9:07	8.4	8.07	30.58	20.76	3.16	8	116	0.168	W
B2	20191230	Cloudy	Moderate	Mid-Flood	S	1	9:08	8.29	8.22	30.33	21	2.59	8	115	0.213	W
B2	20191230	Cloudy	Moderate	Mid-Flood	S	1	9:08	7.88	8.07	30.21	20.99	2.85	8	116	0.319	W
B3	20191230	Cloudy	Moderate	Mid-Flood	B	4.3	9:06	7.55	8.31	30.36	21.14	3.36	7	116	0.164	W
B3	20191230	Cloudy	Moderate	Mid-Flood	B	4.3	9:06	7.87	8.17	30.5	20.79	3.23	6	115	0.219	W
B3	20191230	Cloudy	Moderate	Mid-Flood	S	1	9:07	8.79	8.26	30.65	21	2.7	10	116	0.302	W
B3	20191230	Cloudy	Moderate	Mid-Flood	S	1	9:07	7.65	8.18	30.12	21.09	2.67	10	116	0.164	W
B4	20191230	Cloudy	Moderate	Mid-Flood	B	3.9	9:15	7.91	8.34	30.12	20.86	3.23	5	116	0.263	W
B4	20191230	Cloudy	Moderate	Mid-Flood	B	3.9	9:15	8.76	8.21	30.31	20.75	3.46	6	116	0.188	W
B4	20191230	Cloudy	Moderate	Mid-Flood	S	1	9:16	7.7	8.27	30.58	20.97	2.95	7	116	0.203	W

Contract No. EP/SP/66/12
 Integrated Waste Management Facilities, Phase 1
 Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B4	20191230	Cloudy	Moderate	Mid-Flood	S	1	9:16	7.75	8.21	30.3	21.13	2.74	6	115	0.217	NW
C1A	20191230	Cloudy	Moderate	Mid-Flood	B	10.7	8:22	7.68	8.34	30.37	20.6	3.02	4	115	0.286	NW
C1A	20191230	Cloudy	Moderate	Mid-Flood	B	10.7	8:22	8.61	8.05	30.53	20.59	3.38	5	115	0.186	W
C1A	20191230	Cloudy	Moderate	Mid-Flood	M	5.85	8:23	8.32	8.19	30.65	20.53	2.85	5	115	0.143	W
C1A	20191230	Cloudy	Moderate	Mid-Flood	M	5.85	8:23	8.11	8.23	30.25	20.76	2.76	4	116	0.223	W
C1A	20191230	Cloudy	Moderate	Mid-Flood	S	1	8:24	7.87	8.08	30.39	20.83	2.91	5	115	0.155	NW
C1A	20191230	Cloudy	Moderate	Mid-Flood	S	1	8:24	7.96	8.36	30.64	20.7	2.89	5	116	0.203	W
C2A	20191230	Cloudy	Moderate	Mid-Flood	B	10.6	8:22	8.07	8.28	30.55	20.73	3.06	6	116	0.322	W
C2A	20191230	Cloudy	Moderate	Mid-Flood	B	10.6	8:22	8.45	8.27	30.23	20.83	3.33	7	115	0.307	W
C2A	20191230	Cloudy	Moderate	Mid-Flood	M	5.8	8:23	8.58	8.08	30.15	20.83	2.56	5	114	0.283	NW
C2A	20191230	Cloudy	Moderate	Mid-Flood	M	5.8	8:23	8	8.28	30.44	20.53	2.69	5	116	0.189	W
C2A	20191230	Cloudy	Moderate	Mid-Flood	S	1	8:24	7.86	8.05	30.41	20.98	2.66	4	115	0.263	W
C2A	20191230	Cloudy	Moderate	Mid-Flood	S	1	8:24	8.34	8.2	30.61	20.76	2.67	5	115	0.204	W
CR1	20191230	Cloudy	Moderate	Mid-Flood	B	11.2	10:23	8.41	8.09	30.27	20.9	2.91	6	115	0.187	W
CR1	20191230	Cloudy	Moderate	Mid-Flood	B	11.2	10:23	8.38	8.35	30.56	20.95	3.17	6	115	0.151	W
CR1	20191230	Cloudy	Moderate	Mid-Flood	M	6.1	10:24	8.23	8.25	30.49	21.2	2.9	6	115	0.139	W
CR1	20191230	Cloudy	Moderate	Mid-Flood	M	6.1	10:24	8.39	8.2	30.42	21.04	2.6	6	116	0.303	W
CR1	20191230	Cloudy	Moderate	Mid-Flood	S	1	10:25	8.11	8.13	30.58	20.82	2.77	5	116	0.148	W
CR1	20191230	Cloudy	Moderate	Mid-Flood	S	1	10:25	7.74	8.06	30.53	21.06	2.38	5	116	0.292	W
CR2	20191230	Cloudy	Moderate	Mid-Flood	B	10.6	9:53	8.54	8.38	30.41	21.13	3.16	4	115	0.238	W
CR2	20191230	Cloudy	Moderate	Mid-Flood	B	10.6	9:53	8.06	8.35	30.17	20.91	3.4	6	115	0.175	W
CR2	20191230	Cloudy	Moderate	Mid-Flood	M	5.8	9:54	7.87	8.32	30.37	21.03	2.81	5	115	0.202	W
CR2	20191230	Cloudy	Moderate	Mid-Flood	M	5.8	9:54	8.05	8.21	30.11	20.96	2.95	6	115	0.292	W
CR2	20191230	Cloudy	Moderate	Mid-Flood	S	1	9:55	8.24	8.18	30.36	20.77	2.55	5	115	0.197	W
CR2	20191230	Cloudy	Moderate	Mid-Flood	S	1	9:55	7.72	8.34	30.3	21	2.51	5	116	0.3	W
F1A	20191230	Cloudy	Moderate	Mid-Flood	B	7.8	9:43	8.59	8.06	30.35	20.96	3.15	3	115	0.192	W
F1A	20191230	Cloudy	Moderate	Mid-Flood	B	7.8	9:43	7.57	8.26	30.27	20.99	3.46	4	115	0.2	NW
F1A	20191230	Cloudy	Moderate	Mid-Flood	M	4.4	9:44	8.25	8.27	30.41	21.17	2.81	4	115	0.27	W

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
F1A	20191230	Cloudy	Moderate	Mid-Flood	M	4.4	9:44	8.32	8.25	30.39	20.83	2.63	3	116	0.252	W
F1A	20191230	Cloudy	Moderate	Mid-Flood	S	1	9:45	8.4	8.28	30.39	20.8	2.56	5	115	0.174	NW
F1A	20191230	Cloudy	Moderate	Mid-Flood	S	1	9:45	8.38	8.31	30.29	21.12	2.58	5	115	0.175	NW
H1	20191230	Cloudy	Moderate	Mid-Flood	B	7.5	8:46	8.78	8.26	30.15	20.82	3.36	4	115	0.256	W
H1	20191230	Cloudy	Moderate	Mid-Flood	B	7.5	8:46	8.26	8.15	30.5	20.6	3.43	4	116	0.186	W
H1	20191230	Cloudy	Moderate	Mid-Flood	M	4.25	8:47	8.74	8.14	30.52	20.67	3.1	5	116	0.222	W
H1	20191230	Cloudy	Moderate	Mid-Flood	M	4.25	8:47	8.69	8.38	30.62	20.65	2.76	4	115	0.262	W
H1	20191230	Cloudy	Moderate	Mid-Flood	S	1	8:48	8.73	8.23	30.42	20.65	2.61	7	115	0.285	W
H1	20191230	Cloudy	Moderate	Mid-Flood	S	1	8:48	7.63	8.36	30.31	20.86	2.48	8	115	0.139	W
M1	20191230	Cloudy	Moderate	Mid-Flood	B	7.7	10:13	7.75	8.08	30.59	21.03	2.96	8	116	0.233	NW
M1	20191230	Cloudy	Moderate	Mid-Flood	B	7.7	10:13	7.79	8.14	30.34	20.89	3.29	8	116	0.26	W
M1	20191230	Cloudy	Moderate	Mid-Flood	M	4.35	10:14	7.67	8.27	30.4	20.91	2.62	8	115	0.164	W
M1	20191230	Cloudy	Moderate	Mid-Flood	M	4.35	10:14	8.4	8.29	30.4	21.23	2.79	7	115	0.315	W
M1	20191230	Cloudy	Moderate	Mid-Flood	S	1	10:15	7.55	8.3	30.46	20.95	2.51	6	114	0.275	W
M1	20191230	Cloudy	Moderate	Mid-Flood	S	1	10:15	8.28	8.35	30.58	21.09	2.7	6	115	0.255	W
S1	20191230	Cloudy	Moderate	Mid-Flood	B	4.4	8:56	8.06	8.22	30.36	20.76	3.3	8	116	0.313	W
S1	20191230	Cloudy	Moderate	Mid-Flood	B	4.4	8:56	7.86	8.16	30.43	20.75	2.91	8	115	0.159	W
S1	20191230	Cloudy	Moderate	Mid-Flood	S	1	8:57	8.57	8.27	30.19	21.03	2.74	4	115	0.218	NW
S1	20191230	Cloudy	Moderate	Mid-Flood	S	1	8:57	7.9	8.27	30.62	20.95	2.52	5	115	0.214	W
S2A	20191230	Cloudy	Moderate	Mid-Flood	B	8.6	9:29	8.09	8.2	30.27	20.9	2.96	7	115	0.244	W
S2A	20191230	Cloudy	Moderate	Mid-Flood	B	8.6	9:29	7.91	8.26	30.12	20.79	3.01	6	115	0.166	W
S2A	20191230	Cloudy	Moderate	Mid-Flood	M	4.8	9:30	7.73	8.19	30.63	21.28	2.66	7	114	0.275	W
S2A	20191230	Cloudy	Moderate	Mid-Flood	M	4.8	9:30	7.7	8.25	30.58	20.82	2.72	6	115	0.225	NW
S2A	20191230	Cloudy	Moderate	Mid-Flood	S	1	9:31	8.44	8.15	30.52	20.79	2.61	5	115	0.26	W
S2A	20191230	Cloudy	Moderate	Mid-Flood	S	1	9:31	8.06	8.21	30.13	20.82	2.49	4	116	0.201	W
S3	20191230	Cloudy	Moderate	Mid-Flood	B	8.6	10:07	8.65	8.29	30.23	20.91	3.49	6	115	0.144	NW
S3	20191230	Cloudy	Moderate	Mid-Flood	B	8.6	10:07	7.67	8.32	30.64	21.24	3.49	5	115	0.21	W
S3	20191230	Cloudy	Moderate	Mid-Flood	M	4.8	10:08	8.74	8.32	30.43	20.94	2.78	5	115	0.18	W

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
S3	20191230	Cloudy	Moderate	Mid-Flood	M	4.8	10:08	8.27	8.32	30.28	21.12	2.95	6	115	0.227	W
S3	20191230	Cloudy	Moderate	Mid-Flood	S	1	10:09	8.25	8.37	30.53	21.13	2.65	5	116	0.221	W
S3	20191230	Cloudy	Moderate	Mid-Flood	S	1	10:09	8.73	8.14	30.58	20.81	2.44	5	114	0.209	W
B1	20191230	Cloudy	Moderate	Mid-Ebb	B	3.9	14:43	8.09	8.06	30.51	21.35	2.91	4	115	0.226	SE
B1	20191230	Cloudy	Moderate	Mid-Ebb	B	3.9	14:43	7.67	8.34	30.16	21.49	3.28	4	115	0.158	E
B1	20191230	Cloudy	Moderate	Mid-Ebb	S	1	14:44	8.45	8	30.68	21.75	2.89	4	115	0.135	E
B1	20191230	Cloudy	Moderate	Mid-Ebb	S	1	14:44	7.34	8.34	30.36	21.23	2.71	4	115	0.187	SE
B2	20191230	Cloudy	Moderate	Mid-Ebb	B	4.9	15:06	8.45	8.1	30.33	21.58	3.11	4	115	0.26	E
B2	20191230	Cloudy	Moderate	Mid-Ebb	B	4.9	15:06	7.64	8.24	30.29	21.81	3.19	4	115	0.197	E
B2	20191230	Cloudy	Moderate	Mid-Ebb	S	1	15:07	8.22	8.07	30.9	21.51	2.61	3	116	0.257	E
B2	20191230	Cloudy	Moderate	Mid-Ebb	S	1	15:07	8.3	8.33	30.42	21.7	2.58	4	115	0.23	E
B3	20191230	Cloudy	Moderate	Mid-Ebb	B	4.1	15:45	7.84	8.06	30.13	21.18	3.28	4	114	0.181	E
B3	20191230	Cloudy	Moderate	Mid-Ebb	B	4.1	15:45	7.66	8.17	30.58	21.28	3.36	6	115	0.213	SE
B3	20191230	Cloudy	Moderate	Mid-Ebb	S	1	15:46	8.46	8.09	30.76	21.33	2.79	5	116	0.211	SE
B3	20191230	Cloudy	Moderate	Mid-Ebb	S	1	15:46	7.84	8.05	30.45	21.18	2.4	4	116	0.257	SE
B4	20191230	Cloudy	Moderate	Mid-Ebb	B	3.4	15:36	7.4	8.05	30.41	21.47	3.29	4	115	0.222	SE
B4	20191230	Cloudy	Moderate	Mid-Ebb	B	3.4	15:36	7.61	8.31	30.86	21.38	3.23	4	116	0.253	E
B4	20191230	Cloudy	Moderate	Mid-Ebb	S	1	15:37	8.24	8.16	30.76	21.43	2.78	5	115	0.24	E
B4	20191230	Cloudy	Moderate	Mid-Ebb	S	1	15:37	8.03	8.01	30.28	21.63	2.36	5	116	0.249	E
C1A	20191230	Cloudy	Moderate	Mid-Ebb	B	8.8	14:20	8.19	8.19	30.28	21.38	2.94	7	116	0.163	SE
C1A	20191230	Cloudy	Moderate	Mid-Ebb	B	8.8	14:20	7.95	8.03	30.7	21.69	2.9	7	115	0.272	SE
C1A	20191230	Cloudy	Moderate	Mid-Ebb	M	4.9	14:21	8.09	8.22	30.19	21.6	2.36	6	116	0.229	SE
C1A	20191230	Cloudy	Moderate	Mid-Ebb	M	4.9	14:21	7.78	8.07	30.61	21.77	2.64	5	115	0.212	SE
C1A	20191230	Cloudy	Moderate	Mid-Ebb	S	1	14:22	7.39	8.16	30.6	21.41	2.42	5	115	0.229	SE
C1A	20191230	Cloudy	Moderate	Mid-Ebb	S	1	14:22	8.23	8.06	30.74	21.27	2.4	6	116	0.258	SE
C2A	20191230	Cloudy	Moderate	Mid-Ebb	B	11.3	16:27	8.28	8.25	30.3	21.16	2.94	6	116	0.226	E
C2A	20191230	Cloudy	Moderate	Mid-Ebb	B	11.3	16:27	7.42	8.29	30.78	21.02	2.94	6	115	0.151	E
C2A	20191230	Cloudy	Moderate	Mid-Ebb	M	6.15	16:28	7.92	8.26	30.4	20.92	2.72	5	115	0.231	SE

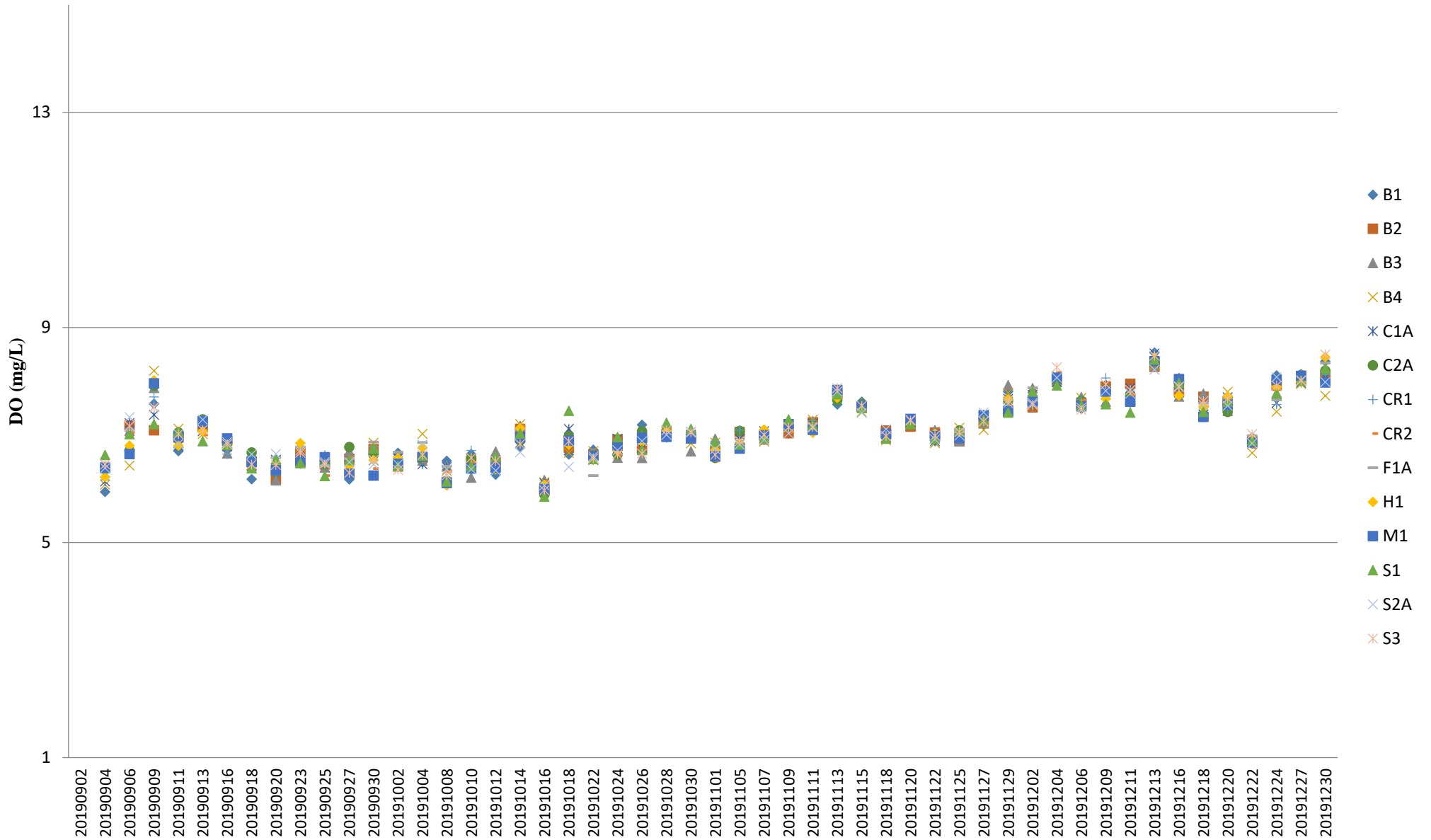
Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
C2A	20191230	Cloudy	Moderate	Mid-Ebb	M	6.15	16:28	7.78	8.22	30.59	21.14	2.65	5	115	0.279	SE
C2A	20191230	Cloudy	Moderate	Mid-Ebb	S	1	16:29	7.38	8.16	30.39	20.94	2.52	4	115	0.196	SE
C2A	20191230	Cloudy	Moderate	Mid-Ebb	S	1	16:29	7.72	8.1	30.21	21.23	2.71	5	115	0.256	E
CR1	20191230	Cloudy	Moderate	Mid-Ebb	B	12.7	16:22	8.08	7.99	30.58	20.94	3.35	4	116	0.162	SE
CR1	20191230	Cloudy	Moderate	Mid-Ebb	B	12.7	16:22	7.36	8.15	30.25	21.1	3.25	5	116	0.144	E
CR1	20191230	Cloudy	Moderate	Mid-Ebb	M	6.85	16:23	7.87	7.99	30.2	21.04	2.57	7	114	0.277	E
CR1	20191230	Cloudy	Moderate	Mid-Ebb	M	6.85	16:23	8.24	8.2	30.79	21.18	2.73	6	116	0.277	SE
CR1	20191230	Cloudy	Moderate	Mid-Ebb	S	1	16:24	8.21	8.3	30.46	20.97	2.31	6	115	0.146	SE
CR1	20191230	Cloudy	Moderate	Mid-Ebb	S	1	16:24	7.66	8.06	30.67	21.03	2.42	7	115	0.151	E
CR2	20191230	Cloudy	Moderate	Mid-Ebb	B	10.7	15:53	7.73	8.07	30.9	21.65	2.92	6	115	0.193	E
CR2	20191230	Cloudy	Moderate	Mid-Ebb	B	10.7	15:53	7.4	8.25	30.17	21.63	3.24	6	115	0.176	E
CR2	20191230	Cloudy	Moderate	Mid-Ebb	M	5.85	15:54	7.6	8.11	30.42	21.11	2.71	6	116	0.245	SE
CR2	20191230	Cloudy	Moderate	Mid-Ebb	M	5.85	15:54	8.36	8.2	30.6	21.38	2.77	5	115	0.144	E
CR2	20191230	Cloudy	Moderate	Mid-Ebb	S	1	15:55	7.89	8.06	30.13	21.65	2.53	7	116	0.148	SE
CR2	20191230	Cloudy	Moderate	Mid-Ebb	S	1	15:55	7.78	8.26	30.34	21.28	2.7	7	116	0.197	SE
F1A	20191230	Cloudy	Moderate	Mid-Ebb	B	7.3	14:57	7.89	8.08	30.4	21.61	2.88	8	116	0.159	SE
F1A	20191230	Cloudy	Moderate	Mid-Ebb	B	7.3	14:57	8.14	8.28	30.32	21.51	3.16	8	115	0.24	SE
F1A	20191230	Cloudy	Moderate	Mid-Ebb	M	4.15	14:58	7.93	8.22	30.82	21.51	2.59	7	116	0.173	SE
F1A	20191230	Cloudy	Moderate	Mid-Ebb	M	4.15	14:58	7.81	8.26	30.67	21.75	2.6	7	116	0.256	SE
F1A	20191230	Cloudy	Moderate	Mid-Ebb	S	1	14:59	7.92	8.2	30.77	21.11	2.7	5	116	0.212	SE
F1A	20191230	Cloudy	Moderate	Mid-Ebb	S	1	14:59	8.49	8.15	30.9	21.39	2.72	6	115	0.182	SE
H1	20191230	Cloudy	Moderate	Mid-Ebb	B	7.2	16:03	7.59	8.28	30.28	21.41	3.13	5	115	0.16	SE
H1	20191230	Cloudy	Moderate	Mid-Ebb	B	7.2	16:03	8.18	8.28	30.28	21.38	2.93	6	115	0.201	E
H1	20191230	Cloudy	Moderate	Mid-Ebb	M	4.1	16:04	7.74	8.04	30.77	21.22	2.87	6	116	0.157	SE
H1	20191230	Cloudy	Moderate	Mid-Ebb	M	4.1	16:04	8.25	8.03	30.6	21.55	2.84	7	116	0.278	SE
H1	20191230	Cloudy	Moderate	Mid-Ebb	S	1	16:05	7.95	8.28	30.4	21.54	2.5	6	116	0.14	SE
H1	20191230	Cloudy	Moderate	Mid-Ebb	S	1	16:05	7.5	8.11	30.46	21.18	2.49	7	115	0.227	SE
M1	20191230	Cloudy	Moderate	Mid-Ebb	B	8.3	14:24	7.87	8.05	30.26	21.27	3.15	7	115	0.205	E

Contract No. EP/SP/66/12
 Integrated Waste Management Facilities, Phase 1
 Impact Water Quality Monitoring Data

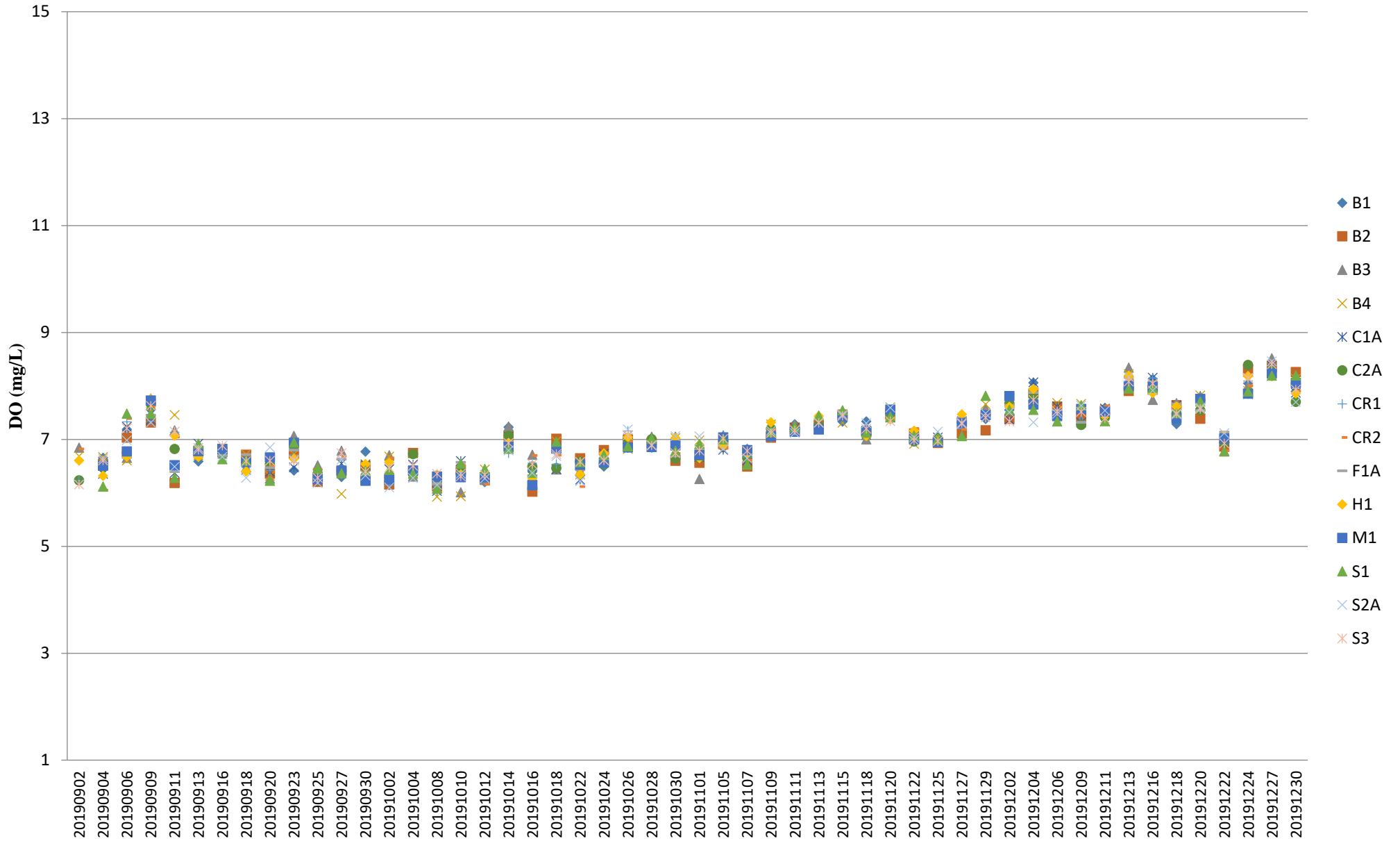
Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
M1	20191230	Cloudy	Moderate	Mid-Ebb	B	8.3	14:24	7.63	8.27	30.87	21.12	3.43	7	116	0.228	E
M1	20191230	Cloudy	Moderate	Mid-Ebb	M	4.65	14:25	7.41	8.1	30.4	21.05	2.52	6	116	0.24	SE
M1	20191230	Cloudy	Moderate	Mid-Ebb	M	4.65	14:25	8.4	8.13	30.68	21.74	2.67	7	115	0.214	E
M1	20191230	Cloudy	Moderate	Mid-Ebb	S	1	14:26	8.48	8.16	30.89	21.27	2.47	4	116	0.143	E
M1	20191230	Cloudy	Moderate	Mid-Ebb	S	1	14:26	7.92	8.32	30.24	21.42	2.73	5	116	0.151	E
S1	20191230	Cloudy	Moderate	Mid-Ebb	B	4.5	14:55	7.35	8.27	30.51	21.66	2.97	8	116	0.136	E
S1	20191230	Cloudy	Moderate	Mid-Ebb	B	4.5	14:55	8.43	8.2	30.17	21.71	3.45	9	116	0.171	SE
S1	20191230	Cloudy	Moderate	Mid-Ebb	S	1	14:56	8.07	8.07	30.6	21.13	2.75	7	116	0.24	E
S1	20191230	Cloudy	Moderate	Mid-Ebb	S	1	14:56	8.32	8.3	30.46	21.64	2.52	6	115	0.195	SE
S2A	20191230	Cloudy	Moderate	Mid-Ebb	B	8.6	15:28	7.64	8.3	30.89	21.22	3.08	8	115	0.186	SE
S2A	20191230	Cloudy	Moderate	Mid-Ebb	B	8.6	15:28	7.85	8.21	30.49	21.59	3.36	8	116	0.182	SE
S2A	20191230	Cloudy	Moderate	Mid-Ebb	M	4.8	15:29	7.83	7.99	30.28	21.88	2.83	5	116	0.214	SE
S2A	20191230	Cloudy	Moderate	Mid-Ebb	M	4.8	15:29	7.77	8.26	30.28	21.21	2.36	5	115	0.202	SE
S2A	20191230	Cloudy	Moderate	Mid-Ebb	S	1	15:30	7.96	8.18	30.59	21.79	2.68	5	116	0.133	E
S2A	20191230	Cloudy	Moderate	Mid-Ebb	S	1	15:30	7.43	8.15	30.43	21.35	2.75	5	115	0.221	SE
S3	20191230	Cloudy	Moderate	Mid-Ebb	B	8.9	16:05	8.18	8.25	30.39	21.39	3.05	6	116	0.211	SE
S3	20191230	Cloudy	Moderate	Mid-Ebb	B	8.9	16:05	7.46	8.18	30.68	21.05	3.15	7	116	0.136	E
S3	20191230	Cloudy	Moderate	Mid-Ebb	M	4.95	16:06	7.81	8.12	30.34	21.3	2.79	7	115	0.238	SE
S3	20191230	Cloudy	Moderate	Mid-Ebb	M	4.95	16:06	7.33	8.07	30.1	21.06	2.64	6	115	0.144	E
S3	20191230	Cloudy	Moderate	Mid-Ebb	S	1	16:07	8.2	8.02	30.83	21.22	2.63	7	115	0.282	E
S3	20191230	Cloudy	Moderate	Mid-Ebb	S	1	16:07	8.38	8.18	30.85	21.3	2.46	7	116	0.276	E
Remarks:																
Note 1: S - Surface		M - Middle		B - Bottom												
Note 2: Measurements of turbidity would be rounding to 0.1 NTU for proven accuracy as per the equipment specs during utilization of data.																
Note 3: No experimental result due to container's leakage.																
Note 4: Due to short monitoring frame, the sampling time is out of monitoring schedule and tidal period. The data would be presented for reference only.																

Dissolved Oxygen (Surface & Middle) during MID-FLOOD



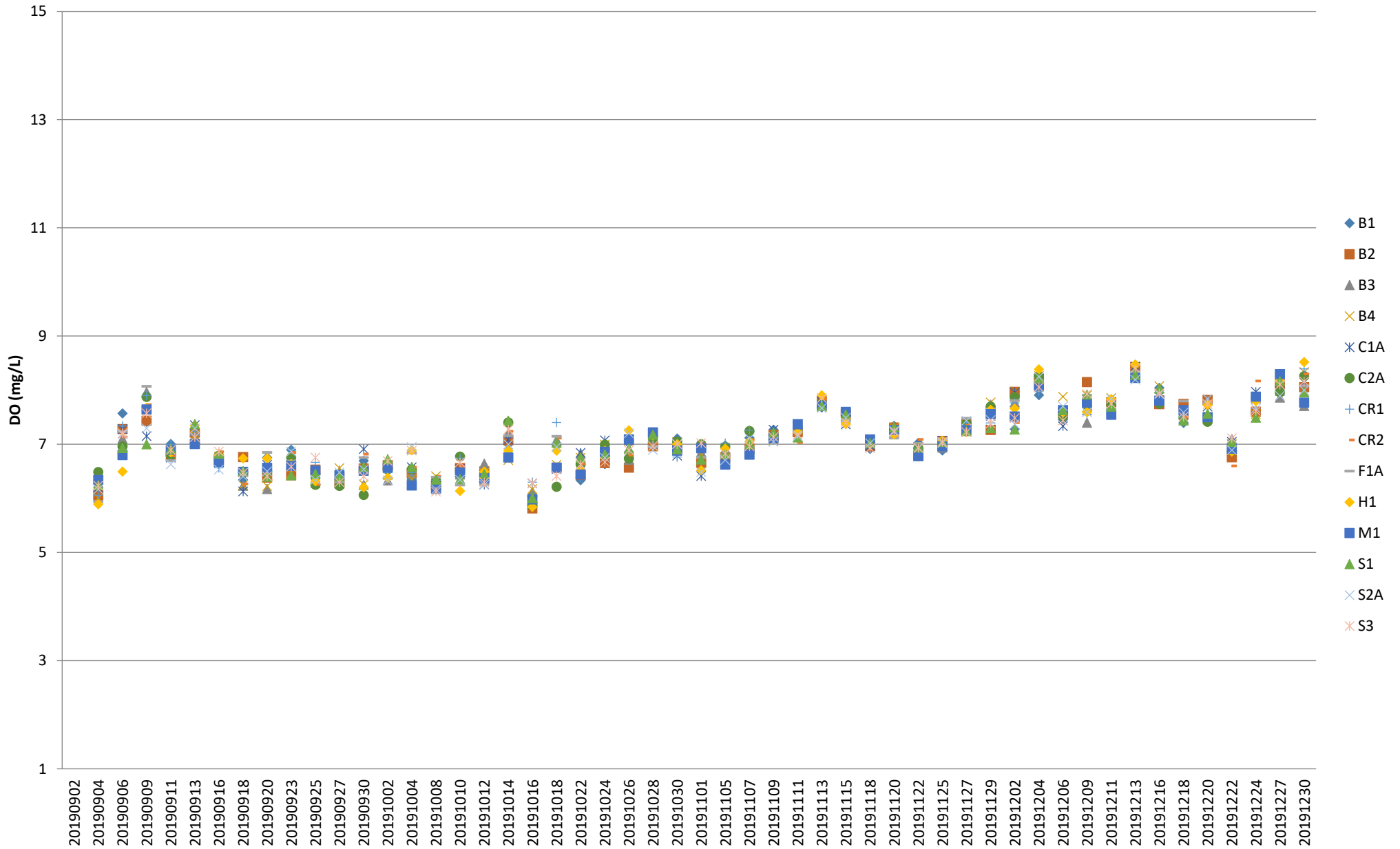
Note: The Action and Limit Level of dissolved oxygen can be referred to **Table 2.7 & 2.8** of the monthly EM&A report.

Dissolved Oxygen (Surface & Middle) during MID-EBB



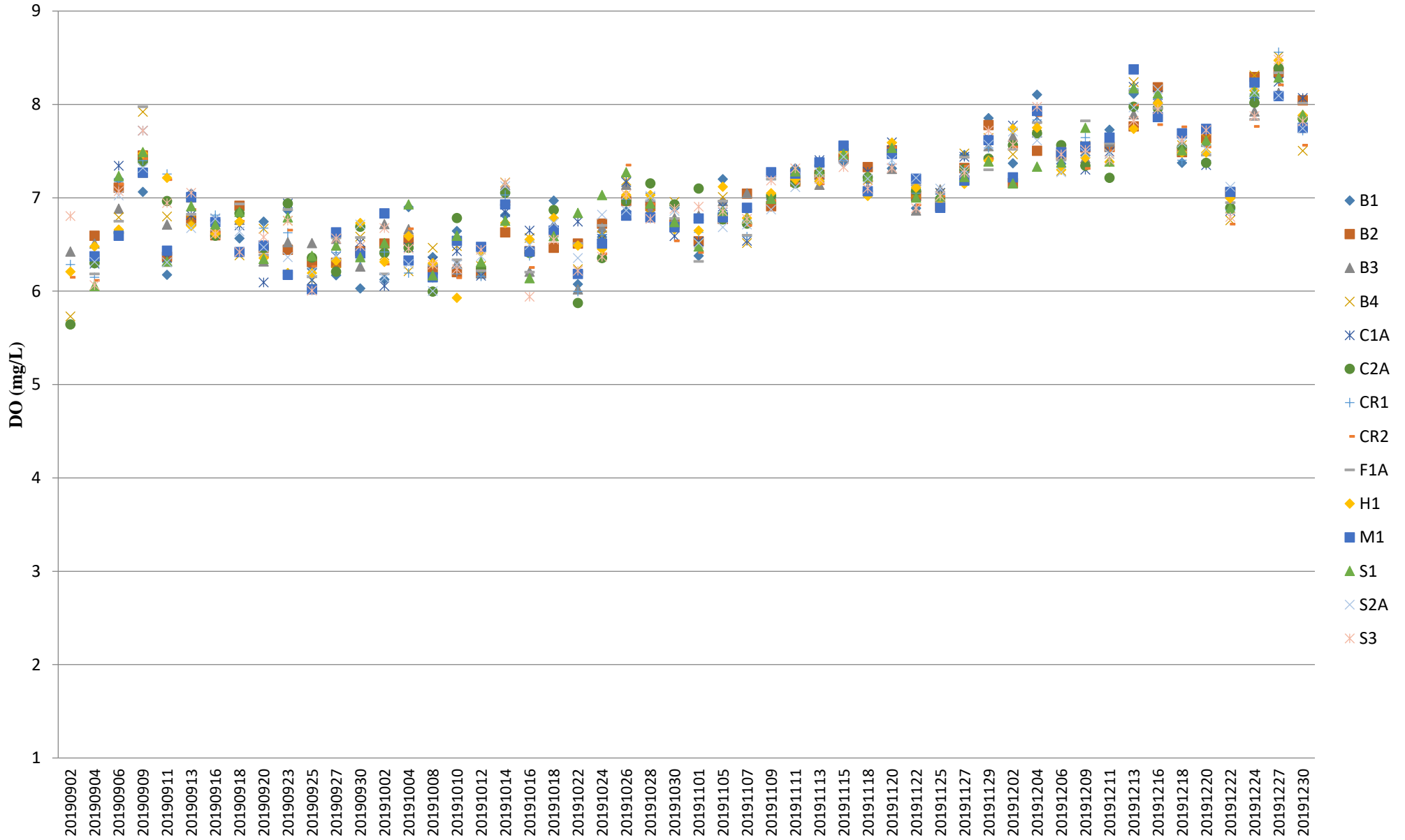
Note: The Action and Limit Level of dissolved oxygen can be referred to **Table 2.7 & 2.8** of the monthly EM&A report.

Dissolved Oxygen (Bottom) during MID-FLOOD



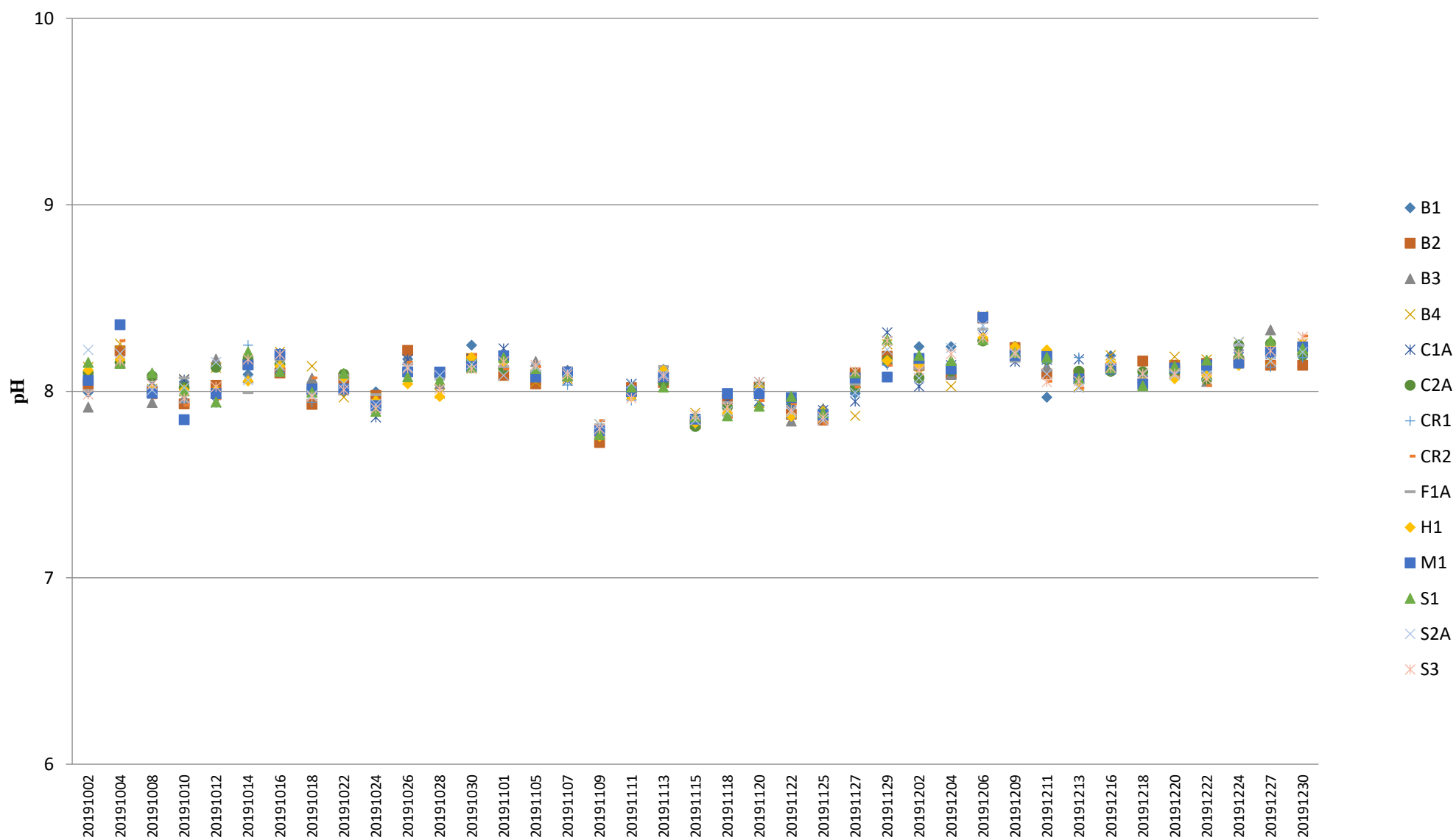
Note: The Action and Limit Level of dissolved oxygen can be referred to **Table 2.7 & 2.8** of the monthly EM&A report.

Dissolved Oxygen (Bottom) during MID-EBB

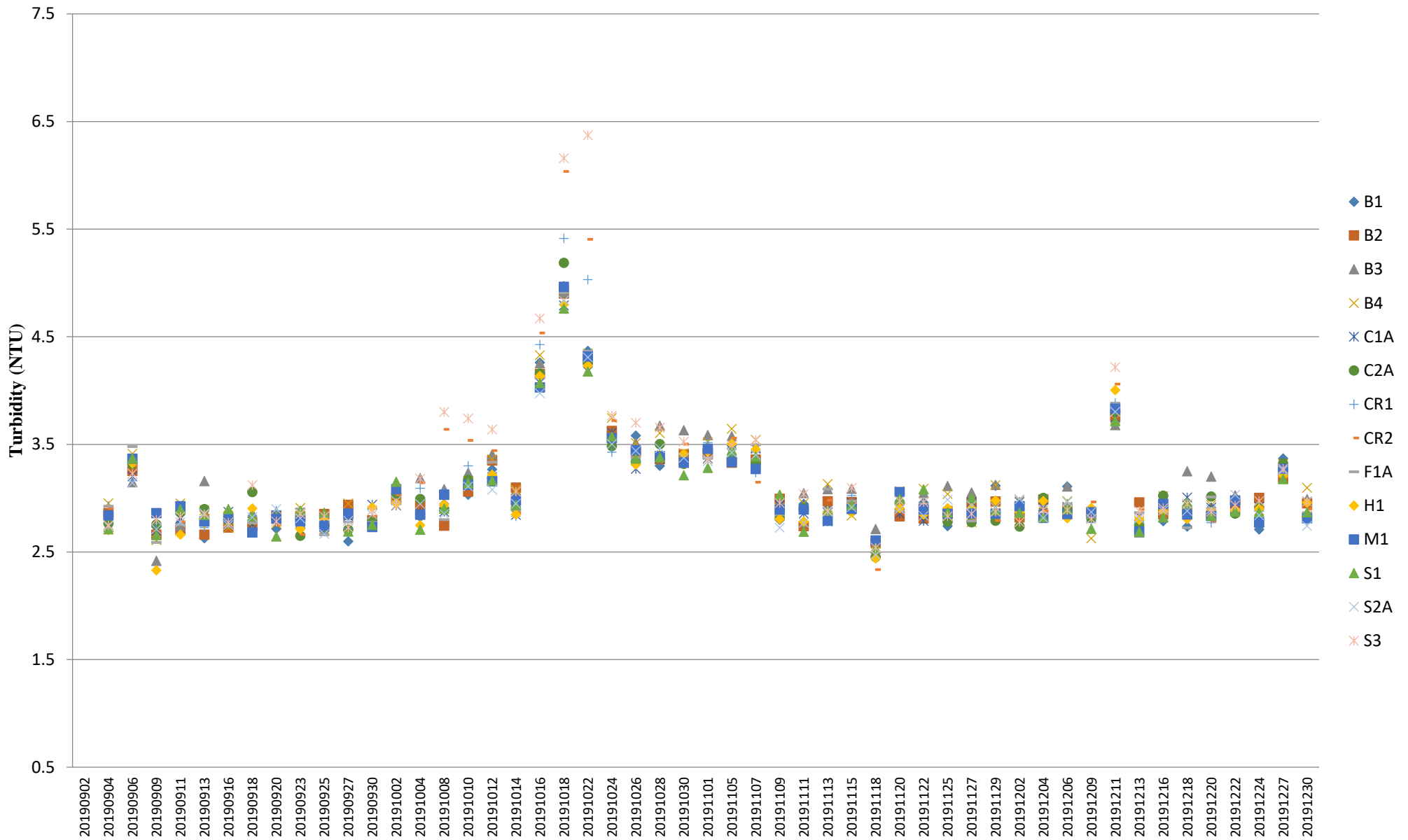


Note: The Action and Limit Level of dissolved oxygen can be referred to **Table 2.7 & 2.8** of the monthly EM&A report.

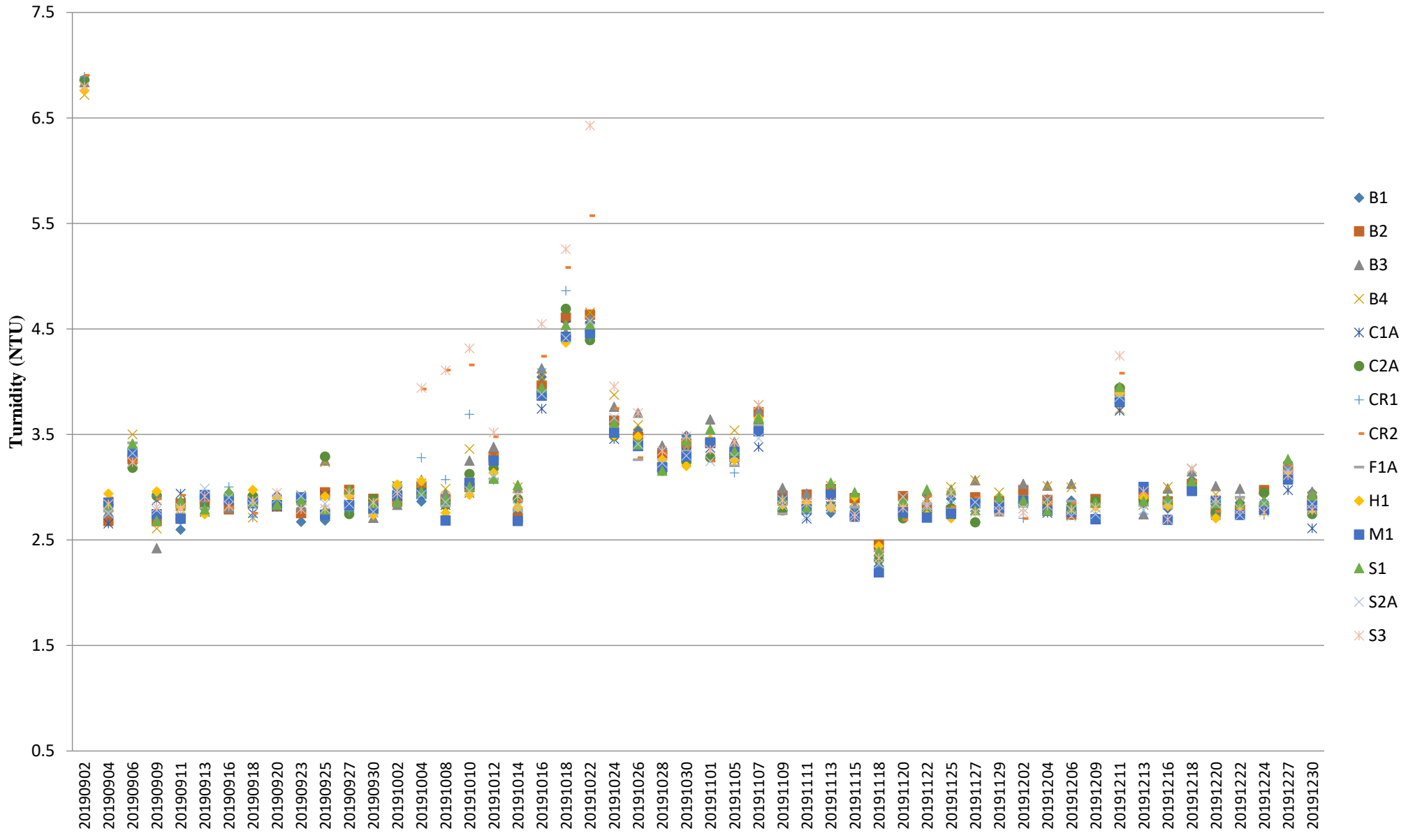
pH (Depth-averaged) during MID-FLOOD



Turbidity (Depth-averaged) during MID-FLOOD

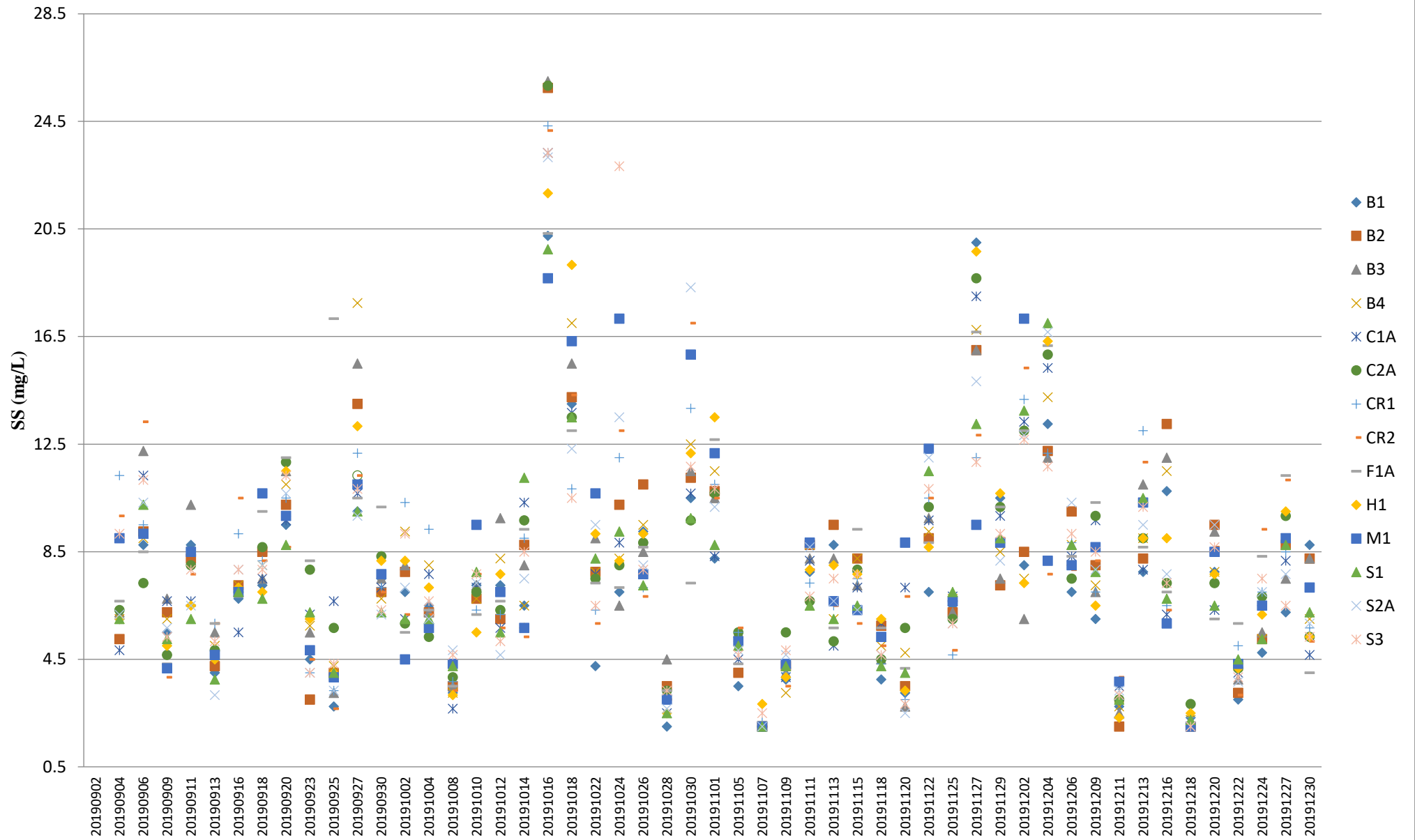


Turbidity (Depth-averaged) during MID-EBB



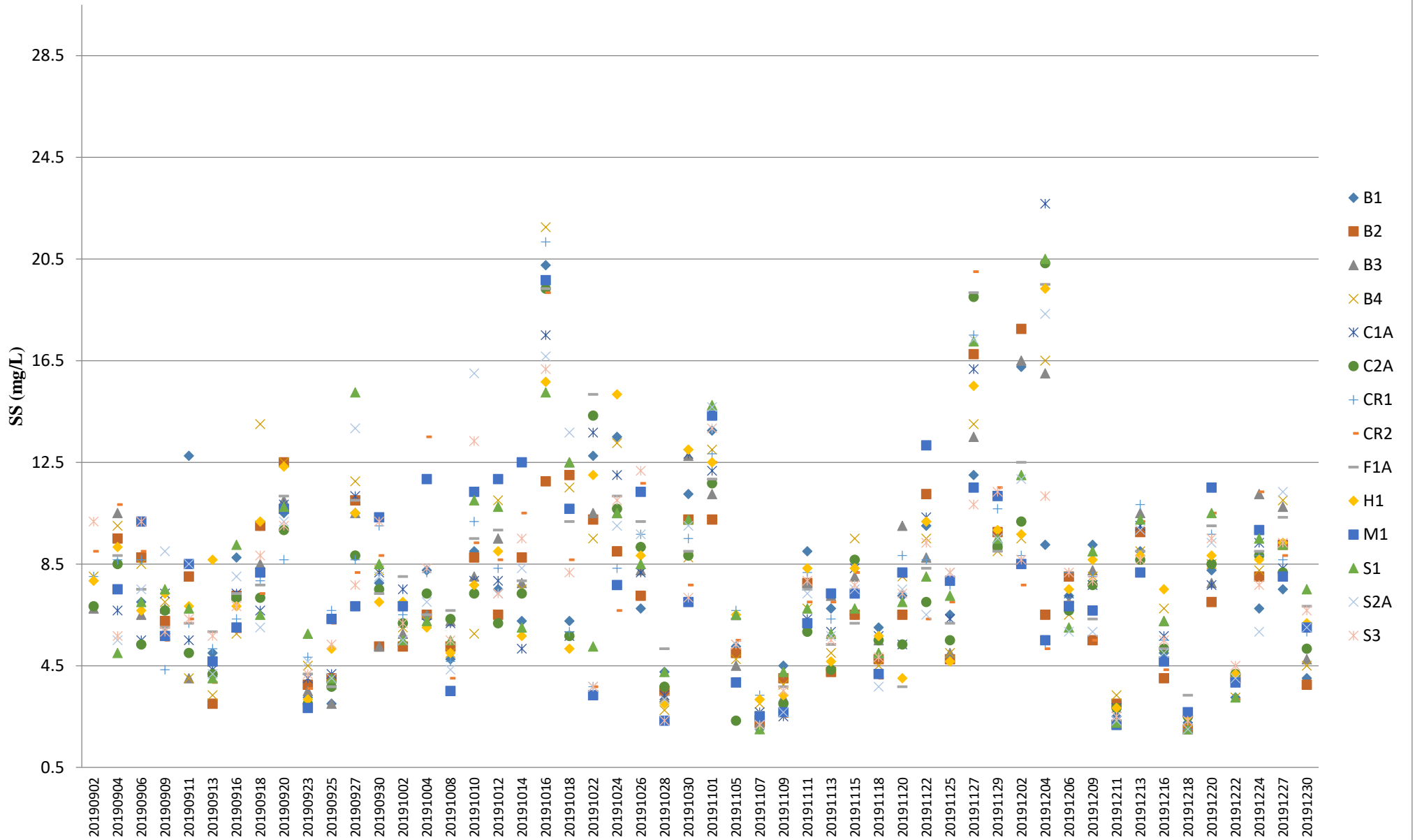
Note: The Action and Limit Level of turbidity can be referred to **Table 2.7 & 2.8** of the monthly EM&A report.

Suspended Solids (Depth-averaged) during MID-FLOOD



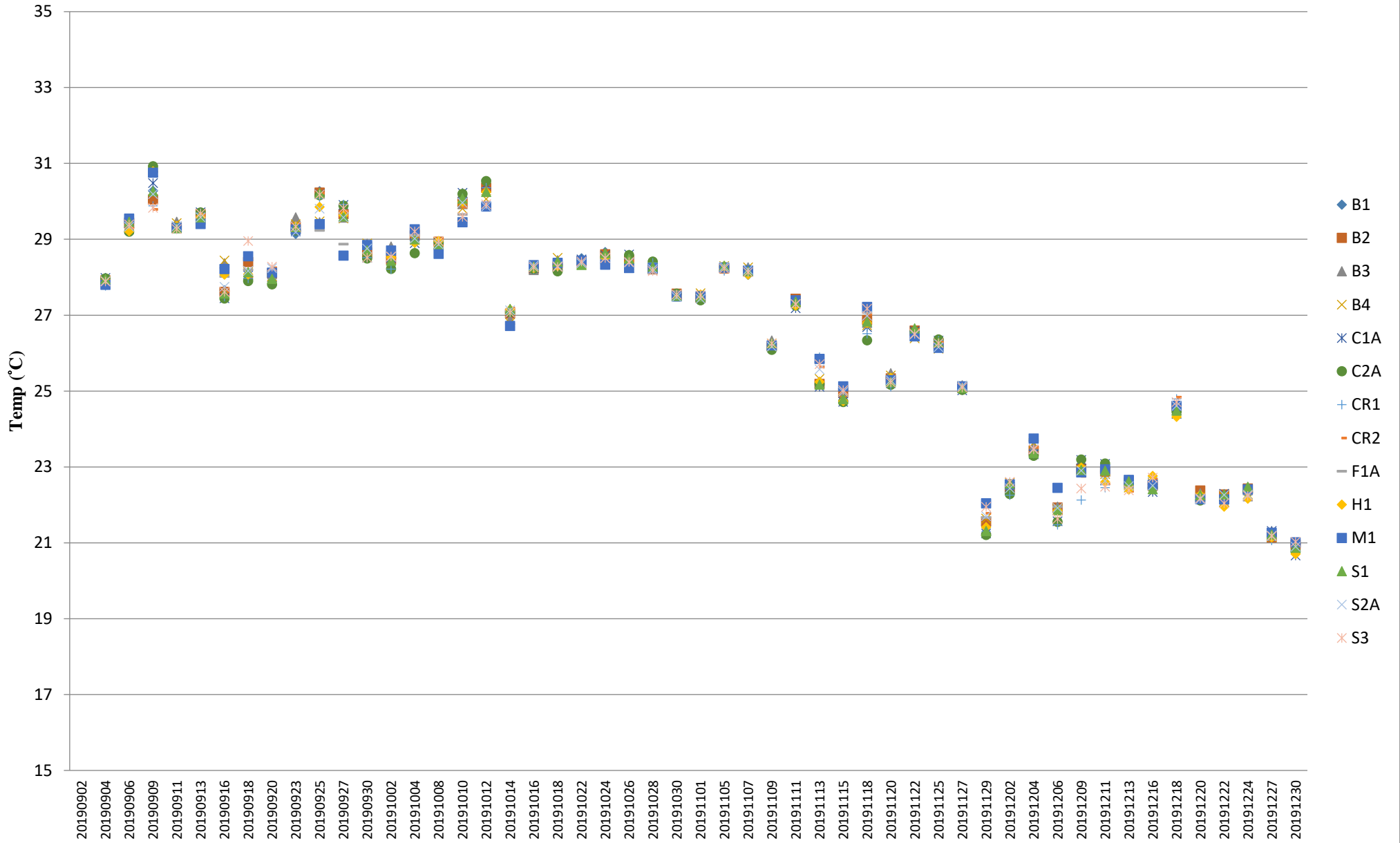
Note: The Action and Limit Level of suspended solids can be referred to **Table 2.7 & 2.8** of the monthly EM&A report.

Suspended Solids (Depth-averaged) during MID-EBB



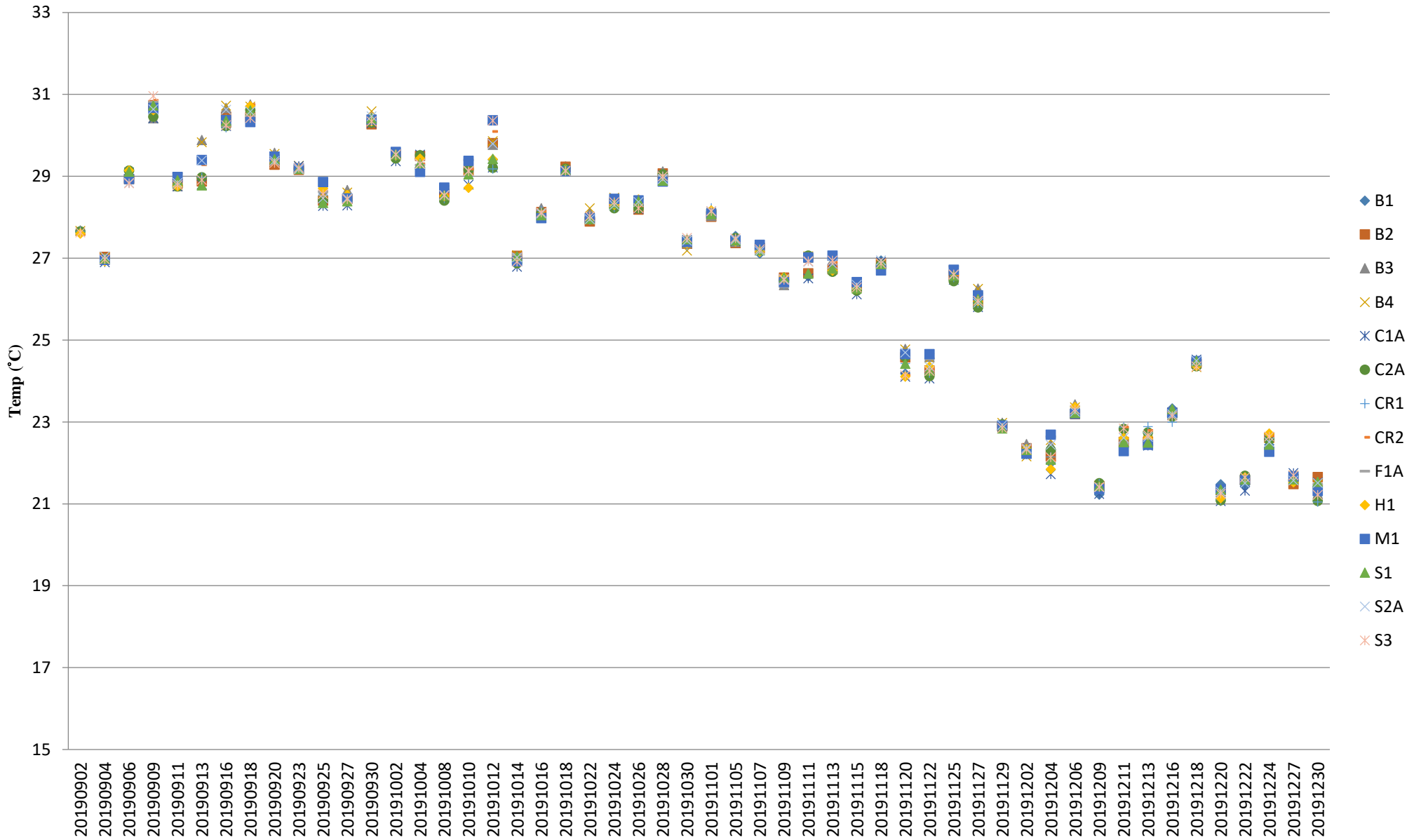
Note: The Action and Limit Level of suspended solids can be referred to **Table 2.7 & 2.8** of the monthly EM&A report.

Temperature (Depth-averaged) during MID-FLOOD



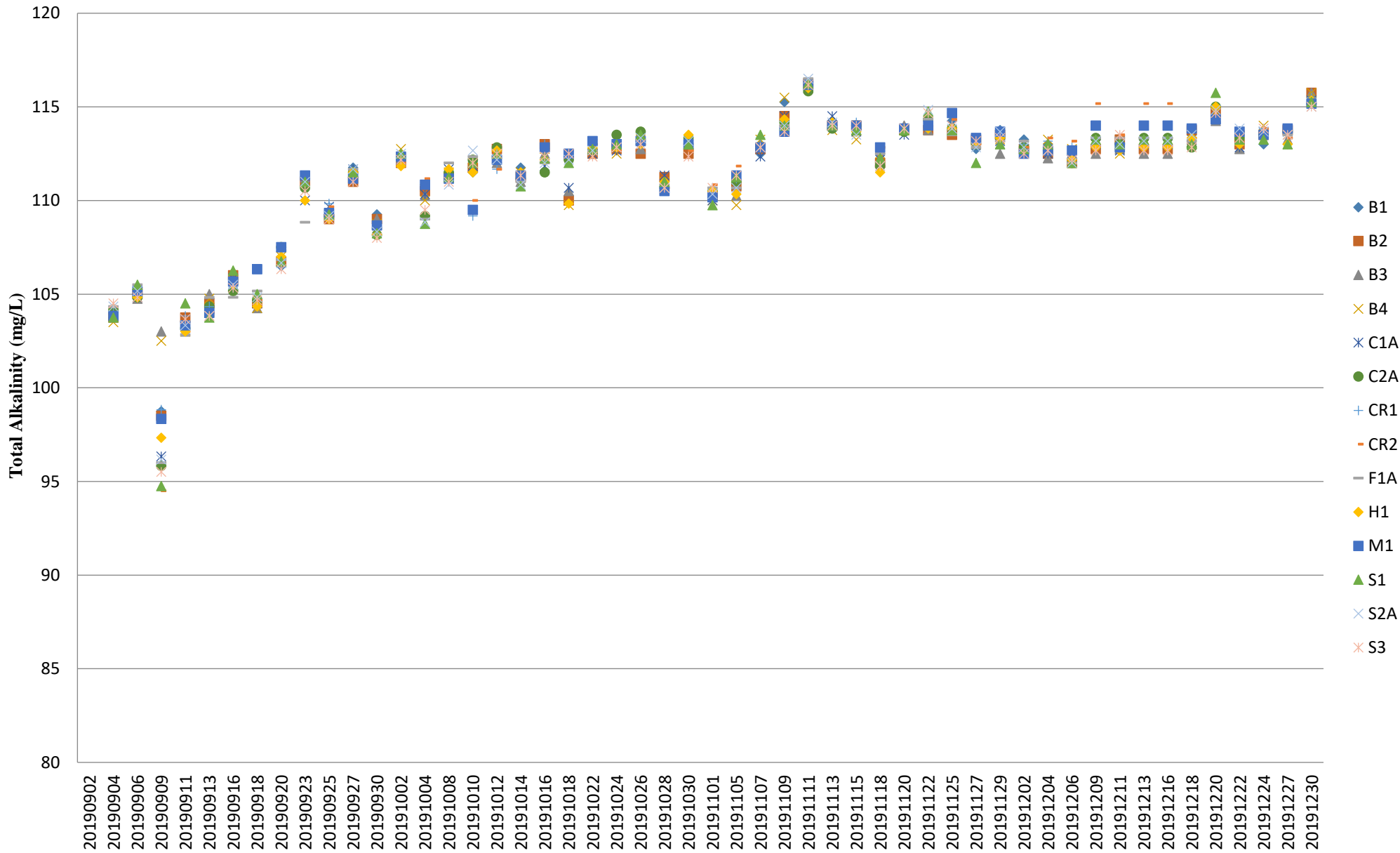
Note: The Action and Limit Level of temperature can be referred to **Table 2.7 & 2.8** of the monthly EM&A report.

Temperature (Depth-averaged) during MID-EBB



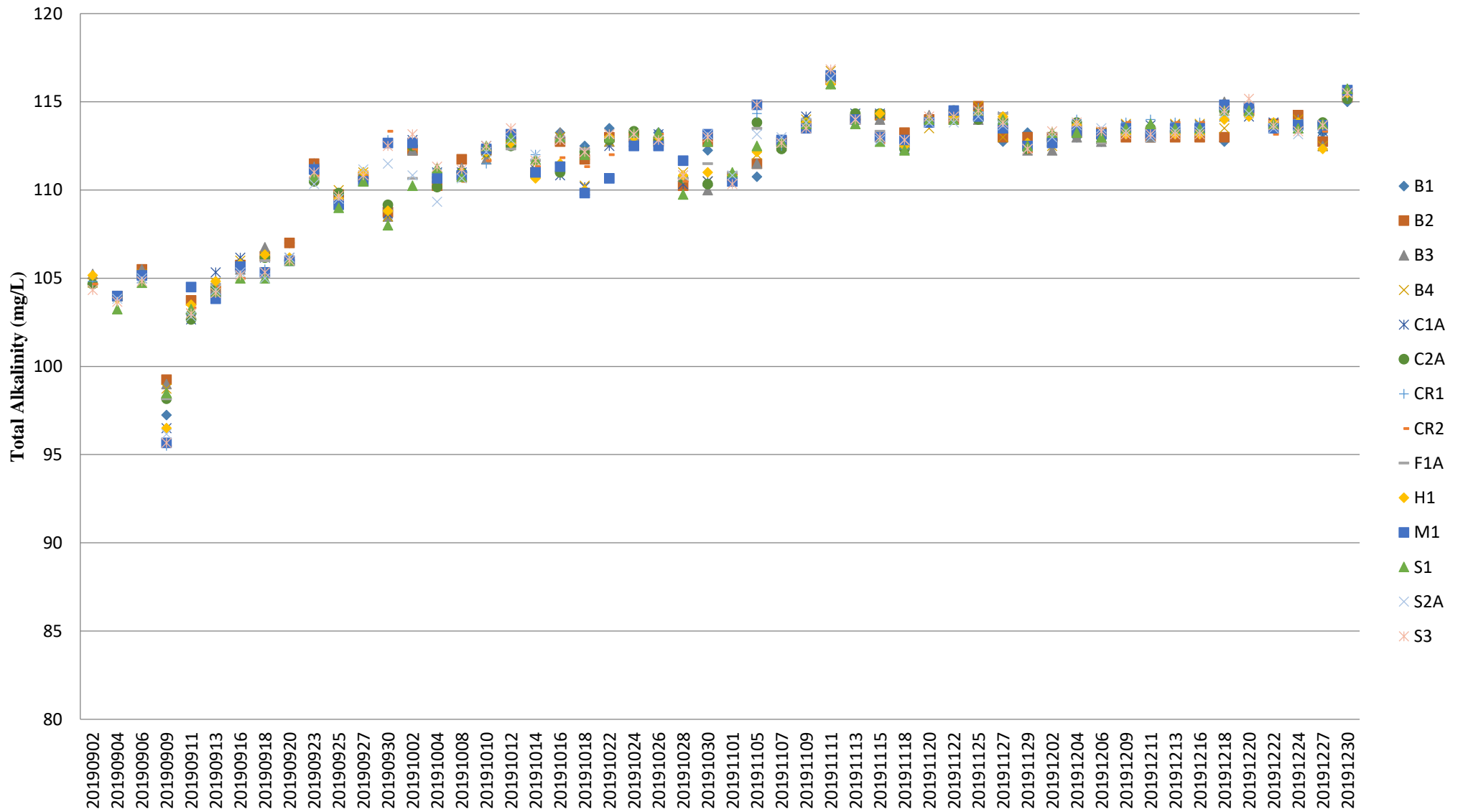
Note: The Action and Limit Level of temperature can be referred to **Table 2.7 & 2.8** of the monthly EM&A report.

Total Alkalinity (Depth-averaged) during MID-FLOOD



Note: The Action and Limit Level of total alkalinity can be referred to **Table 2.7 & 2.8** of the monthly EM&A report.

Total Alkalinity (Depth-averaged) during MID-EBB



Note: The Action and Limit Level of total alkalinity can be referred to **Table 2.7 & 2.8** of the monthly EM&A report.