

## 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	20191101	Sunny	Moderate	Mid-Flood	Bottom	3.6	09:05	6.74	8.04	29.2	27.59	3.62	9	110	0.215	W
B1	20191101	Sunny	Moderate	Mid-Flood	Bottom	3.6	09:05	7.08	8.01	29.65	27.37	3.95	8	110	0.252	W
B1	20191101	Sunny	Moderate	Mid-Flood	Surface	1.0	09:06	6.72	8.25	29.4	27.49	3.04	8	112	0.304	W
B1	20191101	Sunny	Moderate	Mid-Flood	Surface	1.0	09:06	6.43	8.24	29.2	27.66	2.94	8	110	0.212	NW
B2	20191101	Sunny	Moderate	Mid-Flood	Bottom	3.6	09:28	6.64	8.02	29.31	27.39	3.86	11	110	0.314	W
B2	20191101	Sunny	Moderate	Mid-Flood	Bottom	3.6	09:28	6.66	8.04	29.61	27.5	3.72	12	111	0.309	W
B2	20191101	Sunny	Moderate	Mid-Flood	Surface	1.0	09:29	7.01	8.09	29.34	27.59	3.19	10	109	0.316	W
B2	20191101	Sunny	Moderate	Mid-Flood	Surface	1.0	09:29	6.39	8.19	29.83	27.36	2.85	10	111	0.271	W
B3	20191101	Sunny	Moderate	Mid-Flood	Bottom	3.3	09:19	6.71	8.19	29.45	27.34	4.02	12	111	0.27	W
B3	20191101	Sunny	Moderate	Mid-Flood	Bottom	3.3	09:19	7	8.08	29.36	27.39	3.98	11	110	0.284	NW
B3	20191101	Sunny	Moderate	Mid-Flood	Surface	1.0	09:20	6.96	8.26	29.61	27.58	3.19	10	110	0.231	W
B3	20191101	Sunny	Moderate	Mid-Flood	Surface	1.0	09:20	6.89	8.06	29.68	27.58	3.15	9	111	0.173	NW
B4	20191101	Sunny	Moderate	Mid-Flood	Bottom	4.2	09:31	7	8.29	29.78	27.57	3.82	12	110	0.252	W
B4	20191101	Sunny	Moderate	Mid-Flood	Bottom	4.2	09:31	6.62	8.17	29.49	27.56	3.66	12	110	0.276	W
B4	20191101	Sunny	Moderate	Mid-Flood	Surface	1.0	09:32	7	8.02	29.84	27.61	3.12	11	110	0.222	NW
B4	20191101	Sunny	Moderate	Mid-Flood	Surface	1.0	09:32	6.71	8.05	29.53	27.57	3.48	11	110	0.17	W
C1A	20191101	Sunny	Moderate	Mid-Flood	Bottom	9.9	08:37	6.43	8.23	29.56	27.69	3.46	10	110	0.139	W
C1A	20191101	Sunny	Moderate	Mid-Flood	Bottom	9.9	08:37	6.4	8.21	29.42	27.44	3.77	9	110	0.193	NW
C1A	20191101	Sunny	Moderate	Mid-Flood	Middle	5.5	08:38	6.61	8.29	29.61	27.36	3.2	8	108	0.139	W
C1A	20191101	Sunny	Moderate	Mid-Flood	Middle	5.5	08:38	6.37	8.11	29.39	27.41	3.22	8	111	0.257	W
C1A	20191101	Sunny	Moderate	Mid-Flood	Surface	1.0	08:39	6.85	8.26	29.79	27.66	3.44	8	111	0.305	W
C1A	20191101	Sunny	Moderate	Mid-Flood	Surface	1.0	08:39	6.75	8.28	29.62	27.31	3.12	7	110	0.244	W
C2A	20191101	Sunny	Moderate	Mid-Flood	Bottom	10.2	08:07	7	8.21	29.82	27.38	3.67	11	111	0.139	W
C2A	20191101	Sunny	Moderate	Mid-Flood	Bottom	10.2	08:07	7	8.02	29.61	27.41	3.72	12	110	0.197	NW
C2A	20191101	Sunny	Moderate	Mid-Flood	Middle	5.6	08:08	6.54	8.17	29.49	27.33	3.56	11	111	0.269	NW
C2A	20191101	Sunny	Moderate	Mid-Flood	Middle	5.6	08:08	6.38	8.17	29.83	27.46	3.38	11	111	0.19	NW
C2A	20191101	Sunny	Moderate	Mid-Flood	Surface	1.0	08:09	6.41	8.08	29.48	27.47	3	10	110	0.229	W

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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
C2A	20191101	Sunny	Moderate	Mid-Flood	Surface	1.0	08:09	6.96	8.09	29.43	27.32	3.37	9	110	0.318	W
F1A	20191101	Sunny	Moderate	Mid-Flood	Bottom	7.8	10:03	6.46	8.11	29.62	27.42	3.69	13	110	0.16	W
F1A	20191101	Sunny	Moderate	Mid-Flood	Bottom	7.8	10:03	7.06	8.11	29.28	27.34	3.5	12	111	0.203	W
F1A	20191101	Sunny	Moderate	Mid-Flood	Middle	4.4	10:04	6.44	8.12	29.48	27.42	3.61	13	110	0.302	W
F1A	20191101	Sunny	Moderate	Mid-Flood	Middle	4.4	10:04	6.35	8.02	29.59	27.63	3.04	13	112	0.232	W
F1A	20191101	Sunny	Moderate	Mid-Flood	Surface	1.0	10:05	6.68	8.29	29.43	27.52	3.16	12	111	0.161	W
F1A	20191101	Sunny	Moderate	Mid-Flood	Surface	1.0	10:05	7.01	8.14	29.47	27.4	3.25	13	110	0.299	W
H1	20191101	Sunny	Moderate	Mid-Flood	Bottom	7.5	08:59	6.63	8.07	29.24	27.4	3.97	15	111	0.311	W
H1	20191101	Sunny	Moderate	Mid-Flood	Bottom	7.5	08:59	6.41	8.17	29.49	27.52	3.67	16	110	0.318	W
H1	20191101	Sunny	Moderate	Mid-Flood	Middle	4.3	09:00	6.42	8.2	29.49	27.56	3.38	12	110	0.153	W
H1	20191101	Sunny	Moderate	Mid-Flood	Middle	4.3	09:00	6.82	8.26	29.6	27.58	3.27	13	111	0.208	W
H1	20191101	Sunny	Moderate	Mid-Flood	Surface	1.0	09:01	7.05	8.11	29.23	27.53	3.41	12	110	0.26	W
H1	20191101	Sunny	Moderate	Mid-Flood	Surface	1.0	09:01	6.58	8.15	29.44	27.69	2.88	13	111	0.204	W
M1	20191101	Sunny	Moderate	Mid-Flood	Bottom	7.3	10:40	7.07	8.18	29.74	27.41	3.52	13	111	0.203	W
M1	20191101	Sunny	Moderate	Mid-Flood	Bottom	7.3	10:40	6.78	8.15	29.67	27.6	3.94	14	109	0.172	W
M1	20191101	Sunny	Moderate	Mid-Flood	Middle	4.2	10:41	6.46	8.28	29.57	27.46	3.15	11	110	0.322	W
M1	20191101	Sunny	Moderate	Mid-Flood	Middle	4.2	10:41	6.89	8.16	29.21	27.34	3.63	12	110	0.285	W
M1	20191101	Sunny	Moderate	Mid-Flood	Surface	1.0	10:42	6.42	8.21	29.53	27.68	3.12	11	111	0.229	W
M1	20191101	Sunny	Moderate	Mid-Flood	Surface	1.0	10:42	6.65	8.16	29.52	27.5	3.39	12	110	0.155	W
CR1	20191101	Sunny	Moderate	Mid-Flood	Bottom	12.1	08:28	6.58	8.07	29.34	27.6	3.77	12	111	0.28	W
CR1	20191101	Sunny	Moderate	Mid-Flood	Bottom	12.1	08:28	6.74	8.14	29.57	27.42	3.83	11	111	0.294	W
CR1	20191101	Sunny	Moderate	Mid-Flood	Middle	6.6	08:29	6.94	8.19	29.57	27.45	3.55	11	111	0.149	W
CR1	20191101	Sunny	Moderate	Mid-Flood	Middle	6.6	08:29	7.03	8.11	29.4	27.62	3.58	12	110	0.309	W
CR1	20191101	Sunny	Moderate	Mid-Flood	Surface	1.0	08:30	6.63	8.26	29.4	27.33	3.3	9	110	0.16	W
CR1	20191101	Sunny	Moderate	Mid-Flood	Surface	1.0	08:30	6.94	8.03	29.82	27.69	3.07	11	111	0.299	W
CR2	20191101	Sunny	Moderate	Mid-Flood	Bottom	10.7	10:15	6.92	8.15	29.29	27.47	3.87	11	112	0.151	W
CR2	20191101	Sunny	Moderate	Mid-Flood	Bottom	10.7	10:15	7.09	8.09	29.74	27.4	3.69	12	111	0.177	W

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CR2	20191101	Sunny	Moderate	Mid-Flood	Middle	5.9	10:16	6.46	8.22	29.65	27.5	3.16	10	111	0.294	W
CR2	20191101	Sunny	Moderate	Mid-Flood	Middle	5.9	10:16	6.56	8.01	29.34	27.54	3.27	12	110	0.308	W
CR2	20191101	Sunny	Moderate	Mid-Flood	Surface	1.0	10:17	6.59	8.02	29.43	27.56	3.33	9	110	0.18	W
CR2	20191101	Sunny	Moderate	Mid-Flood	Surface	1.0	10:17	6.47	8.23	29.24	27.56	3.4	9	111	0.293	W
S1	20191101	Sunny	Moderate	Mid-Flood	Bottom	4.0	09:17	6.52	8.21	29.64	27.42	3.51	9	110	0.321	W
S1	20191101	Sunny	Moderate	Mid-Flood	Bottom	4.0	09:17	6.92	8.08	29.52	27.39	3.7	8	110	0.183	NW
S1	20191101	Sunny	Moderate	Mid-Flood	Surface	1.0	09:18	6.65	8.18	29.36	27.48	3	9	109	0.31	NW
S1	20191101	Sunny	Moderate	Mid-Flood	Surface	1.0	09:18	7.09	8.25	29.5	27.69	2.91	9	110	0.17	W
S2A	20191101	Sunny	Moderate	Mid-Flood	Bottom	8.9	09:49	6.62	8.05	29.25	27.33	3.52	10	110	0.276	W
S2A	20191101	Sunny	Moderate	Mid-Flood	Bottom	8.9	09:49	6.35	8.08	29.23	27.33	3.54	10	110	0.237	W
S2A	20191101	Sunny	Moderate	Mid-Flood	Middle	5.0	09:50	6.6	8.02	29.43	27.48	3.34	11	110	0.208	W
S2A	20191101	Sunny	Moderate	Mid-Flood	Middle	5.0	09:50	7.04	8.27	29.43	27.38	3.52	10	111	0.294	W
S2A	20191101	Sunny	Moderate	Mid-Flood	Surface	1.0	09:51	6.87	8.08	29.29	27.51	3.01	10	111	0.15	NW
S2A	20191101	Sunny	Moderate	Mid-Flood	Surface	1.0	09:51	6.44	8.01	29.77	27.58	3.13	10	110	0.228	NW
S3	20191101	Sunny	Moderate	Mid-Flood	Bottom	8.2	10:25	7.05	8.19	29.35	27.35	3.83	13	111	0.256	W
S3	20191101	Sunny	Moderate	Mid-Flood	Bottom	8.2	10:25	6.99	8.14	29.83	27.6	3.69	14	112	0.261	W
S3	20191101	Sunny	Moderate	Mid-Flood	Middle	4.6	10:26	6.4	8.12	29.61	27.6	3.14	10	110	0.138	W
S3	20191101	Sunny	Moderate	Mid-Flood	Middle	4.6	10:26	6.53	8.27	29.4	27.67	3.08	11	111	0.284	NW
S3	20191101	Sunny	Moderate	Mid-Flood	Surface	1.0	10:27	6.64	8.15	29.6	27.39	3.41	8	110	0.237	W
S3	20191101	Sunny	Moderate	Mid-Flood	Surface	1.0	10:27	6.95	8.08	29.48	27.55	3.01	9	110	0.179	W
B1	20191101	Sunny	Moderate	Mid-Ebb	Bottom	4.0	14:06	6.42	8.1	29.71	28.26	3.75	14	111	0.131	SE
B1	20191101	Sunny	Moderate	Mid-Ebb	Bottom	4.0	14:06	6.34	8.19	29.74	28.02	3.91	16	110	0.18	E
B1	20191101	Sunny	Moderate	Mid-Ebb	Surface	1.0	14:07	6.43	8.15	29.46	28.13	3.07	12	111	0.141	SE
B1	20191101	Sunny	Moderate	Mid-Ebb	Surface	1.0	14:07	7	8.23	29.69	28.19	3.05	13	110	0.232	SE
B2	20191101	Sunny	Moderate	Mid-Ebb	Bottom	4.5	14:29	6.45	8.09	29.48	27.91	3.53	11	111	0.208	SE
B2	20191101	Sunny	Moderate	Mid-Ebb	Bottom	4.5	14:29	6.62	8.06	29.56	28.02	3.74	11	110	0.264	E
B2	20191101	Sunny	Moderate	Mid-Ebb	Surface	1.0	14:30	6.84	8.27	29.49	27.98	3.19	10	111	0.208	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
B2	20191101	Sunny	Moderate	Mid-Ebb	Surface	1.0	14:30	6.28	8.07	29.52	28.13	3.21	9	111	0.126	SE
B3	20191101	Sunny	Moderate	Mid-Ebb	Bottom	3.6	14:59	7.1	8.15	29.77	28.28	4.03	13	110	0.137	SE
B3	20191101	Sunny	Moderate	Mid-Ebb	Bottom	3.6	14:59	6.52	8.09	29.79	27.93	3.97	13	111	0.196	SE
B3	20191101	Sunny	Moderate	Mid-Ebb	Surface	1.0	15:00	6.26	8.26	29.68	27.92	3.21	9	110	0.251	E
B3	20191101	Sunny	Moderate	Mid-Ebb	Surface	1.0	15:00	6.26	8.13	29.64	28	3.36	10	111	0.257	E
B4	20191101	Sunny	Moderate	Mid-Ebb	Bottom	3.5	15:11	6.61	8.08	29.48	28.12	3.57	15	111	0.187	SE
B4	20191101	Sunny	Moderate	Mid-Ebb	Bottom	3.5	15:11	6.41	8.17	29.71	28.26	3.73	14	110	0.162	SE
B4	20191101	Sunny	Moderate	Mid-Ebb	Surface	1.0	15:12	6.8	8.07	29.49	28.03	3.38	11	111	0.201	SE
B4	20191101	Sunny	Moderate	Mid-Ebb	Surface	1.0	15:12	7.16	8.12	29.69	27.98	3.03	12	110	0.143	E
C1A	20191101	Sunny	Moderate	Mid-Ebb	Bottom	8.7	13:39	6.64	8.07	29.7	27.95	3.73	13	111	0.152	SE
C1A	20191101	Sunny	Moderate	Mid-Ebb	Bottom	8.7	13:39	6.42	8.17	29.75	28.22	3.55	12	111	0.148	SE
C1A	20191101	Sunny	Moderate	Mid-Ebb	Middle	4.9	13:40	6.22	8.09	29.77	28	3.21	12	111	0.137	E
C1A	20191101	Sunny	Moderate	Mid-Ebb	Middle	4.9	13:40	6.76	8.24	29.74	28	3.27	13	110	0.182	E
C1A	20191101	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:41	6.75	8.21	29.72	28.27	3.03	11	110	0.281	E
C1A	20191101	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:41	6.95	8.2	29.65	28.08	3.45	12	111	0.197	SE
C2A	20191101	Sunny	Moderate	Mid-Ebb	Bottom	10.8	13:53	7.02	8.19	29.7	28.06	3.51	12	110	0.279	SE
C2A	20191101	Sunny	Moderate	Mid-Ebb	Bottom	10.8	13:53	7.18	8.28	29.63	28.27	3.56	12	111	0.267	SE
C2A	20191101	Sunny	Moderate	Mid-Ebb	Middle	5.9	13:54	6.56	8.15	29.68	27.93	3.25	11	111	0.24	E
C2A	20191101	Sunny	Moderate	Mid-Ebb	Middle	5.9	13:54	7.01	8.06	29.63	28.17	3.06	12	111	0.181	SE
C2A	20191101	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:55	6.54	8.16	29.65	28.23	2.92	12	111	0.264	E
C2A	20191101	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:55	6.5	8.08	29.47	28.1	3.39	11	110	0.215	SE
F1A	20191101	Sunny	Moderate	Mid-Ebb	Bottom	7.4	15:45	6.33	8.22	29.48	28.27	3.72	17	111	0.268	SE
F1A	20191101	Sunny	Moderate	Mid-Ebb	Bottom	7.4	15:45	6.31	8.13	29.48	27.9	3.98	15	111	0.198	SE
F1A	20191101	Sunny	Moderate	Mid-Ebb	Middle	4.2	15:46	6.65	8.27	29.48	28.11	3.17	10	111	0.225	SE
F1A	20191101	Sunny	Moderate	Mid-Ebb	Middle	4.2	15:46	7.02	8.26	29.76	28.14	3	10	111	0.253	SE
F1A	20191101	Sunny	Moderate	Mid-Ebb	Surface	1.0	15:47	6.65	8.16	29.7	28.02	3.31	10	111	0.195	E
F1A	20191101	Sunny	Moderate	Mid-Ebb	Surface	1.0	15:47	6.91	8.13	29.65	28	3.39	9	111	0.249	E

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H1	20191101	Sunny	Moderate	Mid-Ebb	Bottom	7.2	14:40	6.34	8.26	29.6	28.15	3.61	11	110	0.186	SE
H1	20191101	Sunny	Moderate	Mid-Ebb	Bottom	7.2	14:40	6.96	8.16	29.69	27.99	3.58	12	111	0.274	SE
H1	20191101	Sunny	Moderate	Mid-Ebb	Middle	4.1	14:41	6.56	8.13	29.67	28.07	3.32	13	111	0.186	SE
H1	20191101	Sunny	Moderate	Mid-Ebb	Middle	4.1	14:41	6.73	8.21	29.47	28.35	3.39	12	111	0.275	SE
H1	20191101	Sunny	Moderate	Mid-Ebb	Surface	1.0	14:42	6.46	8.21	29.62	28.22	3.39	13	111	0.213	SE
H1	20191101	Sunny	Moderate	Mid-Ebb	Surface	1.0	14:42	6.84	8.1	29.46	28.19	3.42	14	111	0.12	SE
M1	20191101	Sunny	Moderate	Mid-Ebb	Bottom	8.7	16:24	6.5	8.08	29.5	28.05	3.83	16	111	0.139	SE
M1	20191101	Sunny	Moderate	Mid-Ebb	Bottom	8.7	16:24	7.06	8.21	29.47	27.97	3.72	16	111	0.185	SE
M1	20191101	Sunny	Moderate	Mid-Ebb	Middle	4.9	16:25	6.46	8.14	29.65	27.98	3.46	14	111	0.191	SE
M1	20191101	Sunny	Moderate	Mid-Ebb	Middle	4.9	16:25	7.09	8.27	29.6	28.29	3.48	15	110	0.215	SE
M1	20191101	Sunny	Moderate	Mid-Ebb	Surface	1.0	16:26	6.45	8.11	29.59	27.97	2.89	12	110	0.218	E
M1	20191101	Sunny	Moderate	Mid-Ebb	Surface	1.0	16:26	6.82	8.1	29.59	28.26	3.16	13	110	0.204	E
CR1	20191101	Sunny	Moderate	Mid-Ebb	Bottom	11.3	15:48	6.8	8.19	29.49	28.32	3.9	14	111	0.164	E
CR1	20191101	Sunny	Moderate	Mid-Ebb	Bottom	11.3	15:48	6.46	8.06	29.54	28.27	3.91	14	111	0.264	SE
CR1	20191101	Sunny	Moderate	Mid-Ebb	Middle	6.2	15:49	6.9	8.25	29.66	28.28	3.28	12	111	0.26	SE
CR1	20191101	Sunny	Moderate	Mid-Ebb	Middle	6.2	15:49	6.73	8.22	29.66	28.08	3.32	14	111	0.248	E
CR1	20191101	Sunny	Moderate	Mid-Ebb	Surface	1.0	15:50	6.98	8.11	29.56	28.07	3.26	11	110	0.2	SE
CR1	20191101	Sunny	Moderate	Mid-Ebb	Surface	1.0	15:50	6.92	8.18	29.67	28.33	3.03	12	110	0.224	SE
CR2	20191101	Sunny	Moderate	Mid-Ebb	Bottom	9.8	15:16	6.45	8.08	29.76	28.2	3.6	14	111	0.232	SE
CR2	20191101	Sunny	Moderate	Mid-Ebb	Bottom	9.8	15:16	6.38	8.17	29.46	27.97	3.86	15	111	0.119	SE
CR2	20191101	Sunny	Moderate	Mid-Ebb	Middle	5.4	15:17	6.97	8.1	29.65	28.27	2.89	12	111	0.164	SE
CR2	20191101	Sunny	Moderate	Mid-Ebb	Middle	5.4	15:17	6.5	8.29	29.73	27.95	3.21	11	111	0.182	SE
CR2	20191101	Sunny	Moderate	Mid-Ebb	Surface	1.0	15:18	7.13	8.1	29.75	28.27	2.99	11	110	0.252	SE
CR2	20191101	Sunny	Moderate	Mid-Ebb	Surface	1.0	15:18	6.74	8.14	29.69	28.33	2.94	12	110	0.272	SE
S1	20191101	Sunny	Moderate	Mid-Ebb	Bottom	4.2	14:18	6.5	8.07	29.54	28.12	3.86	14	111	0.201	E
S1	20191101	Sunny	Moderate	Mid-Ebb	Bottom	4.2	14:18	6.46	8.22	29.72	28.3	3.82	14	112	0.216	SE
S1	20191101	Sunny	Moderate	Mid-Ebb	Surface	1.0	14:19	6.88	8.15	29.72	27.92	3.25	15	110	0.157	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
S1	20191101	Sunny	Moderate	Mid-Ebb	Surface	1.0	14:19	6.95	8.13	29.51	27.97	3.27	16	111	0.131	E
S2A	20191101	Sunny	Moderate	Mid-Ebb	Bottom	8.5	14:50	6.48	8.16	29.53	28.13	3.56	17	111	0.121	SE
S2A	20191101	Sunny	Moderate	Mid-Ebb	Bottom	8.5	14:50	6.55	8.22	29.77	28.12	3.73	16	110	0.14	SE
S2A	20191101	Sunny	Moderate	Mid-Ebb	Middle	4.8	14:51	7.01	8.28	29.59	28.11	3.18	14	111	0.152	SE
S2A	20191101	Sunny	Moderate	Mid-Ebb	Middle	4.8	14:51	7.15	8.25	29.47	28.27	3.04	13	111	0.147	SE
S2A	20191101	Sunny	Moderate	Mid-Ebb	Surface	1.0	14:52	7.14	8.13	29.77	28.08	2.87	14	111	0.152	E
S2A	20191101	Sunny	Moderate	Mid-Ebb	Surface	1.0	14:52	6.97	8.14	29.74	28.18	3.1	14	111	0.26	SE
S3	20191101	Sunny	Moderate	Mid-Ebb	Bottom	9.4	15:26	6.71	8.15	29.74	28.32	3.57	14	110	0.264	SE
S3	20191101	Sunny	Moderate	Mid-Ebb	Bottom	9.4	15:26	7.1	8.16	29.76	28	3.9	13	111	0.22	SE
S3	20191101	Sunny	Moderate	Mid-Ebb	Middle	5.2	15:27	6.81	8.18	29.62	28.04	3.16	13	110	0.223	SE
S3	20191101	Sunny	Moderate	Mid-Ebb	Middle	5.2	15:27	6.91	8.25	29.55	28.28	3.13	14	110	0.266	SE
S3	20191101	Sunny	Moderate	Mid-Ebb	Surface	1.0	15:28	6.93	8.14	29.7	28.08	3.35	15	110	0.189	E
S3	20191101	Sunny	Moderate	Mid-Ebb	Surface	1.0	15:28	6.52	8.25	29.46	28.15	3.02	14	111	0.12	E
B1	20191105	Sunny	Moderate	Mid-Ebb	Bottom	4.0	09:06	7.24	8.17	29.59	27.54	3.63	5	111	0.234	E
B1	20191105	Sunny	Moderate	Mid-Ebb	Bottom	4.0	09:06	7.16	8.05	29.5	27.54	3.38	5	110	0.275	SE
B1	20191105	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:07	6.71	8.08	29.41	27.54	3.05	6	111	0.221	SE
B1	20191105	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:07	6.98	8.22	29.74	27.54	3.05	5	111	0.268	E
B2	20191105	Sunny	Moderate	Mid-Ebb	Bottom	4.4	09:27	6.69	8.24	29.79	27.43	3.86	5	112	0.151	E
B2	20191105	Sunny	Moderate	Mid-Ebb	Bottom	4.4	09:27	6.86	7.96	29.52	27.27	3.53	4	112	0.268	SE
B2	20191105	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:28	7	8.12	29.45	27.28	2.85	5	111	0.271	SE
B2	20191105	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:28	6.81	8.2	29.45	27.48	2.9	6	111	0.122	E
B3	20191105	Sunny	Moderate	Mid-Ebb	Bottom	3.7	09:25	7.13	8.04	29.54	27.31	3.5	4	111	0.163	E
B3	20191105	Sunny	Moderate	Mid-Ebb	Bottom	3.7	09:25	6.8	8.18	29.4	27.45	3.52	4	111	0.123	SE
B3	20191105	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:26	7.13	7.99	29.77	27.44	3.28	5	112	0.164	SE
B3	20191105	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:26	7.02	8.02	29.37	27.39	3.42	5	112	0.119	E
B4	20191105	Sunny	Moderate	Mid-Ebb	Bottom	3.6	09:35	7.18	8.23	29.5	27.27	3.96	7	112	0.231	SE
B4	20191105	Sunny	Moderate	Mid-Ebb	Bottom	3.6	09:35	6.84	8.13	29.39	27.28	3.55	6	112	0.188	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	20191105	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:36	6.86	8.24	29.77	27.53	3.35	2	112	0.204	E
B4	20191105	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:36	6.95	8.1	29.66	27.56	3.29	4	112	0.252	E
C1A	20191105	Sunny	Moderate	Mid-Ebb	Bottom	9.3	08:38	6.76	8.1	29.37	27.57	3.76	4	114	0.223	SE
C1A	20191105	Sunny	Moderate	Mid-Ebb	Bottom	9.3	08:38	7.05	8.02	29.82	27.44	3.89	4	114	0.166	E
C1A	20191105	Sunny	Moderate	Mid-Ebb	Middle	5.2	08:39	6.9	8.1	29.58	27.36	3.13	5	114	0.23	E
C1A	20191105	Sunny	Moderate	Mid-Ebb	Middle	5.2	08:39	6.76	8.15	29.31	27.34	3.06	5	114	0.273	SE
C1A	20191105	Sunny	Moderate	Mid-Ebb	Surface	1.0	08:40	6.64	8.18	29.89	27.26	2.93	3	113	0.116	SE
C1A	20191105	Sunny	Moderate	Mid-Ebb	Surface	1.0	08:40	6.91	8	29.34	27.5	2.81	2	113	0.269	SE
C2A	20191105	Sunny	Moderate	Mid-Ebb	Bottom	10.5	08:43	6.91	8.23	29.71	27.49	3.42	2	114	0.147	SE
C2A	20191105	Sunny	Moderate	Mid-Ebb	Bottom	10.5	08:43	6.63	8.15	29.41	27.44	3.88	3	114	0.134	SE
C2A	20191105	Sunny	Moderate	Mid-Ebb	Middle	5.8	08:44	7.1	8.2	29.4	27.44	3.37	2	114	0.155	E
C2A	20191105	Sunny	Moderate	Mid-Ebb	Middle	5.8	08:44	7.04	8.09	29.8	27.56	3.13	3	113	0.125	E
C2A	20191105	Sunny	Moderate	Mid-Ebb	Surface	1.0	08:45	6.69	8.12	29.3	27.5	3.06	2	114	0.126	E
C2A	20191105	Sunny	Moderate	Mid-Ebb	Surface	1.0	08:45	7.08	7.97	29.84	27.51	2.99	2	114	0.209	SE
F1A	20191105	Sunny	Moderate	Mid-Ebb	Bottom	7.8	10:03	7.1	8.16	29.88	27.53	3.72	8	112	0.188	SE
F1A	20191105	Sunny	Moderate	Mid-Ebb	Bottom	7.8	10:03	6.83	8.17	29.79	27.55	3.59	8	114	0.215	E
F1A	20191105	Sunny	Moderate	Mid-Ebb	Middle	4.4	10:04	6.92	8.15	29.54	27.45	2.89	6	115	0.243	E
F1A	20191105	Sunny	Moderate	Mid-Ebb	Middle	4.4	10:04	6.83	8.01	29.49	27.55	2.89	5	113	0.136	E
F1A	20191105	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:05	7.25	8.01	29.66	27.3	2.93	5	112	0.156	SE
F1A	20191105	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:05	6.72	8.02	29.31	27.4	3.2	6	115	0.166	SE
H1	20191105	Sunny	Moderate	Mid-Ebb	Bottom	7.5	09:07	7.06	8.03	29.58	27.31	3.41	5	113	0.185	SE
H1	20191105	Sunny	Moderate	Mid-Ebb	Bottom	7.5	09:07	7.18	8.01	29.66	27.42	3.9	5	113	0.245	E
H1	20191105	Sunny	Moderate	Mid-Ebb	Middle	4.3	09:08	6.85	8.03	29.83	27.47	2.92	7	112	0.246	SE
H1	20191105	Sunny	Moderate	Mid-Ebb	Middle	4.3	09:08	6.93	8.03	29.71	27.39	3.16	6	111	0.188	SE
H1	20191105	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:09	6.84	8.08	29.31	27.43	2.86	8	112	0.141	E
H1	20191105	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:09	6.91	8.11	29.72	27.42	3.29	8	112	0.118	SE
M1	20191105	Sunny	Moderate	Mid-Ebb	Bottom	8.8	10:40	6.69	7.98	29.78	27.55	3.84	5	115	0.198	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
M1	20191105	Sunny	Moderate	Mid-Ebb	Bottom	8.8	10:40	6.89	8.18	29.64	27.31	3.78	4	115	0.137	SE
M1	20191105	Sunny	Moderate	Mid-Ebb	Middle	4.9	10:41	6.7	8.18	29.41	27.36	2.95	3	115	0.184	E
M1	20191105	Sunny	Moderate	Mid-Ebb	Middle	4.9	10:41	7.25	8.02	29.32	27.53	3.23	4	115	0.162	E
M1	20191105	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:42	6.92	8.18	29.39	27.34	2.85	4	114	0.173	SE
M1	20191105	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:42	7.28	8.09	29.44	27.5	3.35	3	115	0.226	SE
CR1	20191105	Sunny	Moderate	Mid-Ebb	Bottom	12.7	10:40	6.62	8.24	29.75	27.4	3.47	9	115	0.194	SE
CR1	20191105	Sunny	Moderate	Mid-Ebb	Bottom	12.7	10:40	7.16	8.11	29.6	27.3	3.5	8	113	0.203	E
CR1	20191105	Sunny	Moderate	Mid-Ebb	Middle	6.9	10:41	7.06	8.08	29.67	27.47	2.83	6	114	0.155	SE
CR1	20191105	Sunny	Moderate	Mid-Ebb	Middle	6.9	10:41	7.27	8.19	29.58	27.51	2.98	6	115	0.235	SE
CR1	20191105	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:42	7.29	8.21	29.32	27.52	2.98	5	113	0.234	SE
CR1	20191105	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:42	6.69	8.05	29.85	27.5	3.06	6	116	0.198	SE
CR2	20191105	Sunny	Moderate	Mid-Ebb	Bottom	10.7	10:13	6.9	8.22	29.3	27.54	3.68	6	115	0.145	E
CR2	20191105	Sunny	Moderate	Mid-Ebb	Bottom	10.7	10:13	6.76	8.05	29.63	27.52	3.49	5	115	0.279	SE
CR2	20191105	Sunny	Moderate	Mid-Ebb	Middle	5.9	10:14	6.88	8.03	29.75	27.55	3.07	6	115	0.239	SE
CR2	20191105	Sunny	Moderate	Mid-Ebb	Middle	5.9	10:14	6.65	8.17	29.86	27.57	3.35	6	115	0.159	SE
CR2	20191105	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:15	6.77	8.17	29.65	27.44	3.06	5	116	0.139	SE
CR2	20191105	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:15	7.03	8.21	29.46	27.52	3.31	5	114	0.218	SE
S1	20191105	Sunny	Moderate	Mid-Ebb	Bottom	4.0	09:17	6.62	8.1	29.75	27.28	3.89	7	111	0.212	E
S1	20191105	Sunny	Moderate	Mid-Ebb	Bottom	4.0	09:17	7.1	8.15	29.68	27.44	3.77	7	112	0.209	SE
S1	20191105	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:18	7	8.19	29.32	27.57	2.86	6	115	0.245	E
S1	20191105	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:18	7	8.13	29.73	27.44	2.85	6	112	0.265	SE
S2A	20191105	Sunny	Moderate	Mid-Ebb	Bottom	8.3	09:48	6.73	8.15	29.5	27.56	3.45	7	116	0.149	SE
S2A	20191105	Sunny	Moderate	Mid-Ebb	Bottom	8.3	09:48	6.64	8.2	29.57	27.55	3.45	6	114	0.166	SE
S2A	20191105	Sunny	Moderate	Mid-Ebb	Middle	4.7	09:49	7.07	8.11	29.54	27.4	2.89	6	111	0.245	SE
S2A	20191105	Sunny	Moderate	Mid-Ebb	Middle	4.7	09:49	6.71	8.14	29.35	27.41	3.23	6	111	0.117	SE
S2A	20191105	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:50	6.98	8.02	29.56	27.48	3.32	4	112	0.193	E
S2A	20191105	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:50	6.66	8.18	29.59	27.31	3.38	3	115	0.147	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	20191105	Sunny	Moderate	Mid-Ebb	Bottom	9.3	10:23	6.75	8.14	29.74	27.48	3.95	5	115	0.203	SE
S3	20191105	Sunny	Moderate	Mid-Ebb	Bottom	9.3	10:23	6.96	8.21	29.4	27.37	3.76	5	116	0.187	SE
S3	20191105	Sunny	Moderate	Mid-Ebb	Middle	5.2	10:24	7.12	8.12	29.71	27.49	3.15	6	113	0.234	SE
S3	20191105	Sunny	Moderate	Mid-Ebb	Middle	5.2	10:24	6.93	8.17	29.4	27.56	3.03	5	114	0.18	SE
S3	20191105	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:25	6.86	8.18	29.85	27.53	3.4	6	115	0.252	SE
S3	20191105	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:25	7.14	8.22	29.73	27.46	3.28	5	116	0.214	E
B1	20191105	Sunny	Moderate	Mid-Flood	Bottom	3.8	13:07	6.74	8.18	29.34	28.22	3.4	4	110	0.18	NW
B1	20191105	Sunny	Moderate	Mid-Flood	Bottom	3.8	13:07	7.21	8.08	29.66	28.35	3.83	3	111	0.231	W
B1	20191105	Sunny	Moderate	Mid-Flood	Surface	1.0	13:08	7.08	7.95	29.82	28.33	3.2	4	112	0.216	W
B1	20191105	Sunny	Moderate	Mid-Flood	Surface	1.0	13:08	7.02	8.2	29.83	28.23	3.41	3	111	0.193	W
B2	20191105	Sunny	Moderate	Mid-Flood	Bottom	3.6	13:28	6.75	8.11	29.34	28.19	3.5	5	111	0.158	W
B2	20191105	Sunny	Moderate	Mid-Flood	Bottom	3.6	13:28	6.78	7.99	29.47	28.15	3.63	4	111	0.254	W
B2	20191105	Sunny	Moderate	Mid-Flood	Surface	1.0	13:29	7.02	7.97	29.43	28.47	3.02	4	111	0.322	W
B2	20191105	Sunny	Moderate	Mid-Flood	Surface	1.0	13:29	7.08	8.09	29.84	28.12	3.16	3	110	0.252	W
B3	20191105	Sunny	Moderate	Mid-Flood	Bottom	3.8	13:35	6.69	8.2	29.26	28.2	3.76	7	110	0.309	W
B3	20191105	Sunny	Moderate	Mid-Flood	Bottom	3.8	13:35	7.12	8.23	29.47	28.43	3.66	7	111	0.159	W
B3	20191105	Sunny	Moderate	Mid-Flood	Surface	1.0	13:36	7.13	8.19	29.56	28.43	3.38	3	110	0.267	W
B3	20191105	Sunny	Moderate	Mid-Flood	Surface	1.0	13:36	6.9	8.02	29.7	28.13	3.5	5	110	0.24	W
B4	20191105	Sunny	Moderate	Mid-Flood	Bottom	4.2	13:47	6.88	8.05	29.94	28.22	4	6	110	0.282	NW
B4	20191105	Sunny	Moderate	Mid-Flood	Bottom	4.2	13:47	6.63	8.15	29.29	28.2	3.77	7	109	0.299	W
B4	20191105	Sunny	Moderate	Mid-Flood	Surface	1.0	13:48	6.97	8	29.83	28.41	3.42	3	110	0.288	NW
B4	20191105	Sunny	Moderate	Mid-Flood	Surface	1.0	13:48	6.69	8	29.57	28.35	3.38	4	110	0.199	W
C1A	20191105	Sunny	Moderate	Mid-Flood	Bottom	9.2	12:41	6.73	7.99	29.21	28.29	3.85	4	111	0.251	W
C1A	20191105	Sunny	Moderate	Mid-Flood	Bottom	9.2	12:41	6.58	8.14	29.8	28.1	3.74	4	111	0.212	W
C1A	20191105	Sunny	Moderate	Mid-Flood	Middle	5.1	12:42	7.2	8.15	29.22	28.35	3.35	5	110	0.258	W
C1A	20191105	Sunny	Moderate	Mid-Flood	Middle	5.1	12:42	6.88	8	29.75	28.1	3.56	4	111	0.157	W
C1A	20191105	Sunny	Moderate	Mid-Flood	Surface	1.0	12:43	6.55	8.18	29.63	28.26	2.96	5	111	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
C1A	20191105	Sunny	Moderate	Mid-Flood	Surface	1.0	12:43	7.09	8.06	29.28	28.48	3.22	5	111	0.148	NW
C2A	20191105	Sunny	Moderate	Mid-Flood	Bottom	10.9	12:41	6.9	8.04	29.82	28.43	3.55	7	111	0.142	W
C2A	20191105	Sunny	Moderate	Mid-Flood	Bottom	10.9	12:41	7	8.14	29.6	28.19	3.81	7	111	0.285	W
C2A	20191105	Sunny	Moderate	Mid-Flood	Middle	6.0	12:42	7.03	7.99	29.67	28.1	3.43	5	111	0.321	W
C2A	20191105	Sunny	Moderate	Mid-Flood	Middle	6.0	12:42	7.12	8.08	29.53	28.18	3.37	6	111	0.223	W
C2A	20191105	Sunny	Moderate	Mid-Flood	Surface	1.0	12:43	6.99	8.1	29.23	28.34	2.94	4	111	0.16	W
C2A	20191105	Sunny	Moderate	Mid-Flood	Surface	1.0	12:43	7.16	8.1	29.54	28.41	3.11	4	111	0.302	W
CR1	20191105	Sunny	Moderate	Mid-Flood	Bottom	12.1	14:43	7.18	8.13	29.49	28.3	3.98	6	111	0.142	W
CR1	20191105	Sunny	Moderate	Mid-Flood	Bottom	12.1	14:43	6.86	8	29.85	28.04	3.48	5	111	0.187	NW
CR1	20191105	Sunny	Moderate	Mid-Flood	Middle	6.6	14:44	7.1	8.22	29.25	28.2	3.35	5	111	0.164	W
CR1	20191105	Sunny	Moderate	Mid-Flood	Middle	6.6	14:44	7.18	8.03	29.45	28.14	3.26	6	111	0.17	W
CR1	20191105	Sunny	Moderate	Mid-Flood	Surface	1.0	14:45	7.16	8.05	29.61	28.09	3.15	5	112	0.294	NW
CR1	20191105	Sunny	Moderate	Mid-Flood	Surface	1.0	14:45	6.92	8.03	29.9	28.25	3.19	6	111	0.196	NW
CR2	20191105	Sunny	Moderate	Mid-Flood	Bottom	9.8	14:14	6.94	8.08	29.7	28.32	3.93	6	111	0.259	W
CR2	20191105	Sunny	Moderate	Mid-Flood	Bottom	9.8	14:14	6.64	8.1	29.83	28.1	3.88	6	112	0.304	W
CR2	20191105	Sunny	Moderate	Mid-Flood	Middle	5.4	14:15	7.12	8.14	29.27	28.41	3.48	6	112	0.147	W
CR2	20191105	Sunny	Moderate	Mid-Flood	Middle	5.4	14:15	6.61	8.16	29.95	28.2	3.67	6	112	0.208	W
CR2	20191105	Sunny	Moderate	Mid-Flood	Surface	1.0	14:16	6.6	8.08	29.68	28.28	3.22	5	112	0.25	W
CR2	20191105	Sunny	Moderate	Mid-Flood	Surface	1.0	14:16	7.03	8.23	29.55	28.24	3.17	5	112	0.179	W
F1A	20191105	Sunny	Moderate	Mid-Flood	Bottom	6.9	14:21	6.83	7.96	29.39	28.06	3.59	3	110	0.218	W
F1A	20191105	Sunny	Moderate	Mid-Flood	Bottom	6.9	14:21	6.74	8.23	29.57	28.12	3.9	4	111	0.172	NW
F1A	20191105	Sunny	Moderate	Mid-Flood	Middle	4.0	14:22	6.95	8.13	29.29	28.22	3.09	4	111	0.3	W
F1A	20191105	Sunny	Moderate	Mid-Flood	Middle	4.0	14:22	6.61	8	29.81	28.19	3.05	4	112	0.197	NW
F1A	20191105	Sunny	Moderate	Mid-Flood	Surface	1.0	14:23	6.55	8.18	29.37	28.14	3.23	5	110	0.211	W
F1A	20191105	Sunny	Moderate	Mid-Flood	Surface	1.0	14:23	6.85	8.14	29.78	28.23	3.1	6	110	0.265	W
H1	20191105	Sunny	Moderate	Mid-Flood	Bottom	6.5	13:15	7	8.19	29.92	28.19	3.74	5	111	0.245	W
H1	20191105	Sunny	Moderate	Mid-Flood	Bottom	6.5	13:15	6.84	8.13	29.54	28.44	3.71	6	110	0.296	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	20191105	Sunny	Moderate	Mid-Flood	Middle	3.8	13:16	6.68	8.06	29.42	28.15	3.46	4	111	0.235	W
H1	20191105	Sunny	Moderate	Mid-Flood	Middle	3.8	13:16	6.81	8.01	29.5	28.19	3.56	5	110	0.2	W
H1	20191105	Sunny	Moderate	Mid-Flood	Surface	1.0	13:17	6.7	8.1	29.73	28.35	3.15	5	110	0.156	W
H1	20191105	Sunny	Moderate	Mid-Flood	Surface	1.0	13:17	7.16	7.95	29.67	28.48	3.41	5	110	0.313	W
M1	20191105	Sunny	Moderate	Mid-Flood	Bottom	6.8	14:53	6.66	8.05	29.22	28.11	3.51	5	112	0.228	W
M1	20191105	Sunny	Moderate	Mid-Flood	Bottom	6.8	14:53	6.59	8.07	29.94	28.39	3.69	6	111	0.166	NW
M1	20191105	Sunny	Moderate	Mid-Flood	Middle	3.9	14:54	6.58	8.21	29.7	28.27	3.16	5	112	0.145	NW
M1	20191105	Sunny	Moderate	Mid-Flood	Middle	3.9	14:54	6.57	8.03	29.34	28.32	3.61	6	111	0.309	W
M1	20191105	Sunny	Moderate	Mid-Flood	Surface	1.0	14:55	6.88	7.96	29.86	28.03	3.13	5	111	0.308	W
M1	20191105	Sunny	Moderate	Mid-Flood	Surface	1.0	14:55	6.94	8.14	29.82	28.41	2.91	4	111	0.215	W
S1	20191105	Sunny	Moderate	Mid-Flood	Bottom	4.5	13:17	6.82	8.13	29.38	28.36	3.41	5	111	0.204	W
S1	20191105	Sunny	Moderate	Mid-Flood	Bottom	4.5	13:17	6.83	8.21	29.81	28.37	3.9	5	111	0.211	W
S1	20191105	Sunny	Moderate	Mid-Flood	Surface	1.0	13:18	6.61	8.09	29.6	28.15	3.15	5	112	0.315	W
S1	20191105	Sunny	Moderate	Mid-Flood	Surface	1.0	13:18	7.03	8.06	29.53	28.34	3.32	5	111	0.276	W
S2A	20191105	Sunny	Moderate	Mid-Flood	Bottom	8.0	13:49	6.7	8.2	29.6	28.4	3.68	5	110	0.2	W
S2A	20191105	Sunny	Moderate	Mid-Flood	Bottom	8.0	13:49	6.71	7.96	29.24	28.2	3.97	6	110	0.188	W
S2A	20191105	Sunny	Moderate	Mid-Flood	Middle	4.5	13:50	6.58	8.09	29.49	28.12	3.42	6	111	0.252	W
S2A	20191105	Sunny	Moderate	Mid-Flood	Middle	4.5	13:50	7.04	8.21	29.21	28.39	3.6	4	111	0.222	W
S2A	20191105	Sunny	Moderate	Mid-Flood	Surface	1.0	13:51	6.6	8.22	29.29	28.24	2.97	4	111	0.315	W
S2A	20191105	Sunny	Moderate	Mid-Flood	Surface	1.0	13:51	7.06	8.1	29.35	28.33	2.89	4	111	0.179	W
S3	20191105	Sunny	Moderate	Mid-Flood	Bottom	8.9	14:24	6.87	8.11	29.65	28.17	3.71	4	112	0.29	W
S3	20191105	Sunny	Moderate	Mid-Flood	Bottom	8.9	14:24	6.78	8.23	29.84	28.15	3.66	6	112	0.193	W
S3	20191105	Sunny	Moderate	Mid-Flood	Middle	5.0	14:25	6.57	8.2	29.2	28.26	3.54	4	111	0.167	NW
S3	20191105	Sunny	Moderate	Mid-Flood	Middle	5.0	14:25	6.9	8.05	29.95	28.4	3.48	5	111	0.286	W
S3	20191105	Sunny	Moderate	Mid-Flood	Surface	1.0	14:26	6.9	8.09	29.4	28.23	3.27	4	111	0.242	W
S3	20191105	Sunny	Moderate	Mid-Flood	Surface	1.0	14:26	7.16	8.17	29.42	28.2	3.28	5	111	0.207	NW
B1	20191107	Sunny	Moderate	Mid-Ebb	Bottom	3.8	08:54	6.9	8.08	29.35	27.14	3.7	<2	113	0.225	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	20191107	Sunny	Moderate	Mid-Ebb	Bottom	3.8	08:54	6.85	8.07	29.9	27.1	3.72	<2	113	0.202	SE
B1	20191107	Sunny	Moderate	Mid-Ebb	Surface	1.0	08:55	6.78	8.19	29.85	27.15	3.44	<2	113	0.184	SE
B1	20191107	Sunny	Moderate	Mid-Ebb	Surface	1.0	08:55	6.86	8.19	29.76	27.05	3.6	<2	112	0.176	SE
B2	20191107	Sunny	Moderate	Mid-Ebb	Bottom	4.2	09:16	7.04	7.98	29.83	27.23	3.89	2	112	0.177	SE
B2	20191107	Sunny	Moderate	Mid-Ebb	Bottom	4.2	09:16	7.05	8.21	29.51	27.25	4.18	3	113	0.147	E
B2	20191107	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:17	6.61	8.08	29.43	27.26	3.29	<2	113	0.263	E
B2	20191107	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:17	6.37	7.96	29.79	27.24	3.49	<2	113	0.22	SE
B3	20191107	Sunny	Moderate	Mid-Ebb	Bottom	3.6	10:17	7.03	8.14	29.74	27.32	3.94	3	113	0.17	SE
B3	20191107	Sunny	Moderate	Mid-Ebb	Bottom	3.6	10:17	7.07	8.03	29.9	27.24	4.19	2	113	0.209	SE
B3	20191107	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:18	6.58	7.98	29.35	27.34	3.34	2	112	0.147	SE
B3	20191107	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:18	7.04	8.05	29.43	27.32	3.45	2	112	0.268	E
B4	20191107	Sunny	Moderate	Mid-Ebb	Bottom	4.0	10:26	6.53	8.24	29.57	27.32	3.74	3	112	0.146	E
B4	20191107	Sunny	Moderate	Mid-Ebb	Bottom	4.0	10:26	6.5	8.07	29.6	27.36	4.04	3	113	0.282	SE
B4	20191107	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:27	6.78	8.16	29.56	27.15	3.67	3	112	0.239	SE
B4	20191107	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:27	6.75	8.02	29.77	27.23	3.67	3	113	0.124	SE
C1A	20191107	Sunny	Moderate	Mid-Ebb	Bottom	10.0	08:26	6.48	8.13	29.3	27.16	3.7	2	113	0.149	SE
C1A	20191107	Sunny	Moderate	Mid-Ebb	Bottom	10.0	08:26	6.6	8.15	29.88	27.17	3.69	4	112	0.143	E
C1A	20191107	Sunny	Moderate	Mid-Ebb	Middle	5.5	08:27	6.61	8.21	29.54	27.37	3.12	3	113	0.241	SE
C1A	20191107	Sunny	Moderate	Mid-Ebb	Middle	5.5	08:27	6.44	8.15	29.48	27.2	3.29	2	113	0.281	SE
C1A	20191107	Sunny	Moderate	Mid-Ebb	Surface	1.0	08:28	6.57	8.02	29.47	27.27	3.33	2	113	0.242	SE
C1A	20191107	Sunny	Moderate	Mid-Ebb	Surface	1.0	08:28	6.81	8.07	29.79	27.32	3.16	3	112	0.121	SE
C2A	20191107	Sunny	Moderate	Mid-Ebb	Bottom	11.3	09:15	6.91	8.15	29.51	27.27	3.76	2	112	0.276	SE
C2A	20191107	Sunny	Moderate	Mid-Ebb	Bottom	11.3	09:15	6.54	8.19	29.34	27.2	4.15	3	112	0.221	SE
C2A	20191107	Sunny	Moderate	Mid-Ebb	Middle	6.2	09:16	6.66	8.08	29.69	27.22	3.4	2	113	0.16	E
C2A	20191107	Sunny	Moderate	Mid-Ebb	Middle	6.2	09:16	6.59	7.99	29.75	27.35	3.47	3	113	0.266	SE
C2A	20191107	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:17	6.58	7.98	29.61	27.3	3.27	2	112	0.228	E
C2A	20191107	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:17	6.77	8.12	29.56	27.07	3.57	3	112	0.22	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	20191107	Sunny	Moderate	Mid-Ebb	Bottom	8.0	11:00	6.51	7.98	29.47	27.26	4.16	3	113	0.17	E
F1A	20191107	Sunny	Moderate	Mid-Ebb	Bottom	8.0	11:00	6.69	8.2	29.64	27.06	3.68	3	112	0.26	SE
F1A	20191107	Sunny	Moderate	Mid-Ebb	Middle	4.5	11:01	6.84	8	29.85	27.31	3.7	3	113	0.206	E
F1A	20191107	Sunny	Moderate	Mid-Ebb	Middle	4.5	11:01	6.7	8.13	29.48	27.34	3.71	2	113	0.206	SE
F1A	20191107	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:02	6.45	7.96	29.39	27.09	3.1	2	112	0.155	E
F1A	20191107	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:02	6.96	8.15	29.38	27.11	3.19	3	112	0.125	E
H1	20191107	Sunny	Moderate	Mid-Ebb	Bottom	7.5	09:57	6.51	8.19	29.67	27.04	3.91	3	113	0.121	SE
H1	20191107	Sunny	Moderate	Mid-Ebb	Bottom	7.5	09:57	7.06	8.13	29.44	27.09	4.15	4	113	0.246	E
H1	20191107	Sunny	Moderate	Mid-Ebb	Middle	4.3	09:58	6.97	8.06	29.54	27.05	3.69	4	112	0.202	E
H1	20191107	Sunny	Moderate	Mid-Ebb	Middle	4.3	09:58	6.82	7.98	29.9	27.08	3.4	3	113	0.213	SE
H1	20191107	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:59	6.6	8.06	29.34	27.34	3.21	2	113	0.263	SE
H1	20191107	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:59	6.56	8.19	29.56	27.33	3.57	3	113	0.201	SE
M1	20191107	Sunny	Moderate	Mid-Ebb	Bottom	8.2	11:34	6.88	8.09	29.54	27.35	3.66	3	113	0.133	E
M1	20191107	Sunny	Moderate	Mid-Ebb	Bottom	8.2	11:34	6.91	7.99	29.55	27.15	4.11	3	112	0.191	SE
M1	20191107	Sunny	Moderate	Mid-Ebb	Middle	4.6	11:35	6.87	8.24	29.5	27.32	3.39	2	112	0.202	E
M1	20191107	Sunny	Moderate	Mid-Ebb	Middle	4.6	11:35	6.68	8	29.84	27.38	3.6	2	114	0.241	SE
M1	20191107	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:36	7.09	8.16	29.7	27.37	3.12	2	113	0.224	SE
M1	20191107	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:36	6.56	8.08	29.69	27.36	3.3	3	113	0.157	SE
CR1	20191107	Sunny	Moderate	Mid-Ebb	Bottom	11.3	09:34	6.54	8.16	29.54	27.2	3.95	3	112	0.268	SE
CR1	20191107	Sunny	Moderate	Mid-Ebb	Bottom	11.3	09:34	6.63	8.23	29.39	27.06	3.94	3	113	0.255	E
CR1	20191107	Sunny	Moderate	Mid-Ebb	Middle	6.2	09:35	6.76	8.22	29.55	27.28	3.48	3	113	0.26	SE
CR1	20191107	Sunny	Moderate	Mid-Ebb	Middle	6.2	09:35	6.58	8.01	29.39	27.17	3.69	4	112	0.138	E
CR1	20191107	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:36	6.65	8.09	29.32	27.37	3.54	3	112	0.227	SE
CR1	20191107	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:36	6.69	8.14	29.56	27.31	3.24	4	113	0.212	E
CR2	20191107	Sunny	Moderate	Mid-Ebb	Bottom	9.8	09:57	6.46	7.98	29.49	27.35	3.84	3	113	0.227	SE
CR2	20191107	Sunny	Moderate	Mid-Ebb	Bottom	9.8	09:57	6.95	8.23	29.71	27.11	4.08	3	113	0.166	E
CR2	20191107	Sunny	Moderate	Mid-Ebb	Middle	5.4	09:58	6.65	8.08	29.86	27.37	3.55	3	113	0.195	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	20191107	Sunny	Moderate	Mid-Ebb	Middle	5.4	09:58	6.71	8.17	29.9	27.32	3.23	2	113	0.175	SE
CR2	20191107	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:59	6.64	8.1	29.31	27.22	3.2	2	113	0.149	SE
CR2	20191107	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:59	6.45	8.07	29.89	27.17	3.41	2	113	0.207	SE
S1	20191107	Sunny	Moderate	Mid-Ebb	Bottom	4.4	09:05	6.93	8.17	29.66	27.05	4.07	2	113	0.178	SE
S1	20191107	Sunny	Moderate	Mid-Ebb	Bottom	4.4	09:05	6.63	8.17	29.73	27.27	3.86	2	113	0.159	SE
S1	20191107	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:06	6.6	8.04	29.85	27.23	3.58	<2	113	0.216	SE
S1	20191107	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:06	6.46	8.1	29.46	27.21	3.12	<2	112	0.205	SE
S2A	20191107	Sunny	Moderate	Mid-Ebb	Bottom	8.6	09:35	6.66	8.22	29.32	27.15	3.76	3	114	0.122	E
S2A	20191107	Sunny	Moderate	Mid-Ebb	Bottom	8.6	09:35	6.77	8.08	29.89	27.31	3.65	2	113	0.127	E
S2A	20191107	Sunny	Moderate	Mid-Ebb	Middle	4.8	09:36	6.56	7.96	29.64	27.11	3.26	2	113	0.127	E
S2A	20191107	Sunny	Moderate	Mid-Ebb	Middle	4.8	09:36	6.87	8.15	29.47	27.29	3.29	2	112	0.263	SE
S2A	20191107	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:37	6.69	8.05	29.72	27.06	3.59	2	113	0.268	SE
S2A	20191107	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:37	6.6	8.09	29.56	27.09	3.22	2	113	0.236	SE
S3	20191107	Sunny	Moderate	Mid-Ebb	Bottom	10.5	10:07	6.75	8.03	29.75	27.06	4.28	2	113	0.197	E
S3	20191107	Sunny	Moderate	Mid-Ebb	Bottom	10.5	10:07	6.8	8.1	29.82	27.34	4.28	3	113	0.268	SE
S3	20191107	Sunny	Moderate	Mid-Ebb	Middle	5.8	10:08	6.44	8.19	29.45	27.36	3.49	2	112	0.154	E
S3	20191107	Sunny	Moderate	Mid-Ebb	Middle	5.8	10:08	7.06	7.97	29.68	27.28	3.44	2	113	0.276	SE
S3	20191107	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:09	6.82	8.06	29.4	27.18	3.68	<2	113	0.192	SE
S3	20191107	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:09	6.81	8.12	29.82	27.08	3.52	<2	112	0.258	SE
B1	20191107	Sunny	Moderate	Mid-Flood	Bottom	4.6	14:55	7.25	8.22	29.17	28.15	3.5	<2	113	0.24	W
B1	20191107	Sunny	Moderate	Mid-Flood	Bottom	4.6	14:55	6.99	8.18	29.78	28.15	3.66	<2	112	0.228	W
B1	20191107	Sunny	Moderate	Mid-Flood	Surface	1.0	14:56	6.99	8.04	29.82	27.96	3.17	<2	114	0.174	W
B1	20191107	Sunny	Moderate	Mid-Flood	Surface	1.0	14:56	7.1	8.01	29.09	28	2.89	<2	111	0.155	W
B2	20191107	Sunny	Moderate	Mid-Flood	Bottom	3.4	15:17	6.91	8.14	29.12	28.11	3.48	<2	113	0.141	W
B2	20191107	Sunny	Moderate	Mid-Flood	Bottom	3.4	15:17	6.93	7.95	29.56	28.06	3.79	<2	112	0.183	W
B2	20191107	Sunny	Moderate	Mid-Flood	Surface	1.0	15:18	6.99	8.11	29.53	28.36	3.17	<2	114	0.138	W
B2	20191107	Sunny	Moderate	Mid-Flood	Surface	1.0	15:18	7	8.22	29.3	28.14	2.99	<2	112	0.31	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	20191107	Sunny	Moderate	Mid-Flood	Bottom	3.8	15:33	6.85	8.19	29.27	28.36	3.62	<2	113	0.266	W
B3	20191107	Sunny	Moderate	Mid-Flood	Bottom	3.8	15:33	7.15	7.96	29.84	28.32	4.12	<2	113	0.282	NW
B3	20191107	Sunny	Moderate	Mid-Flood	Surface	1.0	15:34	6.97	7.95	29.07	28.31	2.95	<2	113	0.232	NW
B3	20191107	Sunny	Moderate	Mid-Flood	Surface	1.0	15:34	6.86	8.22	29.7	28.07	3.19	<2	113	0.249	W
B4	20191107	Sunny	Moderate	Mid-Flood	Bottom	3.7	15:43	6.86	8.17	29.17	28.4	3.93	2	113	0.248	W
B4	20191107	Sunny	Moderate	Mid-Flood	Bottom	3.7	15:43	6.96	8.06	29.63	28.34	4.01	2	113	0.302	W
B4	20191107	Sunny	Moderate	Mid-Flood	Surface	1.0	15:44	7	8.01	29.58	28.28	3.13	<2	114	0.299	NW
B4	20191107	Sunny	Moderate	Mid-Flood	Surface	1.0	15:44	6.75	8.03	29.83	28.02	3.09	<2	113	0.268	W
C1A	20191107	Sunny	Moderate	Mid-Flood	Bottom	9.9	14:28	6.86	8.03	29.72	28.14	3.85	<2	113	0.217	W
C1A	20191107	Sunny	Moderate	Mid-Flood	Bottom	9.9	14:28	6.86	7.98	29.88	28.11	3.73	<2	112	0.27	W
C1A	20191107	Sunny	Moderate	Mid-Flood	Middle	5.5	14:29	7.12	8.15	29.07	28.33	3.17	<2	113	0.178	NW
C1A	20191107	Sunny	Moderate	Mid-Flood	Middle	5.5	14:29	7.13	8.06	29.4	28.22	3.58	<2	112	0.291	W
C1A	20191107	Sunny	Moderate	Mid-Flood	Surface	1.0	14:30	6.81	8.11	29.04	28.32	3.09	<2	112	0.313	W
C1A	20191107	Sunny	Moderate	Mid-Flood	Surface	1.0	14:30	7.21	8.01	29.73	27.96	3.33	<2	112	0.254	NW
C2A	20191107	Sunny	Moderate	Mid-Flood	Bottom	10.8	14:28	7.31	8.05	29.67	28.34	3.79	2	113	0.144	NW
C2A	20191107	Sunny	Moderate	Mid-Flood	Bottom	10.8	14:28	7.18	8.2	29.16	28.17	3.75	2	113	0.195	NW
C2A	20191107	Sunny	Moderate	Mid-Flood	Middle	5.9	14:29	7.17	8.07	29.27	28.16	3.26	<2	113	0.293	W
C2A	20191107	Sunny	Moderate	Mid-Flood	Middle	5.9	14:29	6.86	8.09	29.32	28.27	3.15	2	112	0.262	W
C2A	20191107	Sunny	Moderate	Mid-Flood	Surface	1.0	14:30	7.25	8.04	29.52	28.04	2.93	<2	113	0.316	NW
C2A	20191107	Sunny	Moderate	Mid-Flood	Surface	1.0	14:30	6.87	8.08	29.59	28.15	3.03	<2	113	0.268	W
F1A	20191107	Sunny	Moderate	Mid-Flood	Bottom	7.4	16:02	6.79	8.01	29.22	28.27	3.93	2	113	0.14	NW
F1A	20191107	Sunny	Moderate	Mid-Flood	Bottom	7.4	16:02	7.09	8.03	29.91	28.01	3.67	2	113	0.19	W
F1A	20191107	Sunny	Moderate	Mid-Flood	Middle	4.2	16:03	7.01	8.1	29.56	28.11	3.6	2	112	0.185	W
F1A	20191107	Sunny	Moderate	Mid-Flood	Middle	4.2	16:03	6.79	8	29.21	28.2	3.11	2	113	0.229	NW
F1A	20191107	Sunny	Moderate	Mid-Flood	Surface	1.0	16:04	6.92	8.06	29.34	28.02	3.31	2	113	0.174	W
F1A	20191107	Sunny	Moderate	Mid-Flood	Surface	1.0	16:04	7.17	8.16	29.34	28.16	3.35	3	114	0.272	NW
H1	20191107	Sunny	Moderate	Mid-Flood	Bottom	7.5	15:13	7.13	8.22	29.71	27.96	3.48	3	113	0.212	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	20191107	Sunny	Moderate	Mid-Flood	Bottom	7.5	15:13	6.98	8.02	29.88	28.09	3.75	3	113	0.193	NW
H1	20191107	Sunny	Moderate	Mid-Flood	Middle	4.3	15:14	7.29	7.97	29.87	28.01	3.25	3	114	0.197	W
H1	20191107	Sunny	Moderate	Mid-Flood	Middle	4.3	15:14	6.82	7.95	29.14	27.94	3.6	3	113	0.265	W
H1	20191107	Sunny	Moderate	Mid-Flood	Surface	1.0	15:15	6.98	8.21	29.2	28.21	3.3	3	112	0.319	W
H1	20191107	Sunny	Moderate	Mid-Flood	Surface	1.0	15:15	7.31	8.09	29.12	28.22	3.33	2	112	0.162	W
M1	20191107	Sunny	Moderate	Mid-Flood	Bottom	6.6	16:40	6.79	8.16	29	28.08	3.48	2	112	0.164	W
M1	20191107	Sunny	Moderate	Mid-Flood	Bottom	6.6	16:40	6.83	8.07	29.61	28.2	3.54	2	113	0.316	W
M1	20191107	Sunny	Moderate	Mid-Flood	Middle	3.8	16:41	7.13	8.07	29.48	28.17	3.24	<2	113	0.222	W
M1	20191107	Sunny	Moderate	Mid-Flood	Middle	3.8	16:41	7.08	8.21	29.27	28.22	3.08	<2	113	0.254	W
M1	20191107	Sunny	Moderate	Mid-Flood	Surface	1.0	16:42	6.78	7.99	29.43	28.21	3.41	<2	113	0.251	NW
M1	20191107	Sunny	Moderate	Mid-Flood	Surface	1.0	16:42	6.99	8.12	29.62	28.18	2.87	<2	113	0.307	W
CR1	20191107	Sunny	Moderate	Mid-Flood	Bottom	11.7	14:48	7.29	8.14	29.67	28.4	3.48	3	113	0.184	W
CR1	20191107	Sunny	Moderate	Mid-Flood	Bottom	11.7	14:48	7.23	8	29.52	27.9	3.41	2	114	0.284	NW
CR1	20191107	Sunny	Moderate	Mid-Flood	Middle	6.4	14:49	7.21	8.06	29.58	28.31	3.57	<2	114	0.293	NW
CR1	20191107	Sunny	Moderate	Mid-Flood	Middle	6.4	14:49	6.91	7.98	29.68	28.33	3.07	<2	113	0.283	W
CR1	20191107	Sunny	Moderate	Mid-Flood	Surface	1.0	14:50	7.04	8.04	29.88	28.18	2.85	<2	113	0.294	NW
CR1	20191107	Sunny	Moderate	Mid-Flood	Surface	1.0	14:50	6.86	7.98	29.7	28.3	3.04	<2	113	0.269	W
CR2	20191107	Sunny	Moderate	Mid-Flood	Bottom	10.0	15:57	7.14	8.03	29.71	28.02	3.42	<2	112	0.239	W
CR2	20191107	Sunny	Moderate	Mid-Flood	Bottom	10.0	15:57	7.03	7.98	29.55	28.05	3.4	<2	112	0.278	W
CR2	20191107	Sunny	Moderate	Mid-Flood	Middle	5.5	15:58	7.08	8.12	29.87	28.34	3.13	<2	114	0.295	W
CR2	20191107	Sunny	Moderate	Mid-Flood	Middle	5.5	15:58	7.21	8.09	29.8	28.21	3.11	<2	113	0.163	W
CR2	20191107	Sunny	Moderate	Mid-Flood	Surface	1.0	15:59	6.91	8.21	29.58	28.3	2.95	<2	113	0.169	W
CR2	20191107	Sunny	Moderate	Mid-Flood	Surface	1.0	15:59	6.98	8.08	29.72	28	2.87	<2	114	0.222	W
S1	20191107	Sunny	Moderate	Mid-Flood	Bottom	4.4	15:06	6.85	8.12	29.56	27.92	3.63	2	113	0.298	NW
S1	20191107	Sunny	Moderate	Mid-Flood	Bottom	4.4	15:06	7.16	8.03	29.38	28.27	3.56	2	114	0.259	W
S1	20191107	Sunny	Moderate	Mid-Flood	Surface	1.0	15:07	6.77	7.99	29.3	28.32	2.93	<2	114	0.289	W
S1	20191107	Sunny	Moderate	Mid-Flood	Surface	1.0	15:07	7.12	8.19	29.2	28.13	3.43	<2	113	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
S2A	20191107	Sunny	Moderate	Mid-Flood	Bottom	8.0	15:36	7.3	8.12	29.11	28.16	3.75	<2	113	0.139	W
S2A	20191107	Sunny	Moderate	Mid-Flood	Bottom	8.0	15:36	6.92	8.04	29.29	28.36	3.73	<2	114	0.17	NW
S2A	20191107	Sunny	Moderate	Mid-Flood	Middle	4.5	15:37	6.8	8.17	29.45	27.97	3.56	<2	112	0.297	W
S2A	20191107	Sunny	Moderate	Mid-Flood	Middle	4.5	15:37	6.81	8.06	29.46	28.34	3.05	<2	113	0.219	W
S2A	20191107	Sunny	Moderate	Mid-Flood	Surface	1.0	15:38	6.75	8.22	29.9	28.14	3.16	<2	113	0.231	NW
S2A	20191107	Sunny	Moderate	Mid-Flood	Surface	1.0	15:38	7.27	8.02	29.06	28.21	3.16	<2	112	0.258	W
S3	20191107	Sunny	Moderate	Mid-Flood	Bottom	9.4	16:08	7.09	7.98	29.24	28.14	3.84	3	112	0.291	NW
S3	20191107	Sunny	Moderate	Mid-Flood	Bottom	9.4	16:08	6.84	8.08	29.26	27.94	4.03	2	113	0.255	W
S3	20191107	Sunny	Moderate	Mid-Flood	Middle	5.2	16:09	7.18	8.18	29.53	28.2	3.47	3	113	0.184	NW
S3	20191107	Sunny	Moderate	Mid-Flood	Middle	5.2	16:09	7.02	8.12	29.69	28.05	3.21	3	112	0.246	NW
S3	20191107	Sunny	Moderate	Mid-Flood	Surface	1.0	16:10	6.96	8.14	29.86	28.14	3.19	<2	114	0.241	NW
S3	20191107	Sunny	Moderate	Mid-Flood	Surface	1.0	16:10	6.84	8.04	29.67	28.35	3.49	<2	113	0.151	W
B1	20191109	Sunny	Moderate	Mid-Ebb	Bottom	3.7	09:36	7.14	7.81	31.58	26.63	3.27	3	114	0.198	SE
B1	20191109	Sunny	Moderate	Mid-Ebb	Bottom	3.7	09:36	6.83	7.79	31.24	26.34	2.92	5	114	0.158	E
B1	20191109	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:37	7.38	7.82	31.7	26.45	2.62	5	114	0.231	E
B1	20191109	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:37	7.01	7.77	31.21	26.41	2.67	5	114	0.253	SE
B2	20191109	Sunny	Moderate	Mid-Ebb	Bottom	4.5	09:57	6.96	8.03	31.39	26.37	3.31	4	114	0.208	SE
B2	20191109	Sunny	Moderate	Mid-Ebb	Bottom	4.5	09:57	6.86	8.02	31.14	26.65	2.93	4	113	0.166	SE
B2	20191109	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:58	6.87	7.98	31.27	26.48	2.82	3	114	0.166	SE
B2	20191109	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:58	7.19	7.76	31.35	26.6	2.63	5	114	0.12	SE
B3	20191109	Sunny	Moderate	Mid-Ebb	Bottom	3.4	10:24	7.06	8.03	31.14	26.44	3.08	4	113	0.28	E
B3	20191109	Sunny	Moderate	Mid-Ebb	Bottom	3.4	10:24	6.96	7.97	31.12	26.21	3.41	3	114	0.229	E
B3	20191109	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:25	7.11	7.9	31.68	26.22	2.83	3	114	0.256	SE
B3	20191109	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:25	7.03	8.01	31.51	26.49	2.66	3	114	0.198	SE
B4	20191109	Sunny	Moderate	Mid-Ebb	Bottom	3.1	10:37	7.04	7.97	31.33	26.42	3.54	4	114	0.249	SE
B4	20191109	Sunny	Moderate	Mid-Ebb	Bottom	3.1	10:37	6.97	7.99	31.35	26.55	3.09	3	114	0.242	SE
B4	20191109	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:38	7.29	7.94	31.39	26.36	2.44	5	114	0.184	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	20191109	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:38	7.27	7.95	31.7	26.57	2.4	3	114	0.204	SE
C1A	20191109	Sunny	Moderate	Mid-Ebb	Bottom	8.8	09:07	7.15	7.83	31.62	26.41	3.13	3	114	0.172	E
C1A	20191109	Sunny	Moderate	Mid-Ebb	Bottom	8.8	09:07	6.83	7.91	31.28	26.49	3.25	3	114	0.173	SE
C1A	20191109	Sunny	Moderate	Mid-Ebb	Middle	4.9	09:08	6.87	7.79	31.39	26.42	2.58	2	114	0.195	E
C1A	20191109	Sunny	Moderate	Mid-Ebb	Middle	4.9	09:08	7.34	7.99	31.2	26.62	2.74	3	115	0.204	SE
C1A	20191109	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:09	7.24	7.79	31.35	26.36	2.35	2	114	0.2	E
C1A	20191109	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:09	6.89	7.88	31.69	26.31	2.87	2	114	0.154	SE
C2A	20191109	Sunny	Moderate	Mid-Ebb	Bottom	10.4	09:30	6.89	7.85	31.67	26.45	3.2	3	114	0.152	E
C2A	20191109	Sunny	Moderate	Mid-Ebb	Bottom	10.4	09:30	7.15	7.9	31.27	26.32	3.32	4	114	0.187	SE
C2A	20191109	Sunny	Moderate	Mid-Ebb	Middle	5.7	09:31	7.02	7.9	31.35	26.57	2.45	3	114	0.2	E
C2A	20191109	Sunny	Moderate	Mid-Ebb	Middle	5.7	09:31	7.18	7.93	31.54	26.42	2.5	3	114	0.146	SE
C2A	20191109	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:32	7.39	7.77	31.45	26.69	2.77	3	114	0.258	E
C2A	20191109	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:32	7.21	7.96	31.41	26.33	2.44	2	113	0.17	SE
CR1	20191109	Sunny	Moderate	Mid-Ebb	Bottom	12.1	11:22	7.38	7.95	31.3	26.31	3.38	4	114	0.158	SE
CR1	20191109	Sunny	Moderate	Mid-Ebb	Bottom	12.1	11:22	7.15	7.92	31.12	26.34	3.37	3	114	0.132	E
CR1	20191109	Sunny	Moderate	Mid-Ebb	Middle	6.6	11:23	7.02	7.97	31.29	26.35	2.39	3	113	0.213	E
CR1	20191109	Sunny	Moderate	Mid-Ebb	Middle	6.6	11:23	7.34	8	31.14	26.42	2.92	4	114	0.18	E
CR1	20191109	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:24	6.88	7.9	31.53	26.46	2.51	5	114	0.252	SE
CR1	20191109	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:24	6.87	7.91	31.1	26.23	2.81	6	114	0.177	SE
CR2	20191109	Sunny	Moderate	Mid-Ebb	Bottom	11.3	10:46	6.98	7.99	31.5	26.59	3.29	3	113	0.246	SE
CR2	20191109	Sunny	Moderate	Mid-Ebb	Bottom	11.3	10:46	6.96	7.76	31.47	26.34	3.01	2	115	0.147	SE
CR2	20191109	Sunny	Moderate	Mid-Ebb	Middle	6.2	10:47	7.33	7.79	31.57	26.58	2.93	<2	114	0.26	SE
CR2	20191109	Sunny	Moderate	Mid-Ebb	Middle	6.2	10:47	7.03	8	31.18	26.47	2.76	3	114	0.263	SE
CR2	20191109	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:48	7.14	8.04	31.21	26.55	2.77	2	113	0.282	SE
CR2	20191109	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:48	7.18	7.94	31.48	26.3	2.68	3	114	0.277	SE
F1A	20191109	Sunny	Moderate	Mid-Ebb	Bottom	7.4	11:12	7.23	7.88	31.22	26.41	2.96	4	114	0.147	E
F1A	20191109	Sunny	Moderate	Mid-Ebb	Bottom	7.4	11:12	7.17	7.84	31.72	26.26	3.04	4	114	0.263	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	20191109	Sunny	Moderate	Mid-Ebb	Middle	4.2	11:13	7.16	8.04	31.22	26.42	2.66	5	115	0.238	SE
F1A	20191109	Sunny	Moderate	Mid-Ebb	Middle	4.2	11:13	7.23	8.01	31.69	26.24	2.65	4	114	0.266	E
F1A	20191109	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:14	6.83	8.01	31.57	26.24	2.68	3	113	0.128	SE
F1A	20191109	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:14	7.3	7.82	31.22	26.26	2.5	2	114	0.135	SE
H1	20191109	Sunny	Moderate	Mid-Ebb	Bottom	7.2	10:03	7.05	8.04	31.63	26.65	2.87	3	113	0.13	SE
H1	20191109	Sunny	Moderate	Mid-Ebb	Bottom	7.2	10:03	7.05	7.96	31.4	26.57	3.23	3	114	0.256	E
H1	20191109	Sunny	Moderate	Mid-Ebb	Middle	4.1	10:04	7.38	7.76	31.6	26.34	2.84	3	114	0.267	E
H1	20191109	Sunny	Moderate	Mid-Ebb	Middle	4.1	10:04	7.34	7.96	31.17	26.48	2.88	3	114	0.169	SE
H1	20191109	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:05	7.18	7.86	31.21	26.59	2.41	5	114	0.254	E
H1	20191109	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:05	7.37	8.01	31.42	26.57	2.78	3	114	0.279	SE
M1	20191109	Sunny	Moderate	Mid-Ebb	Bottom	8.9	11:49	7.28	8.04	31.54	26.6	3.17	2	114	0.243	SE
M1	20191109	Sunny	Moderate	Mid-Ebb	Bottom	8.9	11:49	7.27	7.8	31.31	26.33	2.95	3	114	0.161	E
M1	20191109	Sunny	Moderate	Mid-Ebb	Middle	5.0	11:50	7.2	7.99	31.68	26.46	2.75	3	113	0.233	E
M1	20191109	Sunny	Moderate	Mid-Ebb	Middle	5.0	11:50	6.97	7.93	31.24	26.48	2.9	2	113	0.133	SE
M1	20191109	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:51	7.19	7.84	31.63	26.32	2.88	3	113	0.273	SE
M1	20191109	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:51	6.88	8.01	31.38	26.3	2.63	3	114	0.281	SE
S1	20191109	Sunny	Moderate	Mid-Ebb	Bottom	4.0	09:46	6.82	7.84	31.42	26.4	3.06	3	113	0.128	E
S1	20191109	Sunny	Moderate	Mid-Ebb	Bottom	4.0	09:46	7.16	7.87	31.3	26.68	3.24	4	114	0.191	SE
S1	20191109	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:47	6.93	7.96	31.59	26.63	2.83	6	114	0.149	SE
S1	20191109	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:47	7.34	7.79	31.57	26.4	2.45	4	114	0.208	SE
S2A	20191109	Sunny	Moderate	Mid-Ebb	Bottom	7.7	10:21	6.92	7.76	31.17	26.65	2.86	3	113	0.147	E
S2A	20191109	Sunny	Moderate	Mid-Ebb	Bottom	7.7	10:21	6.83	7.77	31.2	26.35	3.39	2	114	0.153	E
S2A	20191109	Sunny	Moderate	Mid-Ebb	Middle	4.4	10:22	7.14	7.98	31.12	26.5	2.53	3	115	0.242	SE
S2A	20191109	Sunny	Moderate	Mid-Ebb	Middle	4.4	10:22	7.29	7.79	31.6	26.42	2.53	3	113	0.219	SE
S2A	20191109	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:23	7.23	8.02	31.47	26.62	2.83	2	114	0.145	E
S2A	20191109	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:23	7.09	7.86	31.34	26.38	2.82	3	114	0.207	SE
S3	20191109	Sunny	Moderate	Mid-Ebb	Bottom	10.0	10:56	7.23	8	31.42	26.51	2.94	6	114	0.251	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	20191109	Sunny	Moderate	Mid-Ebb	Bottom	10.0	10:56	7.14	7.84	31.69	26.36	3.5	4	114	0.16	E
S3	20191109	Sunny	Moderate	Mid-Ebb	Middle	5.5	10:57	6.83	7.82	31.61	26.34	2.61	4	114	0.222	SE
S3	20191109	Sunny	Moderate	Mid-Ebb	Middle	5.5	10:57	7.37	7.87	31.19	26.58	2.57	3	113	0.25	SE
S3	20191109	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:58	7.16	7.99	31.12	26.51	2.81	2	113	0.136	SE
S3	20191109	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:58	7.11	7.79	31.47	26.52	2.84	2	113	0.132	SE
B1	20191109	Sunny	Moderate	Mid-Flood	Bottom	4.5	15:37	7.26	7.78	31.37	26.18	3.23	5	115	0.322	W
B1	20191109	Sunny	Moderate	Mid-Flood	Bottom	4.5	15:37	7.28	7.77	31.34	26.3	2.92	3	114	0.208	W
B1	20191109	Sunny	Moderate	Mid-Flood	Surface	1.0	15:38	6.95	7.83	31.51	26.08	2.66	3	116	0.251	W
B1	20191109	Sunny	Moderate	Mid-Flood	Surface	1.0	15:38	7.1	7.74	31.2	26.27	2.38	4	116	0.161	W
B2	20191109	Sunny	Moderate	Mid-Flood	Bottom	3.4	15:58	7.3	7.71	31.48	26.1	3.31	5	115	0.156	W
B2	20191109	Sunny	Moderate	Mid-Flood	Bottom	3.4	15:58	7.05	7.71	31.27	26.31	3.16	4	115	0.168	W
B2	20191109	Sunny	Moderate	Mid-Flood	Surface	1.0	15:59	6.99	7.76	31.22	26.12	2.71	5	114	0.291	W
B2	20191109	Sunny	Moderate	Mid-Flood	Surface	1.0	15:59	7.07	7.72	31.6	26.2	2.79	3	114	0.317	W
B3	20191109	Sunny	Moderate	Mid-Flood	Bottom	4.3	16:04	7.2	7.81	31.4	26.4	3.27	5	114	0.222	W
B3	20191109	Sunny	Moderate	Mid-Flood	Bottom	4.3	16:04	7.16	7.82	31.23	26.41	3.24	5	114	0.15	W
B3	20191109	Sunny	Moderate	Mid-Flood	Surface	1.0	16:05	7.22	7.74	31.29	26.27	2.74	3	114	0.291	W
B3	20191109	Sunny	Moderate	Mid-Flood	Surface	1.0	16:05	7.22	7.73	31.65	26.24	2.65	3	115	0.279	NW
B4	20191109	Sunny	Moderate	Mid-Flood	Bottom	3.5	16:17	7.08	7.89	31.51	26.26	3.1	3	117	0.303	W
B4	20191109	Sunny	Moderate	Mid-Flood	Bottom	3.5	16:17	7.06	7.81	31.38	26.13	3.47	3	116	0.155	NW
B4	20191109	Sunny	Moderate	Mid-Flood	Surface	1.0	16:18	7.26	7.76	31.47	26.34	2.54	3	115	0.166	NW
B4	20191109	Sunny	Moderate	Mid-Flood	Surface	1.0	16:18	7.12	7.83	31.63	26.29	2.51	4	114	0.203	W
C1A	20191109	Sunny	Moderate	Mid-Flood	Bottom	10.0	15:10	7.24	7.75	31.61	26.04	3.12	4	115	0.26	NW
C1A	20191109	Sunny	Moderate	Mid-Flood	Bottom	10.0	15:10	7.3	7.86	31.34	26.06	3.39	5	115	0.234	NW
C1A	20191109	Sunny	Moderate	Mid-Flood	Middle	5.5	15:11	7.15	7.75	31.22	26.31	2.89	4	114	0.224	W
C1A	20191109	Sunny	Moderate	Mid-Flood	Middle	5.5	15:11	7.34	7.8	31.47	26.15	2.76	3	114	0.289	W
C1A	20191109	Sunny	Moderate	Mid-Flood	Surface	1.0	15:12	7.02	7.86	31.27	26.34	2.51	3	114	0.3	W
C1A	20191109	Sunny	Moderate	Mid-Flood	Surface	1.0	15:12	7.05	7.71	31.39	26.33	2.94	4	115	0.253	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	20191109	Sunny	Moderate	Mid-Flood	Bottom	11.0	15:10	6.95	7.77	31.58	26.1	3.2	7	114	0.26	NW
C2A	20191109	Sunny	Moderate	Mid-Flood	Bottom	11.0	15:10	7.26	7.83	31.28	26.04	3.07	9	114	0.302	NW
C2A	20191109	Sunny	Moderate	Mid-Flood	Middle	6.0	15:11	7.12	7.75	31.41	26.03	2.66	4	114	0.282	NW
C2A	20191109	Sunny	Moderate	Mid-Flood	Middle	6.0	15:11	7.26	7.8	31.61	26.09	2.61	6	115	0.273	NW
C2A	20191109	Sunny	Moderate	Mid-Flood	Surface	1.0	15:12	7.11	7.79	31.59	26.13	2.71	3	114	0.263	W
C2A	20191109	Sunny	Moderate	Mid-Flood	Surface	1.0	15:12	7.06	7.8	31.5	26.13	2.65	4	114	0.296	W
CR1	20191109	Sunny	Moderate	Mid-Flood	Bottom	11.3	17:23	7.03	7.75	31.57	26.33	2.94	4	114	0.272	W
CR1	20191109	Sunny	Moderate	Mid-Flood	Bottom	11.3	17:23	7.17	7.72	31.44	26.22	2.89	5	114	0.232	W
CR1	20191109	Sunny	Moderate	Mid-Flood	Middle	6.2	17:24	7.21	7.79	31.53	26.08	3.13	3	114	0.219	NW
CR1	20191109	Sunny	Moderate	Mid-Flood	Middle	6.2	17:24	7.32	7.77	31.32	26.22	2.94	5	114	0.184	W
CR1	20191109	Sunny	Moderate	Mid-Flood	Surface	1.0	17:25	7.03	7.86	31.29	26.25	2.88	3	114	0.223	NW
CR1	20191109	Sunny	Moderate	Mid-Flood	Surface	1.0	17:25	7.11	7.87	31.26	26.34	2.51	4	114	0.17	NW
CR2	20191109	Sunny	Moderate	Mid-Flood	Bottom	10.6	16:47	7.1	7.79	31.29	26.32	3.26	3	114	0.151	W
CR2	20191109	Sunny	Moderate	Mid-Flood	Bottom	10.6	16:47	7.07	7.81	31.36	26.24	3.25	3	113	0.268	W
CR2	20191109	Sunny	Moderate	Mid-Flood	Middle	5.8	16:48	7	7.84	31.43	26.34	2.76	4	114	0.321	W
CR2	20191109	Sunny	Moderate	Mid-Flood	Middle	5.8	16:48	7.13	7.86	31.59	26.23	2.82	3	115	0.161	NW
CR2	20191109	Sunny	Moderate	Mid-Flood	Surface	1.0	16:49	7.01	7.87	31.63	26.16	2.45	4	113	0.316	W
CR2	20191109	Sunny	Moderate	Mid-Flood	Surface	1.0	16:49	7.03	7.89	31.64	26.18	2.84	4	114	0.28	W
F1A	20191109	Sunny	Moderate	Mid-Flood	Bottom	7.4	16:50	7.01	7.89	31.37	26.18	3.15	4	114	0.188	W
F1A	20191109	Sunny	Moderate	Mid-Flood	Bottom	7.4	16:50	7.12	7.84	31.63	26.15	3.42	6	114	0.319	W
F1A	20191109	Sunny	Moderate	Mid-Flood	Middle	4.2	16:51	7.3	7.85	31.3	26.19	2.56	3	114	0.172	W
F1A	20191109	Sunny	Moderate	Mid-Flood	Middle	4.2	16:51	7.08	7.73	31.65	26.27	2.81	5	114	0.213	NW
F1A	20191109	Sunny	Moderate	Mid-Flood	Surface	1.0	16:52	7.31	7.81	31.6	26.13	2.37	3	113	0.288	W
F1A	20191109	Sunny	Moderate	Mid-Flood	Surface	1.0	16:52	6.98	7.8	31.2	26.05	2.77	4	115	0.277	NW
H1	20191109	Sunny	Moderate	Mid-Flood	Bottom	6.6	15:44	6.97	7.77	31.23	26.33	3.37	4	114	0.321	W
H1	20191109	Sunny	Moderate	Mid-Flood	Bottom	6.6	15:44	7.32	7.74	31.53	26.16	3.45	4	115	0.225	W
H1	20191109	Sunny	Moderate	Mid-Flood	Middle	3.8	15:45	7.27	7.75	31.36	26.22	2.56	5	114	0.196	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
H1	20191109	Sunny	Moderate	Mid-Flood	Middle	3.8	15:45	6.97	7.79	31.55	26.29	2.61	4	114	0.256	W
H1	20191109	Sunny	Moderate	Mid-Flood	Surface	1.0	15:46	7.17	7.72	31.62	26.21	2.47	3	115	0.24	NW
H1	20191109	Sunny	Moderate	Mid-Flood	Surface	1.0	15:46	7.33	7.78	31.56	26.15	2.36	3	114	0.171	NW
M1	20191109	Sunny	Moderate	Mid-Flood	Bottom	7.1	17:28	6.97	7.74	31.26	26.19	3.08	5	115	0.306	W
M1	20191109	Sunny	Moderate	Mid-Flood	Bottom	7.1	17:28	7.25	7.77	31.52	26.05	3.43	6	114	0.25	NW
M1	20191109	Sunny	Moderate	Mid-Flood	Middle	4.1	17:29	7.05	7.78	31.36	26.21	2.79	5	113	0.316	W
M1	20191109	Sunny	Moderate	Mid-Flood	Middle	4.1	17:29	7.25	7.85	31.28	26.29	2.86	3	113	0.27	NW
M1	20191109	Sunny	Moderate	Mid-Flood	Surface	1.0	17:30	7.22	7.81	31.56	26.22	2.73	4	114	0.221	W
M1	20191109	Sunny	Moderate	Mid-Flood	Surface	1.0	17:30	7.28	7.77	31.32	26.27	2.47	3	113	0.304	W
S1	20191109	Sunny	Moderate	Mid-Flood	Bottom	4.0	15:47	7.34	7.78	31.57	26.15	3.35	5	114	0.248	W
S1	20191109	Sunny	Moderate	Mid-Flood	Bottom	4.0	15:47	7.1	7.72	31.64	26.27	3.36	4	114	0.286	W
S1	20191109	Sunny	Moderate	Mid-Flood	Surface	1.0	15:48	7.32	7.84	31.42	26.31	2.55	5	114	0.249	W
S1	20191109	Sunny	Moderate	Mid-Flood	Surface	1.0	15:48	7.26	7.73	31.21	26.33	2.86	3	114	0.186	NW
S2A	20191109	Sunny	Moderate	Mid-Flood	Bottom	8.4	16:22	7.1	7.87	31.36	26.06	3.21	6	114	0.319	W
S2A	20191109	Sunny	Moderate	Mid-Flood	Bottom	8.4	16:22	6.99	7.73	31.39	26.26	2.96	4	114	0.19	W
S2A	20191109	Sunny	Moderate	Mid-Flood	Middle	4.7	16:23	6.95	7.76	31.21	26.26	2.81	5	114	0.297	W
S2A	20191109	Sunny	Moderate	Mid-Flood	Middle	4.7	16:23	6.99	7.88	31.54	26.11	2.59	4	114	0.178	W
S2A	20191109	Sunny	Moderate	Mid-Flood	Surface	1.0	16:24	7.17	7.81	31.37	26.34	2.39	5	114	0.225	W
S2A	20191109	Sunny	Moderate	Mid-Flood	Surface	1.0	16:24	6.99	7.89	31.36	26.03	2.39	4	114	0.295	NW
S3	20191109	Sunny	Moderate	Mid-Flood	Bottom	9.6	16:57	7.19	7.74	31.59	26.21	3.2	3	113	0.314	W
S3	20191109	Sunny	Moderate	Mid-Flood	Bottom	9.6	16:57	7.08	7.85	31.38	26.13	3.54	5	114	0.277	W
S3	20191109	Sunny	Moderate	Mid-Flood	Middle	5.3	16:58	7.2	7.78	31.47	26.3	2.57	5	113	0.231	NW
S3	20191109	Sunny	Moderate	Mid-Flood	Middle	5.3	16:58	7.13	7.76	31.27	26.26	2.77	5	114	0.176	W
S3	20191109	Sunny	Moderate	Mid-Flood	Surface	1.0	16:59	6.97	7.85	31.65	26.32	2.71	5	114	0.141	W
S3	20191109	Sunny	Moderate	Mid-Flood	Surface	1.0	16:59	7.27	7.81	31.35	26.32	2.93	6	114	0.235	W
B1	20191111	Sunny	Moderate	Mid-Ebb	Bottom	3.5	10:10	7.33	7.87	30.5	26.45	3.05	10	116	0.125	SE
B1	20191111	Sunny	Moderate	Mid-Ebb	Bottom	3.5	10:10	7.3	7.91	30.69	26.62	3.21	9	116	0.241	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	20191111	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:11	7.35	7.9	30.47	26.57	2.49	9	117	0.219	SE
B1	20191111	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:11	7.21	8.05	30.59	26.57	2.87	8	116	0.201	E
B2	20191111	Sunny	Moderate	Mid-Ebb	Bottom	4.4	10:30	7.22	7.92	30.57	26.57	3.42	8	117	0.136	SE
B2	20191111	Sunny	Moderate	Mid-Ebb	Bottom	4.4	10:30	7.13	8.08	30.77	26.61	3.34	8	116	0.226	E
B2	20191111	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:31	7.19	7.94	30.6	26.61	2.63	8	116	0.256	SE
B2	20191111	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:31	7.25	7.94	30.62	26.72	2.33	7	116	0.27	SE
B3	20191111	Sunny	Moderate	Mid-Ebb	Bottom	4.3	12:18	7.18	8.1	30.51	27.07	3.02	7	117	0.161	E
B3	20191111	Sunny	Moderate	Mid-Ebb	Bottom	4.3	12:18	7.25	8.13	30.79	26.98	3.47	7	116	0.183	SE
B3	20191111	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:19	7.25	7.96	30.5	27.01	2.51	9	117	0.137	SE
B3	20191111	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:19	7.3	7.92	30.59	26.98	2.76	8	116	0.243	E
B4	20191111	Sunny	Moderate	Mid-Ebb	Bottom	4.1	12:37	7.33	8.12	30.6	27.08	3.14	5	116	0.145	SE
B4	20191111	Sunny	Moderate	Mid-Ebb	Bottom	4.1	12:37	7.22	7.87	30.44	26.95	3.16	6	117	0.281	SE
B4	20191111	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:38	7.37	8.04	30.58	27.05	2.69	8	117	0.203	SE
B4	20191111	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:38	7.06	7.93	30.71	27.09	2.42	8	117	0.152	E
C1A	20191111	Sunny	Moderate	Mid-Ebb	Bottom	9.9	09:46	7.35	7.92	30.58	26.49	3.19	8	116	0.27	SE
C1A	20191111	Sunny	Moderate	Mid-Ebb	Bottom	9.9	09:46	7.1	7.87	30.67	26.51	2.89	7	116	0.232	SE
C1A	20191111	Sunny	Moderate	Mid-Ebb	Middle	5.5	09:47	7.13	8.14	30.52	26.43	2.35	6	116	0.2	E
C1A	20191111	Sunny	Moderate	Mid-Ebb	Middle	5.5	09:47	7.3	7.92	30.54	26.5	2.89	6	116	0.161	E
C1A	20191111	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:48	7.15	7.92	30.76	26.52	2.44	6	116	0.245	E
C1A	20191111	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:48	7.29	7.98	30.48	26.55	2.45	5	116	0.257	SE
C2A	20191111	Sunny	Moderate	Mid-Ebb	Bottom	11.1	11:36	7.02	8.02	30.71	27.08	3.32	6	117	0.185	E
C2A	20191111	Sunny	Moderate	Mid-Ebb	Bottom	11.1	11:36	7.29	8.12	30.62	27.11	3.18	6	116	0.143	E
C2A	20191111	Sunny	Moderate	Mid-Ebb	Middle	6.1	11:37	7.03	7.98	30.46	27.01	2.39	5	116	0.247	SE
C2A	20191111	Sunny	Moderate	Mid-Ebb	Middle	6.1	11:37	7.36	8.14	30.62	27.1	2.76	6	116	0.164	SE
C2A	20191111	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:38	7.33	7.9	30.77	26.98	2.88	6	117	0.254	E
C2A	20191111	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:38	7.07	8.03	30.46	27.07	2.45	6	116	0.157	E
CR1	20191111	Sunny	Moderate	Mid-Ebb	Bottom	11.4	11:42	7.11	7.87	30.64	27.07	3.42	8	116	0.178	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	20191111	Sunny	Moderate	Mid-Ebb	Bottom	11.4	11:42	7.37	8.06	30.78	27.05	3.29	9	116	0.221	E
CR1	20191111	Sunny	Moderate	Mid-Ebb	Middle	6.2	11:43	7.12	7.88	30.51	27.1	2.63	9	117	0.13	SE
CR1	20191111	Sunny	Moderate	Mid-Ebb	Middle	6.2	11:43	7.2	8.06	30.6	26.91	2.54	9	117	0.137	SE
CR1	20191111	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:44	7.21	8.01	30.8	27.04	2.7	7	117	0.14	E
CR1	20191111	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:44	7.37	8.07	30.67	26.92	2.64	7	117	0.166	SE
CR2	20191111	Sunny	Moderate	Mid-Ebb	Bottom	10.7	11:14	7.09	8.01	30.63	26.87	3.4	9	116	0.251	E
CR2	20191111	Sunny	Moderate	Mid-Ebb	Bottom	10.7	11:14	7.22	8.14	30.76	26.99	3.03	9	116	0.2	E
CR2	20191111	Sunny	Moderate	Mid-Ebb	Middle	5.9	11:15	7.03	8.14	30.63	27.04	2.59	7	116	0.165	SE
CR2	20191111	Sunny	Moderate	Mid-Ebb	Middle	5.9	11:15	7.09	8.09	30.8	26.99	2.45	6	116	0.146	SE
CR2	20191111	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:16	7.06	7.88	30.76	26.99	2.81	6	117	0.159	SE
CR2	20191111	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:16	7.11	8.03	30.58	26.9	2.72	5	117	0.272	E
F1A	20191111	Sunny	Moderate	Mid-Ebb	Bottom	7.4	13:00	7.37	8	30.63	27.12	3.25	9	116	0.136	SE
F1A	20191111	Sunny	Moderate	Mid-Ebb	Bottom	7.4	13:00	7.21	7.89	30.46	26.98	3.08	8	117	0.279	SE
F1A	20191111	Sunny	Moderate	Mid-Ebb	Middle	4.2	13:01	7.15	8.03	30.67	27.13	2.72	7	117	0.168	SE
F1A	20191111	Sunny	Moderate	Mid-Ebb	Middle	4.2	13:01	7.04	7.96	30.69	27.08	2.6	8	116	0.153	SE
F1A	20191111	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:02	7.17	8.1	30.57	27.15	2.9	6	116	0.169	SE
F1A	20191111	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:02	7.06	7.93	30.55	27.05	2.61	7	117	0.135	SE
H1	20191111	Sunny	Moderate	Mid-Ebb	Bottom	7.6	12:03	7.04	8.04	30.5	27.04	3.43	9	116	0.156	SE
H1	20191111	Sunny	Moderate	Mid-Ebb	Bottom	7.6	12:03	7.36	8.06	30.54	27.05	3.09	10	116	0.127	SE
H1	20191111	Sunny	Moderate	Mid-Ebb	Middle	4.3	12:04	7.06	8.09	30.62	27.02	2.79	8	116	0.174	E
H1	20191111	Sunny	Moderate	Mid-Ebb	Middle	4.3	12:04	7.21	7.92	30.71	27.04	2.73	7	116	0.226	SE
H1	20191111	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:05	7.08	8.07	30.8	27.04	2.69	8	116	0.168	E
H1	20191111	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:05	7.33	7.89	30.64	26.93	2.34	8	116	0.135	SE
M1	20191111	Sunny	Moderate	Mid-Ebb	Bottom	8.0	13:16	7.22	8.11	30.79	27.01	3.25	6	116	0.278	E
M1	20191111	Sunny	Moderate	Mid-Ebb	Bottom	8.0	13:16	7.3	7.88	30.69	27.01	3.36	7	116	0.246	SE
M1	20191111	Sunny	Moderate	Mid-Ebb	Middle	4.5	13:17	7.2	7.97	30.67	27.01	2.44	6	116	0.187	SE
M1	20191111	Sunny	Moderate	Mid-Ebb	Middle	4.5	13:17	7.22	8.12	30.66	26.99	2.81	7	117	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
M1	20191111	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:18	7.02	8.12	30.75	27.11	2.5	5	117	0.128	SE
M1	20191111	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:18	7.14	8.11	30.45	26.98	2.38	6	117	0.204	SE
S1	20191111	Sunny	Moderate	Mid-Ebb	Bottom	3.8	10:20	7.36	7.91	30.68	26.68	3.13	8	116	0.219	SE
S1	20191111	Sunny	Moderate	Mid-Ebb	Bottom	3.8	10:20	7.21	8.14	30.63	26.62	3.39	6	116	0.273	SE
S1	20191111	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:21	7.23	8.09	30.45	26.57	2.34	7	116	0.132	SE
S1	20191111	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:21	7.22	7.86	30.74	26.61	2.36	6	116	0.125	SE
S2A	20191111	Sunny	Moderate	Mid-Ebb	Bottom	8.3	10:52	7.13	8.05	30.46	26.87	2.94	8	118	0.126	SE
S2A	20191111	Sunny	Moderate	Mid-Ebb	Bottom	8.3	10:52	7.1	7.88	30.72	26.9	3.01	8	116	0.273	SE
S2A	20191111	Sunny	Moderate	Mid-Ebb	Middle	4.7	10:53	7.12	8.01	30.61	26.98	2.92	8	116	0.125	E
S2A	20191111	Sunny	Moderate	Mid-Ebb	Middle	4.7	10:53	7.21	7.87	30.51	26.82	2.43	6	116	0.255	SE
S2A	20191111	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:54	7.12	7.88	30.75	26.91	2.52	8	116	0.204	SE
S2A	20191111	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:54	7.12	7.98	30.58	26.95	2.54	6	116	0.171	SE
S3	20191111	Sunny	Moderate	Mid-Ebb	Bottom	9.5	11:24	7.35	8	30.72	27.01	3.5	8	117	0.136	SE
S3	20191111	Sunny	Moderate	Mid-Ebb	Bottom	9.5	11:24	7.28	8.09	30.53	26.93	3.52	7	117	0.214	SE
S3	20191111	Sunny	Moderate	Mid-Ebb	Middle	5.3	11:25	7.1	7.89	30.67	26.94	2.73	8	116	0.246	SE
S3	20191111	Sunny	Moderate	Mid-Ebb	Middle	5.3	11:25	7.17	8.11	30.76	26.93	2.39	8	117	0.244	SE
S3	20191111	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:26	7.23	8.06	30.49	26.88	2.41	8	117	0.146	E
S3	20191111	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:26	7.17	8.11	30.63	26.86	2.58	8	117	0.243	E
B1	20191111	Sunny	Moderate	Mid-Flood	Bottom	4.1	15:09	7.09	7.99	30.28	27.42	2.92	7	116	0.317	NW
B1	20191111	Sunny	Moderate	Mid-Flood	Bottom	4.1	15:09	7.32	7.95	30.11	27.14	3.26	7	116	0.193	W
B1	20191111	Sunny	Moderate	Mid-Flood	Surface	1.0	15:10	7.4	7.86	30.12	27.44	2.94	9	116	0.178	W
B1	20191111	Sunny	Moderate	Mid-Flood	Surface	1.0	15:10	6.96	8.11	30.45	27.3	2.66	8	116	0.18	W
B2	20191111	Sunny	Moderate	Mid-Flood	Bottom	3.9	15:29	7.14	7.98	30.1	27.34	3.05	8	117	0.151	W
B2	20191111	Sunny	Moderate	Mid-Flood	Bottom	3.9	15:29	7.31	8	30.2	27.45	2.99	8	116	0.27	W
B2	20191111	Sunny	Moderate	Mid-Flood	Surface	1.0	15:30	7.26	8.1	30.38	27.49	2.43	10	116	0.216	W
B2	20191111	Sunny	Moderate	Mid-Flood	Surface	1.0	15:30	7.21	8	30.2	27.46	2.49	9	116	0.279	W
B3	20191111	Sunny	Moderate	Mid-Flood	Bottom	4.3	15:15	7.26	8.11	30.22	27.46	3.5	8	116	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
B3	20191111	Sunny	Moderate	Mid-Flood	Bottom	4.3	15:15	7.41	7.92	30.32	27.21	3.1	8	116	0.289	W
B3	20191111	Sunny	Moderate	Mid-Flood	Surface	1.0	15:16	7.15	7.97	30.44	27.25	2.96	8	116	0.286	W
B3	20191111	Sunny	Moderate	Mid-Flood	Surface	1.0	15:16	7.34	8.06	30.18	27.44	2.62	9	116	0.233	W
B4	20191111	Sunny	Moderate	Mid-Flood	Bottom	4.1	15:31	7.36	8.04	30.31	27.45	3.08	10	117	0.299	W
B4	20191111	Sunny	Moderate	Mid-Flood	Bottom	4.1	15:31	7.37	8.11	30.18	27.34	3.16	9	116	0.168	NW
B4	20191111	Sunny	Moderate	Mid-Flood	Surface	1.0	15:32	7.17	7.86	30.23	27.32	2.59	8	116	0.243	W
B4	20191111	Sunny	Moderate	Mid-Flood	Surface	1.0	15:32	7.4	7.91	30.2	27.41	2.98	8	116	0.321	NW
C1A	20191111	Sunny	Moderate	Mid-Flood	Bottom	10.9	14:42	7.39	7.97	30.18	27.11	3.08	7	116	0.142	W
C1A	20191111	Sunny	Moderate	Mid-Flood	Bottom	10.9	14:42	7.22	8.02	30.12	27.14	2.96	7	116	0.174	W
C1A	20191111	Sunny	Moderate	Mid-Flood	Middle	6.0	14:43	7.35	8.06	30.21	27.22	2.84	8	116	0.296	NW
C1A	20191111	Sunny	Moderate	Mid-Flood	Middle	6.0	14:43	7.02	8.07	30.31	27.18	2.66	8	116	0.229	W
C1A	20191111	Sunny	Moderate	Mid-Flood	Surface	1.0	14:44	7.09	8.09	30.22	27.13	2.66	10	117	0.156	NW
C1A	20191111	Sunny	Moderate	Mid-Flood	Surface	1.0	14:44	7.38	8.02	30.17	27.34	2.94	9	116	0.164	W
C2A	20191111	Sunny	Moderate	Mid-Flood	Bottom	10.7	14:36	7.13	8.07	30.22	27.32	3.02	8	116	0.237	W
C2A	20191111	Sunny	Moderate	Mid-Flood	Bottom	10.7	14:36	7.4	8.03	30.35	27.15	3.15	7	116	0.213	W
C2A	20191111	Sunny	Moderate	Mid-Flood	Middle	5.9	14:37	7.07	8.09	30.16	27.12	2.99	6	115	0.196	W
C2A	20191111	Sunny	Moderate	Mid-Flood	Middle	5.9	14:37	7	7.93	30.43	27.38	2.64	6	116	0.239	NW
C2A	20191111	Sunny	Moderate	Mid-Flood	Surface	1.0	14:38	6.97	7.91	30.2	27.17	2.73	7	116	0.245	W
C2A	20191111	Sunny	Moderate	Mid-Flood	Surface	1.0	14:38	7.25	7.85	30.17	27.37	2.91	6	116	0.236	NW
CR1	20191111	Sunny	Moderate	Mid-Flood	Bottom	11.3	16:41	7.35	8	30.21	27.17	3.2	8	117	0.138	W
CR1	20191111	Sunny	Moderate	Mid-Flood	Bottom	11.3	16:41	7.3	7.89	30.18	27.35	3.07	8	116	0.301	W
CR1	20191111	Sunny	Moderate	Mid-Flood	Middle	6.2	16:42	7.37	7.87	30.42	27.11	2.89	8	116	0.261	NW
CR1	20191111	Sunny	Moderate	Mid-Flood	Middle	6.2	16:42	7.3	7.95	30.3	27.36	2.55	7	116	0.289	NW
CR1	20191111	Sunny	Moderate	Mid-Flood	Surface	1.0	16:43	7.29	8.09	30.35	27.32	2.35	6	117	0.173	W
CR1	20191111	Sunny	Moderate	Mid-Flood	Surface	1.0	16:43	7.1	7.91	30.32	27.18	2.36	7	116	0.264	NW
CR2	20191111	Sunny	Moderate	Mid-Flood	Bottom	10.6	16:13	7.05	7.97	30.44	27.4	3.03	9	116	0.294	W
CR2	20191111	Sunny	Moderate	Mid-Flood	Bottom	10.6	16:13	7.01	7.85	30.25	27.24	3.09	8	116	0.239	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	20191111	Sunny	Moderate	Mid-Flood	Middle	5.8	16:14	7.14	8.1	30.3	27.42	2.96	7	116	0.318	W
CR2	20191111	Sunny	Moderate	Mid-Flood	Middle	5.8	16:14	7.26	7.92	30.42	27.31	3.07	8	116	0.307	W
CR2	20191111	Sunny	Moderate	Mid-Flood	Surface	1.0	16:15	7.16	8.03	30.3	27.22	2.8	8	116	0.251	NW
CR2	20191111	Sunny	Moderate	Mid-Flood	Surface	1.0	16:15	7.06	8.01	30.24	27.38	2.51	7	117	0.159	NW
F1A	20191111	Sunny	Moderate	Mid-Flood	Bottom	7.1	16:01	7.32	7.91	30.45	27.39	3.31	7	117	0.273	W
F1A	20191111	Sunny	Moderate	Mid-Flood	Bottom	7.1	16:01	7.33	8.1	30.23	27.21	3.2	6	116	0.206	W
F1A	20191111	Sunny	Moderate	Mid-Flood	Middle	4.1	16:02	7	7.89	30.17	27.35	2.92	9	117	0.184	W
F1A	20191111	Sunny	Moderate	Mid-Flood	Middle	4.1	16:02	7.32	8.13	30.35	27.45	3.02	9	116	0.25	W
F1A	20191111	Sunny	Moderate	Mid-Flood	Surface	1.0	16:03	7.14	7.87	30.19	27.13	2.5	10	116	0.261	W
F1A	20191111	Sunny	Moderate	Mid-Flood	Surface	1.0	16:03	7.33	8.13	30.19	27.23	2.36	11	117	0.311	NW
H1	20191111	Sunny	Moderate	Mid-Flood	Bottom	6.9	14:57	7.04	8.03	30.21	27.29	3.09	9	116	0.28	W
H1	20191111	Sunny	Moderate	Mid-Flood	Bottom	6.9	14:57	7.4	7.87	30.27	27.11	3.03	8	116	0.221	W
H1	20191111	Sunny	Moderate	Mid-Flood	Middle	4.0	14:58	7	7.93	30.35	27.4	2.81	8	116	0.237	NW
H1	20191111	Sunny	Moderate	Mid-Flood	Middle	4.0	14:58	7.06	8.02	30.13	27.14	2.57	8	116	0.3	W
H1	20191111	Sunny	Moderate	Mid-Flood	Surface	1.0	14:59	7.13	8.02	30.28	27.21	2.72	7	116	0.239	W
H1	20191111	Sunny	Moderate	Mid-Flood	Surface	1.0	14:59	6.96	7.96	30.34	27.38	2.47	7	116	0.231	W
M1	20191111	Sunny	Moderate	Mid-Flood	Bottom	7.5	16:32	7.34	7.93	30.35	27.3	3.38	10	116	0.223	W
M1	20191111	Sunny	Moderate	Mid-Flood	Bottom	7.5	16:32	7.4	7.91	30.29	27.28	3.39	9	116	0.198	W
M1	20191111	Sunny	Moderate	Mid-Flood	Middle	4.3	16:33	7.32	8.06	30.12	27.32	2.62	9	116	0.182	NW
M1	20191111	Sunny	Moderate	Mid-Flood	Middle	4.3	16:33	7.02	8.12	30.26	27.59	2.56	10	117	0.247	W
M1	20191111	Sunny	Moderate	Mid-Flood	Surface	1.0	16:34	6.98	7.85	30.39	27.61	2.73	7	116	0.231	W
M1	20191111	Sunny	Moderate	Mid-Flood	Surface	1.0	16:34	7.05	8.13	30.4	27.26	2.68	8	116	0.307	W
S1	20191111	Sunny	Moderate	Mid-Flood	Bottom	4.1	15:19	7.14	8.09	30.27	27.36	2.91	7	116	0.219	W
S1	20191111	Sunny	Moderate	Mid-Flood	Bottom	4.1	15:19	7.11	8.07	30.29	27.39	2.93	9	116	0.153	NW
S1	20191111	Sunny	Moderate	Mid-Flood	Surface	1.0	15:20	7.27	7.91	30.23	27.4	2.37	5	116	0.249	W
S1	20191111	Sunny	Moderate	Mid-Flood	Surface	1.0	15:20	7.1	8.02	30.41	27.28	2.54	5	117	0.3	W
S2A	20191111	Sunny	Moderate	Mid-Flood	Bottom	8.9	15:51	7.24	8.04	30.33	27.29	3.17	7	117	0.275	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	20191111	Sunny	Moderate	Mid-Flood	Bottom	8.9	15:51	7.06	8.12	30.14	27.39	2.98	7	116	0.276	W
S2A	20191111	Sunny	Moderate	Mid-Flood	Middle	5.0	15:52	7.02	8.12	30.12	27.34	2.93	9	117	0.31	W
S2A	20191111	Sunny	Moderate	Mid-Flood	Middle	5.0	15:52	7.09	8.01	30.35	27.36	2.59	8	116	0.178	W
S2A	20191111	Sunny	Moderate	Mid-Flood	Surface	1.0	15:53	7.07	8.02	30.45	27.14	2.5	10	116	0.231	W
S2A	20191111	Sunny	Moderate	Mid-Flood	Surface	1.0	15:53	7.37	7.95	30.2	27.23	2.45	11	117	0.209	NW
S3	20191111	Sunny	Moderate	Mid-Flood	Bottom	9.3	16:24	7.23	7.86	30.29	27.18	3.34	8	116	0.145	W
S3	20191111	Sunny	Moderate	Mid-Flood	Bottom	9.3	16:24	7.13	7.98	30.43	27.25	3.41	6	116	0.193	W
S3	20191111	Sunny	Moderate	Mid-Flood	Middle	5.2	16:25	7.01	7.86	30.2	27.39	2.66	6	116	0.256	NW
S3	20191111	Sunny	Moderate	Mid-Flood	Middle	5.2	16:25	7.13	7.87	30.11	27.4	3.13	7	117	0.291	W
S3	20191111	Sunny	Moderate	Mid-Flood	Surface	1.0	16:26	7.15	8.12	30.27	27.28	2.96	7	116	0.277	W
S3	20191111	Sunny	Moderate	Mid-Flood	Surface	1.0	16:26	7.3	8.09	30.24	27.26	2.72	7	116	0.208	NW
B1	20191113	Sunny	Moderate	Mid-Flood	Bottom	4.6	08:33	7.55	8.17	31.88	25.3	2.98	9	114	0.23	W
B1	20191113	Sunny	Moderate	Mid-Flood	Bottom	4.6	08:33	7.81	8.14	31.84	25.16	3.27	9	114	0.171	W
B1	20191113	Sunny	Moderate	Mid-Flood	Surface	1.0	08:34	7.56	8.05	31.76	25.37	2.63	8	115	0.166	W
B1	20191113	Sunny	Moderate	Mid-Flood	Surface	1.0	08:34	7.57	8.11	31.77	25.15	2.75	9	114	0.186	NW
B2	20191113	Sunny	Moderate	Mid-Flood	Bottom	3.8	08:49	7.74	8	31.84	25.1	3.43	10	114	0.215	W
B2	20191113	Sunny	Moderate	Mid-Flood	Bottom	3.8	08:49	7.86	8.04	31.6	25.14	3.13	10	114	0.29	NW
B2	20191113	Sunny	Moderate	Mid-Flood	Surface	1.0	08:50	7.85	8.19	31.71	25.22	2.84	9	114	0.15	W
B2	20191113	Sunny	Moderate	Mid-Flood	Surface	1.0	08:50	7.7	7.96	31.64	25.31	2.48	9	114	0.18	W
B3	20191113	Sunny	Moderate	Mid-Flood	Bottom	3.5	08:40	7.62	8.05	31.6	25.33	3.63	8	114	0.2	W
B3	20191113	Sunny	Moderate	Mid-Flood	Bottom	3.5	08:40	7.91	8.12	31.74	25.1	3.31	9	114	0.234	W
B3	20191113	Sunny	Moderate	Mid-Flood	Surface	1.0	08:41	7.78	8.05	31.81	25.12	2.69	7	114	0.14	W
B3	20191113	Sunny	Moderate	Mid-Flood	Surface	1.0	08:41	7.81	8.21	31.94	25.32	2.7	9	115	0.18	W
B4	20191113	Sunny	Moderate	Mid-Flood	Bottom	4.1	08:58	7.56	8.09	31.89	25.46	3.41	6	113	0.157	W
B4	20191113	Sunny	Moderate	Mid-Flood	Bottom	4.1	08:58	7.81	8.09	31.7	25.18	3.41	6	113	0.266	W
B4	20191113	Sunny	Moderate	Mid-Flood	Surface	1.0	08:59	7.67	8.06	31.78	25.25	2.92	6	114	0.194	W
B4	20191113	Sunny	Moderate	Mid-Flood	Surface	1.0	08:59	7.88	8.03	31.87	25.4	2.78	6	115	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
C1A	20191113	Sunny	Moderate	Mid-Flood	Bottom	10.5	08:10	7.73	8.03	31.99	25.08	2.9	5	115	0.252	NW
C1A	20191113	Sunny	Moderate	Mid-Flood	Bottom	10.5	08:10	7.86	8.19	31.88	25.07	2.99	5	114	0.19	W
C1A	20191113	Sunny	Moderate	Mid-Flood	Middle	5.8	08:11	7.58	8.04	31.64	25.09	2.94	5	114	0.304	W
C1A	20191113	Sunny	Moderate	Mid-Flood	Middle	5.8	08:11	7.89	8.06	31.8	25.08	2.82	5	114	0.138	W
C1A	20191113	Sunny	Moderate	Mid-Flood	Surface	1.0	08:12	7.67	8.15	32.04	25.17	2.68	5	115	0.238	W
C1A	20191113	Sunny	Moderate	Mid-Flood	Surface	1.0	08:12	7.73	7.95	31.84	25.21	2.37	5	115	0.283	W
C2A	20191113	Sunny	Moderate	Mid-Flood	Bottom	11.0	08:00	7.92	8.12	31.6	25.26	3.44	7	114	0.294	W
C2A	20191113	Sunny	Moderate	Mid-Flood	Bottom	11.0	08:00	7.59	7.99	31.72	25.12	3.14	6	113	0.308	W
C2A	20191113	Sunny	Moderate	Mid-Flood	Middle	6.0	08:01	7.69	8	32.05	25.2	2.82	4	114	0.147	NW
C2A	20191113	Sunny	Moderate	Mid-Flood	Middle	6.0	08:01	7.68	8.23	31.63	25.24	2.68	5	114	0.25	W
C2A	20191113	Sunny	Moderate	Mid-Flood	Surface	1.0	08:02	7.65	7.99	32	25.13	2.55	4	114	0.273	W
C2A	20191113	Sunny	Moderate	Mid-Flood	Surface	1.0	08:02	7.57	7.95	31.89	25.17	2.48	5	114	0.19	W
CR1	20191113	Sunny	Moderate	Mid-Flood	Bottom	11.7	10:00	7.6	7.99	31.99	25.83	3.27	6	114	0.176	W
CR1	20191113	Sunny	Moderate	Mid-Flood	Bottom	11.7	10:00	7.89	8.1	31.86	26.03	3.14	7	114	0.168	NW
CR1	20191113	Sunny	Moderate	Mid-Flood	Middle	6.4	10:01	7.85	8.14	32.03	25.93	3.06	7	114	0.21	NW
CR1	20191113	Sunny	Moderate	Mid-Flood	Middle	6.4	10:01	7.7	8.05	31.76	25.84	2.85	7	114	0.215	W
CR1	20191113	Sunny	Moderate	Mid-Flood	Surface	1.0	10:02	7.73	8.19	31.78	25.97	2.54	6	114	0.165	NW
CR1	20191113	Sunny	Moderate	Mid-Flood	Surface	1.0	10:02	7.76	8.11	31.89	25.76	2.42	6	114	0.24	W
CR2	20191113	Sunny	Moderate	Mid-Flood	Bottom	9.9	09:30	7.86	8.13	31.73	25.83	3.47	6	114	0.272	NW
CR2	20191113	Sunny	Moderate	Mid-Flood	Bottom	9.9	09:30	7.83	8.06	31.84	25.67	3.12	7	114	0.169	NW
CR2	20191113	Sunny	Moderate	Mid-Flood	Middle	5.5	09:31	7.58	8.15	31.75	25.52	3.1	7	114	0.228	W
CR2	20191113	Sunny	Moderate	Mid-Flood	Middle	5.5	09:31	7.85	8.19	32.01	25.48	2.83	6	114	0.273	W
CR2	20191113	Sunny	Moderate	Mid-Flood	Surface	1.0	09:32	7.56	8.08	31.87	25.63	2.77	6	114	0.295	W
CR2	20191113	Sunny	Moderate	Mid-Flood	Surface	1.0	09:32	7.83	7.97	31.62	25.7	2.59	7	114	0.228	W
F1A	20191113	Sunny	Moderate	Mid-Flood	Bottom	7.7	09:29	7.69	8.16	32.03	25.6	3.2	6	114	0.299	NW
F1A	20191113	Sunny	Moderate	Mid-Flood	Bottom	7.7	09:29	7.86	8.08	32	25.82	3.23	6	114	0.256	W
F1A	20191113	Sunny	Moderate	Mid-Flood	Middle	4.4	09:30	7.55	8.19	31.95	25.76	3.13	5	114	0.193	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	20191113	Sunny	Moderate	Mid-Flood	Middle	4.4	09:30	7.92	8.21	31.75	25.81	3.08	6	114	0.263	W
F1A	20191113	Sunny	Moderate	Mid-Flood	Surface	1.0	09:31	7.82	8.06	31.79	25.75	2.94	6	114	0.192	W
F1A	20191113	Sunny	Moderate	Mid-Flood	Surface	1.0	09:31	7.71	8.09	31.81	25.81	2.92	5	114	0.238	W
H1	20191113	Sunny	Moderate	Mid-Flood	Bottom	7.3	08:23	7.89	8.17	31.85	25.26	3.11	8	115	0.213	W
H1	20191113	Sunny	Moderate	Mid-Flood	Bottom	7.3	08:23	7.92	8.04	31.83	25.3	3.35	8	114	0.151	NW
H1	20191113	Sunny	Moderate	Mid-Flood	Middle	4.2	08:24	7.59	8.07	31.81	25.15	2.76	8	114	0.302	NW
H1	20191113	Sunny	Moderate	Mid-Flood	Middle	4.2	08:24	7.78	8.11	32.02	25.13	3.12	9	114	0.144	W
H1	20191113	Sunny	Moderate	Mid-Flood	Surface	1.0	08:25	7.72	8.18	31.99	25.31	2.48	8	114	0.235	W
H1	20191113	Sunny	Moderate	Mid-Flood	Surface	1.0	08:25	7.66	8.1	31.82	25.32	2.39	7	114	0.286	NW
M1	20191113	Sunny	Moderate	Mid-Flood	Bottom	6.4	10:05	7.73	8.21	31.94	25.92	3.16	8	114	0.213	W
M1	20191113	Sunny	Moderate	Mid-Flood	Bottom	6.4	10:05	7.7	8	31.73	25.89	2.88	8	114	0.157	NW
M1	20191113	Sunny	Moderate	Mid-Flood	Middle	3.7	10:06	7.91	8.12	31.88	25.86	2.92	6	114	0.279	W
M1	20191113	Sunny	Moderate	Mid-Flood	Middle	3.7	10:06	7.9	8.12	31.87	25.82	2.61	7	114	0.295	NW
M1	20191113	Sunny	Moderate	Mid-Flood	Surface	1.0	10:07	7.7	7.96	31.78	25.76	2.37	6	114	0.191	W
M1	20191113	Sunny	Moderate	Mid-Flood	Surface	1.0	10:07	7.83	8.05	31.6	25.86	2.79	5	114	0.18	W
S1	20191113	Sunny	Moderate	Mid-Flood	Bottom	4.3	08:41	7.8	7.96	31.64	25.2	3.01	7	114	0.18	W
S1	20191113	Sunny	Moderate	Mid-Flood	Bottom	4.3	08:41	7.62	8.07	31.97	25.1	3.2	6	114	0.321	W
S1	20191113	Sunny	Moderate	Mid-Flood	Surface	1.0	08:42	7.85	8.09	31.77	25.14	2.51	5	114	0.239	W
S1	20191113	Sunny	Moderate	Mid-Flood	Surface	1.0	08:42	7.66	7.97	31.69	25.25	2.82	6	114	0.171	NW
S2A	20191113	Sunny	Moderate	Mid-Flood	Bottom	8.6	09:08	7.74	8.1	31.76	25.49	3.23	7	114	0.173	W
S2A	20191113	Sunny	Moderate	Mid-Flood	Bottom	8.6	09:08	7.6	8.07	31.64	25.47	3.31	7	114	0.194	NW
S2A	20191113	Sunny	Moderate	Mid-Flood	Middle	4.8	09:09	7.9	7.99	31.67	25.51	3.11	6	114	0.243	W
S2A	20191113	Sunny	Moderate	Mid-Flood	Middle	4.8	09:09	7.66	8.22	31.93	25.66	2.62	7	115	0.202	W
S2A	20191113	Sunny	Moderate	Mid-Flood	Surface	1.0	09:10	7.84	8.05	31.69	25.66	2.47	6	114	0.166	W
S2A	20191113	Sunny	Moderate	Mid-Flood	Surface	1.0	09:10	7.83	8.12	31.86	25.66	2.51	7	114	0.138	NW
S3	20191113	Sunny	Moderate	Mid-Flood	Bottom	8.7	09:40	7.92	8.18	32.01	25.82	3.13	8	114	0.152	NW
S3	20191113	Sunny	Moderate	Mid-Flood	Bottom	8.7	09:40	7.79	8.17	31.83	25.85	3.39	9	114	0.262	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	20191113	Sunny	Moderate	Mid-Flood	Middle	4.9	09:41	7.8	8.07	31.69	25.57	2.69	9	114	0.298	NW
S3	20191113	Sunny	Moderate	Mid-Flood	Middle	4.9	09:41	7.89	8.08	31.76	25.62	3.07	8	116	0.15	NW
S3	20191113	Sunny	Moderate	Mid-Flood	Surface	1.0	09:42	7.91	7.99	31.72	25.77	2.52	6	113	0.312	W
S3	20191113	Sunny	Moderate	Mid-Flood	Surface	1.0	09:42	7.87	8	31.96	25.61	2.49	5	113	0.303	W
B1	20191113	Sunny	Moderate	Mid-Ebb	Bottom	4.2	11:34	7.19	7.89	31.63	26.67	2.86	9	114	0.199	SE
B1	20191113	Sunny	Moderate	Mid-Ebb	Bottom	4.2	11:34	7.16	7.85	31.87	26.74	3.45	7	114	0.21	SE
B1	20191113	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:35	7.11	7.78	31.63	26.98	2.34	6	114	0.186	E
B1	20191113	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:35	7.48	7.88	31.87	26.59	2.38	5	114	0.255	SE
B2	20191113	Sunny	Moderate	Mid-Ebb	Bottom	4.6	11:50	7.11	7.78	31.87	27	3.15	5	114	0.152	SE
B2	20191113	Sunny	Moderate	Mid-Ebb	Bottom	4.6	11:50	7.38	7.81	31.62	26.62	3.27	4	114	0.238	E
B2	20191113	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:51	7.44	7.89	31.32	26.62	2.61	4	114	0.17	SE
B2	20191113	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:51	7.1	7.92	31.39	26.67	2.9	4	114	0.134	SE
B3	20191113	Sunny	Moderate	Mid-Ebb	Bottom	3.4	11:49	7.14	7.91	31.58	26.87	3.23	8	114	0.224	SE
B3	20191113	Sunny	Moderate	Mid-Ebb	Bottom	3.4	11:49	7.14	7.93	31.34	27.01	2.96	8	114	0.171	SE
B3	20191113	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:50	7.28	7.82	31.73	26.94	2.8	6	114	0.142	SE
B3	20191113	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:50	7.1	7.87	31.34	26.96	2.73	7	114	0.249	SE
B4	20191113	Sunny	Moderate	Mid-Ebb	Bottom	3.6	12:07	7.23	7.79	31.5	27.06	3.35	6	114	0.247	SE
B4	20191113	Sunny	Moderate	Mid-Ebb	Bottom	3.6	12:07	7.36	7.93	31.47	26.96	3.27	6	115	0.206	SE
B4	20191113	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:08	7.21	7.87	31.8	27.07	2.65	4	113	0.132	SE
B4	20191113	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:08	7.4	7.84	31.35	27.12	2.78	4	114	0.271	E
C1A	20191113	Sunny	Moderate	Mid-Ebb	Bottom	8.5	11:09	7.46	7.77	31.81	26.81	3.28	6	115	0.213	SE
C1A	20191113	Sunny	Moderate	Mid-Ebb	Bottom	8.5	11:09	7.35	7.87	31.88	26.71	3.43	6	114	0.269	SE
C1A	20191113	Sunny	Moderate	Mid-Ebb	Middle	4.8	11:10	7.05	7.83	31.76	26.51	2.48	6	115	0.162	SE
C1A	20191113	Sunny	Moderate	Mid-Ebb	Middle	4.8	11:10	7.49	7.78	31.41	26.81	2.61	6	114	0.277	SE
C1A	20191113	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:11	7.02	7.91	31.84	26.78	2.65	5	114	0.169	SE
C1A	20191113	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:11	7.18	7.91	31.85	26.86	2.47	6	114	0.243	SE
C2A	20191113	Sunny	Moderate	Mid-Ebb	Bottom	10.3	11:10	7.24	7.88	31.66	26.5	2.9	3	114	0.172	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	20191113	Sunny	Moderate	Mid-Ebb	Bottom	10.3	11:10	7.29	7.81	31.45	26.6	3.02	4	114	0.116	SE
C2A	20191113	Sunny	Moderate	Mid-Ebb	Middle	5.7	11:11	7.18	7.89	31.35	26.8	2.84	4	114	0.194	SE
C2A	20191113	Sunny	Moderate	Mid-Ebb	Middle	5.7	11:11	7.25	7.75	31.6	26.55	2.89	4	114	0.207	SE
C2A	20191113	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:12	7.39	7.79	31.76	26.7	2.4	6	115	0.168	SE
C2A	20191113	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:12	7.21	7.75	31.42	26.83	2.9	5	115	0.222	SE
CR1	20191113	Sunny	Moderate	Mid-Ebb	Bottom	11.8	13:01	7.34	7.89	31.52	26.92	3.28	6	114	0.177	E
CR1	20191113	Sunny	Moderate	Mid-Ebb	Bottom	11.8	13:01	7.05	7.89	31.37	27.22	2.96	7	114	0.219	SE
CR1	20191113	Sunny	Moderate	Mid-Ebb	Middle	6.4	13:02	7.1	7.76	31.44	27.13	2.79	6	114	0.206	SE
CR1	20191113	Sunny	Moderate	Mid-Ebb	Middle	6.4	13:02	7.3	7.85	31.46	27	2.49	7	114	0.128	SE
CR1	20191113	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:03	7.45	7.8	31.39	26.95	2.78	6	114	0.129	SE
CR1	20191113	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:03	7.06	7.88	31.33	26.96	2.69	6	114	0.141	SE
CR2	20191113	Sunny	Moderate	Mid-Ebb	Bottom	10.3	12:31	7.1	7.86	31.64	26.81	2.87	7	114	0.146	SE
CR2	20191113	Sunny	Moderate	Mid-Ebb	Bottom	10.3	12:31	7.2	7.75	31.7	26.92	2.94	8	114	0.223	E
CR2	20191113	Sunny	Moderate	Mid-Ebb	Middle	5.7	12:32	7.32	7.91	31.31	26.99	2.73	8	114	0.253	SE
CR2	20191113	Sunny	Moderate	Mid-Ebb	Middle	5.7	12:32	7.09	7.83	31.31	27.12	2.69	6	114	0.23	SE
CR2	20191113	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:33	7.21	7.86	31.46	26.78	2.89	7	114	0.167	SE
CR2	20191113	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:33	7.2	7.84	31.54	26.76	2.52	6	114	0.169	E
F1A	20191113	Sunny	Moderate	Mid-Ebb	Bottom	7.1	12:39	7.28	7.92	31.32	27.13	3.43	7	114	0.153	SE
F1A	20191113	Sunny	Moderate	Mid-Ebb	Bottom	7.1	12:39	7.41	7.84	31.49	27.04	2.9	7	114	0.276	SE
F1A	20191113	Sunny	Moderate	Mid-Ebb	Middle	4.1	12:40	7.08	7.86	31.4	26.84	2.84	6	115	0.184	SE
F1A	20191113	Sunny	Moderate	Mid-Ebb	Middle	4.1	12:40	7.03	7.94	31.4	26.71	2.93	4	114	0.238	SE
F1A	20191113	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:41	7.37	7.91	31.47	27.11	2.82	4	114	0.208	E
F1A	20191113	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:41	7.3	7.94	31.58	27.01	2.77	4	113	0.247	SE
H1	20191113	Sunny	Moderate	Mid-Ebb	Bottom	8.0	11:32	7.1	7.89	31.3	26.76	3.22	5	114	0.259	SE
H1	20191113	Sunny	Moderate	Mid-Ebb	Bottom	8.0	11:32	7.26	7.82	31.89	26.65	3.36	5	114	0.279	SE
H1	20191113	Sunny	Moderate	Mid-Ebb	Middle	4.5	11:33	7.3	7.88	31.5	26.83	2.72	5	114	0.124	SE
H1	20191113	Sunny	Moderate	Mid-Ebb	Middle	4.5	11:33	7.17	7.87	31.59	26.55	2.56	4	114	0.271	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	20191113	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:34	7.43	7.78	31.71	26.7	2.5	5	114	0.259	E
H1	20191113	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:34	7.44	7.76	31.44	26.66	2.48	4	114	0.274	E
M1	20191113	Sunny	Moderate	Mid-Ebb	Bottom	8.0	13:11	7.47	7.83	31.63	26.84	3.38	7	114	0.257	SE
M1	20191113	Sunny	Moderate	Mid-Ebb	Bottom	8.0	13:11	7.29	7.86	31.7	27.23	3.22	7	114	0.158	SE
M1	20191113	Sunny	Moderate	Mid-Ebb	Middle	4.5	13:12	7.33	7.75	31.31	27.02	2.69	8	114	0.146	SE
M1	20191113	Sunny	Moderate	Mid-Ebb	Middle	4.5	13:12	7.26	7.94	31.87	26.87	2.56	7	114	0.259	SE
M1	20191113	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:13	7.04	7.77	31.86	27.17	2.83	8	114	0.166	E
M1	20191113	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:13	7.11	7.89	31.3	27.22	2.9	7	114	0.275	SE
S1	20191113	Sunny	Moderate	Mid-Ebb	Bottom	4.3	11:42	7.32	7.8	31.58	26.79	3.41	7	114	0.263	SE
S1	20191113	Sunny	Moderate	Mid-Ebb	Bottom	4.3	11:42	7.25	7.79	31.82	26.93	3.3	6	114	0.243	E
S1	20191113	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:43	7.44	7.88	31.59	26.66	2.6	6	114	0.178	SE
S1	20191113	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:43	7.45	7.76	31.4	26.59	2.86	4	113	0.233	SE
S2A	20191113	Sunny	Moderate	Mid-Ebb	Bottom	8.3	12:09	7.37	7.84	31.62	26.86	3.23	6	114	0.28	SE
S2A	20191113	Sunny	Moderate	Mid-Ebb	Bottom	8.3	12:09	7.17	7.83	31.72	26.74	3.29	6	114	0.237	SE
S2A	20191113	Sunny	Moderate	Mid-Ebb	Middle	4.7	12:10	7.39	7.89	31.36	26.83	2.57	5	114	0.247	SE
S2A	20191113	Sunny	Moderate	Mid-Ebb	Middle	4.7	12:10	7.27	7.8	31.8	26.77	2.61	6	114	0.218	E
S2A	20191113	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:11	7.28	7.89	31.67	27.01	2.34	6	114	0.26	SE
S2A	20191113	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:11	7.35	7.86	31.4	26.95	2.76	5	114	0.238	SE
S3	20191113	Sunny	Moderate	Mid-Ebb	Bottom	9.5	12:41	7.15	7.88	31.85	26.85	3.16	6	114	0.213	E
S3	20191113	Sunny	Moderate	Mid-Ebb	Bottom	9.5	12:41	7.25	7.79	31.59	26.84	3.36	7	114	0.171	SE
S3	20191113	Sunny	Moderate	Mid-Ebb	Middle	5.3	12:42	7.44	7.87	31.83	27.06	2.68	6	114	0.161	SE
S3	20191113	Sunny	Moderate	Mid-Ebb	Middle	5.3	12:42	7.49	7.82	31.51	27.04	2.54	6	114	0.236	SE
S3	20191113	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:43	7.1	7.89	31.61	26.71	2.83	4	114	0.207	SE
S3	20191113	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:43	7.21	7.81	31.44	27.14	2.55	4	114	0.271	E
B1	20191115	Sunny	Moderate	Mid-Flood	Bottom	4.6	08:35	7.66	7.78	30.65	24.81	3.25	7	114	0.304	NW
B1	20191115	Sunny	Moderate	Mid-Flood	Bottom	4.6	08:35	7.41	7.84	30.63	24.72	3.3	7	114	0.157	W
B1	20191115	Sunny	Moderate	Mid-Flood	Surface	1.0	08:36	7.54	7.93	30.88	24.68	2.37	9	114	0.206	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	20191115	Sunny	Moderate	Mid-Flood	Surface	1.0	08:36	7.69	7.85	30.62	24.82	2.92	8	113	0.315	W
B2	20191115	Sunny	Moderate	Mid-Flood	Bottom	4.1	08:56	7.61	7.78	30.56	24.89	3.36	8	114	0.292	W
B2	20191115	Sunny	Moderate	Mid-Flood	Bottom	4.1	08:56	7.52	7.78	30.71	24.91	2.94	7	114	0.265	W
B2	20191115	Sunny	Moderate	Mid-Flood	Surface	1.0	08:57	7.46	7.85	30.47	24.94	2.79	9	114	0.32	W
B2	20191115	Sunny	Moderate	Mid-Flood	Surface	1.0	08:57	7.58	7.89	30.44	25.08	2.76	9	114	0.163	W
B3	20191115	Sunny	Moderate	Mid-Flood	Bottom	3.8	08:49	7.66	7.87	30.51	24.82	3.24	8	114	0.218	NW
B3	20191115	Sunny	Moderate	Mid-Flood	Bottom	3.8	08:49	7.5	7.77	30.82	24.92	3.32	7	113	0.173	W
B3	20191115	Sunny	Moderate	Mid-Flood	Surface	1.0	08:50	7.57	7.79	30.91	24.78	2.86	7	114	0.232	W
B3	20191115	Sunny	Moderate	Mid-Flood	Surface	1.0	08:50	7.62	7.88	30.81	24.91	2.93	7	114	0.237	W
B4	20191115	Sunny	Moderate	Mid-Flood	Bottom	3.9	09:09	7.52	7.78	30.47	24.88	3.24	8	114	0.239	NW
B4	20191115	Sunny	Moderate	Mid-Flood	Bottom	3.9	09:09	7.36	7.92	30.82	24.7	3.22	8	113	0.244	W
B4	20191115	Sunny	Moderate	Mid-Flood	Surface	1.0	09:10	7.41	7.93	30.6	24.77	2.44	9	113	0.275	W
B4	20191115	Sunny	Moderate	Mid-Flood	Surface	1.0	09:10	7.44	7.91	30.27	24.82	2.45	8	113	0.192	W
C1A	20191115	Sunny	Moderate	Mid-Flood	Bottom	9.5	08:10	7.35	7.82	30.25	24.78	3.3	8	113	0.215	W
C1A	20191115	Sunny	Moderate	Mid-Flood	Bottom	9.5	08:10	7.38	7.84	30.45	24.74	3.02	8	114	0.263	NW
C1A	20191115	Sunny	Moderate	Mid-Flood	Middle	5.3	08:11	7.41	7.79	30.84	24.68	2.89	8	114	0.205	W
C1A	20191115	Sunny	Moderate	Mid-Flood	Middle	5.3	08:11	7.66	7.91	30.23	24.78	2.97	6	114	0.302	W
C1A	20191115	Sunny	Moderate	Mid-Flood	Surface	1.0	08:12	7.55	7.85	30.7	24.67	2.83	6	113	0.2	NW
C1A	20191115	Sunny	Moderate	Mid-Flood	Surface	1.0	08:12	7.51	7.79	30.88	24.67	2.73	7	114	0.186	W
C2A	20191115	Sunny	Moderate	Mid-Flood	Bottom	10.9	08:00	7.41	7.82	30.68	24.75	2.92	9	114	0.167	W
C2A	20191115	Sunny	Moderate	Mid-Flood	Bottom	10.9	08:00	7.67	7.82	30.85	24.7	3.08	10	114	0.163	NW
C2A	20191115	Sunny	Moderate	Mid-Flood	Middle	6.0	08:01	7.53	7.78	30.45	24.7	3.04	7	114	0.25	W
C2A	20191115	Sunny	Moderate	Mid-Flood	Middle	6.0	08:01	7.58	7.81	30.54	24.79	2.76	8	114	0.142	W
C2A	20191115	Sunny	Moderate	Mid-Flood	Surface	1.0	08:02	7.52	7.79	30.62	24.58	2.84	6	114	0.288	NW
C2A	20191115	Sunny	Moderate	Mid-Flood	Surface	1.0	08:02	7.65	7.85	30.72	24.76	2.65	7	114	0.321	W
CR1	20191115	Sunny	Moderate	Mid-Flood	Bottom	11.5	10:13	7.49	7.76	30.43	25.24	3.23	8	114	0.197	NW
CR1	20191115	Sunny	Moderate	Mid-Flood	Bottom	11.5	10:13	7.48	7.83	30.67	25.11	3.3	9	114	0.164	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	20191115	Sunny	Moderate	Mid-Flood	Middle	6.3	10:14	7.43	7.78	30.86	24.99	3.01	8	114	0.159	W
CR1	20191115	Sunny	Moderate	Mid-Flood	Middle	6.3	10:14	7.54	7.85	30.21	25.13	2.89	8	114	0.292	W
CR1	20191115	Sunny	Moderate	Mid-Flood	Surface	1.0	10:15	7.36	7.82	30.49	25.11	2.87	6	115	0.175	NW
CR1	20191115	Sunny	Moderate	Mid-Flood	Surface	1.0	10:15	7.6	7.9	30.52	25.14	2.84	6	114	0.238	W
CR2	20191115	Sunny	Moderate	Mid-Flood	Bottom	10.1	09:43	7.54	7.85	30.41	25.11	3.43	7	113	0.195	W
CR2	20191115	Sunny	Moderate	Mid-Flood	Bottom	10.1	09:43	7.4	7.82	30.44	25.2	3.11	6	114	0.223	W
CR2	20191115	Sunny	Moderate	Mid-Flood	Middle	5.6	09:44	7.49	7.81	30.39	25.1	3.12	6	114	0.239	W
CR2	20191115	Sunny	Moderate	Mid-Flood	Middle	5.6	09:44	7.61	7.92	30.48	25.04	3.04	6	114	0.244	W
CR2	20191115	Sunny	Moderate	Mid-Flood	Surface	1.0	09:45	7.35	7.76	30.33	25.06	2.37	5	114	0.312	W
CR2	20191115	Sunny	Moderate	Mid-Flood	Surface	1.0	09:45	7.58	7.85	30.25	24.93	2.53	5	114	0.209	W
F1A	20191115	Sunny	Moderate	Mid-Flood	Bottom	7.7	09:40	7.4	7.86	30.9	24.91	3.32	9	113	0.297	W
F1A	20191115	Sunny	Moderate	Mid-Flood	Bottom	7.7	09:40	7.43	7.76	30.74	25.23	3.18	9	114	0.31	NW
F1A	20191115	Sunny	Moderate	Mid-Flood	Middle	4.4	09:41	7.67	7.9	30.68	24.9	2.92	9	114	0.299	W
F1A	20191115	Sunny	Moderate	Mid-Flood	Middle	4.4	09:41	7.45	7.76	30.65	25.03	2.95	10	114	0.289	NW
F1A	20191115	Sunny	Moderate	Mid-Flood	Surface	1.0	09:42	7.46	7.89	30.68	25.06	2.56	10	114	0.237	W
F1A	20191115	Sunny	Moderate	Mid-Flood	Surface	1.0	09:42	7.42	7.87	30.84	25.2	2.91	9	114	0.183	W
H1	20191115	Sunny	Moderate	Mid-Flood	Bottom	6.5	08:30	7.36	7.86	30.39	24.66	3.01	8	113	0.293	W
H1	20191115	Sunny	Moderate	Mid-Flood	Bottom	6.5	08:30	7.39	7.84	30.51	24.72	3.39	7	113	0.246	W
H1	20191115	Sunny	Moderate	Mid-Flood	Middle	3.8	08:31	7.53	7.91	30.21	24.67	2.86	8	114	0.313	W
H1	20191115	Sunny	Moderate	Mid-Flood	Middle	3.8	08:31	7.64	7.82	30.33	24.85	2.85	7	114	0.302	W
H1	20191115	Sunny	Moderate	Mid-Flood	Surface	1.0	08:32	7.53	7.75	30.35	24.84	2.47	8	115	0.202	W
H1	20191115	Sunny	Moderate	Mid-Flood	Surface	1.0	08:32	7.35	7.8	30.95	24.67	2.62	8	113	0.182	NW
M1	20191115	Sunny	Moderate	Mid-Flood	Bottom	6.8	10:17	7.68	7.76	30.69	25.08	3	7	113	0.158	W
M1	20191115	Sunny	Moderate	Mid-Flood	Bottom	6.8	10:17	7.52	7.9	30.23	25.14	3.3	6	114	0.211	W
M1	20191115	Sunny	Moderate	Mid-Flood	Middle	3.9	10:18	7.39	7.89	30.95	25.2	2.86	7	114	0.278	W
M1	20191115	Sunny	Moderate	Mid-Flood	Middle	3.9	10:18	7.68	7.9	30.77	25.2	3.08	7	115	0.23	NW
M1	20191115	Sunny	Moderate	Mid-Flood	Surface	1.0	10:19	7.63	7.78	30.4	25.07	2.35	6	114	0.29	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	20191115	Sunny	Moderate	Mid-Flood	Surface	1.0	10:19	7.43	7.87	30.62	25.05	2.81	5	114	0.204	NW
S1	20191115	Sunny	Moderate	Mid-Flood	Bottom	4.6	08:45	7.61	7.91	30.46	24.8	2.99	6	114	0.173	W
S1	20191115	Sunny	Moderate	Mid-Flood	Bottom	4.6	08:45	7.49	7.93	30.6	24.85	3.07	7	113	0.275	W
S1	20191115	Sunny	Moderate	Mid-Flood	Surface	1.0	08:46	7.39	7.77	30.88	24.75	2.82	6	114	0.197	NW
S1	20191115	Sunny	Moderate	Mid-Flood	Surface	1.0	08:46	7.61	7.84	30.93	24.74	2.87	7	114	0.251	W
S2A	20191115	Sunny	Moderate	Mid-Flood	Bottom	8.7	09:19	7.44	7.82	30.55	24.96	3.26	6	113	0.28	W
S2A	20191115	Sunny	Moderate	Mid-Flood	Bottom	8.7	09:19	7.54	7.83	30.56	25.09	3.42	7	113	0.319	NW
S2A	20191115	Sunny	Moderate	Mid-Flood	Middle	4.9	09:20	7.45	7.83	30.54	24.91	2.6	7	114	0.231	W
S2A	20191115	Sunny	Moderate	Mid-Flood	Middle	4.9	09:20	7.38	7.91	30.73	25.09	2.9	6	114	0.183	W
S2A	20191115	Sunny	Moderate	Mid-Flood	Surface	1.0	09:21	7.38	7.84	30.73	24.97	2.74	6	114	0.263	W
S2A	20191115	Sunny	Moderate	Mid-Flood	Surface	1.0	09:21	7.41	7.84	30.27	24.85	2.57	6	113	0.301	W
S3	20191115	Sunny	Moderate	Mid-Flood	Bottom	9.3	09:53	7.37	7.85	30.63	25.12	3.57	10	114	0.264	W
S3	20191115	Sunny	Moderate	Mid-Flood	Bottom	9.3	09:53	7.43	7.91	30.52	24.95	3.39	8	114	0.209	W
S3	20191115	Sunny	Moderate	Mid-Flood	Middle	5.2	09:54	7.37	7.84	30.25	25.08	2.89	7	114	0.315	W
S3	20191115	Sunny	Moderate	Mid-Flood	Middle	5.2	09:54	7.68	7.81	30.42	24.93	2.96	8	114	0.301	W
S3	20191115	Sunny	Moderate	Mid-Flood	Surface	1.0	09:55	7.5	7.92	30.5	25	2.74	6	114	0.291	NW
S3	20191115	Sunny	Moderate	Mid-Flood	Surface	1.0	09:55	7.62	7.89	30.81	25.09	3.02	7	114	0.148	NW
B1	20191115	Sunny	Moderate	Mid-Ebb	Bottom	3.9	12:36	7.32	7.77	30.24	26.41	3.19	7	114	0.244	E
B1	20191115	Sunny	Moderate	Mid-Ebb	Bottom	3.9	12:36	7.43	7.91	30.28	26.25	3.04	6	114	0.246	SE
B1	20191115	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:37	7.34	7.88	30.34	26.18	2.85	7	114	0.138	E
B1	20191115	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:37	7.32	7.8	30.51	26.44	2.43	6	114	0.21	SE
B2	20191115	Sunny	Moderate	Mid-Ebb	Bottom	4.8	12:57	7.31	7.81	30.66	26.42	2.94	7	114	0.162	SE
B2	20191115	Sunny	Moderate	Mid-Ebb	Bottom	4.8	12:57	7.57	7.78	30.34	26.12	3.22	6	114	0.272	SE
B2	20191115	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:58	7.36	7.77	30.27	26.26	2.82	6	114	0.188	SE
B2	20191115	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:58	7.57	7.88	30.38	26.39	2.61	7	115	0.194	E
B3	20191115	Sunny	Moderate	Mid-Ebb	Bottom	3.8	13:00	7.54	7.91	30.58	26.47	3.18	8	114	0.149	SE
B3	20191115	Sunny	Moderate	Mid-Ebb	Bottom	3.8	13:00	7.34	7.81	30.23	26.2	3.06	10	114	0.116	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	20191115	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:01	7.59	7.75	30.6	26.35	2.44	7	114	0.267	SE
B3	20191115	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:01	7.47	7.84	30.42	26.43	2.58	7	114	0.154	SE
B4	20191115	Sunny	Moderate	Mid-Ebb	Bottom	4.1	13:19	7.51	7.82	30.33	26.36	3.06	10	115	0.121	E
B4	20191115	Sunny	Moderate	Mid-Ebb	Bottom	4.1	13:19	7.53	7.85	30.38	26.52	3.12	10	114	0.211	E
B4	20191115	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:20	7.36	7.78	30.67	26.1	2.69	10	114	0.155	SE
B4	20191115	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:20	7.26	7.94	30.51	26.16	2.59	8	114	0.224	SE
C1A	20191115	Sunny	Moderate	Mid-Ebb	Bottom	8.5	12:11	7.37	7.93	30.29	26.24	3.05	10	114	0.249	SE
C1A	20191115	Sunny	Moderate	Mid-Ebb	Bottom	8.5	12:11	7.51	7.92	30.64	26.03	3.03	11	114	0.214	SE
C1A	20191115	Sunny	Moderate	Mid-Ebb	Middle	4.8	12:12	7.53	7.87	30.56	26.15	2.66	8	114	0.24	SE
C1A	20191115	Sunny	Moderate	Mid-Ebb	Middle	4.8	12:12	7.48	7.92	30.36	26.03	2.66	8	115	0.144	SE
C1A	20191115	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:13	7.47	7.91	30.59	26.07	2.78	7	114	0.229	E
C1A	20191115	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:13	7.26	7.77	30.57	26.15	2.41	6	115	0.278	SE
C2A	20191115	Sunny	Moderate	Mid-Ebb	Bottom	10.9	12:16	7.49	7.8	30.52	26.38	3.11	7	114	0.216	E
C2A	20191115	Sunny	Moderate	Mid-Ebb	Bottom	10.9	12:16	7.54	7.89	30.48	26.38	3.31	8	115	0.117	SE
C2A	20191115	Sunny	Moderate	Mid-Ebb	Middle	6.0	12:17	7.52	7.76	30.44	26.06	2.48	9	114	0.117	SE
C2A	20191115	Sunny	Moderate	Mid-Ebb	Middle	6.0	12:17	7.4	7.82	30.59	26.27	2.67	8	115	0.208	SE
C2A	20191115	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:18	7.34	7.9	30.53	26.05	2.52	10	114	0.214	SE
C2A	20191115	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:18	7.45	7.84	30.65	26.1	2.33	10	114	0.187	SE
CR1	20191115	Sunny	Moderate	Mid-Ebb	Bottom	12.5	14:14	7.28	7.89	30.29	26.44	3.43	8	113	0.197	SE
CR1	20191115	Sunny	Moderate	Mid-Ebb	Bottom	12.5	14:14	7.52	7.88	30.47	26.29	2.87	8	113	0.217	E
CR1	20191115	Sunny	Moderate	Mid-Ebb	Middle	6.8	14:15	7.46	7.9	30.31	26.57	2.37	6	112	0.263	E
CR1	20191115	Sunny	Moderate	Mid-Ebb	Middle	6.8	14:15	7.31	7.9	30.6	26.37	2.54	8	113	0.239	SE
CR1	20191115	Sunny	Moderate	Mid-Ebb	Surface	1.0	14:16	7.37	7.82	30.59	26.38	2.56	7	113	0.203	SE
CR1	20191115	Sunny	Moderate	Mid-Ebb	Surface	1.0	14:16	7.57	7.79	30.61	26.48	2.8	7	113	0.222	SE
CR2	20191115	Sunny	Moderate	Mid-Ebb	Bottom	10.4	13:44	7.4	7.77	30.23	26.25	3.09	8	113	0.175	SE
CR2	20191115	Sunny	Moderate	Mid-Ebb	Bottom	10.4	13:44	7.45	7.78	30.37	26.45	2.87	8	113	0.146	SE
CR2	20191115	Sunny	Moderate	Mid-Ebb	Middle	5.7	13:45	7.26	7.83	30.66	26.4	2.76	8	112	0.219	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
CR2	20191115	Sunny	Moderate	Mid-Ebb	Middle	5.7	13:45	7.36	7.76	30.32	26.2	2.53	9	113	0.177	SE
CR2	20191115	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:46	7.55	7.89	30.49	26.5	2.34	8	113	0.133	E
CR2	20191115	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:46	7.38	7.89	30.57	26.5	2.69	8	112	0.282	E
F1A	20191115	Sunny	Moderate	Mid-Ebb	Bottom	8.0	13:52	7.59	7.75	30.52	26.44	3.36	6	113	0.143	SE
F1A	20191115	Sunny	Moderate	Mid-Ebb	Bottom	8.0	13:52	7.38	7.92	30.2	26.27	3.09	6	113	0.192	SE
F1A	20191115	Sunny	Moderate	Mid-Ebb	Middle	4.5	13:53	7.27	7.92	30.2	26.27	2.68	6	114	0.224	SE
F1A	20191115	Sunny	Moderate	Mid-Ebb	Middle	4.5	13:53	7.52	7.85	30.28	26.37	2.4	6	112	0.171	SE
F1A	20191115	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:54	7.28	7.83	30.25	26.44	2.84	6	114	0.278	SE
F1A	20191115	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:54	7.46	7.92	30.6	26.45	2.5	7	114	0.148	E
H1	20191115	Sunny	Moderate	Mid-Ebb	Bottom	7.4	12:40	7.41	7.83	30.2	26.3	3.13	8	114	0.215	SE
H1	20191115	Sunny	Moderate	Mid-Ebb	Bottom	7.4	12:40	7.55	7.82	30.2	26.31	3.44	9	115	0.159	SE
H1	20191115	Sunny	Moderate	Mid-Ebb	Middle	4.2	12:41	7.54	7.92	30.4	26.27	2.54	9	115	0.179	E
H1	20191115	Sunny	Moderate	Mid-Ebb	Middle	4.2	12:41	7.29	7.86	30.6	26.09	2.74	8	114	0.126	SE
H1	20191115	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:42	7.51	7.77	30.38	26.24	2.75	8	114	0.124	SE
H1	20191115	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:42	7.47	7.86	30.49	26.28	2.85	8	114	0.275	SE
M1	20191115	Sunny	Moderate	Mid-Ebb	Bottom	8.9	14:41	7.58	7.76	30.27	26.4	3.22	8	113	0.117	SE
M1	20191115	Sunny	Moderate	Mid-Ebb	Bottom	8.9	14:41	7.54	7.89	30.6	26.45	3.26	8	113	0.161	SE
M1	20191115	Sunny	Moderate	Mid-Ebb	Middle	5.0	14:42	7.41	7.82	30.2	26.45	2.38	7	113	0.207	SE
M1	20191115	Sunny	Moderate	Mid-Ebb	Middle	5.0	14:42	7.33	7.84	30.25	26.45	2.35	7	113	0.22	SE
M1	20191115	Sunny	Moderate	Mid-Ebb	Surface	1.0	14:43	7.52	7.77	30.3	26.31	2.42	7	113	0.201	E
M1	20191115	Sunny	Moderate	Mid-Ebb	Surface	1.0	14:43	7.47	7.86	30.57	26.43	2.7	7	113	0.22	E
S1	20191115	Sunny	Moderate	Mid-Ebb	Bottom	4.5	12:46	7.36	7.88	30.44	26.31	3.45	7	113	0.229	SE
S1	20191115	Sunny	Moderate	Mid-Ebb	Bottom	4.5	12:46	7.58	7.86	30.47	26.17	2.97	7	112	0.212	SE
S1	20191115	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:47	7.55	7.9	30.39	26.27	2.73	7	113	0.161	SE
S1	20191115	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:47	7.54	7.86	30.48	26.29	2.66	6	113	0.282	E
S2A	20191115	Sunny	Moderate	Mid-Ebb	Bottom	7.9	13:18	7.37	7.81	30.3	26.52	3.13	7	113	0.138	SE
S2A	20191115	Sunny	Moderate	Mid-Ebb	Bottom	7.9	13:18	7.51	7.77	30.64	26.32	3.01	6	113	0.263	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	20191115	Sunny	Moderate	Mid-Ebb	Middle	4.5	13:19	7.34	7.81	30.59	26.47	2.79	8	114	0.237	SE
S2A	20191115	Sunny	Moderate	Mid-Ebb	Middle	4.5	13:19	7.52	7.75	30.28	26.38	2.43	8	112	0.206	SE
S2A	20191115	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:20	7.49	7.88	30.62	26.28	2.81	8	112	0.202	SE
S2A	20191115	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:20	7.44	7.85	30.43	26.11	2.33	8	113	0.195	SE
S3	20191115	Sunny	Moderate	Mid-Ebb	Bottom	10.4	13:54	7.33	7.78	30.32	26.23	2.94	9	113	0.198	SE
S3	20191115	Sunny	Moderate	Mid-Ebb	Bottom	10.4	13:54	7.33	7.81	30.2	26.26	3.23	7	113	0.257	SE
S3	20191115	Sunny	Moderate	Mid-Ebb	Middle	5.7	13:55	7.44	7.93	30.5	26.37	2.47	7	113	0.241	E
S3	20191115	Sunny	Moderate	Mid-Ebb	Middle	5.7	13:55	7.4	7.93	30.22	26.28	2.76	8	113	0.118	SE
S3	20191115	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:56	7.45	7.94	30.26	26.25	2.39	8	113	0.179	SE
S3	20191115	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:56	7.46	7.82	30.5	26.29	2.53	7	113	0.187	SE
B1	20191118	Sunny	Moderate	Mid-Flood	Bottom	4.1	10:47	6.87	8	30.58	26.98	2.69	4	113	0.262	W
B1	20191118	Sunny	Moderate	Mid-Flood	Bottom	4.1	10:47	6.96	8.01	30.26	26.91	2.62	4	112	0.294	W
B1	20191118	Sunny	Moderate	Mid-Flood	Surface	1.0	10:48	7.03	8.02	30.16	26.81	2.01	3	113	0.316	W
B1	20191118	Sunny	Moderate	Mid-Flood	Surface	1.0	10:48	7.12	7.86	30.05	26.87	2.48	4	112	0.309	W
B2	20191118	Sunny	Moderate	Mid-Flood	Bottom	3.4	11:07	7	7.91	29.91	26.81	3.06	6	112	0.29	W
B2	20191118	Sunny	Moderate	Mid-Flood	Bottom	3.4	11:07	6.93	8.01	29.9	26.93	2.61	7	112	0.2	NW
B2	20191118	Sunny	Moderate	Mid-Flood	Surface	1.0	11:08	7.06	8.03	30.1	26.97	2.52	5	112	0.197	W
B2	20191118	Sunny	Moderate	Mid-Flood	Surface	1.0	11:08	7.1	7.88	30.31	26.78	2.15	5	112	0.182	W
B3	20191118	Sunny	Moderate	Mid-Flood	Bottom	4.3	10:44	6.93	7.97	30.13	26.73	3.18	5	112	0.139	W
B3	20191118	Sunny	Moderate	Mid-Flood	Bottom	4.3	10:44	7.09	7.92	30.41	26.8	2.99	5	111	0.298	W
B3	20191118	Sunny	Moderate	Mid-Flood	Surface	1.0	10:45	7.01	7.82	30.53	26.82	2.24	4	112	0.138	W
B3	20191118	Sunny	Moderate	Mid-Flood	Surface	1.0	10:45	6.9	7.87	30.25	26.84	2.44	4	113	0.144	W
B4	20191118	Sunny	Moderate	Mid-Flood	Bottom	4.6	10:56	6.94	7.9	29.99	26.69	3.21	6	112	0.189	W
B4	20191118	Sunny	Moderate	Mid-Flood	Bottom	4.6	10:56	7.13	7.86	30.54	26.77	2.66	5	113	0.156	NW
B4	20191118	Sunny	Moderate	Mid-Flood	Surface	1.0	10:57	6.91	7.9	29.95	26.65	2.32	4	112	0.254	W
B4	20191118	Sunny	Moderate	Mid-Flood	Surface	1.0	10:57	6.89	7.94	29.9	26.84	2.1	5	113	0.283	W
C1A	20191118	Sunny	Moderate	Mid-Flood	Bottom	10.9	10:20	7.07	7.98	30.33	26.6	2.69	6	113	0.169	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
C1A	20191118	Sunny	Moderate	Mid-Flood	Bottom	10.9	10:20	6.87	8.01	30.06	26.81	3.01	6	111	0.312	W
C1A	20191118	Sunny	Moderate	Mid-Flood	Middle	6.0	10:21	6.9	8.03	30.07	26.56	2.33	5	113	0.219	W
C1A	20191118	Sunny	Moderate	Mid-Flood	Middle	6.0	10:21	7.11	7.8	30.26	26.71	2.54	6	112	0.175	W
C1A	20191118	Sunny	Moderate	Mid-Flood	Surface	1.0	10:22	6.93	8.01	30.53	26.57	2.11	6	112	0.306	NW
C1A	20191118	Sunny	Moderate	Mid-Flood	Surface	1.0	10:22	6.93	7.83	30.06	26.87	2.54	6	112	0.172	W
C2A	20191118	Sunny	Moderate	Mid-Flood	Bottom	11.0	09:41	7.11	7.97	30.14	26.32	2.72	5	111	0.308	W
C2A	20191118	Sunny	Moderate	Mid-Flood	Bottom	11.0	09:41	6.96	7.92	30.08	26.25	2.74	6	112	0.152	NW
C2A	20191118	Sunny	Moderate	Mid-Flood	Middle	6.0	09:42	6.95	7.97	30.45	26.49	2.49	4	113	0.223	W
C2A	20191118	Sunny	Moderate	Mid-Flood	Middle	6.0	09:42	7.11	7.98	30.54	26.5	2.22	5	111	0.171	W
C2A	20191118	Sunny	Moderate	Mid-Flood	Surface	1.0	09:43	6.93	7.85	30.59	26.1	2.32	4	112	0.24	W
C2A	20191118	Sunny	Moderate	Mid-Flood	Surface	1.0	09:43	6.9	7.8	30.14	26.37	2.22	3	112	0.149	W
CR1	20191118	Sunny	Moderate	Mid-Flood	Bottom	11.2	10:01	7.03	7.88	30.46	26.53	2.79	5	113	0.306	NW
CR1	20191118	Sunny	Moderate	Mid-Flood	Bottom	11.2	10:01	7.08	8	29.98	26.57	2.97	4	113	0.259	W
CR1	20191118	Sunny	Moderate	Mid-Flood	Middle	6.1	10:02	7.11	7.94	30.53	26.45	2.71	4	112	0.194	W
CR1	20191118	Sunny	Moderate	Mid-Flood	Middle	6.1	10:02	7.11	7.82	30.14	26.53	2.63	5	113	0.277	NW
CR1	20191118	Sunny	Moderate	Mid-Flood	Surface	1.0	10:03	7.05	7.8	30.1	26.6	2.34	4	112	0.262	W
CR1	20191118	Sunny	Moderate	Mid-Flood	Surface	1.0	10:03	6.92	7.85	30.05	26.4	2.07	4	112	0.185	W
CR2	20191118	Sunny	Moderate	Mid-Flood	Bottom	9.9	11:51	7.02	7.82	29.91	27.18	2.81	6	113	0.264	W
CR2	20191118	Sunny	Moderate	Mid-Flood	Bottom	9.9	11:51	7.05	7.9	30.57	26.94	2.69	5	113	0.163	W
CR2	20191118	Sunny	Moderate	Mid-Flood	Middle	5.5	11:52	6.99	7.86	29.98	26.93	2.14	5	113	0.155	W
CR2	20191118	Sunny	Moderate	Mid-Flood	Middle	5.5	11:52	6.87	7.94	30.64	27.01	2.32	6	113	0.158	W
CR2	20191118	Sunny	Moderate	Mid-Flood	Surface	1.0	11:53	7.02	7.83	30.46	26.95	1.97	4	113	0.317	W
CR2	20191118	Sunny	Moderate	Mid-Flood	Surface	1.0	11:53	6.86	7.81	30.62	27.18	2.08	4	112	0.192	W
F1A	20191118	Sunny	Moderate	Mid-Flood	Bottom	6.9	11:31	7.04	8.01	29.96	27.09	2.63	6	114	0.224	NW
F1A	20191118	Sunny	Moderate	Mid-Flood	Bottom	6.9	11:31	6.93	7.96	30.54	27.17	3.02	6	112	0.222	W
F1A	20191118	Sunny	Moderate	Mid-Flood	Middle	4.0	11:32	6.92	7.91	30.65	26.91	2.52	6	113	0.315	W
F1A	20191118	Sunny	Moderate	Mid-Flood	Middle	4.0	11:32	7.08	7.99	30.2	27.02	2.33	5	112	0.236	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
F1A	20191118	Sunny	Moderate	Mid-Flood	Surface	1.0	11:33	6.94	7.92	30.44	27.26	2.19	5	112	0.295	W
F1A	20191118	Sunny	Moderate	Mid-Flood	Surface	1.0	11:33	6.9	7.84	29.98	26.98	2.27	6	112	0.242	W
H1	20191118	Sunny	Moderate	Mid-Flood	Bottom	7.4	10:27	7.08	7.92	30.21	26.89	2.71	8	112	0.234	W
H1	20191118	Sunny	Moderate	Mid-Flood	Bottom	7.4	10:27	6.96	7.95	30.21	26.85	3.03	8	111	0.194	W
H1	20191118	Sunny	Moderate	Mid-Flood	Middle	4.2	10:28	7.08	7.81	30.65	26.74	2.46	6	112	0.203	W
H1	20191118	Sunny	Moderate	Mid-Flood	Middle	4.2	10:28	6.97	8.01	30.07	26.59	2.22	6	111	0.319	W
H1	20191118	Sunny	Moderate	Mid-Flood	Surface	1.0	10:29	6.86	7.8	30.41	26.92	2.07	4	112	0.227	W
H1	20191118	Sunny	Moderate	Mid-Flood	Surface	1.0	10:29	7.01	7.81	30.35	26.76	2.15	4	111	0.283	NW
M1	20191118	Sunny	Moderate	Mid-Flood	Bottom	7.3	12:09	7.13	7.95	30.51	27.11	2.94	7	113	0.212	NW
M1	20191118	Sunny	Moderate	Mid-Flood	Bottom	7.3	12:09	7.05	7.97	30.2	27.34	2.68	5	113	0.15	W
M1	20191118	Sunny	Moderate	Mid-Flood	Middle	4.2	12:10	6.97	8.02	30.27	27.23	2.71	5	113	0.236	W
M1	20191118	Sunny	Moderate	Mid-Flood	Middle	4.2	12:10	7.11	8.03	30.52	27.31	2.42	5	112	0.199	W
M1	20191118	Sunny	Moderate	Mid-Flood	Surface	1.0	12:11	7.07	7.95	30.06	27.17	2.45	5	113	0.19	W
M1	20191118	Sunny	Moderate	Mid-Flood	Surface	1.0	12:11	6.92	8.01	30.57	27.14	2.44	5	113	0.173	W
S1	20191118	Sunny	Moderate	Mid-Flood	Bottom	4.0	10:58	7.01	7.87	30.36	26.7	2.71	4	112	0.185	NW
S1	20191118	Sunny	Moderate	Mid-Flood	Bottom	4.0	10:58	7.04	7.89	30.35	26.95	2.95	5	113	0.144	W
S1	20191118	Sunny	Moderate	Mid-Flood	Surface	1.0	10:59	6.91	7.83	30.61	26.73	2.01	4	111	0.152	W
S1	20191118	Sunny	Moderate	Mid-Flood	Surface	1.0	10:59	6.95	7.88	30.4	26.96	2.47	4	113	0.184	W
S2A	20191118	Sunny	Moderate	Mid-Flood	Bottom	8.6	11:28	7.05	7.88	30.1	26.95	2.76	5	112	0.205	W
S2A	20191118	Sunny	Moderate	Mid-Flood	Bottom	8.6	11:28	6.99	7.94	30.6	26.89	2.68	5	111	0.304	W
S2A	20191118	Sunny	Moderate	Mid-Flood	Middle	4.8	11:29	7.13	7.94	30.22	27.06	2.65	5	111	0.144	W
S2A	20191118	Sunny	Moderate	Mid-Flood	Middle	4.8	11:29	7.08	7.98	29.93	27.01	2.14	5	112	0.199	W
S2A	20191118	Sunny	Moderate	Mid-Flood	Surface	1.0	11:30	7.08	7.81	30.04	26.97	2.19	4	112	0.177	W
S2A	20191118	Sunny	Moderate	Mid-Flood	Surface	1.0	11:30	7.13	7.8	29.98	27.04	2.41	4	113	0.322	W
S3	20191118	Sunny	Moderate	Mid-Flood	Bottom	9.2	12:02	6.96	7.82	30.36	27.2	3.14	5	112	0.191	W
S3	20191118	Sunny	Moderate	Mid-Flood	Bottom	9.2	12:02	6.89	8	30.66	27.17	3.07	6	112	0.146	W
S3	20191118	Sunny	Moderate	Mid-Flood	Middle	5.1	12:03	7.09	8	30.31	27.3	2.28	5	112	0.244	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	20191118	Sunny	Moderate	Mid-Flood	Middle	5.1	12:03	6.89	7.99	30.58	27.34	2.37	4	111	0.211	W
S3	20191118	Sunny	Moderate	Mid-Flood	Surface	1.0	12:04	6.89	7.85	30.03	26.99	2.11	4	112	0.246	W
S3	20191118	Sunny	Moderate	Mid-Flood	Surface	1.0	12:04	7.03	7.84	30.17	27.04	2.27	4	112	0.241	NW
B1	20191118	Sunny	Moderate	Mid-Ebb	Bottom	3.5	14:48	7.22	7.84	31.05	26.96	2.39	6	113	0.189	SE
B1	20191118	Sunny	Moderate	Mid-Ebb	Bottom	3.5	14:48	7.16	7.81	30.89	26.66	2.64	6	113	0.188	SE
B1	20191118	Sunny	Moderate	Mid-Ebb	Surface	1.0	14:49	7.34	7.77	31.02	26.98	2.12	6	113	0.142	SE
B1	20191118	Sunny	Moderate	Mid-Ebb	Surface	1.0	14:49	7.33	7.79	30.96	27.15	1.85	6	113	0.218	SE
B2	20191118	Sunny	Moderate	Mid-Ebb	Bottom	4.2	15:08	7.39	7.85	30.87	27	2.72	5	113	0.273	SE
B2	20191118	Sunny	Moderate	Mid-Ebb	Bottom	4.2	15:08	7.27	7.89	31.01	26.65	2.6	6	113	0.192	SE
B2	20191118	Sunny	Moderate	Mid-Ebb	Surface	1.0	15:09	7.24	7.84	31.1	26.78	2.41	4	114	0.152	SE
B2	20191118	Sunny	Moderate	Mid-Ebb	Surface	1.0	15:09	7.04	7.93	30.96	27.06	2.09	4	113	0.199	SE
B3	20191118	Sunny	Moderate	Mid-Ebb	Bottom	4.3	16:25	7.24	7.79	30.89	26.89	2.55	5	112	0.18	SE
B3	20191118	Sunny	Moderate	Mid-Ebb	Bottom	4.3	16:25	6.97	7.76	31.11	26.66	2.68	6	113	0.242	SE
B3	20191118	Sunny	Moderate	Mid-Ebb	Surface	1.0	16:26	7.07	7.76	30.9	26.98	2	6	114	0.278	E
B3	20191118	Sunny	Moderate	Mid-Ebb	Surface	1.0	16:26	6.93	7.9	31.11	26.86	2.35	5	112	0.188	E
B4	20191118	Sunny	Moderate	Mid-Ebb	Bottom	3.1	16:36	7.13	7.87	31.07	26.91	2.53	4	112	0.231	E
B4	20191118	Sunny	Moderate	Mid-Ebb	Bottom	3.1	16:36	7.25	7.91	30.9	26.85	2.62	5	114	0.205	SE
B4	20191118	Sunny	Moderate	Mid-Ebb	Surface	1.0	16:37	7.09	7.86	30.94	26.72	1.88	4	112	0.264	SE
B4	20191118	Sunny	Moderate	Mid-Ebb	Surface	1.0	16:37	7.2	7.81	31.06	26.94	2.03	5	113	0.132	SE
C1A	20191118	Sunny	Moderate	Mid-Ebb	Bottom	8.9	14:24	7.17	7.89	30.88	26.7	2.94	5	113	0.139	SE
C1A	20191118	Sunny	Moderate	Mid-Ebb	Bottom	8.9	14:24	7.39	7.79	31	26.87	2.52	5	113	0.156	SE
C1A	20191118	Sunny	Moderate	Mid-Ebb	Middle	5.0	14:25	6.94	7.92	30.83	26.99	2.42	6	112	0.26	SE
C1A	20191118	Sunny	Moderate	Mid-Ebb	Middle	5.0	14:25	7.2	7.77	30.89	27.02	1.96	5	112	0.145	SE
C1A	20191118	Sunny	Moderate	Mid-Ebb	Surface	1.0	14:26	7.11	7.81	31.09	26.82	2.34	6	112	0.156	SE
C1A	20191118	Sunny	Moderate	Mid-Ebb	Surface	1.0	14:26	7.08	7.85	31.03	27.05	2.21	7	112	0.269	SE
C2A	20191118	Sunny	Moderate	Mid-Ebb	Bottom	11.3	15:27	7.29	7.76	30.96	26.82	2.52	4	112	0.229	E
C2A	20191118	Sunny	Moderate	Mid-Ebb	Bottom	11.3	15:27	7.15	7.79	31.09	26.72	2.7	5	113	0.173	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
C2A	20191118	Sunny	Moderate	Mid-Ebb	Middle	6.2	15:28	6.93	7.81	30.89	27	2.19	5	112	0.226	E
C2A	20191118	Sunny	Moderate	Mid-Ebb	Middle	6.2	15:28	7.07	7.86	31.07	26.67	2.37	6	112	0.255	SE
C2A	20191118	Sunny	Moderate	Mid-Ebb	Surface	1.0	15:29	7.23	7.78	30.9	27.05	2	6	113	0.247	SE
C2A	20191118	Sunny	Moderate	Mid-Ebb	Surface	1.0	15:29	7.09	7.94	30.82	26.78	2.09	7	112	0.232	SE
CR1	20191118	Sunny	Moderate	Mid-Ebb	Bottom	11.4	15:47	7	7.94	30.9	27	2.38	4	112	0.146	E
CR1	20191118	Sunny	Moderate	Mid-Ebb	Bottom	11.4	15:47	7.1	7.76	30.9	26.67	2.79	3	113	0.252	SE
CR1	20191118	Sunny	Moderate	Mid-Ebb	Middle	6.2	15:48	7.05	7.83	30.96	27.06	2.34	4	112	0.259	SE
CR1	20191118	Sunny	Moderate	Mid-Ebb	Middle	6.2	15:48	7.28	7.79	30.9	26.65	2.07	4	112	0.258	SE
CR1	20191118	Sunny	Moderate	Mid-Ebb	Surface	1.0	15:49	7.11	7.88	31.09	26.75	1.85	5	112	0.271	SE
CR1	20191118	Sunny	Moderate	Mid-Ebb	Surface	1.0	15:49	7.13	7.93	30.98	26.92	2	5	113	0.261	SE
CR2	20191118	Sunny	Moderate	Mid-Ebb	Bottom	10.4	15:52	7.1	7.82	30.96	26.56	2.5	5	113	0.139	E
CR2	20191118	Sunny	Moderate	Mid-Ebb	Bottom	10.4	15:52	7.26	7.87	30.81	26.73	2.86	5	112	0.272	SE
CR2	20191118	Sunny	Moderate	Mid-Ebb	Middle	5.7	15:53	6.94	7.78	30.95	27.1	2.4	4	113	0.141	E
CR2	20191118	Sunny	Moderate	Mid-Ebb	Middle	5.7	15:53	7.29	7.89	30.87	26.73	2.39	4	113	0.28	SE
CR2	20191118	Sunny	Moderate	Mid-Ebb	Surface	1.0	15:54	7.13	7.79	30.91	26.91	1.85	3	112	0.232	SE
CR2	20191118	Sunny	Moderate	Mid-Ebb	Surface	1.0	15:54	7	7.81	30.93	26.62	2.3	3	112	0.145	SE
F1A	20191118	Sunny	Moderate	Mid-Ebb	Bottom	7.9	17:08	6.94	7.89	30.85	26.96	2.62	5	112	0.219	E
F1A	20191118	Sunny	Moderate	Mid-Ebb	Bottom	7.9	17:08	7.2	7.81	30.85	26.9	2.67	6	113	0.238	E
F1A	20191118	Sunny	Moderate	Mid-Ebb	Middle	4.5	17:09	7.25	7.88	30.93	26.64	2.38	5	112	0.253	SE
F1A	20191118	Sunny	Moderate	Mid-Ebb	Middle	4.5	17:09	7.34	7.8	30.84	26.58	2.05	6	113	0.116	E
F1A	20191118	Sunny	Moderate	Mid-Ebb	Surface	1.0	17:10	6.93	7.8	31.01	26.82	2.25	4	113	0.139	E
F1A	20191118	Sunny	Moderate	Mid-Ebb	Surface	1.0	17:10	7.09	7.88	30.98	26.92	2.41	3	112	0.251	SE
H1	20191118	Sunny	Moderate	Mid-Ebb	Bottom	6.8	16:08	6.98	7.91	30.82	26.78	2.64	6	112	0.131	SE
H1	20191118	Sunny	Moderate	Mid-Ebb	Bottom	6.8	16:08	7.06	7.8	30.84	26.97	2.69	6	113	0.219	E
H1	20191118	Sunny	Moderate	Mid-Ebb	Middle	3.9	16:09	6.93	7.87	31.01	26.56	2.45	6	112	0.174	SE
H1	20191118	Sunny	Moderate	Mid-Ebb	Middle	3.9	16:09	6.96	7.76	30.89	26.61	2.22	5	113	0.127	SE
H1	20191118	Sunny	Moderate	Mid-Ebb	Surface	1.0	16:10	7.05	7.83	30.98	27	2.23	5	112	0.207	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	20191118	Sunny	Moderate	Mid-Ebb	Surface	1.0	16:10	7.3	7.88	30.99	26.81	2.42	6	113	0.245	E
M1	20191118	Sunny	Moderate	Mid-Ebb	Bottom	7.9	17:44	7.05	7.87	30.85	26.78	2.39	5	112	0.136	SE
M1	20191118	Sunny	Moderate	Mid-Ebb	Bottom	7.9	17:44	7.09	7.89	31.06	26.51	2.61	5	113	0.185	SE
M1	20191118	Sunny	Moderate	Mid-Ebb	Middle	4.5	17:45	7.21	7.88	30.84	26.69	2	4	113	0.141	SE
M1	20191118	Sunny	Moderate	Mid-Ebb	Middle	4.5	17:45	6.93	7.85	31.12	26.8	2.42	4	113	0.281	SE
M1	20191118	Sunny	Moderate	Mid-Ebb	Surface	1.0	17:46	7.17	7.94	30.85	26.79	1.87	4	113	0.231	SE
M1	20191118	Sunny	Moderate	Mid-Ebb	Surface	1.0	17:46	7.31	7.86	30.83	26.62	1.87	3	113	0.267	SE
S1	20191118	Sunny	Moderate	Mid-Ebb	Bottom	4.1	14:59	7.27	7.86	31.04	26.96	2.38	5	112	0.128	E
S1	20191118	Sunny	Moderate	Mid-Ebb	Bottom	4.1	14:59	7.19	7.87	31.04	26.82	2.76	5	112	0.28	SE
S1	20191118	Sunny	Moderate	Mid-Ebb	Surface	1.0	15:00	7.17	7.88	30.84	26.88	2.23	5	113	0.138	E
S1	20191118	Sunny	Moderate	Mid-Ebb	Surface	1.0	15:00	7.08	7.81	31	26.76	2.18	5	112	0.132	SE
S2A	20191118	Sunny	Moderate	Mid-Ebb	Bottom	7.7	15:28	7.11	7.82	30.83	27.02	2.81	4	113	0.208	E
S2A	20191118	Sunny	Moderate	Mid-Ebb	Bottom	7.7	15:28	7.3	7.8	31.12	26.92	2.88	4	113	0.274	SE
S2A	20191118	Sunny	Moderate	Mid-Ebb	Middle	4.4	15:29	7.26	7.78	31	26.84	1.97	3	113	0.217	E
S2A	20191118	Sunny	Moderate	Mid-Ebb	Middle	4.4	15:29	6.99	7.78	31.06	26.95	1.95	4	112	0.188	SE
S2A	20191118	Sunny	Moderate	Mid-Ebb	Surface	1.0	15:30	7.38	7.88	31.01	27.06	1.98	3	113	0.26	E
S2A	20191118	Sunny	Moderate	Mid-Ebb	Surface	1.0	15:30	7.22	7.87	31.1	26.87	2.06	4	113	0.239	SE
S3	20191118	Sunny	Moderate	Mid-Ebb	Bottom	8.9	16:03	7	7.88	30.98	26.73	2.53	4	113	0.264	SE
S3	20191118	Sunny	Moderate	Mid-Ebb	Bottom	8.9	16:03	7.2	7.88	31.09	27.1	2.82	5	113	0.244	SE
S3	20191118	Sunny	Moderate	Mid-Ebb	Middle	5.0	16:04	7.09	7.85	31.04	26.75	2.13	5	112	0.147	SE
S3	20191118	Sunny	Moderate	Mid-Ebb	Middle	5.0	16:04	7.03	7.9	30.82	26.81	1.94	5	113	0.139	SE
S3	20191118	Sunny	Moderate	Mid-Ebb	Surface	1.0	16:05	7.33	7.8	30.93	27.06	2.11	4	113	0.276	E
S3	20191118	Sunny	Moderate	Mid-Ebb	Surface	1.0	16:05	7.34	7.85	30.97	26.76	2.44	6	113	0.132	E
B1	20191120	Cloudy	Moderate	Mid-Ebb	Bottom	3.8	08:28	7.26	7.9	30.25	24.16	3.34	7	114	0.248	SE
B1	20191120	Cloudy	Moderate	Mid-Ebb	Bottom	3.8	08:28	7.37	7.89	30.56	24.2	2.91	6	114	0.169	SE
B1	20191120	Cloudy	Moderate	Mid-Ebb	Surface	1.0	08:29	7.39	8.01	30.51	24.2	2.71	8	114	0.19	SE
B1	20191120	Cloudy	Moderate	Mid-Ebb	Surface	1.0	08:29	7.37	7.89	30.21	24.14	2.39	8	114	0.222	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
B2	20191120	Cloudy	Moderate	Mid-Ebb	Bottom	4.4	08:48	7.53	7.83	30.47	24.6	3.32	5	114	0.245	E
B2	20191120	Cloudy	Moderate	Mid-Ebb	Bottom	4.4	08:48	7.49	8.08	30.29	24.54	3.06	6	114	0.251	SE
B2	20191120	Cloudy	Moderate	Mid-Ebb	Surface	1.0	08:49	7.49	7.94	30.3	24.55	2.69	7	114	0.214	E
B2	20191120	Cloudy	Moderate	Mid-Ebb	Surface	1.0	08:49	7.46	7.82	30.15	24.61	2.59	8	114	0.232	SE
B3	20191120	Cloudy	Moderate	Mid-Ebb	Bottom	4.3	09:32	7.38	8.01	30.32	24.75	3.04	9	114	0.24	SE
B3	20191120	Cloudy	Moderate	Mid-Ebb	Bottom	4.3	09:32	7.24	8.03	30.21	24.79	3.06	8	115	0.205	SE
B3	20191120	Cloudy	Moderate	Mid-Ebb	Surface	1.0	09:33	7.42	8.1	30.37	24.74	2.47	11	114	0.196	E
B3	20191120	Cloudy	Moderate	Mid-Ebb	Surface	1.0	09:33	7.67	7.97	30.25	24.84	2.56	12	114	0.199	SE
B4	20191120	Cloudy	Moderate	Mid-Ebb	Bottom	3.1	09:43	7.59	8.13	30.43	24.85	3.12	7	113	0.169	SE
B4	20191120	Cloudy	Moderate	Mid-Ebb	Bottom	3.1	09:43	7.51	7.93	30.42	24.74	3.02	6	114	0.241	E
B4	20191120	Cloudy	Moderate	Mid-Ebb	Surface	1.0	09:44	7.61	7.99	30.27	24.72	2.67	9	114	0.192	E
B4	20191120	Cloudy	Moderate	Mid-Ebb	Surface	1.0	09:44	7.59	7.96	30.4	24.76	2.56	10	113	0.23	SE
C1A	20191120	Cloudy	Moderate	Mid-Ebb	Bottom	9.3	08:00	7.61	7.92	30.2	24.03	3.09	5	114	0.18	SE
C1A	20191120	Cloudy	Moderate	Mid-Ebb	Bottom	9.3	08:00	7.58	7.91	30.53	24.1	3.05	4	114	0.225	SE
C1A	20191120	Cloudy	Moderate	Mid-Ebb	Middle	5.2	08:01	7.3	8.07	30.45	24.15	2.66	5	114	0.252	E
C1A	20191120	Cloudy	Moderate	Mid-Ebb	Middle	5.2	08:01	7.25	7.89	30.36	24.07	2.73	4	114	0.247	E
C1A	20191120	Cloudy	Moderate	Mid-Ebb	Surface	1.0	08:02	7.52	7.94	30.25	24.1	2.78	7	114	0.234	E
C1A	20191120	Cloudy	Moderate	Mid-Ebb	Surface	1.0	08:02	7.55	7.99	30.16	24.15	2.41	7	113	0.249	E
C2A	20191120	Cloudy	Moderate	Mid-Ebb	Bottom	11.0	08:54	7.28	7.83	30.44	24.62	3.11	7	114	0.222	E
C2A	20191120	Cloudy	Moderate	Mid-Ebb	Bottom	11.0	08:54	7.67	8.08	30.28	24.64	2.88	7	114	0.217	SE
C2A	20191120	Cloudy	Moderate	Mid-Ebb	Middle	6.0	08:55	7.51	7.91	30.51	24.6	2.89	5	114	0.206	SE
C2A	20191120	Cloudy	Moderate	Mid-Ebb	Middle	6.0	08:55	7.29	8.09	30.53	24.55	2.61	5	114	0.196	E
C2A	20191120	Cloudy	Moderate	Mid-Ebb	Surface	1.0	08:56	7.38	8.13	30.53	24.56	2.39	4	114	0.244	SE
C2A	20191120	Cloudy	Moderate	Mid-Ebb	Surface	1.0	08:56	7.4	8.07	30.25	24.56	2.36	4	113	0.234	SE
CR1	20191120	Cloudy	Moderate	Mid-Ebb	Bottom	12.6	08:38	7.46	7.97	30.24	24.5	3.33	10	114	0.19	SE
CR1	20191120	Cloudy	Moderate	Mid-Ebb	Bottom	12.6	08:38	7.26	7.97	30.28	24.39	2.86	11	114	0.171	SE
CR1	20191120	Cloudy	Moderate	Mid-Ebb	Middle	6.8	08:39	7.38	8.01	30.28	24.42	2.56	9	114	0.198	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	20191120	Cloudy	Moderate	Mid-Ebb	Middle	6.8	08:39	7.29	7.84	30.15	24.42	2.48	10	114	0.166	SE
CR1	20191120	Cloudy	Moderate	Mid-Ebb	Surface	1.0	08:40	7.23	7.96	30.55	24.44	2.41	6	113	0.248	E
CR1	20191120	Cloudy	Moderate	Mid-Ebb	Surface	1.0	08:40	7.66	7.83	30.45	24.38	2.72	7	114	0.22	E
CR2	20191120	Cloudy	Moderate	Mid-Ebb	Bottom	10.2	08:25	7.65	8	30.48	24.15	2.89	9	114	0.215	E
CR2	20191120	Cloudy	Moderate	Mid-Ebb	Bottom	10.2	08:25	7.43	8.09	30.43	24.09	3.23	10	114	0.166	SE
CR2	20191120	Cloudy	Moderate	Mid-Ebb	Middle	5.6	08:26	7.5	8.13	30.13	24.19	2.41	7	114	0.228	E
CR2	20191120	Cloudy	Moderate	Mid-Ebb	Middle	5.6	08:26	7.25	8.03	30.33	24.13	2.87	7	113	0.223	E
CR2	20191120	Cloudy	Moderate	Mid-Ebb	Surface	1.0	08:27	7.49	8.07	30.36	24.11	2.42	7	114	0.193	SE
CR2	20191120	Cloudy	Moderate	Mid-Ebb	Surface	1.0	08:27	7.29	8.09	30.52	24.17	2.32	8	114	0.197	SE
F1A	20191120	Cloudy	Moderate	Mid-Ebb	Bottom	7.1	09:26	7.61	8.07	30.59	24.74	3.06	2	114	0.231	SE
F1A	20191120	Cloudy	Moderate	Mid-Ebb	Bottom	7.1	09:26	7.33	7.99	30.12	24.57	3.24	3	114	0.188	SE
F1A	20191120	Cloudy	Moderate	Mid-Ebb	Middle	4.1	09:27	7.33	7.9	30.56	24.56	2.57	3	114	0.216	SE
F1A	20191120	Cloudy	Moderate	Mid-Ebb	Middle	4.1	09:27	7.56	8.12	30.14	24.59	2.54	3	114	0.212	SE
F1A	20191120	Cloudy	Moderate	Mid-Ebb	Surface	1.0	09:28	7.57	7.97	30.25	24.5	2.86	5	114	0.207	SE
F1A	20191120	Cloudy	Moderate	Mid-Ebb	Surface	1.0	09:28	7.56	8	30.39	24.6	2.59	6	114	0.232	SE
H1	20191120	Cloudy	Moderate	Mid-Ebb	Bottom	7.3	08:01	7.57	8.13	30.13	24.13	3.3	3	113	0.193	SE
H1	20191120	Cloudy	Moderate	Mid-Ebb	Bottom	7.3	08:01	7.61	7.83	30.22	24.14	3.19	3	114	0.199	SE
H1	20191120	Cloudy	Moderate	Mid-Ebb	Middle	4.2	08:02	7.32	8	30.37	24.15	2.62	3	114	0.186	SE
H1	20191120	Cloudy	Moderate	Mid-Ebb	Middle	4.2	08:02	7.32	7.86	30.15	24.07	2.56	3	115	0.221	SE
H1	20191120	Cloudy	Moderate	Mid-Ebb	Surface	1.0	08:03	7.42	7.94	30.51	24.13	2.34	6	114	0.229	SE
H1	20191120	Cloudy	Moderate	Mid-Ebb	Surface	1.0	08:03	7.44	8.04	30.53	24.02	2.82	6	114	0.235	E
M1	20191120	Cloudy	Moderate	Mid-Ebb	Bottom	8.9	09:49	7.36	7.96	30.35	24.76	3.42	8	114	0.205	SE
M1	20191120	Cloudy	Moderate	Mid-Ebb	Bottom	8.9	09:49	7.58	7.98	30.3	24.69	2.99	9	113	0.247	SE
M1	20191120	Cloudy	Moderate	Mid-Ebb	Middle	5.0	09:50	7.59	8.13	30.53	24.65	2.4	9	114	0.2	E
M1	20191120	Cloudy	Moderate	Mid-Ebb	Middle	5.0	09:50	7.43	7.87	30.49	24.52	2.34	8	114	0.2	SE
M1	20191120	Cloudy	Moderate	Mid-Ebb	Surface	1.0	09:51	7.57	7.89	30.24	24.56	2.82	7	114	0.219	E
M1	20191120	Cloudy	Moderate	Mid-Ebb	Surface	1.0	09:51	7.63	7.91	30.51	24.74	2.61	8	114	0.189	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	20191120	Cloudy	Moderate	Mid-Ebb	Bottom	4.1	08:38	7.45	8.08	30.27	24.4	3.12	6	114	0.236	SE
S1	20191120	Cloudy	Moderate	Mid-Ebb	Bottom	4.1	08:38	7.62	8.07	30.32	24.42	3.14	6	114	0.247	SE
S1	20191120	Cloudy	Moderate	Mid-Ebb	Surface	1.0	08:39	7.63	7.87	30.47	24.38	2.43	8	114	0.248	SE
S1	20191120	Cloudy	Moderate	Mid-Ebb	Surface	1.0	08:39	7.22	8.03	30.3	24.48	2.83	8	114	0.189	E
S2A	20191120	Cloudy	Moderate	Mid-Ebb	Bottom	8.0	09:10	7.39	8.14	30.48	24.66	3.17	8	114	0.202	E
S2A	20191120	Cloudy	Moderate	Mid-Ebb	Bottom	8.0	09:10	7.42	8	30.13	24.66	3.05	8	114	0.243	SE
S2A	20191120	Cloudy	Moderate	Mid-Ebb	Middle	4.5	09:11	7.37	8.08	30.33	24.67	2.74	7	114	0.173	SE
S2A	20191120	Cloudy	Moderate	Mid-Ebb	Middle	4.5	09:11	7.68	7.99	30.44	24.74	2.92	7	114	0.243	SE
S2A	20191120	Cloudy	Moderate	Mid-Ebb	Surface	1.0	09:12	7.66	7.9	30.39	24.71	2.7	8	114	0.212	SE
S2A	20191120	Cloudy	Moderate	Mid-Ebb	Surface	1.0	09:12	7.53	7.91	30.29	24.7	2.87	7	113	0.203	E
S3	20191120	Cloudy	Moderate	Mid-Ebb	Bottom	9.6	08:17	7.29	7.85	30.15	24.19	3.09	8	115	0.191	E
S3	20191120	Cloudy	Moderate	Mid-Ebb	Bottom	9.6	08:17	7.35	7.85	30.29	24.15	3.3	9	114	0.247	SE
S3	20191120	Cloudy	Moderate	Mid-Ebb	Middle	5.3	08:18	7.27	8.08	30.5	24.09	2.41	7	114	0.167	SE
S3	20191120	Cloudy	Moderate	Mid-Ebb	Middle	5.3	08:18	7.26	8.01	30.47	24.14	2.73	8	114	0.242	E
S3	20191120	Cloudy	Moderate	Mid-Ebb	Surface	1.0	08:19	7.6	7.85	30.54	24.13	2.66	6	115	0.168	SE
S3	20191120	Cloudy	Moderate	Mid-Ebb	Surface	1.0	08:19	7.22	8.09	30.45	24.15	2.64	6	113	0.187	E
B1	20191120	Cloudy	Moderate	Mid-Flood	Bottom	3.8	13:29	7.31	7.96	30.15	25.38	3.46	3	114	0.212	W
B1	20191120	Cloudy	Moderate	Mid-Flood	Bottom	3.8	13:29	7.37	7.85	30.07	25.4	3.28	2	114	0.23	W
B1	20191120	Cloudy	Moderate	Mid-Flood	Surface	1.0	13:30	7.21	7.83	30.23	25.38	2.4	4	114	0.235	W
B1	20191120	Cloudy	Moderate	Mid-Flood	Surface	1.0	13:30	7.19	8.05	30.33	25.35	2.46	4	113	0.265	W
B2	20191120	Cloudy	Moderate	Mid-Flood	Bottom	3.9	13:49	7.31	8	30.27	25.29	3.18	5	113	0.267	NW
B2	20191120	Cloudy	Moderate	Mid-Flood	Bottom	3.9	13:49	7.31	8.06	30.41	25.32	2.95	4	114	0.262	W
B2	20191120	Cloudy	Moderate	Mid-Flood	Surface	1.0	13:50	7.2	7.96	30.22	25.4	2.44	3	114	0.214	W
B2	20191120	Cloudy	Moderate	Mid-Flood	Surface	1.0	13:50	7.11	8.07	30.46	25.33	2.75	2	114	0.268	NW
B3	20191120	Cloudy	Moderate	Mid-Flood	Bottom	4.2	14:33	7.41	8.11	30.27	25.39	3.32	3	114	0.289	W
B3	20191120	Cloudy	Moderate	Mid-Flood	Bottom	4.2	14:33	7.23	8.09	30.26	25.5	3.28	2	114	0.273	W
B3	20191120	Cloudy	Moderate	Mid-Flood	Surface	1.0	14:34	7.41	7.87	30.63	25.52	2.58	3	114	0.265	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	20191120	Cloudy	Moderate	Mid-Flood	Surface	1.0	14:34	7.18	7.95	30.09	25.47	2.75	3	114	0.261	W
B4	20191120	Cloudy	Moderate	Mid-Flood	Bottom	3.8	14:44	7.21	7.91	30.1	25.46	3.16	6	113	0.295	NW
B4	20191120	Cloudy	Moderate	Mid-Flood	Bottom	3.8	14:44	7.4	7.84	30.07	25.44	3.57	6	114	0.208	NW
B4	20191120	Cloudy	Moderate	Mid-Flood	Surface	1.0	14:45	7.24	7.91	30.6	25.33	2.57	3	114	0.266	W
B4	20191120	Cloudy	Moderate	Mid-Flood	Surface	1.0	14:45	7.17	8.09	30.21	25.41	2.96	4	114	0.279	NW
C1A	20191120	Cloudy	Moderate	Mid-Flood	Bottom	8.9	13:03	7.29	7.88	30.61	25.25	3.12	8	114	0.288	W
C1A	20191120	Cloudy	Moderate	Mid-Flood	Bottom	8.9	13:03	7.15	8.11	30.22	25.21	2.98	10	113	0.217	W
C1A	20191120	Cloudy	Moderate	Mid-Flood	Middle	5.0	13:04	7.13	8.05	30.39	25.23	2.71	7	114	0.227	W
C1A	20191120	Cloudy	Moderate	Mid-Flood	Middle	5.0	13:04	7.33	8.06	30.46	25.17	3.1	7	114	0.285	W
C1A	20191120	Cloudy	Moderate	Mid-Flood	Surface	1.0	13:05	7.19	8.12	30.37	25.18	2.37	5	113	0.27	W
C1A	20191120	Cloudy	Moderate	Mid-Flood	Surface	1.0	13:05	7.29	8.08	30.39	25.19	2.85	6	113	0.295	W
C2A	20191120	Cloudy	Moderate	Mid-Flood	Bottom	10.4	12:20	7.2	7.95	30.11	25.26	3.27	4	113	0.276	W
C2A	20191120	Cloudy	Moderate	Mid-Flood	Bottom	10.4	12:20	7.22	8.1	30	25.19	3.37	5	114	0.209	W
C2A	20191120	Cloudy	Moderate	Mid-Flood	Middle	5.7	12:21	7.16	8.09	30.54	25.1	2.76	6	114	0.277	W
C2A	20191120	Cloudy	Moderate	Mid-Flood	Middle	5.7	12:21	7.14	8.11	30.43	25.24	3	6	114	0.21	W
C2A	20191120	Cloudy	Moderate	Mid-Flood	Surface	1.0	12:22	7.35	7.91	30.15	25.1	2.59	7	114	0.284	W
C2A	20191120	Cloudy	Moderate	Mid-Flood	Surface	1.0	12:22	7.13	7.98	30.35	25.12	2.74	6	113	0.205	NW
CR1	20191120	Cloudy	Moderate	Mid-Flood	Bottom	11.1	12:41	7.19	8	30.11	25.16	2.89	4	114	0.263	W
CR1	20191120	Cloudy	Moderate	Mid-Flood	Bottom	11.1	12:41	7.24	7.88	30.33	25.02	3.38	3	113	0.234	W
CR1	20191120	Cloudy	Moderate	Mid-Flood	Middle	6.1	12:42	7.36	7.86	30.16	25.15	3.09	3	114	0.246	W
CR1	20191120	Cloudy	Moderate	Mid-Flood	Middle	6.1	12:42	7.15	7.98	30.54	25.19	2.76	2	114	0.228	NW
CR1	20191120	Cloudy	Moderate	Mid-Flood	Surface	1.0	12:43	7.11	8.01	30.23	25.05	2.81	3	114	0.225	W
CR1	20191120	Cloudy	Moderate	Mid-Flood	Surface	1.0	12:43	7.2	7.97	30.47	25.13	2.92	3	114	0.214	W
CR2	20191120	Cloudy	Moderate	Mid-Flood	Bottom	10.2	13:12	7.2	7.88	30.14	25.35	3.2	10	114	0.238	W
CR2	20191120	Cloudy	Moderate	Mid-Flood	Bottom	10.2	13:12	7.11	7.83	30.29	25.26	3.24	9	115	0.264	W
CR2	20191120	Cloudy	Moderate	Mid-Flood	Middle	5.6	13:13	7.2	7.96	30	25.35	2.59	7	114	0.293	NW
CR2	20191120	Cloudy	Moderate	Mid-Flood	Middle	5.6	13:13	7.21	8.11	30.27	25.26	3.06	6	114	0.266	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	20191120	Cloudy	Moderate	Mid-Flood	Surface	1.0	13:14	7.14	8.06	30.58	25.25	2.73	4	113	0.287	NW
CR2	20191120	Cloudy	Moderate	Mid-Flood	Surface	1.0	13:14	7.38	7.86	30.01	25.36	2.88	5	114	0.297	W
F1A	20191120	Cloudy	Moderate	Mid-Flood	Bottom	7.4	14:19	7.11	8.03	30.29	25.32	3.03	5	114	0.201	NW
F1A	20191120	Cloudy	Moderate	Mid-Flood	Bottom	7.4	14:19	7.12	8.12	30.42	25.33	3.41	5	114	0.231	W
F1A	20191120	Cloudy	Moderate	Mid-Flood	Middle	4.2	14:20	7.33	8.07	30.15	25.36	2.97	4	114	0.267	W
F1A	20191120	Cloudy	Moderate	Mid-Flood	Middle	4.2	14:20	7.41	7.89	30.36	25.29	2.71	4	113	0.204	W
F1A	20191120	Cloudy	Moderate	Mid-Flood	Surface	1.0	14:21	7.21	7.93	30.2	25.4	2.81	4	113	0.263	W
F1A	20191120	Cloudy	Moderate	Mid-Flood	Surface	1.0	14:21	7.39	7.9	30.09	25.31	2.36	3	114	0.302	W
H1	20191120	Cloudy	Moderate	Mid-Flood	Bottom	7.5	13:30	7.21	7.98	30.51	25.29	3.18	4	113	0.267	W
H1	20191120	Cloudy	Moderate	Mid-Flood	Bottom	7.5	13:30	7.16	7.91	30.53	25.34	3.3	4	114	0.297	W
H1	20191120	Cloudy	Moderate	Mid-Flood	Middle	4.3	13:31	7.12	7.97	30.18	25.33	2.72	3	114	0.268	W
H1	20191120	Cloudy	Moderate	Mid-Flood	Middle	4.3	13:31	7.33	8.11	30.02	25.35	2.72	3	115	0.268	W
H1	20191120	Cloudy	Moderate	Mid-Flood	Surface	1.0	13:32	7.11	8.06	30.05	25.39	2.6	3	113	0.237	W
H1	20191120	Cloudy	Moderate	Mid-Flood	Surface	1.0	13:32	7.29	8.05	30.57	25.42	2.92	3	114	0.28	W
M1	20191120	Cloudy	Moderate	Mid-Flood	Bottom	7.0	14:59	7.29	8.09	30.13	25.29	3.35	10	114	0.255	W
M1	20191120	Cloudy	Moderate	Mid-Flood	Bottom	7.0	14:59	7.24	8.04	30.12	25.25	3.36	8	114	0.243	NW
M1	20191120	Cloudy	Moderate	Mid-Flood	Middle	4.0	15:00	7.23	8.13	30.1	25.27	3.11	9	114	0.301	W
M1	20191120	Cloudy	Moderate	Mid-Flood	Middle	4.0	15:00	7.33	7.85	30.32	25.34	3.02	10	114	0.241	W
M1	20191120	Cloudy	Moderate	Mid-Flood	Surface	1.0	15:01	7.22	7.96	30.44	25.26	2.76	8	114	0.2	W
M1	20191120	Cloudy	Moderate	Mid-Flood	Surface	1.0	15:01	7.41	7.86	30.02	25.31	2.74	8	113	0.228	W
S1	20191120	Cloudy	Moderate	Mid-Flood	Bottom	4.3	15:39	7.24	7.91	30.35	25.28	3.36	3	114	0.217	NW
S1	20191120	Cloudy	Moderate	Mid-Flood	Bottom	4.3	15:39	7.39	7.95	30.29	25.29	3.42	2	113	0.306	NW
S1	20191120	Cloudy	Moderate	Mid-Flood	Surface	1.0	15:40	7.28	8	30.22	25.2	2.6	5	114	0.206	W
S1	20191120	Cloudy	Moderate	Mid-Flood	Surface	1.0	15:40	7.12	7.82	30.04	25.19	2.59	6	114	0.24	W
S2A	20191120	Cloudy	Moderate	Mid-Flood	Bottom	8.8	13:11	7.21	8.07	30.62	25.33	3	2	114	0.309	W
S2A	20191120	Cloudy	Moderate	Mid-Flood	Bottom	8.8	13:11	7.29	8.13	30.4	25.22	3.02	2	114	0.303	W
S2A	20191120	Cloudy	Moderate	Mid-Flood	Middle	4.9	13:12	7.32	7.94	30.57	25.37	2.62	3	114	0.228	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	20191120	Cloudy	Moderate	Mid-Flood	Middle	4.9	13:12	7.28	8.07	30.35	25.25	3.01	3	113	0.201	W
S2A	20191120	Cloudy	Moderate	Mid-Flood	Surface	1.0	13:13	7.35	7.88	30.65	25.27	2.83	3	114	0.265	W
S2A	20191120	Cloudy	Moderate	Mid-Flood	Surface	1.0	13:13	7.16	8.09	30.64	25.26	2.89	2	114	0.277	W
S3	20191120	Cloudy	Moderate	Mid-Flood	Bottom	9.1	12:59	7.11	8.09	30.54	25.14	3.53	3	114	0.284	NW
S3	20191120	Cloudy	Moderate	Mid-Flood	Bottom	9.1	12:59	7.35	8.08	30.25	25.24	3.5	3	114	0.216	NW
S3	20191120	Cloudy	Moderate	Mid-Flood	Middle	5.1	13:00	7.25	8.08	30.16	25.25	3.1	3	114	0.289	W
S3	20191120	Cloudy	Moderate	Mid-Flood	Middle	5.1	13:00	7.3	8.12	30.57	25.31	2.57	3	113	0.267	W
S3	20191120	Cloudy	Moderate	Mid-Flood	Surface	1.0	13:01	7.29	7.95	30.07	25.26	2.51	3	114	0.288	NW
S3	20191120	Cloudy	Moderate	Mid-Flood	Surface	1.0	13:01	7.22	7.98	30.5	25.19	2.63	2	114	0.287	W
B1	20191122	Sunny	Moderate	Mid-Ebb	Bottom	4.0	09:30	6.87	8.01	30.33	24.33	2.94	11	114	0.179	E
B1	20191122	Sunny	Moderate	Mid-Ebb	Bottom	4.0	09:30	6.91	7.88	30.47	24.18	3.16	11	114	0.14	E
B1	20191122	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:31	7.05	7.89	30.59	24.25	2.85	9	114	0.168	SE
B1	20191122	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:31	7.12	7.98	30.3	24.32	2.75	9	115	0.208	E
B2	20191122	Sunny	Moderate	Mid-Ebb	Bottom	4.2	09:50	7.15	8.01	30.37	24.25	2.89	12	114	0.254	SE
B2	20191122	Sunny	Moderate	Mid-Ebb	Bottom	4.2	09:50	6.89	7.78	30.38	24.22	3.23	12	114	0.205	SE
B2	20191122	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:51	7.16	7.78	30.38	24.19	2.46	10	114	0.229	SE
B2	20191122	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:51	7.06	7.88	30.31	24.36	2.64	11	114	0.224	E
B3	20191122	Sunny	Moderate	Mid-Ebb	Bottom	3.5	10:31	6.84	7.82	30.52	24.62	3.35	9	114	0.193	E
B3	20191122	Sunny	Moderate	Mid-Ebb	Bottom	3.5	10:31	6.89	7.88	30.57	24.42	2.96	9	115	0.228	SE
B3	20191122	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:32	7.04	7.82	30.56	24.57	2.74	8	113	0.166	E
B3	20191122	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:32	7.12	7.93	30.5	24.75	2.44	9	115	0.258	E
B4	20191122	Sunny	Moderate	Mid-Ebb	Bottom	3.2	10:41	6.9	8.02	30.44	24.71	3.17	10	114	0.189	SE
B4	20191122	Sunny	Moderate	Mid-Ebb	Bottom	3.2	10:41	7.21	7.79	30.61	24.45	3.17	10	115	0.137	SE
B4	20191122	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:42	6.83	7.92	30.33	24.47	2.78	9	114	0.118	SE
B4	20191122	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:42	7	7.87	30.62	24.6	2.44	9	114	0.193	E
C1A	20191122	Sunny	Moderate	Mid-Ebb	Bottom	8.6	09:07	6.97	7.76	30.48	24.01	3.15	10	114	0.176	SE
C1A	20191122	Sunny	Moderate	Mid-Ebb	Bottom	8.6	09:07	7.07	8.04	30.33	23.96	3.17	9	114	0.185	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	20191122	Sunny	Moderate	Mid-Ebb	Middle	4.8	09:08	6.98	7.82	30.63	24.17	2.35	10	114	0.265	E
C1A	20191122	Sunny	Moderate	Mid-Ebb	Middle	4.8	09:08	7.27	7.79	30.47	24.05	2.83	9	114	0.144	E
C1A	20191122	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:09	7.14	7.76	30.38	24.02	2.35	12	114	0.249	SE
C1A	20191122	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:09	6.82	7.82	30.53	24.14	2.47	12	115	0.166	E
C2A	20191122	Sunny	Moderate	Mid-Ebb	Bottom	10.8	09:09	7.29	7.94	30.49	24.15	3.18	8	115	0.224	SE
C2A	20191122	Sunny	Moderate	Mid-Ebb	Bottom	10.8	09:09	6.86	7.79	30.59	24.14	3.02	10	115	0.221	SE
C2A	20191122	Sunny	Moderate	Mid-Ebb	Middle	5.9	09:10	6.93	7.93	30.41	24.15	2.68	6	114	0.156	SE
C2A	20191122	Sunny	Moderate	Mid-Ebb	Middle	5.9	09:10	7.12	7.84	30.43	24.14	2.65	6	114	0.244	E
C2A	20191122	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:11	6.87	7.99	30.59	24.06	2.54	6	114	0.268	SE
C2A	20191122	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:11	6.92	7.89	30.6	24.05	2.56	6	115	0.258	SE
CR1	20191122	Sunny	Moderate	Mid-Ebb	Bottom	11.6	09:25	7.03	7.75	30.51	24.1	3.2	12	115	0.229	SE
CR1	20191122	Sunny	Moderate	Mid-Ebb	Bottom	11.6	09:25	7.07	7.82	30.42	24.29	3.18	10	114	0.152	SE
CR1	20191122	Sunny	Moderate	Mid-Ebb	Middle	6.3	09:26	6.82	7.9	30.64	24.26	2.83	9	114	0.213	E
CR1	20191122	Sunny	Moderate	Mid-Ebb	Middle	6.3	09:26	6.82	7.99	30.41	24.22	2.44	8	114	0.133	SE
CR1	20191122	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:27	7.28	7.9	30.43	24.12	2.61	7	114	0.175	E
CR1	20191122	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:27	7.22	7.82	30.44	24.17	2.49	6	114	0.209	E
CR2	20191122	Sunny	Moderate	Mid-Ebb	Bottom	11.2	09:51	6.84	7.88	30.37	24.38	3.07	8	114	0.275	SE
CR2	20191122	Sunny	Moderate	Mid-Ebb	Bottom	11.2	09:51	7.01	7.9	30.66	24.16	3.29	7	114	0.226	SE
CR2	20191122	Sunny	Moderate	Mid-Ebb	Middle	6.1	09:52	7.18	7.97	30.59	24.39	2.84	6	115	0.25	E
CR2	20191122	Sunny	Moderate	Mid-Ebb	Middle	6.1	09:52	7.28	7.75	30.47	24.24	2.85	6	114	0.183	SE
CR2	20191122	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:53	7.15	7.94	30.33	24.35	2.71	6	114	0.128	SE
CR2	20191122	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:53	7.2	7.79	30.47	24.24	2.73	5	114	0.165	SE
F1A	20191122	Sunny	Moderate	Mid-Ebb	Bottom	7.2	10:56	7.04	7.78	30.33	24.53	3.3	9	115	0.22	SE
F1A	20191122	Sunny	Moderate	Mid-Ebb	Bottom	7.2	10:56	7.23	7.8	30.42	24.52	2.86	10	114	0.261	SE
F1A	20191122	Sunny	Moderate	Mid-Ebb	Middle	4.1	10:57	6.85	7.97	30.51	24.63	2.54	9	113	0.132	SE
F1A	20191122	Sunny	Moderate	Mid-Ebb	Middle	4.1	10:57	7.07	8.01	30.43	24.53	2.92	8	114	0.276	SE
F1A	20191122	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:58	6.85	7.8	30.32	24.44	2.64	7	115	0.178	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	20191122	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:58	6.97	7.82	30.5	24.6	2.81	7	114	0.182	SE
H1	20191122	Sunny	Moderate	Mid-Ebb	Bottom	8.0	10:08	7.02	7.74	30.65	24.36	3.17	10	115	0.26	E
H1	20191122	Sunny	Moderate	Mid-Ebb	Bottom	8.0	10:08	7.2	7.88	30.57	24.48	2.93	9	114	0.192	SE
H1	20191122	Sunny	Moderate	Mid-Ebb	Middle	4.5	10:09	7.12	7.98	30.61	24.25	2.57	11	114	0.273	SE
H1	20191122	Sunny	Moderate	Mid-Ebb	Middle	4.5	10:09	7.17	7.84	30.31	24.29	2.48	10	114	0.227	SE
H1	20191122	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:10	7.21	7.76	30.6	24.29	2.67	11	114	0.144	SE
H1	20191122	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:10	7.14	7.94	30.5	24.42	2.61	10	114	0.239	SE
M1	20191122	Sunny	Moderate	Mid-Ebb	Bottom	8.7	11:25	7.14	7.99	30.63	24.56	3.11	16	115	0.275	E
M1	20191122	Sunny	Moderate	Mid-Ebb	Bottom	8.7	11:25	7.27	7.81	30.43	24.78	2.99	16	114	0.154	SE
M1	20191122	Sunny	Moderate	Mid-Ebb	Middle	4.9	11:26	6.92	7.75	30.41	24.7	2.35	14	114	0.213	SE
M1	20191122	Sunny	Moderate	Mid-Ebb	Middle	4.9	11:26	7.06	7.94	30.44	24.55	2.85	13	114	0.244	E
M1	20191122	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:27	6.86	8.02	30.49	24.56	2.56	10	115	0.254	E
M1	20191122	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:27	7.14	7.85	30.45	24.76	2.41	10	115	0.165	SE
S1	20191122	Sunny	Moderate	Mid-Ebb	Bottom	4.2	09:40	6.87	7.98	30.39	24.25	2.94	8	115	0.258	E
S1	20191122	Sunny	Moderate	Mid-Ebb	Bottom	4.2	09:40	7.14	7.88	30.53	24.36	3.38	9	114	0.266	SE
S1	20191122	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:41	6.89	7.76	30.39	24.18	2.71	7	114	0.164	E
S1	20191122	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:41	7.25	7.93	30.66	24.23	2.88	8	113	0.209	SE
S2A	20191122	Sunny	Moderate	Mid-Ebb	Bottom	8.2	10:10	7.22	7.78	30.62	24.28	2.94	7	114	0.14	SE
S2A	20191122	Sunny	Moderate	Mid-Ebb	Bottom	8.2	10:10	7.21	8.03	30.5	24.38	3.28	8	114	0.187	SE
S2A	20191122	Sunny	Moderate	Mid-Ebb	Middle	4.6	10:11	6.96	8.02	30.59	24.35	2.42	6	114	0.14	SE
S2A	20191122	Sunny	Moderate	Mid-Ebb	Middle	4.6	10:11	6.9	7.94	30.37	24.29	2.78	6	113	0.234	SE
S2A	20191122	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:12	7.22	7.79	30.56	24.44	2.83	6	114	0.195	SE
S2A	20191122	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:12	6.85	7.93	30.53	24.33	2.62	6	114	0.202	SE
S3	20191122	Sunny	Moderate	Mid-Ebb	Bottom	9.5	09:41	6.95	7.89	30.34	24.18	2.95	13	115	0.168	E
S3	20191122	Sunny	Moderate	Mid-Ebb	Bottom	9.5	09:41	6.83	7.9	30.34	24.18	3.27	13	114	0.247	SE
S3	20191122	Sunny	Moderate	Mid-Ebb	Middle	5.3	09:42	7.17	7.94	30.56	24.38	2.69	10	114	0.266	SE
S3	20191122	Sunny	Moderate	Mid-Ebb	Middle	5.3	09:42	6.85	7.88	30.63	24.24	2.76	11	114	0.153	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
S3	20191122	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:43	6.86	8.03	30.63	24.21	2.53	5	114	0.271	SE
S3	20191122	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:43	7.03	7.82	30.39	24.26	2.8	4	114	0.281	SE
B1	20191122	Sunny	Moderate	Mid-Flood	Bottom	3.7	14:31	7.01	7.79	30.52	26.56	3.15	7	114	0.176	W
B1	20191122	Sunny	Moderate	Mid-Flood	Bottom	3.7	14:31	7.04	7.98	30.55	26.62	3.34	8	114	0.18	W
B1	20191122	Sunny	Moderate	Mid-Flood	Surface	1.0	14:32	6.8	8.03	30.41	26.6	2.63	6	115	0.313	W
B1	20191122	Sunny	Moderate	Mid-Flood	Surface	1.0	14:32	6.98	7.92	30.35	26.43	2.71	7	114	0.177	W
B2	20191122	Sunny	Moderate	Mid-Flood	Bottom	4.0	14:51	6.77	7.81	30.23	26.69	2.92	10	114	0.2	NW
B2	20191122	Sunny	Moderate	Mid-Flood	Bottom	4.0	14:51	6.82	8.02	30.27	26.45	2.94	10	113	0.241	W
B2	20191122	Sunny	Moderate	Mid-Flood	Surface	1.0	14:52	7.06	7.86	30.21	26.64	2.83	8	114	0.162	W
B2	20191122	Sunny	Moderate	Mid-Flood	Surface	1.0	14:52	7.03	7.82	30.23	26.6	2.55	8	114	0.15	W
B3	20191122	Sunny	Moderate	Mid-Flood	Bottom	3.8	15:32	6.85	7.79	30.55	26.59	3.43	12	113	0.229	W
B3	20191122	Sunny	Moderate	Mid-Flood	Bottom	3.8	15:32	6.78	7.99	30.33	26.44	3.31	11	113	0.315	W
B3	20191122	Sunny	Moderate	Mid-Flood	Surface	1.0	15:33	7.09	7.78	30.43	26.48	2.74	8	114	0.216	W
B3	20191122	Sunny	Moderate	Mid-Flood	Surface	1.0	15:33	7.08	7.8	30.43	26.52	2.71	8	115	0.219	W
B4	20191122	Sunny	Moderate	Mid-Flood	Bottom	4.1	15:42	6.81	7.97	30.37	26.33	3.4	11	114	0.151	W
B4	20191122	Sunny	Moderate	Mid-Flood	Bottom	4.1	15:42	6.76	7.95	30.55	26.37	3.54	10	114	0.174	W
B4	20191122	Sunny	Moderate	Mid-Flood	Surface	1.0	15:43	6.79	7.78	30.44	26.32	2.93	8	114	0.232	W
B4	20191122	Sunny	Moderate	Mid-Flood	Surface	1.0	15:43	6.9	7.89	30.52	26.54	2.48	8	115	0.271	NW
C1A	20191122	Sunny	Moderate	Mid-Flood	Bottom	10.5	14:08	6.91	7.9	30.35	26.52	2.93	11	114	0.218	W
C1A	20191122	Sunny	Moderate	Mid-Flood	Bottom	10.5	14:08	6.78	7.82	30.33	26.4	3.44	10	114	0.26	W
C1A	20191122	Sunny	Moderate	Mid-Flood	Middle	5.8	14:09	7.08	7.81	30.27	26.53	2.75	10	115	0.208	W
C1A	20191122	Sunny	Moderate	Mid-Flood	Middle	5.8	14:09	6.84	8	30.26	26.64	2.73	8	114	0.172	W
C1A	20191122	Sunny	Moderate	Mid-Flood	Surface	1.0	14:10	6.82	7.96	30.23	26.66	2.43	9	114	0.31	NW
C1A	20191122	Sunny	Moderate	Mid-Flood	Surface	1.0	14:10	6.77	7.86	30.51	26.7	2.44	10	114	0.238	W
C2A	20191122	Sunny	Moderate	Mid-Flood	Bottom	10.2	13:38	7.08	7.98	30.42	26.51	3.4	12	114	0.179	W
C2A	20191122	Sunny	Moderate	Mid-Flood	Bottom	10.2	13:38	6.77	7.99	30.38	26.73	3.34	11	115	0.193	NW
C2A	20191122	Sunny	Moderate	Mid-Flood	Middle	5.6	13:39	7.01	7.86	30.41	26.59	2.55	10	114	0.244	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	20191122	Sunny	Moderate	Mid-Flood	Middle	5.6	13:39	6.84	7.97	30.44	26.53	2.56	11	114	0.251	W
C2A	20191122	Sunny	Moderate	Mid-Flood	Surface	1.0	13:40	7.06	7.9	30.21	26.52	2.88	8	114	0.283	W
C2A	20191122	Sunny	Moderate	Mid-Flood	Surface	1.0	13:40	6.88	8.03	30.54	26.51	2.78	9	115	0.206	W
CR1	20191122	Sunny	Moderate	Mid-Flood	Bottom	11.8	14:00	7.11	8.03	30.49	26.44	3.39	11	113	0.308	W
CR1	20191122	Sunny	Moderate	Mid-Flood	Bottom	11.8	14:00	6.75	7.77	30.55	26.57	3.25	12	114	0.279	W
CR1	20191122	Sunny	Moderate	Mid-Flood	Middle	6.4	14:01	7.06	7.81	30.34	26.41	2.98	10	114	0.175	W
CR1	20191122	Sunny	Moderate	Mid-Flood	Middle	6.4	14:01	7.07	7.93	30.2	26.56	2.8	11	115	0.208	NW
CR1	20191122	Sunny	Moderate	Mid-Flood	Surface	1.0	14:02	6.83	7.84	30.43	26.52	2.54	10	114	0.322	W
CR1	20191122	Sunny	Moderate	Mid-Flood	Surface	1.0	14:02	6.97	7.75	30.33	26.55	2.46	9	114	0.225	NW
CR2	20191122	Sunny	Moderate	Mid-Flood	Bottom	10.0	14:28	7.08	7.94	30.41	26.58	3.04	10	115	0.247	W
CR2	20191122	Sunny	Moderate	Mid-Flood	Bottom	10.0	14:28	7.1	7.94	30.46	26.61	3.43	12	114	0.307	W
CR2	20191122	Sunny	Moderate	Mid-Flood	Middle	5.5	14:29	6.82	7.92	30.22	26.52	2.61	10	114	0.236	W
CR2	20191122	Sunny	Moderate	Mid-Flood	Middle	5.5	14:29	6.99	8.03	30.23	26.69	2.95	11	114	0.244	W
CR2	20191122	Sunny	Moderate	Mid-Flood	Surface	1.0	14:30	7.04	7.88	30.55	26.67	2.6	10	113	0.254	W
CR2	20191122	Sunny	Moderate	Mid-Flood	Surface	1.0	14:30	6.95	7.89	30.52	26.63	2.63	10	114	0.179	W
F1A	20191122	Sunny	Moderate	Mid-Flood	Bottom	7.1	15:26	6.99	7.97	30.26	26.57	2.9	9	115	0.218	W
F1A	20191122	Sunny	Moderate	Mid-Flood	Bottom	7.1	15:26	7.04	7.78	30.5	26.63	3.24	9	114	0.319	W
F1A	20191122	Sunny	Moderate	Mid-Flood	Middle	4.1	15:27	6.79	7.87	30.52	26.49	2.98	9	114	0.259	W
F1A	20191122	Sunny	Moderate	Mid-Flood	Middle	4.1	15:27	6.99	7.96	30.32	26.39	3.03	9	114	0.254	W
F1A	20191122	Sunny	Moderate	Mid-Flood	Surface	1.0	15:28	7.02	7.83	30.27	26.59	2.66	8	115	0.149	W
F1A	20191122	Sunny	Moderate	Mid-Flood	Surface	1.0	15:28	7.04	7.83	30.38	26.5	2.86	9	114	0.242	W
H1	20191122	Sunny	Moderate	Mid-Flood	Bottom	6.5	14:45	6.79	7.92	30.28	26.45	3.41	9	114	0.142	W
H1	20191122	Sunny	Moderate	Mid-Flood	Bottom	6.5	14:45	6.75	7.96	30.51	26.55	3.31	10	114	0.267	W
H1	20191122	Sunny	Moderate	Mid-Flood	Middle	3.8	14:46	7.06	7.83	30.21	26.6	2.6	8	114	0.284	W
H1	20191122	Sunny	Moderate	Mid-Flood	Middle	3.8	14:46	7.05	7.81	30.45	26.43	2.81	8	114	0.254	W
H1	20191122	Sunny	Moderate	Mid-Flood	Surface	1.0	14:47	7.04	7.86	30.53	26.57	2.52	8	114	0.2	NW
H1	20191122	Sunny	Moderate	Mid-Flood	Surface	1.0	14:47	6.92	7.81	30.43	26.5	2.44	9	113	0.32	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	20191122	Sunny	Moderate	Mid-Flood	Bottom	6.6	16:01	6.77	8.03	30.39	26.57	3.2	13	114	0.203	W
M1	20191122	Sunny	Moderate	Mid-Flood	Bottom	6.6	16:01	6.79	7.87	30.4	26.32	2.96	12	114	0.163	NW
M1	20191122	Sunny	Moderate	Mid-Flood	Middle	3.8	16:02	6.97	7.95	30.42	26.35	3	12	114	0.149	NW
M1	20191122	Sunny	Moderate	Mid-Flood	Middle	3.8	16:02	6.77	7.96	30.24	26.45	2.93	12	114	0.206	W
M1	20191122	Sunny	Moderate	Mid-Flood	Surface	1.0	16:03	7.1	8.02	30.31	26.55	2.82	13	114	0.194	NW
M1	20191122	Sunny	Moderate	Mid-Flood	Surface	1.0	16:03	7.06	7.96	30.37	26.43	2.45	12	114	0.254	W
S1	20191122	Sunny	Moderate	Mid-Flood	Bottom	4.8	14:41	6.96	7.98	30.54	26.7	3.4	12	115	0.248	W
S1	20191122	Sunny	Moderate	Mid-Flood	Bottom	4.8	14:41	6.93	8	30.24	26.7	3.43	12	116	0.302	W
S1	20191122	Sunny	Moderate	Mid-Flood	Surface	1.0	14:42	6.81	7.96	30.55	26.7	2.7	11	114	0.288	W
S1	20191122	Sunny	Moderate	Mid-Flood	Surface	1.0	14:42	7.05	7.95	30.48	26.52	2.79	11	114	0.182	NW
S2A	20191122	Sunny	Moderate	Mid-Flood	Bottom	8.0	15:11	6.77	7.91	30.3	26.62	3.44	12	115	0.262	W
S2A	20191122	Sunny	Moderate	Mid-Flood	Bottom	8.0	15:11	7.1	7.88	30.36	26.53	3.04	12	117	0.146	W
S2A	20191122	Sunny	Moderate	Mid-Flood	Middle	4.5	15:12	6.98	8.01	30.4	26.38	3.01	13	115	0.268	W
S2A	20191122	Sunny	Moderate	Mid-Flood	Middle	4.5	15:12	6.87	7.93	30.35	26.43	2.55	11	114	0.27	W
S2A	20191122	Sunny	Moderate	Mid-Flood	Surface	1.0	15:13	7.05	7.84	30.23	26.53	2.45	11	114	0.232	W
S2A	20191122	Sunny	Moderate	Mid-Flood	Surface	1.0	15:13	6.77	7.76	30.27	26.5	2.52	13	114	0.254	W
S3	20191122	Sunny	Moderate	Mid-Flood	Bottom	9.8	14:16	6.87	7.76	30.27	26.64	3.26	11	114	0.287	W
S3	20191122	Sunny	Moderate	Mid-Flood	Bottom	9.8	14:16	6.99	7.95	30.25	26.52	3.14	12	116	0.215	W
S3	20191122	Sunny	Moderate	Mid-Flood	Middle	5.4	14:17	6.98	7.97	30.27	26.4	2.66	11	115	0.21	NW
S3	20191122	Sunny	Moderate	Mid-Flood	Middle	5.4	14:17	6.99	7.93	30.26	26.49	3	10	114	0.214	NW
S3	20191122	Sunny	Moderate	Mid-Flood	Surface	1.0	14:18	6.96	7.81	30.49	26.5	2.82	10	114	0.152	W
S3	20191122	Sunny	Moderate	Mid-Flood	Surface	1.0	14:18	7.01	7.97	30.41	26.49	2.89	11	115	0.249	NW
B1	20191125	Sunny	Moderate	Mid-Ebb	Bottom	4.1	09:57	7.05	7.88	29.88	26.64	3.35	8	115	0.231	SE
B1	20191125	Sunny	Moderate	Mid-Ebb	Bottom	4.1	09:57	7.08	7.78	29.55	26.7	3.14	7	114	0.236	SE
B1	20191125	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:58	6.98	7.85	29.6	26.67	2.49	6	114	0.28	SE
B1	20191125	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:58	6.92	7.79	30.01	26.62	2.58	5	115	0.252	E
B2	20191125	Sunny	Moderate	Mid-Ebb	Bottom	4.7	10:17	6.82	7.92	29.92	26.58	3.15	4	115	0.233	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
B2	20191125	Sunny	Moderate	Mid-Ebb	Bottom	4.7	10:17	7	7.79	30.09	26.59	3.03	5	115	0.212	SE
B2	20191125	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:18	6.85	7.91	29.93	26.64	2.57	5	115	0.156	E
B2	20191125	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:18	7.01	7.89	30.05	26.51	2.38	5	114	0.192	E
B3	20191125	Sunny	Moderate	Mid-Ebb	Bottom	3.4	11:01	7.16	7.86	29.5	26.57	3.02	6	114	0.144	SE
B3	20191125	Sunny	Moderate	Mid-Ebb	Bottom	3.4	11:01	7.02	7.8	29.79	26.71	3.08	5	114	0.208	SE
B3	20191125	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:02	7.06	7.78	29.8	26.73	2.95	4	114	0.167	SE
B3	20191125	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:02	7.08	7.77	29.52	26.72	2.86	5	114	0.282	SE
B4	20191125	Sunny	Moderate	Mid-Ebb	Bottom	3.9	11:11	7.15	7.91	30.09	26.6	3.38	5	114	0.168	E
B4	20191125	Sunny	Moderate	Mid-Ebb	Bottom	3.9	11:11	6.95	7.76	30.1	26.8	3.29	5	115	0.209	E
B4	20191125	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:12	7.13	7.9	29.69	26.71	2.89	5	115	0.136	SE
B4	20191125	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:12	6.84	7.88	30	26.63	2.45	5	115	0.125	SE
C1A	20191125	Sunny	Moderate	Mid-Ebb	Bottom	9.6	09:31	6.98	7.82	29.56	26.49	3.33	5	114	0.261	SE
C1A	20191125	Sunny	Moderate	Mid-Ebb	Bottom	9.6	09:31	7.13	7.83	29.85	26.44	3.37	6	115	0.127	E
C1A	20191125	Sunny	Moderate	Mid-Ebb	Middle	5.3	09:32	7.1	7.87	29.57	26.52	2.43	6	114	0.148	E
C1A	20191125	Sunny	Moderate	Mid-Ebb	Middle	5.3	09:32	6.94	7.89	29.54	26.34	2.6	7	114	0.158	SE
C1A	20191125	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:33	7.13	7.89	29.59	26.42	2.32	7	114	0.184	E
C1A	20191125	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:33	6.98	7.87	29.83	26.6	2.61	7	115	0.156	SE
C2A	20191125	Sunny	Moderate	Mid-Ebb	Bottom	10.8	09:33	6.98	7.79	29.71	26.31	3.02	7	114	0.277	SE
C2A	20191125	Sunny	Moderate	Mid-Ebb	Bottom	10.8	09:33	6.99	7.77	29.69	26.52	2.91	7	114	0.192	SE
C2A	20191125	Sunny	Moderate	Mid-Ebb	Middle	5.9	09:34	6.92	7.79	30.07	26.62	2.56	5	114	0.187	SE
C2A	20191125	Sunny	Moderate	Mid-Ebb	Middle	5.9	09:34	7.14	7.83	29.6	26.44	2.79	6	114	0.263	E
C2A	20191125	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:35	7.01	7.88	29.95	26.34	2.63	4	114	0.251	SE
C2A	20191125	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:35	7	7.83	29.55	26.37	2.9	4	114	0.178	SE
CR1	20191125	Sunny	Moderate	Mid-Ebb	Bottom	11.5	09:54	7.12	7.83	29.87	26.55	2.9	8	114	0.175	SE
CR1	20191125	Sunny	Moderate	Mid-Ebb	Bottom	11.5	09:54	6.96	7.79	29.62	26.65	3.2	8	115	0.19	SE
CR1	20191125	Sunny	Moderate	Mid-Ebb	Middle	6.3	09:55	7.17	7.83	29.83	26.66	2.81	8	115	0.237	E
CR1	20191125	Sunny	Moderate	Mid-Ebb	Middle	6.3	09:55	6.93	7.89	29.86	26.43	2.73	8	114	0.209	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	20191125	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:56	6.88	7.76	29.92	26.44	2.43	7	115	0.128	SE
CR1	20191125	Sunny	Moderate	Mid-Ebb	Surface	1.0	09:56	6.86	7.82	29.86	26.44	2.55	7	115	0.151	E
CR2	20191125	Sunny	Moderate	Mid-Ebb	Bottom	10.8	10:23	7.06	7.91	29.95	26.46	3.19	9	115	0.27	SE
CR2	20191125	Sunny	Moderate	Mid-Ebb	Bottom	10.8	10:23	6.97	7.77	29.64	26.63	3.12	9	115	0.218	E
CR2	20191125	Sunny	Moderate	Mid-Ebb	Middle	5.9	10:24	6.83	7.84	29.77	26.46	2.81	7	114	0.117	E
CR2	20191125	Sunny	Moderate	Mid-Ebb	Middle	5.9	10:24	7.17	7.85	29.61	26.55	2.8	7	114	0.235	SE
CR2	20191125	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:25	7.04	7.85	29.76	26.7	2.6	5	114	0.14	E
CR2	20191125	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:25	6.95	7.89	29.51	26.69	2.36	5	115	0.254	SE
F1A	20191125	Sunny	Moderate	Mid-Ebb	Bottom	7.4	11:28	7.05	7.86	29.84	26.75	3.23	5	114	0.276	E
F1A	20191125	Sunny	Moderate	Mid-Ebb	Bottom	7.4	11:28	6.85	7.84	29.52	26.85	3.07	6	114	0.235	E
F1A	20191125	Sunny	Moderate	Mid-Ebb	Middle	4.2	11:29	6.93	7.77	30.09	26.7	2.55	6	114	0.228	SE
F1A	20191125	Sunny	Moderate	Mid-Ebb	Middle	4.2	11:29	6.95	7.8	30.07	26.87	2.57	6	114	0.28	E
F1A	20191125	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:30	6.86	7.94	30.06	26.8	2.66	7	114	0.213	SE
F1A	20191125	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:30	6.89	7.87	29.93	26.82	2.68	7	114	0.254	SE
H1	20191125	Sunny	Moderate	Mid-Ebb	Bottom	7.4	10:40	7.01	7.77	29.69	26.69	3.34	5	115	0.236	E
H1	20191125	Sunny	Moderate	Mid-Ebb	Bottom	7.4	10:40	6.84	7.92	29.71	26.61	3.05	5	114	0.184	E
H1	20191125	Sunny	Moderate	Mid-Ebb	Middle	4.2	10:41	6.85	7.91	29.73	26.56	2.38	5	114	0.161	SE
H1	20191125	Sunny	Moderate	Mid-Ebb	Middle	4.2	10:41	7.14	7.81	29.66	26.77	2.7	5	114	0.23	SE
H1	20191125	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:42	7.15	7.82	29.73	26.56	2.35	4	114	0.171	E
H1	20191125	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:42	6.85	7.81	29.76	26.61	2.41	4	114	0.191	E
M1	20191125	Sunny	Moderate	Mid-Ebb	Bottom	8.4	12:01	6.85	7.86	30.06	26.69	2.9	6	115	0.258	E
M1	20191125	Sunny	Moderate	Mid-Ebb	Bottom	8.4	12:01	6.94	7.82	29.91	26.63	3.14	7	114	0.274	SE
M1	20191125	Sunny	Moderate	Mid-Ebb	Middle	4.7	12:02	6.94	7.83	29.59	26.67	2.56	8	114	0.202	SE
M1	20191125	Sunny	Moderate	Mid-Ebb	Middle	4.7	12:02	7.07	7.83	29.54	26.84	2.69	8	114	0.215	SE
M1	20191125	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:03	6.95	7.9	29.73	26.69	2.42	9	114	0.251	SE
M1	20191125	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:03	6.83	7.77	29.53	26.76	2.78	9	114	0.163	E
S1	20191125	Sunny	Moderate	Mid-Ebb	Bottom	3.9	10:07	7.13	7.86	29.73	26.4	3.09	8	114	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
S1	20191125	Sunny	Moderate	Mid-Ebb	Bottom	3.9	10:07	6.9	7.88	29.52	26.65	3.41	8	115	0.205	E
S1	20191125	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:08	6.95	7.76	29.58	26.6	2.89	6	114	0.202	SE
S1	20191125	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:08	7.05	7.79	30.08	26.65	2.48	7	115	0.12	E
S2A	20191125	Sunny	Moderate	Mid-Ebb	Bottom	7.9	10:38	7.15	7.76	30.02	26.64	3.24	8	115	0.135	SE
S2A	20191125	Sunny	Moderate	Mid-Ebb	Bottom	7.9	10:38	7.05	7.88	29.58	26.63	2.96	9	114	0.141	SE
S2A	20191125	Sunny	Moderate	Mid-Ebb	Middle	4.5	10:39	6.89	7.94	29.97	26.65	2.72	8	114	0.257	SE
S2A	20191125	Sunny	Moderate	Mid-Ebb	Middle	4.5	10:39	6.92	7.89	29.9	26.57	2.92	8	114	0.151	SE
S2A	20191125	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:40	7.11	7.8	29.79	26.61	2.69	8	114	0.135	SE
S2A	20191125	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:40	7.18	7.91	29.59	26.48	2.79	8	114	0.26	SE
S3	20191125	Sunny	Moderate	Mid-Ebb	Bottom	9.8	10:11	7.17	7.78	29.77	26.61	3.24	8	114	0.195	E
S3	20191125	Sunny	Moderate	Mid-Ebb	Bottom	9.8	10:11	6.87	7.8	29.68	26.6	3.5	8	114	0.14	E
S3	20191125	Sunny	Moderate	Mid-Ebb	Middle	5.4	10:12	6.88	7.9	29.98	26.58	2.49	8	114	0.146	SE
S3	20191125	Sunny	Moderate	Mid-Ebb	Middle	5.4	10:12	7.1	7.8	29.97	26.7	2.58	8	115	0.265	E
S3	20191125	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:13	6.94	7.83	29.66	26.71	2.95	8	115	0.143	SE
S3	20191125	Sunny	Moderate	Mid-Ebb	Surface	1.0	10:13	6.94	7.92	29.58	26.41	2.94	9	115	0.148	SE
B1	20191125	Sunny	Moderate	Mid-Flood	Bottom	4.5	15:56	6.9	8	29.92	26.23	2.88	7	114	0.204	NW
B1	20191125	Sunny	Moderate	Mid-Flood	Bottom	4.5	15:56	6.87	7.8	29.67	26.18	2.92	6	114	0.25	W
B1	20191125	Sunny	Moderate	Mid-Flood	Surface	1.0	15:57	7.12	7.84	29.65	26.41	2.75	7	115	0.229	W
B1	20191125	Sunny	Moderate	Mid-Flood	Surface	1.0	15:57	6.87	7.97	29.64	26.38	2.41	6	114	0.149	W
B2	20191125	Sunny	Moderate	Mid-Flood	Bottom	4.0	16:16	7.05	7.84	29.8	26.26	2.91	6	113	0.143	W
B2	20191125	Sunny	Moderate	Mid-Flood	Bottom	4.0	16:16	7.07	7.78	29.71	26.18	3.26	7	113	0.276	NW
B2	20191125	Sunny	Moderate	Mid-Flood	Surface	1.0	16:17	6.86	7.9	29.84	26.34	2.43	6	114	0.31	W
B2	20191125	Sunny	Moderate	Mid-Flood	Surface	1.0	16:17	6.92	7.86	29.67	26.27	2.82	6	114	0.271	W
B3	20191125	Sunny	Moderate	Mid-Flood	Bottom	3.7	17:00	7.02	7.79	29.8	26.11	3.56	6	114	0.269	W
B3	20191125	Sunny	Moderate	Mid-Flood	Bottom	3.7	17:00	6.86	8.02	29.67	26.27	3.56	6	114	0.142	W
B3	20191125	Sunny	Moderate	Mid-Flood	Surface	1.0	17:01	6.91	7.85	29.67	26.12	2.86	7	113	0.236	NW
B3	20191125	Sunny	Moderate	Mid-Flood	Surface	1.0	17:01	6.85	7.97	29.61	26.2	2.47	6	114	0.283	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
B4	20191125	Sunny	Moderate	Mid-Flood	Bottom	4.4	17:10	7.06	7.82	29.61	26.08	3.55	7	114	0.3	NW
B4	20191125	Sunny	Moderate	Mid-Flood	Bottom	4.4	17:10	6.99	7.87	29.68	26.11	3.27	7	114	0.22	W
B4	20191125	Sunny	Moderate	Mid-Flood	Surface	1.0	17:11	7.09	7.99	29.75	26.17	2.67	7	113	0.304	W
B4	20191125	Sunny	Moderate	Mid-Flood	Surface	1.0	17:11	7.17	7.75	29.67	26.11	2.66	6	114	0.2	W
C1A	20191125	Sunny	Moderate	Mid-Flood	Bottom	10.4	15:28	7.08	7.93	29.85	26.25	3.28	6	114	0.31	W
C1A	20191125	Sunny	Moderate	Mid-Flood	Bottom	10.4	15:28	7.06	7.89	29.63	26.42	3.05	5	114	0.274	NW
C1A	20191125	Sunny	Moderate	Mid-Flood	Middle	5.7	15:29	6.95	7.99	29.88	26.25	2.69	7	114	0.228	NW
C1A	20191125	Sunny	Moderate	Mid-Flood	Middle	5.7	15:29	6.87	7.78	29.89	26.26	2.76	7	114	0.282	W
C1A	20191125	Sunny	Moderate	Mid-Flood	Surface	1.0	15:30	7.2	7.94	29.65	26.34	2.63	8	114	0.242	W
C1A	20191125	Sunny	Moderate	Mid-Flood	Surface	1.0	15:30	6.88	7.86	29.79	26.49	2.8	8	114	0.304	W
C2A	20191125	Sunny	Moderate	Mid-Flood	Bottom	10.1	15:20	7.2	7.85	29.81	26.49	3	6	114	0.241	W
C2A	20191125	Sunny	Moderate	Mid-Flood	Bottom	10.1	15:20	6.85	7.93	29.87	26.26	3.14	6	114	0.23	W
C2A	20191125	Sunny	Moderate	Mid-Flood	Middle	5.6	15:21	7.2	8.01	29.68	26.45	2.95	6	114	0.166	W
C2A	20191125	Sunny	Moderate	Mid-Flood	Middle	5.6	15:21	7.13	7.89	29.83	26.21	2.67	5	113	0.289	W
C2A	20191125	Sunny	Moderate	Mid-Flood	Surface	1.0	15:22	6.89	7.79	29.91	26.29	2.45	7	114	0.269	W
C2A	20191125	Sunny	Moderate	Mid-Flood	Surface	1.0	15:22	7.1	7.82	29.81	26.48	2.47	6	114	0.224	W
CR1	20191125	Sunny	Moderate	Mid-Flood	Bottom	11.3	15:40	6.87	7.92	29.93	26.39	3.12	4	115	0.159	W
CR1	20191125	Sunny	Moderate	Mid-Flood	Bottom	11.3	15:40	7.09	7.82	29.68	26.33	3.16	4	115	0.173	W
CR1	20191125	Sunny	Moderate	Mid-Flood	Middle	6.2	15:41	7.16	7.83	29.95	26.39	2.69	5	116	0.321	W
CR1	20191125	Sunny	Moderate	Mid-Flood	Middle	6.2	15:41	7	7.88	29.88	26.26	2.71	4	114	0.226	W
CR1	20191125	Sunny	Moderate	Mid-Flood	Surface	1.0	15:42	7.06	7.78	29.67	26.31	2.86	6	114	0.169	W
CR1	20191125	Sunny	Moderate	Mid-Flood	Surface	1.0	15:42	6.96	7.84	29.93	26.32	2.7	5	114	0.26	W
CR2	20191125	Sunny	Moderate	Mid-Flood	Bottom	10.3	16:05	7.07	7.85	29.93	26.41	3.41	5	115	0.267	W
CR2	20191125	Sunny	Moderate	Mid-Flood	Bottom	10.3	16:05	6.85	7.87	29.6	26.4	3.05	5	114	0.199	W
CR2	20191125	Sunny	Moderate	Mid-Flood	Middle	5.7	16:06	7.21	7.91	29.94	26.23	2.61	5	115	0.16	W
CR2	20191125	Sunny	Moderate	Mid-Flood	Middle	5.7	16:06	6.98	7.78	29.78	26.36	2.88	6	114	0.152	W
CR2	20191125	Sunny	Moderate	Mid-Flood	Surface	1.0	16:07	6.89	7.77	29.65	26.13	2.73	4	114	0.151	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	20191125	Sunny	Moderate	Mid-Flood	Surface	1.0	16:07	7.07	7.78	29.6	26.2	2.82	4	114	0.306	W
F1A	20191125	Sunny	Moderate	Mid-Flood	Bottom	7.1	17:09	7.09	7.81	29.81	26.27	3.45	7	114	0.316	NW
F1A	20191125	Sunny	Moderate	Mid-Flood	Bottom	7.1	17:09	7.11	7.94	29.62	26.02	3.37	7	114	0.249	W
F1A	20191125	Sunny	Moderate	Mid-Flood	Middle	4.1	17:10	6.92	8	29.64	26.06	2.93	7	113	0.194	W
F1A	20191125	Sunny	Moderate	Mid-Flood	Middle	4.1	17:10	7.12	7.83	29.8	26.26	2.58	7	113	0.229	NW
F1A	20191125	Sunny	Moderate	Mid-Flood	Surface	1.0	17:11	7.21	7.89	29.71	26.12	2.51	6	113	0.319	W
F1A	20191125	Sunny	Moderate	Mid-Flood	Surface	1.0	17:11	7.16	7.92	29.8	26.1	2.41	6	114	0.204	W
H1	20191125	Sunny	Moderate	Mid-Flood	Bottom	7.2	16:22	7.13	7.82	29.92	26.11	3.43	8	114	0.225	W
H1	20191125	Sunny	Moderate	Mid-Flood	Bottom	7.2	16:22	7	7.81	29.93	26.12	3.06	7	114	0.233	NW
H1	20191125	Sunny	Moderate	Mid-Flood	Middle	4.1	16:23	7.09	7.77	29.89	26.22	2.61	6	114	0.276	NW
H1	20191125	Sunny	Moderate	Mid-Flood	Middle	4.1	16:23	7.01	7.99	29.95	26.12	2.84	7	114	0.197	W
H1	20191125	Sunny	Moderate	Mid-Flood	Surface	1.0	16:24	6.9	7.97	29.86	26.11	2.67	7	113	0.276	NW
H1	20191125	Sunny	Moderate	Mid-Flood	Surface	1.0	16:24	7.16	7.99	29.75	26.32	2.83	6	114	0.173	W
M1	20191125	Sunny	Moderate	Mid-Flood	Bottom	6.9	17:42	6.89	7.81	29.89	26.22	3.11	6	115	0.158	W
M1	20191125	Sunny	Moderate	Mid-Flood	Bottom	6.9	17:42	7.04	7.97	29.92	26.03	3.09	6	115	0.301	W
M1	20191125	Sunny	Moderate	Mid-Flood	Middle	4.0	17:43	6.94	7.96	29.88	26.2	2.65	7	114	0.224	W
M1	20191125	Sunny	Moderate	Mid-Flood	Middle	4.0	17:43	6.85	7.83	29.88	26.1	3.1	6	115	0.168	NW
M1	20191125	Sunny	Moderate	Mid-Flood	Surface	1.0	17:44	7.09	7.76	29.63	26.05	2.51	7	115	0.165	W
M1	20191125	Sunny	Moderate	Mid-Flood	Surface	1.0	17:44	6.88	7.92	29.71	26.23	2.66	8	114	0.306	W
S1	20191125	Sunny	Moderate	Mid-Flood	Bottom	4.3	16:06	7.18	8.02	29.82	26.22	3.3	7	114	0.193	W
S1	20191125	Sunny	Moderate	Mid-Flood	Bottom	4.3	16:06	6.91	7.76	29.77	26.12	2.92	8	113	0.188	W
S1	20191125	Sunny	Moderate	Mid-Flood	Surface	1.0	16:07	7.13	7.95	29.8	26.4	2.66	6	114	0.156	W
S1	20191125	Sunny	Moderate	Mid-Flood	Surface	1.0	16:07	7.02	7.81	29.61	26.41	2.59	7	114	0.152	W
S2A	20191125	Sunny	Moderate	Mid-Flood	Bottom	8.9	16:37	6.91	7.75	29.83	26.04	3.27	6	113	0.227	W
S2A	20191125	Sunny	Moderate	Mid-Flood	Bottom	8.9	16:37	7.13	7.95	29.65	26.29	3.32	5	114	0.168	NW
S2A	20191125	Sunny	Moderate	Mid-Flood	Middle	5.0	16:38	6.96	7.94	29.78	26.11	3.1	6	114	0.24	W
S2A	20191125	Sunny	Moderate	Mid-Flood	Middle	5.0	16:38	6.88	7.77	29.85	26.19	3.06	5	114	0.292	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	20191125	Sunny	Moderate	Mid-Flood	Surface	1.0	16:39	7.01	7.76	29.72	26.03	2.7	6	114	0.274	NW
S2A	20191125	Sunny	Moderate	Mid-Flood	Surface	1.0	16:39	7.11	7.9	29.91	26.28	2.46	7	114	0.248	W
S3	20191125	Sunny	Moderate	Mid-Flood	Bottom	9.4	15:55	6.88	8.03	29.93	26.27	3.29	5	115	0.201	W
S3	20191125	Sunny	Moderate	Mid-Flood	Bottom	9.4	15:55	7.21	7.98	29.93	26.28	3.1	5	114	0.227	NW
S3	20191125	Sunny	Moderate	Mid-Flood	Middle	5.2	15:56	7.17	7.77	29.87	26.26	2.73	5	114	0.184	W
S3	20191125	Sunny	Moderate	Mid-Flood	Middle	5.2	15:56	7.06	7.79	29.63	26.37	2.58	5	113	0.266	NW
S3	20191125	Sunny	Moderate	Mid-Flood	Surface	1.0	15:57	6.99	7.79	29.84	26.25	2.81	8	114	0.227	W
S3	20191125	Sunny	Moderate	Mid-Flood	Surface	1.0	15:57	6.99	7.8	29.73	26.15	2.48	7	114	0.281	W
B1	20191127	Sunny	Moderate	Mid-Flood	Bottom	3.5	08:39	7.41	8.04	31.23	25.03	3.3	18	112	0.201	NW
B1	20191127	Sunny	Moderate	Mid-Flood	Bottom	3.5	08:39	7.4	7.94	31.22	24.99	3.12	21	114	0.191	NW
B1	20191127	Sunny	Moderate	Mid-Flood	Surface	1.0	08:40	7.22	7.98	31	25.21	2.4	21	113	0.194	W
B1	20191127	Sunny	Moderate	Mid-Flood	Surface	1.0	08:40	7.15	8	30.76	25.21	2.46	20	112	0.174	W
B2	20191127	Sunny	Moderate	Mid-Flood	Bottom	3.8	08:59	7.41	8.19	30.63	25.03	3.09	18	113	0.218	W
B2	20191127	Sunny	Moderate	Mid-Flood	Bottom	3.8	08:59	7.32	8.09	31.05	25.27	3.24	16	113	0.236	W
B2	20191127	Sunny	Moderate	Mid-Flood	Surface	1.0	09:00	7.17	8	30.7	25.06	2.86	14	114	0.209	W
B2	20191127	Sunny	Moderate	Mid-Flood	Surface	1.0	09:00	7.26	8.11	31.06	25.06	2.65	16	113	0.203	W
B3	20191127	Sunny	Moderate	Mid-Flood	Bottom	3.8	09:44	7.33	8	31.03	25.18	3.04	16	113	0.291	NW
B3	20191127	Sunny	Moderate	Mid-Flood	Bottom	3.8	09:44	7.35	7.98	31.15	25.14	3.58	15	113	0.238	W
B3	20191127	Sunny	Moderate	Mid-Flood	Surface	1.0	09:45	7.37	8.08	30.76	25.21	2.82	17	113	0.202	W
B3	20191127	Sunny	Moderate	Mid-Flood	Surface	1.0	09:45	7.06	8.13	31	25.1	2.77	16	114	0.16	W
B4	20191127	Sunny	Moderate	Mid-Flood	Bottom	4.0	09:54	7.16	7.85	30.97	25.29	3.05	17	113	0.269	W
B4	20191127	Sunny	Moderate	Mid-Flood	Bottom	4.0	09:54	7.3	7.89	31.08	25.09	3.05	19	113	0.238	W
B4	20191127	Sunny	Moderate	Mid-Flood	Surface	1.0	09:55	7.1	7.88	31.1	25.06	2.58	16	113	0.308	W
B4	20191127	Sunny	Moderate	Mid-Flood	Surface	1.0	09:55	7.08	7.85	30.97	25.11	2.42	15	113	0.222	W
C1A	20191127	Sunny	Moderate	Mid-Flood	Bottom	10.6	08:09	7.16	7.94	30.76	25.01	3.27	19	114	0.316	W
C1A	20191127	Sunny	Moderate	Mid-Flood	Bottom	10.6	08:09	7.45	8	31.11	25.05	3.16	21	113	0.259	NW
C1A	20191127	Sunny	Moderate	Mid-Flood	Middle	5.8	08:10	7.39	7.97	30.64	25.04	2.87	16	113	0.234	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	20191127	Sunny	Moderate	Mid-Flood	Middle	5.8	08:10	7.45	7.87	30.62	25.08	2.82	18	112	0.23	W
C1A	20191127	Sunny	Moderate	Mid-Flood	Surface	1.0	08:11	7.37	8.02	30.9	25.03	2.91	16	114	0.218	W
C1A	20191127	Sunny	Moderate	Mid-Flood	Surface	1.0	08:11	7.3	7.87	30.97	24.93	2.73	18	113	0.168	NW
C2A	20191127	Sunny	Moderate	Mid-Flood	Bottom	10.5	08:02	7.43	7.99	31.14	24.98	3.2	20	114	0.21	W
C2A	20191127	Sunny	Moderate	Mid-Flood	Bottom	10.5	08:02	7.34	8.14	31.24	24.91	2.89	20	113	0.168	NW
C2A	20191127	Sunny	Moderate	Mid-Flood	Middle	5.8	08:03	7.2	7.89	31.09	24.98	2.64	18	113	0.185	W
C2A	20191127	Sunny	Moderate	Mid-Flood	Middle	5.8	08:03	7.17	7.9	31.17	25	2.64	19	113	0.165	W
C2A	20191127	Sunny	Moderate	Mid-Flood	Surface	1.0	08:04	7.46	8.16	31.15	25.14	2.69	18	113	0.26	W
C2A	20191127	Sunny	Moderate	Mid-Flood	Surface	1.0	08:04	7.39	8.04	30.65	25.18	2.59	17	112	0.179	W
CR1	20191127	Sunny	Moderate	Mid-Flood	Bottom	11.5	08:21	7.25	7.89	30.82	25.16	3.34	13	113	0.206	NW
CR1	20191127	Sunny	Moderate	Mid-Flood	Bottom	11.5	08:21	7.46	8.04	30.7	25.07	3.16	13	113	0.214	W
CR1	20191127	Sunny	Moderate	Mid-Flood	Middle	6.3	08:22	7.47	7.92	31.25	25.12	2.79	13	114	0.208	W
CR1	20191127	Sunny	Moderate	Mid-Flood	Middle	6.3	08:22	7.44	8.01	30.98	24.93	2.89	12	113	0.184	NW
CR1	20191127	Sunny	Moderate	Mid-Flood	Surface	1.0	08:23	7.23	8.11	31.02	25.07	2.92	11	113	0.158	NW
CR1	20191127	Sunny	Moderate	Mid-Flood	Surface	1.0	08:23	7.31	7.91	31.25	25.04	2.8	10	114	0.26	NW
CR2	20191127	Sunny	Moderate	Mid-Flood	Bottom	9.8	08:44	7.23	8.12	30.71	25.08	3.14	12	113	0.189	W
CR2	20191127	Sunny	Moderate	Mid-Flood	Bottom	9.8	08:44	7.47	8.05	31.09	25.11	3.1	10	114	0.142	NW
CR2	20191127	Sunny	Moderate	Mid-Flood	Middle	5.4	08:45	7.16	7.94	30.71	25.23	3.07	14	113	0.184	NW
CR2	20191127	Sunny	Moderate	Mid-Flood	Middle	5.4	08:45	7.25	8.2	31	25.11	2.71	13	113	0.312	W
CR2	20191127	Sunny	Moderate	Mid-Flood	Surface	1.0	08:46	7.34	7.98	30.82	24.98	2.48	14	113	0.275	NW
CR2	20191127	Sunny	Moderate	Mid-Flood	Surface	1.0	08:46	7.16	7.85	31.17	25.12	2.36	14	112	0.188	W
F1A	20191127	Sunny	Moderate	Mid-Flood	Bottom	7.1	09:49	7.39	7.98	31.01	25.16	3.41	17	113	0.299	W
F1A	20191127	Sunny	Moderate	Mid-Flood	Bottom	7.1	09:49	7.57	8.07	30.8	25.05	3.03	16	113	0.249	W
F1A	20191127	Sunny	Moderate	Mid-Flood	Middle	4.1	09:50	7.42	7.94	30.69	25.13	2.56	16	113	0.201	W
F1A	20191127	Sunny	Moderate	Mid-Flood	Middle	4.1	09:50	7.39	7.98	31.09	25.17	2.82	16	112	0.148	W
F1A	20191127	Sunny	Moderate	Mid-Flood	Surface	1.0	09:51	7.41	7.99	30.66	25	2.51	18	114	0.312	W
F1A	20191127	Sunny	Moderate	Mid-Flood	Surface	1.0	09:51	7.48	8.27	30.8	25.06	2.39	17	112	0.317	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	20191127	Sunny	Moderate	Mid-Flood	Bottom	6.7	09:02	7.29	8.23	30.6	25.25	3.38	18	113	0.182	NW
H1	20191127	Sunny	Moderate	Mid-Flood	Bottom	6.7	09:02	7.16	8.06	31.04	25.12	3.21	16	113	0.239	NW
H1	20191127	Sunny	Moderate	Mid-Flood	Middle	3.9	09:03	7.18	7.88	30.83	25.19	2.6	20	112	0.296	W
H1	20191127	Sunny	Moderate	Mid-Flood	Middle	3.9	09:03	7.28	8.17	30.94	24.98	2.95	22	114	0.289	W
H1	20191127	Sunny	Moderate	Mid-Flood	Surface	1.0	09:04	7.3	7.91	31.02	25.02	2.62	20	114	0.256	W
H1	20191127	Sunny	Moderate	Mid-Flood	Surface	1.0	09:04	7.43	8.22	30.97	25.08	2.67	22	113	0.308	W
M1	20191127	Sunny	Moderate	Mid-Flood	Bottom	7.5	10:19	7.27	8.14	30.68	25.14	3.13	9	114	0.187	W
M1	20191127	Sunny	Moderate	Mid-Flood	Bottom	7.5	10:19	7.25	8.04	31.12	25	3.2	8	114	0.143	W
M1	20191127	Sunny	Moderate	Mid-Flood	Middle	4.3	10:20	7.27	7.85	30.85	25.17	2.67	10	113	0.242	W
M1	20191127	Sunny	Moderate	Mid-Flood	Middle	4.3	10:20	7.26	8.07	30.72	25.14	2.66	9	113	0.174	W
M1	20191127	Sunny	Moderate	Mid-Flood	Surface	1.0	10:21	7.47	8.21	30.71	25.07	2.68	10	113	0.309	W
M1	20191127	Sunny	Moderate	Mid-Flood	Surface	1.0	10:21	7.42	8.12	31	25.25	2.79	11	113	0.209	NW
S1	20191127	Sunny	Moderate	Mid-Flood	Bottom	4.7	08:49	7.3	8.05	31.04	25.07	3.18	13	112	0.152	W
S1	20191127	Sunny	Moderate	Mid-Flood	Bottom	4.7	08:49	7.19	8.11	30.69	25.03	3.09	15	112	0.252	NW
S1	20191127	Sunny	Moderate	Mid-Flood	Surface	1.0	08:50	7.27	8.17	31.15	25	2.89	12	112	0.315	W
S1	20191127	Sunny	Moderate	Mid-Flood	Surface	1.0	08:50	7.29	8.07	30.93	25.21	2.85	13	112	0.306	W
S2A	20191127	Sunny	Moderate	Mid-Flood	Bottom	8.9	09:19	7.43	8.07	30.76	25.07	3.2	18	113	0.223	W
S2A	20191127	Sunny	Moderate	Mid-Flood	Bottom	8.9	09:19	7.44	8.02	30.98	25.19	2.93	16	113	0.293	W
S2A	20191127	Sunny	Moderate	Mid-Flood	Middle	5.0	09:20	7.41	7.91	31.2	25.04	2.97	14	112	0.154	W
S2A	20191127	Sunny	Moderate	Mid-Flood	Middle	5.0	09:20	7.41	7.89	31.16	25.21	2.82	13	113	0.301	NW
S2A	20191127	Sunny	Moderate	Mid-Flood	Surface	1.0	09:21	7.43	8.11	31.17	25.21	2.92	14	113	0.173	W
S2A	20191127	Sunny	Moderate	Mid-Flood	Surface	1.0	09:21	7.43	7.95	30.61	25.12	2.75	14	113	0.146	W
S3	20191127	Sunny	Moderate	Mid-Flood	Bottom	8.5	08:35	7.24	8.17	30.87	25.17	3.41	9	113	0.189	W
S3	20191127	Sunny	Moderate	Mid-Flood	Bottom	8.5	08:35	7.21	8.19	30.74	25.09	3.04	10	113	0.158	W
S3	20191127	Sunny	Moderate	Mid-Flood	Middle	4.8	08:36	7.37	7.94	31.06	25.11	2.56	10	113	0.142	W
S3	20191127	Sunny	Moderate	Mid-Flood	Middle	4.8	08:36	7.19	8.1	30.94	25.06	2.88	10	113	0.167	W
S3	20191127	Sunny	Moderate	Mid-Flood	Surface	1.0	08:37	7.28	8.16	30.8	25.11	2.44	17	112	0.214	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	20191127	Sunny	Moderate	Mid-Flood	Surface	1.0	08:37	7.16	8.08	30.83	25.03	2.79	15	115	0.149	W
B1	20191127	Sunny	Moderate	Mid-Ebb	Bottom	4.0	11:40	7.35	8.14	31.55	26.02	2.9	14	113	0.158	E
B1	20191127	Sunny	Moderate	Mid-Ebb	Bottom	4.0	11:40	7.57	7.98	31.33	26.02	3.36	13	113	0.182	SE
B1	20191127	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:41	7.58	8.2	30.86	25.84	2.62	11	112	0.212	E
B1	20191127	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:41	7.02	7.97	30.95	25.88	2.55	10	113	0.127	E
B2	20191127	Sunny	Moderate	Mid-Ebb	Bottom	4.1	12:00	7.51	7.86	31.39	25.92	3.37	19	112	0.245	E
B2	20191127	Sunny	Moderate	Mid-Ebb	Bottom	4.1	12:00	7.13	7.91	30.8	26.04	3.03	17	113	0.241	E
B2	20191127	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:01	7.16	8.08	30.84	25.86	2.81	15	114	0.18	SE
B2	20191127	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:01	7.06	7.93	31.04	25.85	2.41	16	113	0.179	E
B3	20191127	Sunny	Moderate	Mid-Ebb	Bottom	3.4	12:45	7.08	8.2	31.59	26.28	3.09	15	113	0.16	E
B3	20191127	Sunny	Moderate	Mid-Ebb	Bottom	3.4	12:45	7.46	8.18	30.83	26.21	3.47	16	114	0.269	SE
B3	20191127	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:46	7.22	7.96	31.45	26.27	2.92	12	114	0.192	SE
B3	20191127	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:46	7.58	8.05	31.36	26.27	2.78	11	113	0.215	E
B4	20191127	Sunny	Moderate	Mid-Ebb	Bottom	4.0	12:55	7.56	8.1	31.36	26.1	3.22	16	113	0.282	SE
B4	20191127	Sunny	Moderate	Mid-Ebb	Bottom	4.0	12:55	7.39	8.24	30.99	26.27	3.55	17	113	0.235	E
B4	20191127	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:56	7.22	8.17	31.11	26.34	2.84	12	113	0.254	E
B4	20191127	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:56	7.46	8.07	31.31	26.29	2.66	11	113	0.278	SE
C1A	20191127	Sunny	Moderate	Mid-Ebb	Bottom	9.5	11:12	7.49	8.07	31.26	25.75	3.4	18	114	0.26	SE
C1A	20191127	Sunny	Moderate	Mid-Ebb	Bottom	9.5	11:12	7.39	7.93	31.1	25.86	3.07	19	114	0.255	SE
C1A	20191127	Sunny	Moderate	Mid-Ebb	Middle	5.3	11:13	7.46	8.19	31.11	25.91	2.6	14	115	0.201	SE
C1A	20191127	Sunny	Moderate	Mid-Ebb	Middle	5.3	11:13	7.39	8.17	31.04	25.75	2.54	15	114	0.247	SE
C1A	20191127	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:14	7.11	7.86	31.58	25.77	2.65	15	114	0.119	SE
C1A	20191127	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:14	7.4	8.11	30.85	25.75	2.62	16	114	0.256	SE
C2A	20191127	Sunny	Moderate	Mid-Ebb	Bottom	10.5	11:16	7.45	8.03	31.41	25.85	3.23	18	114	0.13	SE
C2A	20191127	Sunny	Moderate	Mid-Ebb	Bottom	10.5	11:16	7.16	8.2	31.59	25.72	3.01	16	114	0.188	SE
C2A	20191127	Sunny	Moderate	Mid-Ebb	Middle	5.8	11:17	7.13	8.23	31.24	25.87	2.39	20	114	0.131	SE
C2A	20191127	Sunny	Moderate	Mid-Ebb	Middle	5.8	11:17	7.59	7.98	31.29	25.7	2.36	19	114	0.224	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	20191127	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:18	7.22	8.19	31.16	25.75	2.55	22	114	0.162	SE
C2A	20191127	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:18	7.34	8.22	30.86	25.87	2.46	19	114	0.244	SE
CR1	20191127	Sunny	Moderate	Mid-Ebb	Bottom	12.3	11:38	7.39	8.01	31.16	25.86	3.19	18	114	0.201	SE
CR1	20191127	Sunny	Moderate	Mid-Ebb	Bottom	12.3	11:38	7.17	8.18	31.17	26.01	3.34	17	114	0.193	E
CR1	20191127	Sunny	Moderate	Mid-Ebb	Middle	6.7	11:39	7.03	7.88	30.92	25.84	2.41	17	114	0.178	SE
CR1	20191127	Sunny	Moderate	Mid-Ebb	Middle	6.7	11:39	7.37	7.89	30.97	25.97	2.55	18	114	0.16	SE
CR1	20191127	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:40	7.22	8.09	30.96	25.9	2.48	19	114	0.129	SE
CR1	20191127	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:40	7.19	8.23	31.4	25.81	2.67	16	113	0.164	SE
CR2	20191127	Sunny	Moderate	Mid-Ebb	Bottom	9.9	12:04	7.29	7.87	30.8	25.83	3.39	20	113	0.162	E
CR2	20191127	Sunny	Moderate	Mid-Ebb	Bottom	9.9	12:04	7.39	8.09	30.91	26.01	3.35	22	113	0.148	E
CR2	20191127	Sunny	Moderate	Mid-Ebb	Middle	5.5	12:05	7.13	8.13	31.36	25.98	2.89	21	114	0.224	SE
CR2	20191127	Sunny	Moderate	Mid-Ebb	Middle	5.5	12:05	7.28	7.94	31.29	25.85	2.58	19	114	0.131	SE
CR2	20191127	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:06	7.31	7.96	31	25.87	2.46	19	113	0.212	SE
CR2	20191127	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:06	7.04	8.04	31.48	25.96	2.73	19	114	0.228	SE
F1A	20191127	Sunny	Moderate	Mid-Ebb	Bottom	7.5	13:13	7.44	7.99	30.92	25.97	3.12	19	114	0.196	E
F1A	20191127	Sunny	Moderate	Mid-Ebb	Bottom	7.5	13:13	7.43	7.9	31.4	26.21	3.06	18	115	0.181	SE
F1A	20191127	Sunny	Moderate	Mid-Ebb	Middle	4.3	13:14	7.44	8.1	31.25	26.29	2.48	19	114	0.271	SE
F1A	20191127	Sunny	Moderate	Mid-Ebb	Middle	4.3	13:14	7.25	7.88	31.38	25.95	2.41	20	114	0.187	SE
F1A	20191127	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:15	7.42	8.04	30.92	26.2	2.89	19	114	0.199	E
F1A	20191127	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:15	7.5	7.92	31.14	26.2	2.9	20	115	0.161	SE
H1	20191127	Sunny	Moderate	Mid-Ebb	Bottom	7.1	12:23	7.15	8.08	31.26	25.94	2.88	20	114	0.256	SE
H1	20191127	Sunny	Moderate	Mid-Ebb	Bottom	7.1	12:23	7.15	8.07	30.84	25.9	3.33	19	114	0.13	SE
H1	20191127	Sunny	Moderate	Mid-Ebb	Middle	4.1	12:24	7.53	8.13	31.29	25.96	2.37	14	115	0.178	SE
H1	20191127	Sunny	Moderate	Mid-Ebb	Middle	4.1	12:24	7.46	8.1	30.81	25.89	2.89	13	114	0.203	SE
H1	20191127	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:25	7.48	7.99	31.02	25.9	2.68	14	114	0.257	SE
H1	20191127	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:25	7.41	8.08	30.98	26.12	2.72	13	114	0.219	SE
M1	20191127	Sunny	Moderate	Mid-Ebb	Bottom	8.2	13:48	7.2	7.98	31.18	25.97	3.31	13	113	0.179	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
M1	20191127	Sunny	Moderate	Mid-Ebb	Bottom	8.2	13:48	7.17	8.09	30.86	26.26	3.18	12	113	0.137	E
M1	20191127	Sunny	Moderate	Mid-Ebb	Middle	4.6	13:49	7.29	8.15	31.2	26.01	2.53	12	114	0.268	E
M1	20191127	Sunny	Moderate	Mid-Ebb	Middle	4.6	13:49	7.19	8.14	30.81	26.1	2.83	10	114	0.143	E
M1	20191127	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:50	7.55	8.14	30.89	26.09	2.89	12	114	0.237	E
M1	20191127	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:50	7.19	8.21	30.93	26.12	2.34	10	113	0.152	SE
S1	20191127	Sunny	Moderate	Mid-Ebb	Bottom	4.2	11:50	7.18	8.23	30.93	26.02	2.97	17	113	0.256	SE
S1	20191127	Sunny	Moderate	Mid-Ebb	Bottom	4.2	11:50	7.27	8.1	31.32	25.95	3.06	17	115	0.237	E
S1	20191127	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:51	7.05	8.23	31.54	25.97	2.76	18	114	0.256	SE
S1	20191127	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:51	7.07	8	31.26	26.05	2.34	17	114	0.208	SE
S2A	20191127	Sunny	Moderate	Mid-Ebb	Bottom	7.9	12:20	7.08	8.11	31.59	25.98	3.06	20	113	0.165	E
S2A	20191127	Sunny	Moderate	Mid-Ebb	Bottom	7.9	12:20	7.52	7.94	31.1	25.89	3.38	19	114	0.148	SE
S2A	20191127	Sunny	Moderate	Mid-Ebb	Middle	4.5	12:21	7.44	7.94	31.59	25.93	2.78	16	114	0.221	SE
S2A	20191127	Sunny	Moderate	Mid-Ebb	Middle	4.5	12:21	7.39	7.96	31.47	25.85	2.46	18	114	0.277	SE
S2A	20191127	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:22	7.28	8.22	31.28	25.91	2.61	16	113	0.207	SE
S2A	20191127	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:22	7.3	8.13	31.24	25.91	2.86	15	114	0.27	E
S3	20191127	Sunny	Moderate	Mid-Ebb	Bottom	9.2	11:54	7.06	8.22	31.3	26.07	3.12	11	114	0.216	SE
S3	20191127	Sunny	Moderate	Mid-Ebb	Bottom	9.2	11:54	7.48	7.97	31.03	25.84	3.1	12	114	0.128	SE
S3	20191127	Sunny	Moderate	Mid-Ebb	Middle	5.1	11:55	7.4	8.01	31.55	25.92	2.53	10	115	0.12	E
S3	20191127	Sunny	Moderate	Mid-Ebb	Middle	5.1	11:55	7.24	8.09	31.29	26.04	2.78	11	113	0.272	E
S3	20191127	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:56	7.37	8.12	31.13	25.97	2.48	11	113	0.136	E
S3	20191127	Sunny	Moderate	Mid-Ebb	Surface	1.0	11:56	7.21	7.89	31.12	25.9	2.57	10	114	0.239	SE
B1	20191129	Sunny	Moderate	Mid-Flood	Bottom	3.7	09:12	7.57	8.17	27.97	21.43	3.46	13	113	0.259	NW
B1	20191129	Sunny	Moderate	Mid-Flood	Bottom	3.7	09:12	7.8	8.16	28.43	21.38	3.41	12	114	0.27	W
B1	20191129	Sunny	Moderate	Mid-Flood	Surface	1.0	09:13	7.92	8.07	28.5	21.5	2.79	8	115	0.3	W
B1	20191129	Sunny	Moderate	Mid-Flood	Surface	1.0	09:13	7.69	8.2	28.21	21.49	2.8	9	113	0.152	NW
B2	20191129	Sunny	Moderate	Mid-Flood	Bottom	4.1	09:35	7.21	8.18	28.39	21.49	3.23	7	114	0.168	W
B2	20191129	Sunny	Moderate	Mid-Flood	Bottom	4.1	09:35	7.32	7.96	28.56	21.49	3.05	8	113	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
B2	20191129	Sunny	Moderate	Mid-Flood	Surface	1.0	09:36	7.54	8.29	28.17	21.66	2.74	7	113	0.215	W
B2	20191129	Sunny	Moderate	Mid-Flood	Surface	1.0	09:36	7.34	8.32	28.06	21.65	2.85	7	114	0.142	W
B3	20191129	Sunny	Moderate	Mid-Flood	Bottom	3.7	09:28	7.95	8.15	28.34	21.44	3.33	7	112	0.212	W
B3	20191129	Sunny	Moderate	Mid-Flood	Bottom	3.7	09:28	7.52	8.21	28.19	21.44	3.52	7	112	0.27	W
B3	20191129	Sunny	Moderate	Mid-Flood	Surface	1.0	09:29	7.88	8.17	28.13	21.35	2.83	8	113	0.146	W
B3	20191129	Sunny	Moderate	Mid-Flood	Surface	1.0	09:29	7.97	8.15	28.14	21.23	2.81	8	113	0.166	NW
B4	20191129	Sunny	Moderate	Mid-Flood	Bottom	3.6	09:41	7.78	8.42	28.56	21.69	3.5	8	114	0.27	W
B4	20191129	Sunny	Moderate	Mid-Flood	Bottom	3.6	09:41	7.77	8.06	28	21.62	3.24	9	113	0.162	NW
B4	20191129	Sunny	Moderate	Mid-Flood	Surface	1.0	09:42	8.01	8.23	28.3	21.59	2.74	8	113	0.223	W
B4	20191129	Sunny	Moderate	Mid-Flood	Surface	1.0	09:42	7.55	8.3	27.95	21.66	3	9	113	0.287	W
C1A	20191129	Sunny	Moderate	Mid-Flood	Bottom	10.2	08:23	7.73	8.42	27.96	21.12	3.14	11	113	0.322	NW
C1A	20191129	Sunny	Moderate	Mid-Flood	Bottom	10.2	08:23	7.32	8.15	28.38	21.13	3.12	10	113	0.24	W
C1A	20191129	Sunny	Moderate	Mid-Flood	Middle	5.6	08:24	7.33	8.43	27.9	21.38	2.55	10	114	0.188	NW
C1A	20191129	Sunny	Moderate	Mid-Flood	Middle	5.6	08:24	8	8.4	28.11	21.35	3.01	11	113	0.186	W
C1A	20191129	Sunny	Moderate	Mid-Flood	Surface	1.0	08:25	7.99	8.18	28.62	21.4	2.63	9	113	0.147	W
C1A	20191129	Sunny	Moderate	Mid-Flood	Surface	1.0	08:25	7.37	8.31	28.63	21.11	2.46	8	113	0.302	W
C2A	20191129	Sunny	Moderate	Mid-Flood	Bottom	10.7	08:22	7.75	7.97	28.09	21.14	3.25	9	113	0.214	NW
C2A	20191129	Sunny	Moderate	Mid-Flood	Bottom	10.7	08:22	7.64	8.25	28.59	21.21	3.09	10	114	0.242	W
C2A	20191129	Sunny	Moderate	Mid-Flood	Middle	5.9	08:23	7.46	8.37	28.64	21.32	2.62	10	113	0.176	NW
C2A	20191129	Sunny	Moderate	Mid-Flood	Middle	5.9	08:23	7.66	8.06	28.14	21.1	2.76	11	114	0.315	W
C2A	20191129	Sunny	Moderate	Mid-Flood	Surface	1.0	08:24	7.7	8.31	28.27	21.2	2.44	10	113	0.296	W
C2A	20191129	Sunny	Moderate	Mid-Flood	Surface	1.0	08:24	7.75	8.03	28.04	21.27	2.57	11	113	0.287	W
CR1	20191129	Sunny	Moderate	Mid-Flood	Bottom	11.5	08:45	7.26	8.08	28.11	21.22	3.4	8	113	0.178	W
CR1	20191129	Sunny	Moderate	Mid-Flood	Bottom	11.5	08:45	7.53	8.33	28.63	21.26	3.05	7	113	0.204	W
CR1	20191129	Sunny	Moderate	Mid-Flood	Middle	6.3	08:46	7.77	8.19	28.01	21.33	2.71	10	114	0.322	W
CR1	20191129	Sunny	Moderate	Mid-Flood	Middle	6.3	08:46	7.59	8.14	28.55	21.3	3.03	9	114	0.308	W
CR1	20191129	Sunny	Moderate	Mid-Flood	Surface	1.0	08:47	7.38	8.07	28.48	21.41	2.79	10	114	0.266	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	20191129	Sunny	Moderate	Mid-Flood	Surface	1.0	08:47	7.46	8.03	28.59	21.28	2.37	9	114	0.267	W
CR2	20191129	Sunny	Moderate	Mid-Flood	Bottom	9.9	10:19	7.88	8.07	28.23	21.81	3.02	8	114	0.144	W
CR2	20191129	Sunny	Moderate	Mid-Flood	Bottom	9.9	10:19	7.4	8.28	27.96	21.92	3.2	8	114	0.264	W
CR2	20191129	Sunny	Moderate	Mid-Flood	Middle	5.5	10:20	7.65	8.18	28.49	21.73	2.62	10	113	0.288	NW
CR2	20191129	Sunny	Moderate	Mid-Flood	Middle	5.5	10:20	7.34	8.22	28.35	21.67	2.82	10	113	0.201	W
CR2	20191129	Sunny	Moderate	Mid-Flood	Surface	1.0	10:21	7.71	8.12	28.57	21.64	2.59	8	113	0.212	W
CR2	20191129	Sunny	Moderate	Mid-Flood	Surface	1.0	10:21	7.42	7.97	28.38	21.9	2.5	10	114	0.221	W
F1A	20191129	Sunny	Moderate	Mid-Flood	Bottom	7.8	10:20	7.42	8.37	28.16	21.67	3.3	9	113	0.225	NW
F1A	20191129	Sunny	Moderate	Mid-Flood	Bottom	7.8	10:20	7.88	8.1	27.98	21.69	3.21	10	113	0.176	W
F1A	20191129	Sunny	Moderate	Mid-Flood	Middle	4.4	10:21	7.67	8.09	28.26	21.61	2.92	10	113	0.232	W
F1A	20191129	Sunny	Moderate	Mid-Flood	Middle	4.4	10:21	7.63	8.1	28.22	21.62	2.86	11	113	0.141	W
F1A	20191129	Sunny	Moderate	Mid-Flood	Surface	1.0	10:22	7.7	8.26	27.95	21.67	2.46	10	114	0.15	W
F1A	20191129	Sunny	Moderate	Mid-Flood	Surface	1.0	10:22	7.6	8.05	28.34	21.77	2.45	11	113	0.176	NW
H1	20191129	Sunny	Moderate	Mid-Flood	Bottom	7.3	09:07	7.91	8.18	28.35	21.43	3.1	9	114	0.188	W
H1	20191129	Sunny	Moderate	Mid-Flood	Bottom	7.3	09:07	7.36	8.43	28.25	21.44	3.42	10	113	0.202	NW
H1	20191129	Sunny	Moderate	Mid-Flood	Middle	4.2	09:08	7.98	7.98	28.06	21.44	2.81	12	113	0.186	NW
H1	20191129	Sunny	Moderate	Mid-Flood	Middle	4.2	09:08	7.31	8.07	28.21	21.24	3.12	11	112	0.151	W
H1	20191129	Sunny	Moderate	Mid-Flood	Surface	1.0	09:09	7.63	8.26	28.36	21.41	2.47	11	114	0.213	NW
H1	20191129	Sunny	Moderate	Mid-Flood	Surface	1.0	09:09	7.73	8.07	28.45	21.5	2.94	11	114	0.264	W
M1	20191129	Sunny	Moderate	Mid-Flood	Bottom	6.9	10:58	7.67	7.97	28.02	22.11	2.96	9	114	0.296	W
M1	20191129	Sunny	Moderate	Mid-Flood	Bottom	6.9	10:58	7.45	8.1	28.14	22.1	3.24	9	114	0.191	W
M1	20191129	Sunny	Moderate	Mid-Flood	Middle	4.0	10:59	7.21	7.99	28.24	21.84	2.94	9	114	0.165	W
M1	20191129	Sunny	Moderate	Mid-Flood	Middle	4.0	10:59	7.65	7.96	28.21	22.09	2.81	8	114	0.228	NW
M1	20191129	Sunny	Moderate	Mid-Flood	Surface	1.0	11:00	7.67	8.18	28.23	22.15	2.67	9	113	0.2	NW
M1	20191129	Sunny	Moderate	Mid-Flood	Surface	1.0	11:00	7.21	8.26	28.29	21.97	2.51	9	113	0.155	W
S1	20191129	Sunny	Moderate	Mid-Flood	Bottom	4.7	09:23	7.22	8.41	28.51	21.29	3.14	9	113	0.201	W
S1	20191129	Sunny	Moderate	Mid-Flood	Bottom	4.7	09:23	7.38	7.96	28.38	21.34	3.08	10	113	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
S1	20191129	Sunny	Moderate	Mid-Flood	Surface	1.0	09:24	7.27	8.4	28.23	21.25	2.49	8	113	0.242	W
S1	20191129	Sunny	Moderate	Mid-Flood	Surface	1.0	09:24	7.56	8.34	28.56	21.38	2.84	9	113	0.308	W
S2A	20191129	Sunny	Moderate	Mid-Flood	Bottom	8.5	09:56	7.45	8.1	28.39	21.85	3.17	8	114	0.195	W
S2A	20191129	Sunny	Moderate	Mid-Flood	Bottom	8.5	09:56	7.45	8.39	28.51	21.9	2.99	9	114	0.18	NW
S2A	20191129	Sunny	Moderate	Mid-Flood	Middle	4.8	09:57	7.67	8.13	28.55	21.72	3	8	114	0.184	W
S2A	20191129	Sunny	Moderate	Mid-Flood	Middle	4.8	09:57	7.83	8.17	28	21.51	2.93	9	113	0.143	W
S2A	20191129	Sunny	Moderate	Mid-Flood	Surface	1.0	09:58	7.61	8.36	27.92	21.81	2.72	7	114	0.294	W
S2A	20191129	Sunny	Moderate	Mid-Flood	Surface	1.0	09:58	7.25	8.19	28.36	21.43	2.67	8	113	0.275	W
S3	20191129	Sunny	Moderate	Mid-Flood	Bottom	8.4	10:30	7.55	8.19	28.06	22.02	3.51	10	114	0.252	NW
S3	20191129	Sunny	Moderate	Mid-Flood	Bottom	8.4	10:30	7.22	8.35	28.15	21.94	3.03	8	113	0.204	NW
S3	20191129	Sunny	Moderate	Mid-Flood	Middle	4.7	10:31	7.84	8	28.5	21.98	2.66	10	113	0.304	W
S3	20191129	Sunny	Moderate	Mid-Flood	Middle	4.7	10:31	7.92	8.29	28.09	21.65	3.03	9	113	0.292	NW
S3	20191129	Sunny	Moderate	Mid-Flood	Surface	1.0	10:32	7.61	8.36	28.61	22.05	2.53	9	114	0.144	W
S3	20191129	Sunny	Moderate	Mid-Flood	Surface	1.0	10:32	7.22	8.44	28.62	22.06	2.48	9	113	0.168	NW
B1	20191129	Sunny	Moderate	Mid-Ebb	Bottom	3.7	13:11	7.96	8.09	28.39	23.06	2.93	9	113	0.239	SE
B1	20191129	Sunny	Moderate	Mid-Ebb	Bottom	3.7	13:11	7.75	8.1	28.37	22.73	3.03	9	113	0.198	SE
B1	20191129	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:12	7.08	8.42	28.27	22.94	2.82	10	114	0.213	E
B1	20191129	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:12	7.68	8.26	28.22	22.79	2.6	9	113	0.231	SE
B2	20191129	Sunny	Moderate	Mid-Ebb	Bottom	4.3	13:34	7.58	8.1	28.06	22.89	2.91	10	113	0.166	E
B2	20191129	Sunny	Moderate	Mid-Ebb	Bottom	4.3	13:34	7.98	8.14	28.06	22.89	3.04	9	112	0.163	SE
B2	20191129	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:35	7.23	8.28	28.45	22.89	2.86	10	113	0.257	E
B2	20191129	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:35	7.11	8.49	28.5	22.89	2.67	10	114	0.277	SE
B3	20191129	Sunny	Moderate	Mid-Ebb	Bottom	3.8	15:14	7.56	8.07	28.44	23.01	3.31	10	112	0.125	SE
B3	20191129	Sunny	Moderate	Mid-Ebb	Bottom	3.8	15:14	7.55	8.33	28.39	22.85	2.96	9	113	0.123	SE
B3	20191129	Sunny	Moderate	Mid-Ebb	Surface	1.0	15:15	7.5	8.27	28.36	22.96	2.38	9	112	0.196	SE
B3	20191129	Sunny	Moderate	Mid-Ebb	Surface	1.0	15:15	7.67	8.47	28.43	23.08	2.44	9	112	0.175	E
B4	20191129	Sunny	Moderate	Mid-Ebb	Bottom	3.2	15:26	7.84	8.43	28.43	23.12	3.05	9	113	0.184	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	20191129	Sunny	Moderate	Mid-Ebb	Bottom	3.2	15:26	7.44	8.4	28.11	22.98	3.43	9	112	0.212	SE
B4	20191129	Sunny	Moderate	Mid-Ebb	Surface	1.0	15:27	7.47	8.47	28.1	22.78	2.4	9	113	0.136	SE
B4	20191129	Sunny	Moderate	Mid-Ebb	Surface	1.0	15:27	7.84	8.2	28.35	23.03	2.93	9	112	0.267	SE
C1A	20191129	Sunny	Moderate	Mid-Ebb	Bottom	8.9	12:43	7.15	8.21	28.13	22.8	3.24	8	112	0.118	SE
C1A	20191129	Sunny	Moderate	Mid-Ebb	Bottom	8.9	12:43	7.64	8.5	27.82	22.96	3.18	9	113	0.14	SE
C1A	20191129	Sunny	Moderate	Mid-Ebb	Middle	5.0	12:44	7.48	8.28	28.49	22.68	2.38	9	113	0.25	SE
C1A	20191129	Sunny	Moderate	Mid-Ebb	Middle	5.0	12:44	7.2	8.39	28.44	23.06	2.8	9	113	0.157	SE
C1A	20191129	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:45	7.33	8.15	28.16	22.75	2.58	10	112	0.256	E
C1A	20191129	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:45	7.88	8.07	28	22.97	2.86	10	112	0.243	E
C2A	20191129	Sunny	Moderate	Mid-Ebb	Bottom	10.8	14:00	7.09	8.33	27.87	22.83	3.45	10	113	0.282	SE
C2A	20191129	Sunny	Moderate	Mid-Ebb	Bottom	10.8	14:00	7.75	8.08	28.29	23.02	2.92	10	112	0.221	E
C2A	20191129	Sunny	Moderate	Mid-Ebb	Middle	5.9	14:01	7.19	8.54	28.37	22.73	2.89	10	112	0.277	SE
C2A	20191129	Sunny	Moderate	Mid-Ebb	Middle	5.9	14:01	7.88	8.1	27.81	23.12	2.34	9	113	0.176	E
C2A	20191129	Sunny	Moderate	Mid-Ebb	Surface	1.0	14:02	7.51	8.4	27.95	23.13	2.41	8	112	0.209	E
C2A	20191129	Sunny	Moderate	Mid-Ebb	Surface	1.0	14:02	7.25	8.16	28.13	22.79	2.7	8	112	0.161	SE
CR1	20191129	Sunny	Moderate	Mid-Ebb	Bottom	12.8	14:22	7.22	8.2	27.83	22.93	3.12	11	112	0.187	E
CR1	20191129	Sunny	Moderate	Mid-Ebb	Bottom	12.8	14:22	7.85	8.06	28.07	23.05	2.98	11	113	0.227	SE
CR1	20191129	Sunny	Moderate	Mid-Ebb	Middle	6.9	14:23	7.87	8.53	28.51	22.71	2.87	11	113	0.176	E
CR1	20191129	Sunny	Moderate	Mid-Ebb	Middle	6.9	14:23	7.18	8.09	28.5	22.77	2.68	10	112	0.219	SE
CR1	20191129	Sunny	Moderate	Mid-Ebb	Surface	1.0	14:24	7.89	8.44	27.9	22.93	2.68	11	112	0.189	E
CR1	20191129	Sunny	Moderate	Mid-Ebb	Surface	1.0	14:24	7.11	8.22	28.13	22.95	2.69	10	113	0.184	E
CR2	20191129	Sunny	Moderate	Mid-Ebb	Bottom	10.2	14:18	7.41	8.13	28.09	22.92	2.89	11	112	0.157	SE
CR2	20191129	Sunny	Moderate	Mid-Ebb	Bottom	10.2	14:18	7.43	8.16	28.26	22.71	3.25	11	112	0.141	E
CR2	20191129	Sunny	Moderate	Mid-Ebb	Middle	5.6	14:19	7.91	8.18	27.84	22.82	2.4	12	112	0.226	E
CR2	20191129	Sunny	Moderate	Mid-Ebb	Middle	5.6	14:19	7.56	8.29	28.51	22.97	2.8	11	112	0.227	SE
CR2	20191129	Sunny	Moderate	Mid-Ebb	Surface	1.0	14:20	7.11	8.18	28.26	22.7	2.79	12	113	0.182	SE
CR2	20191129	Sunny	Moderate	Mid-Ebb	Surface	1.0	14:20	7.59	8.48	28.29	22.73	2.87	12	112	0.2	E

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

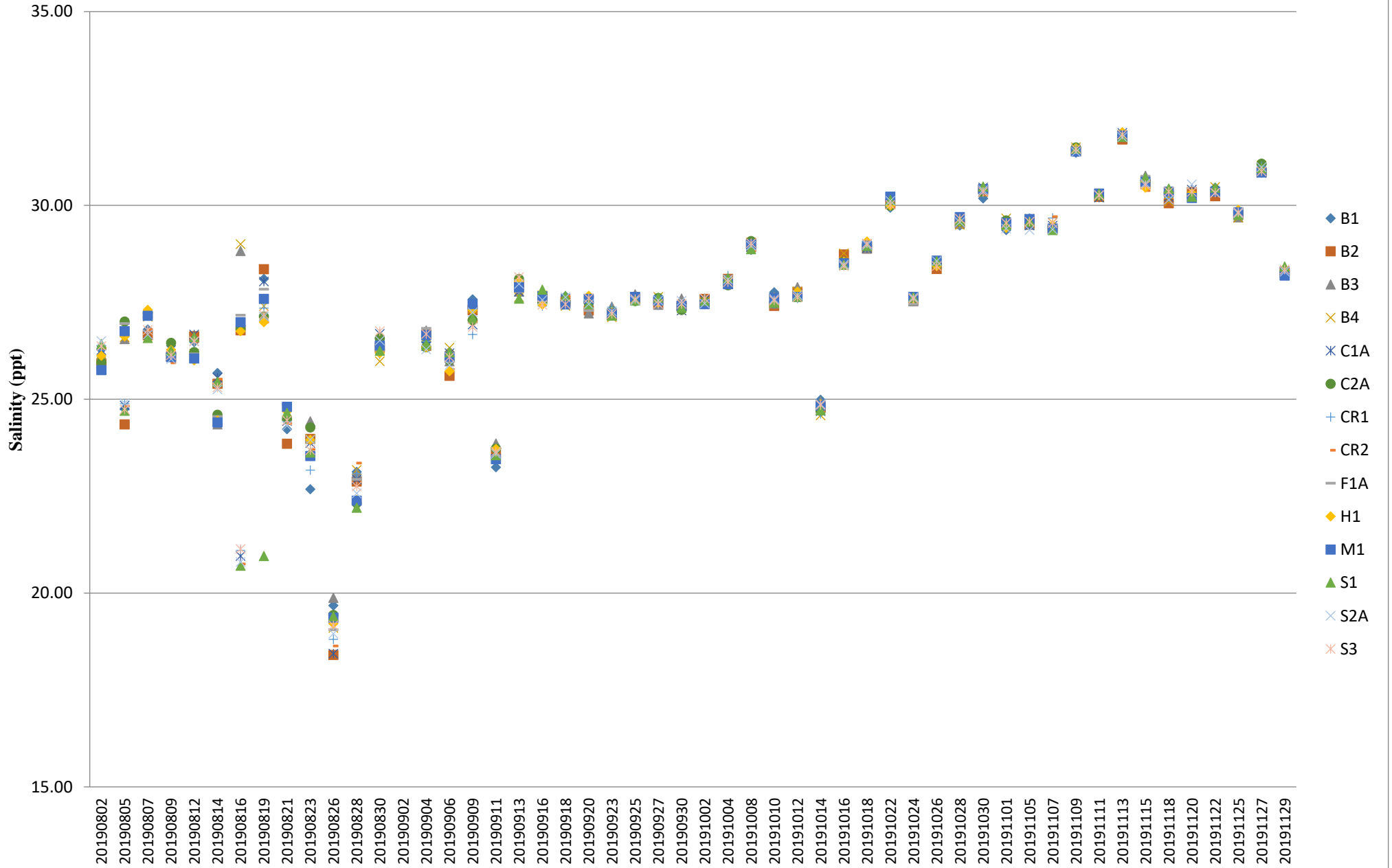
Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time (hh:mm)	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
F1A	20191129	Sunny	Moderate	Mid-Ebb	Bottom	8.2	13:23	7.41	8.46	28.24	23.01	3.2	10	113	0.244	SE
F1A	20191129	Sunny	Moderate	Mid-Ebb	Bottom	8.2	13:23	7.19	8.27	28.24	22.7	2.87	8	112	0.196	SE
F1A	20191129	Sunny	Moderate	Mid-Ebb	Middle	4.6	13:24	7.17	8.37	28.41	23.03	2.58	9	113	0.19	SE
F1A	20191129	Sunny	Moderate	Mid-Ebb	Middle	4.6	13:24	7.87	8.26	27.82	23.07	2.78	10	112	0.272	E
F1A	20191129	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:25	7.5	8.53	28	23.08	2.55	8	112	0.227	SE
F1A	20191129	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:25	7.4	8.3	27.79	23.06	2.54	9	113	0.178	E
H1	20191129	Sunny	Moderate	Mid-Ebb	Bottom	7.1	14:54	7.35	8.13	28.08	23.03	3.32	9	112	0.199	SE
H1	20191129	Sunny	Moderate	Mid-Ebb	Bottom	7.1	14:54	7.45	8.28	28.19	23.04	3.2	10	113	0.211	SE
H1	20191129	Sunny	Moderate	Mid-Ebb	Middle	4.1	14:55	7.96	8.35	27.83	22.92	2.52	10	113	0.198	SE
H1	20191129	Sunny	Moderate	Mid-Ebb	Middle	4.1	14:55	7.43	8.13	28.22	22.91	2.45	9	114	0.172	SE
H1	20191129	Sunny	Moderate	Mid-Ebb	Surface	1.0	14:56	7.22	8.17	28.43	22.74	2.81	11	112	0.143	E
H1	20191129	Sunny	Moderate	Mid-Ebb	Surface	1.0	14:56	7.2	8.06	28.31	22.87	2.54	10	112	0.212	SE
M1	20191129	Sunny	Moderate	Mid-Ebb	Bottom	8.1	12:44	7.59	8.38	28.19	22.76	2.94	11	113	0.153	SE
M1	20191129	Sunny	Moderate	Mid-Ebb	Bottom	8.1	12:44	7.65	8.27	28.33	22.99	3.39	11	112	0.134	E
M1	20191129	Sunny	Moderate	Mid-Ebb	Middle	4.6	12:45	7.36	8.5	28.23	23.08	2.55	10	113	0.169	SE
M1	20191129	Sunny	Moderate	Mid-Ebb	Middle	4.6	12:45	7.89	8.37	28.12	22.82	2.52	10	112	0.157	SE
M1	20191129	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:46	7.1	8.5	27.84	23.11	2.72	13	113	0.161	E
M1	20191129	Sunny	Moderate	Mid-Ebb	Surface	1.0	12:46	7.48	8.45	28.22	22.72	2.71	12	112	0.225	E
S1	20191129	Sunny	Moderate	Mid-Ebb	Bottom	4.0	13:22	7.15	8.31	27.87	22.86	3.27	10	113	0.13	SE
S1	20191129	Sunny	Moderate	Mid-Ebb	Bottom	4.0	13:22	7.63	8.4	28.26	22.8	2.98	10	112	0.166	E
S1	20191129	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:23	7.99	8.25	28.04	23.01	2.85	9	112	0.214	SE
S1	20191129	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:23	7.64	8.12	28.4	22.69	2.53	9	113	0.118	SE
S2A	20191129	Sunny	Moderate	Mid-Ebb	Bottom	8.3	13:55	7.46	8.22	28.25	23	2.97	9	113	0.149	SE
S2A	20191129	Sunny	Moderate	Mid-Ebb	Bottom	8.3	13:55	7.68	8.41	28.2	23.12	2.93	10	112	0.21	SE
S2A	20191129	Sunny	Moderate	Mid-Ebb	Middle	4.7	13:56	7.3	8.34	27.8	23.04	2.86	10	112	0.218	SE
S2A	20191129	Sunny	Moderate	Mid-Ebb	Middle	4.7	13:56	7.63	8.3	28.04	22.71	2.83	10	112	0.124	E
S2A	20191129	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:57	7.79	8.17	28.48	22.83	2.76	9	112	0.124	SE



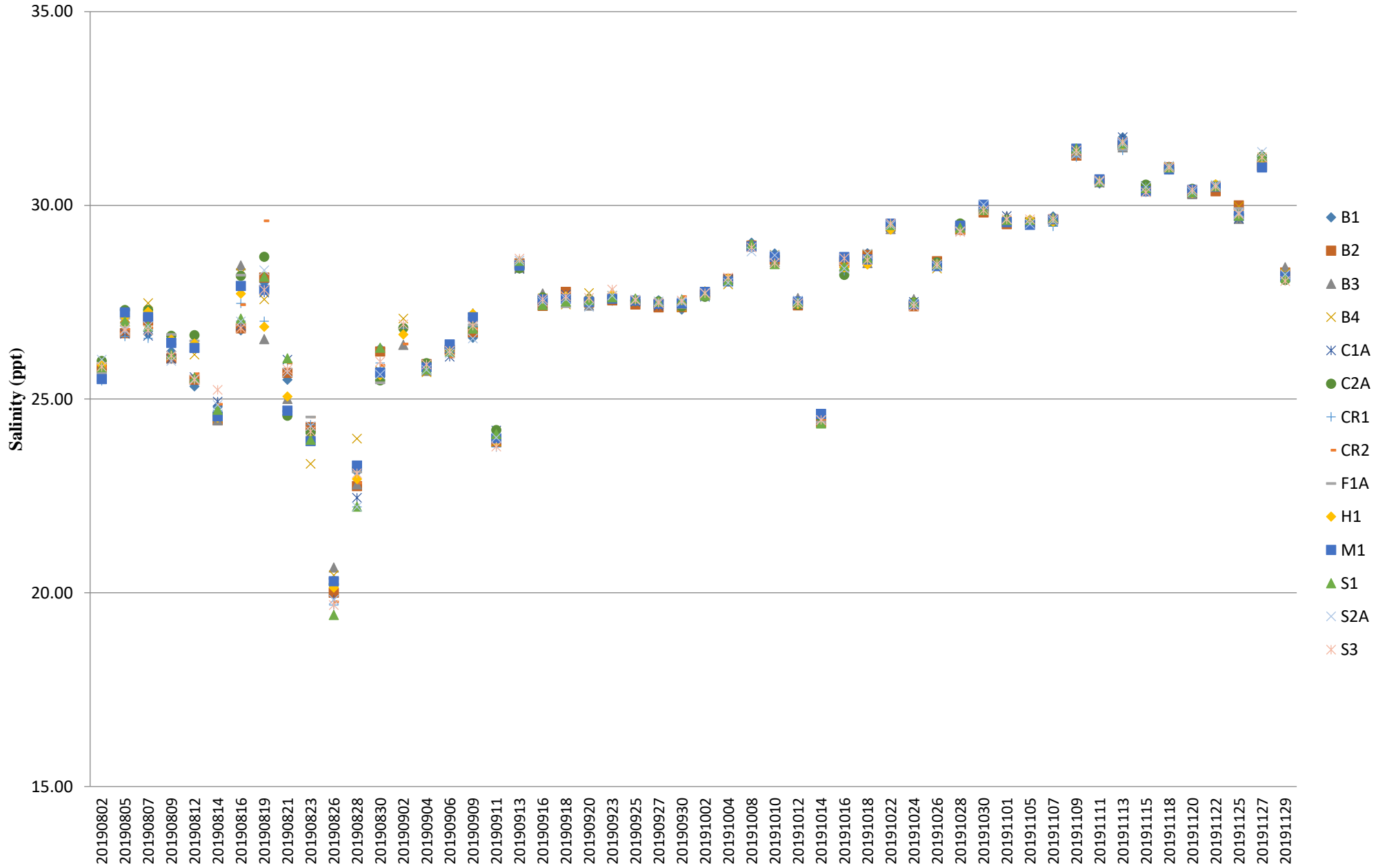
Contract No. EP/SP/66/12  
 Integrated Waste Management Facilities, Phase 1  
 Impact Water Quality Monitoring Data

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	20191129	Sunny	Moderate	Mid-Ebb	Surface	1.0	13:57	7.18	8.29	28.52	22.83	2.64	9	113	0.257	SE
S3	20191129	Sunny	Moderate	Mid-Ebb	Bottom	10.4	14:29	7.52	8.49	27.92	22.86	3.28	12	112	0.148	SE
S3	20191129	Sunny	Moderate	Mid-Ebb	Bottom	10.4	14:29	7.92	8.25	28.13	22.71	2.94	11	112	0.235	SE
S3	20191129	Sunny	Moderate	Mid-Ebb	Middle	5.7	14:30	7.47	8.32	27.93	22.91	2.38	12	113	0.228	SE
S3	20191129	Sunny	Moderate	Mid-Ebb	Middle	5.7	14:30	7.36	8.33	27.98	22.87	2.54	12	112	0.129	E
S3	20191129	Sunny	Moderate	Mid-Ebb	Surface	1.0	14:31	7.66	8.17	28.34	23.01	2.76	10	113	0.199	SE
S3	20191129	Sunny	Moderate	Mid-Ebb	Surface	1.0	14:31	7.14	8.37	27.97	22.75	2.73	11	112	0.248	SE
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.																

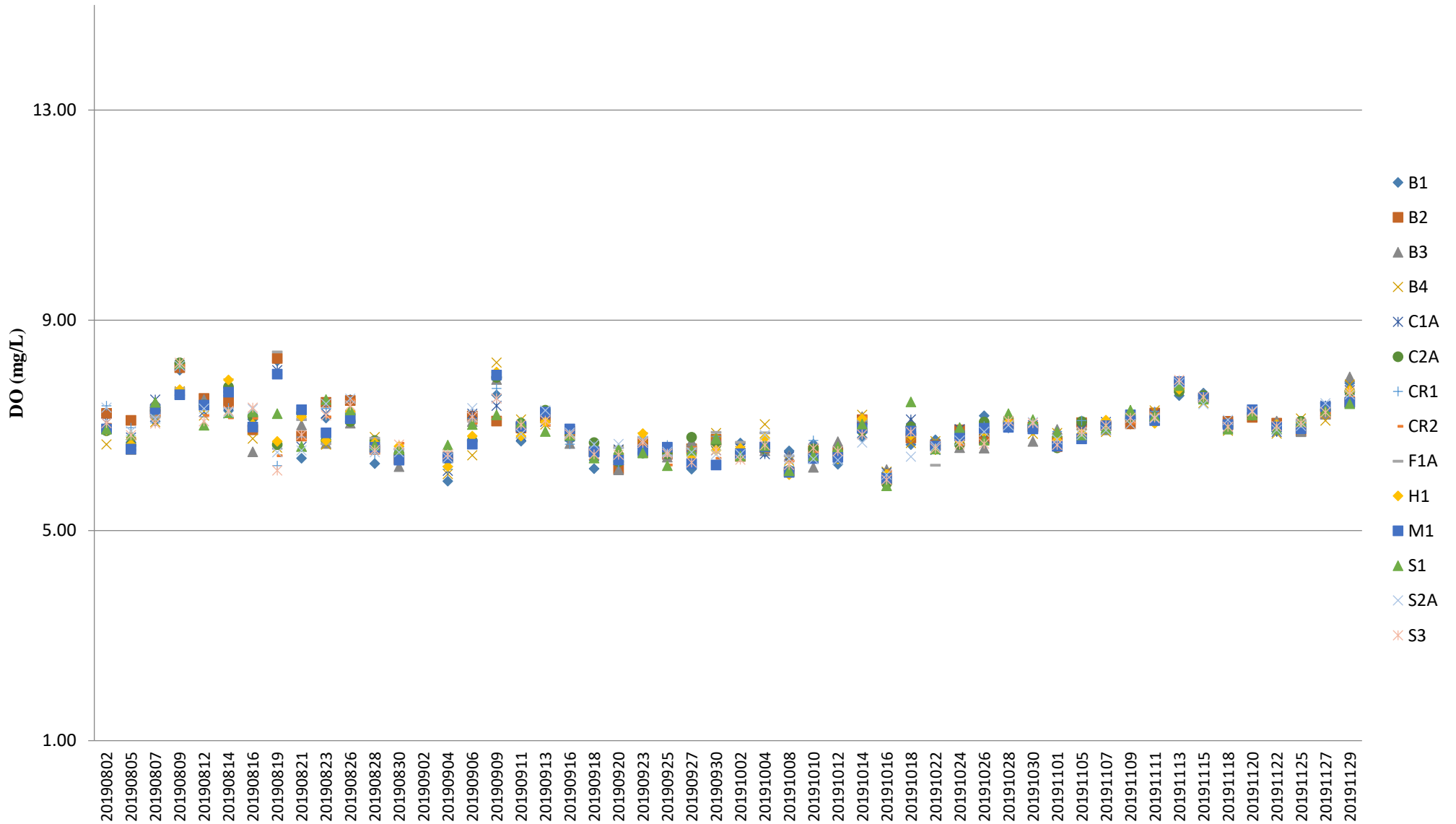
# Salinity (Depth-averaged) during MID-FLOOD



# Salinity (Depth-averaged) during MID-EBB

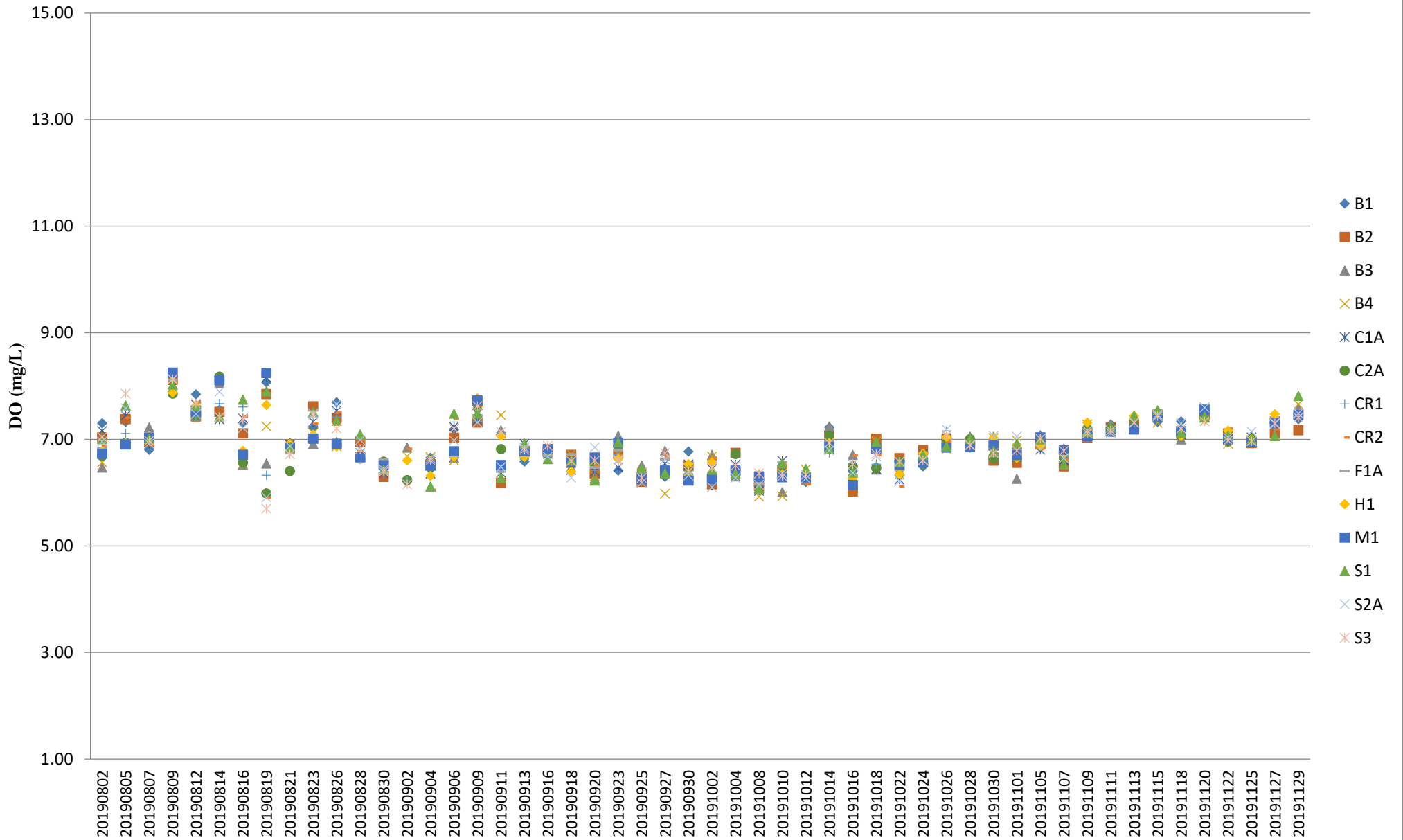


## Dissolved Oxygen (Surface & Middle) during MID-FLOOD



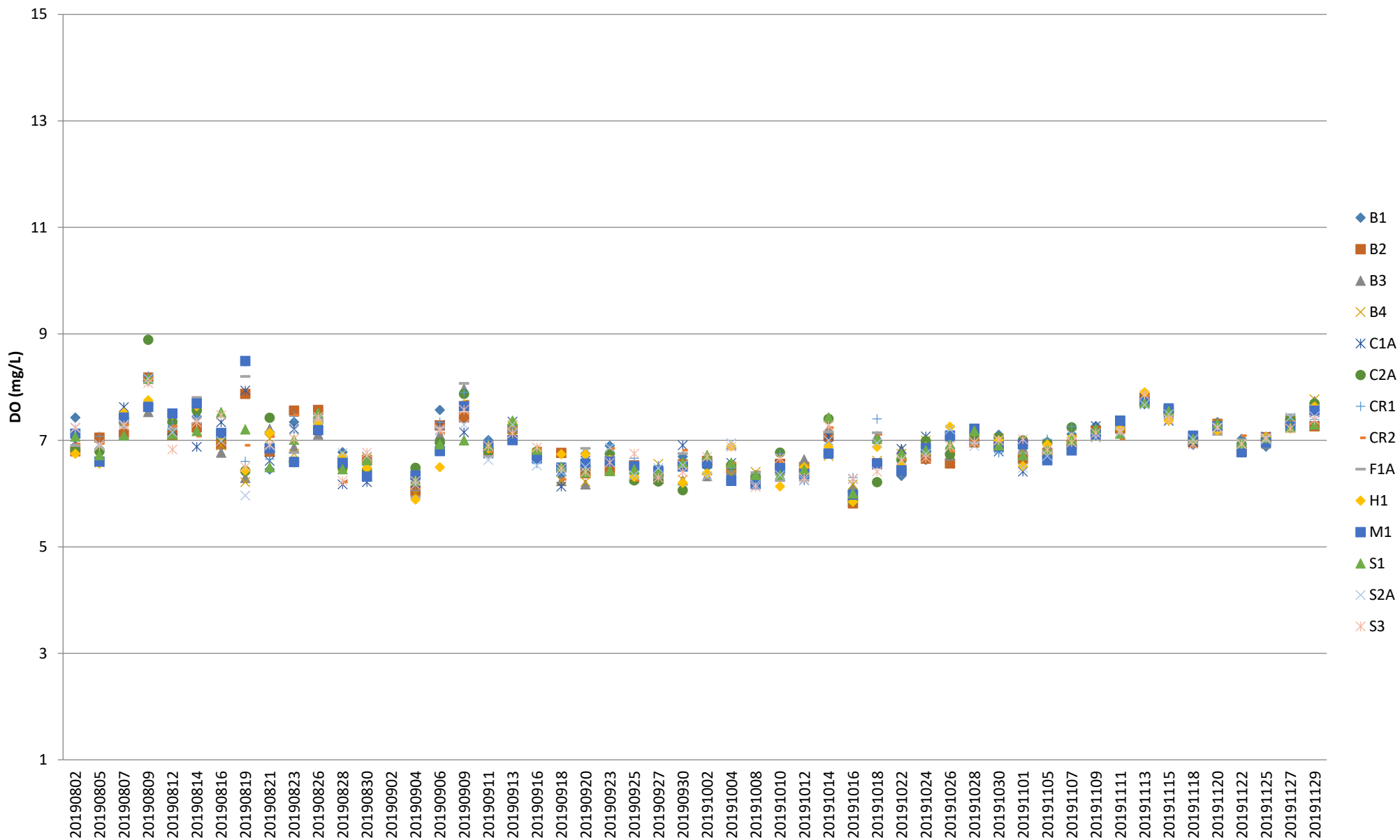
Note: The Action and Limit Level of dissolved oxygen can be referred to **Table 2.7 & 2.8** of the monthly EM&A report.

## Dissolved Oxygen (Surface & Middle) during MID-EBB



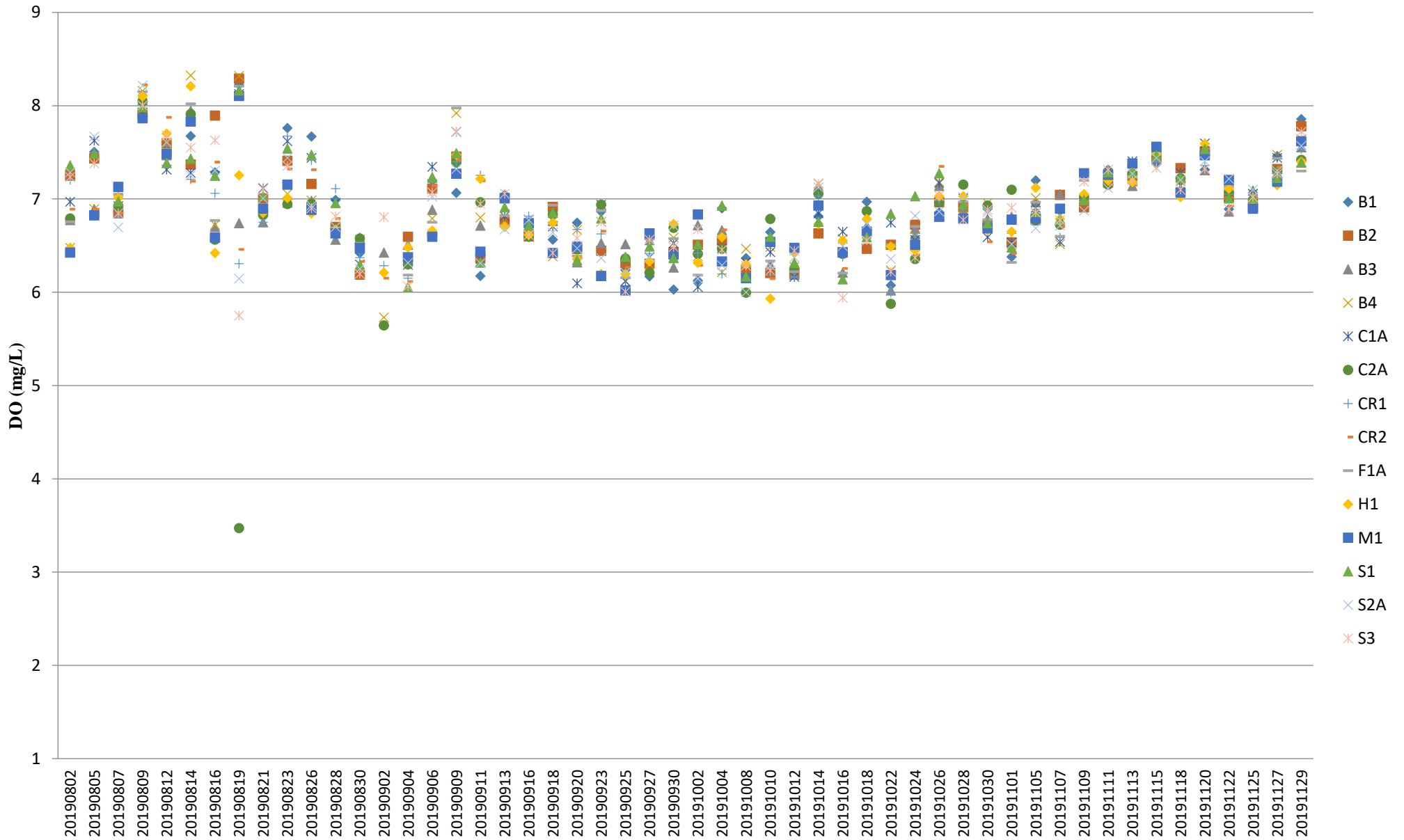
Note: The Action and Limit Level of dissolved oxygen can be referred to **Table 2.7 & 2.8** of the monthly EM&A report.

## 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



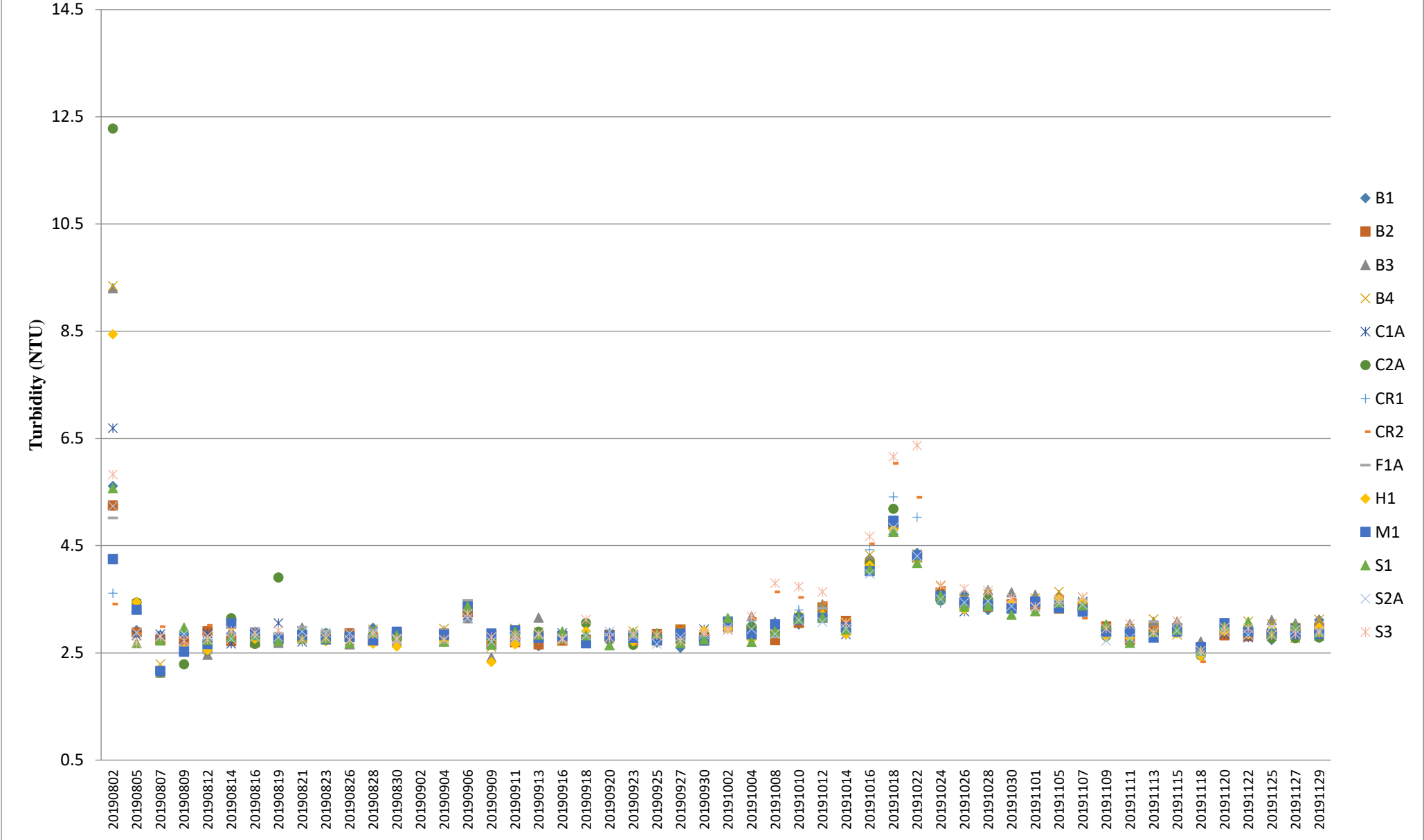
Note: The Action and Limit Level of dissolved oxygen can be referred to **Table 2.7 & 2.8** of the monthly EM&A report.



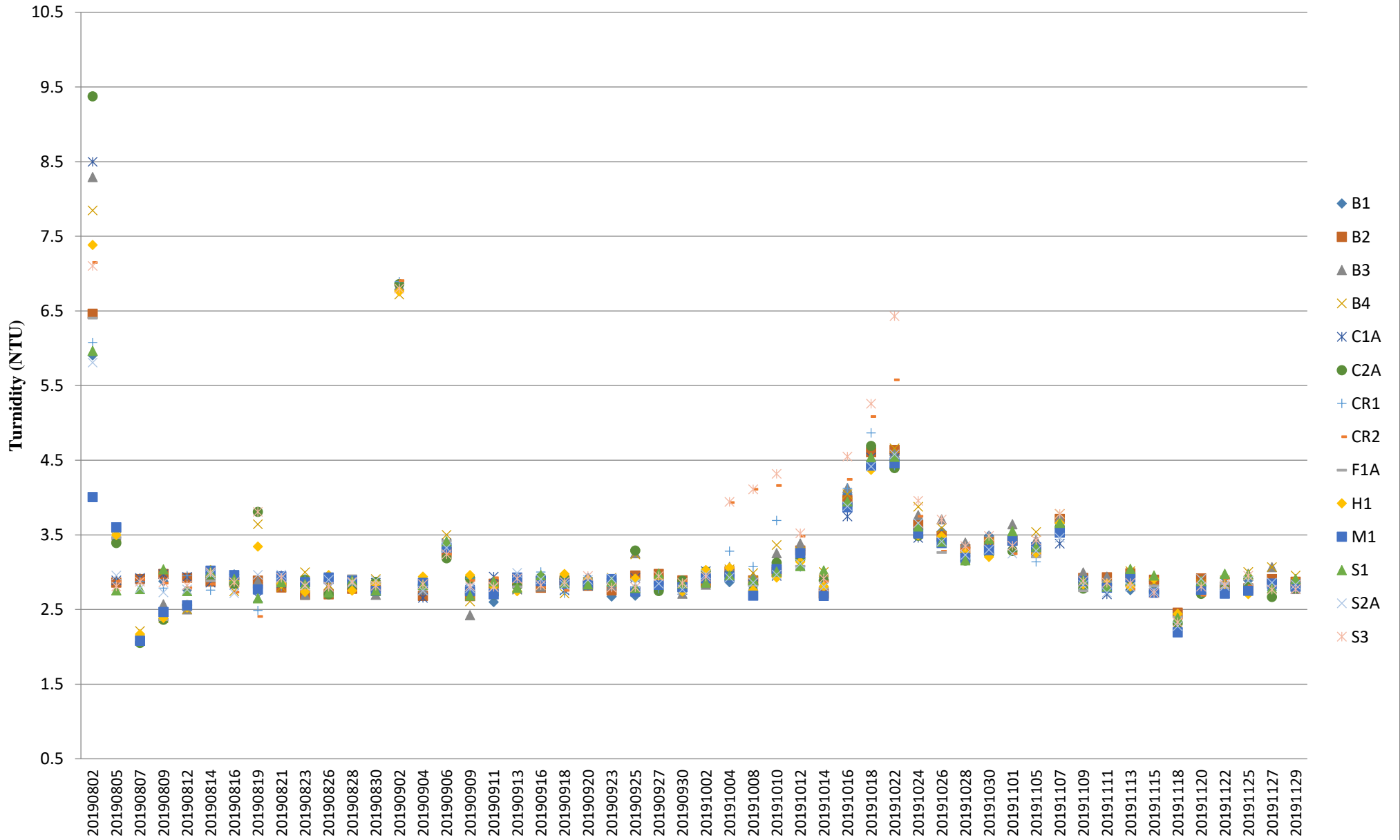




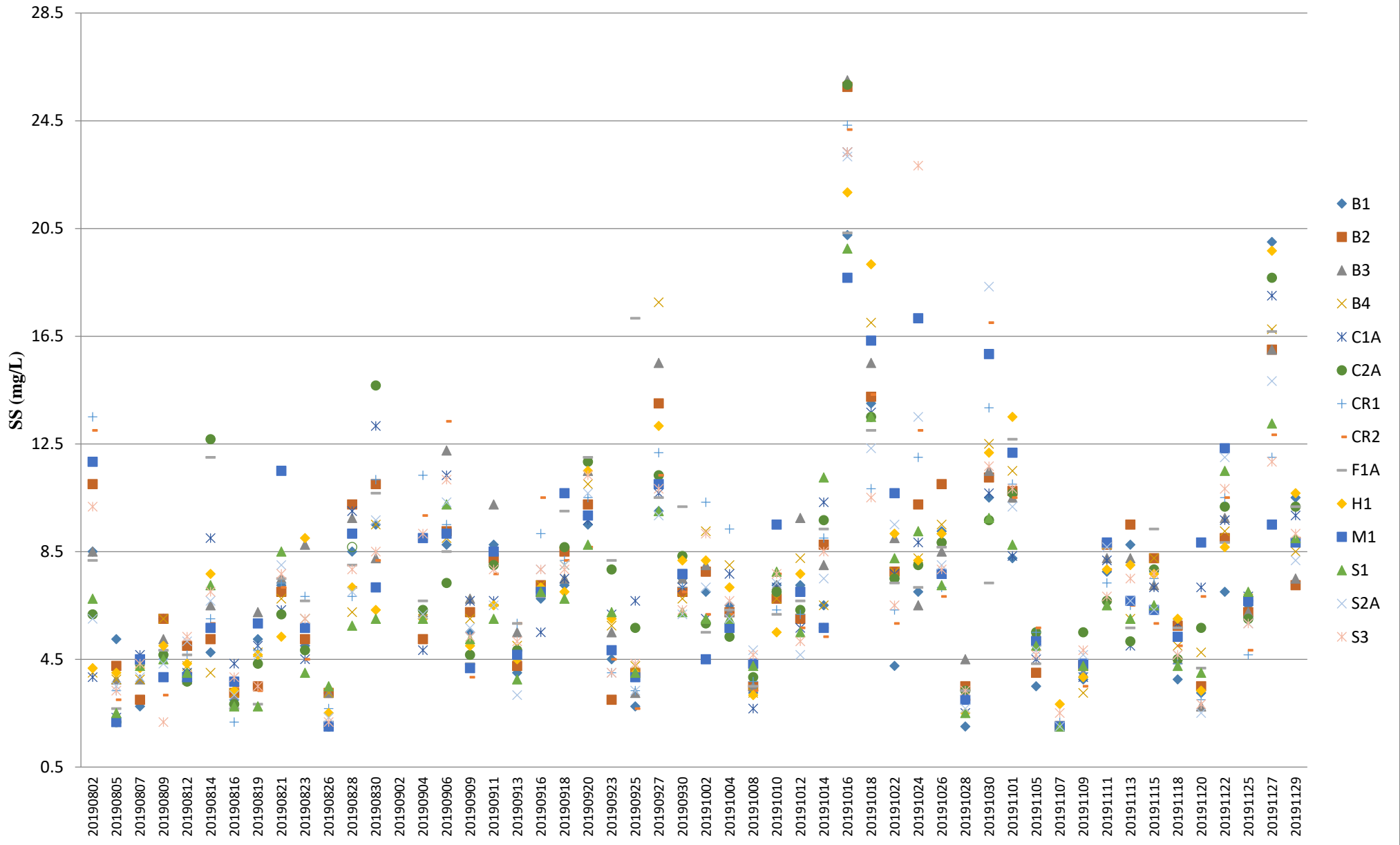
# Turbidity (Depth-averaged) during MID-FLOOD



## Turbidity (Depth-averaged) during MID-EBB

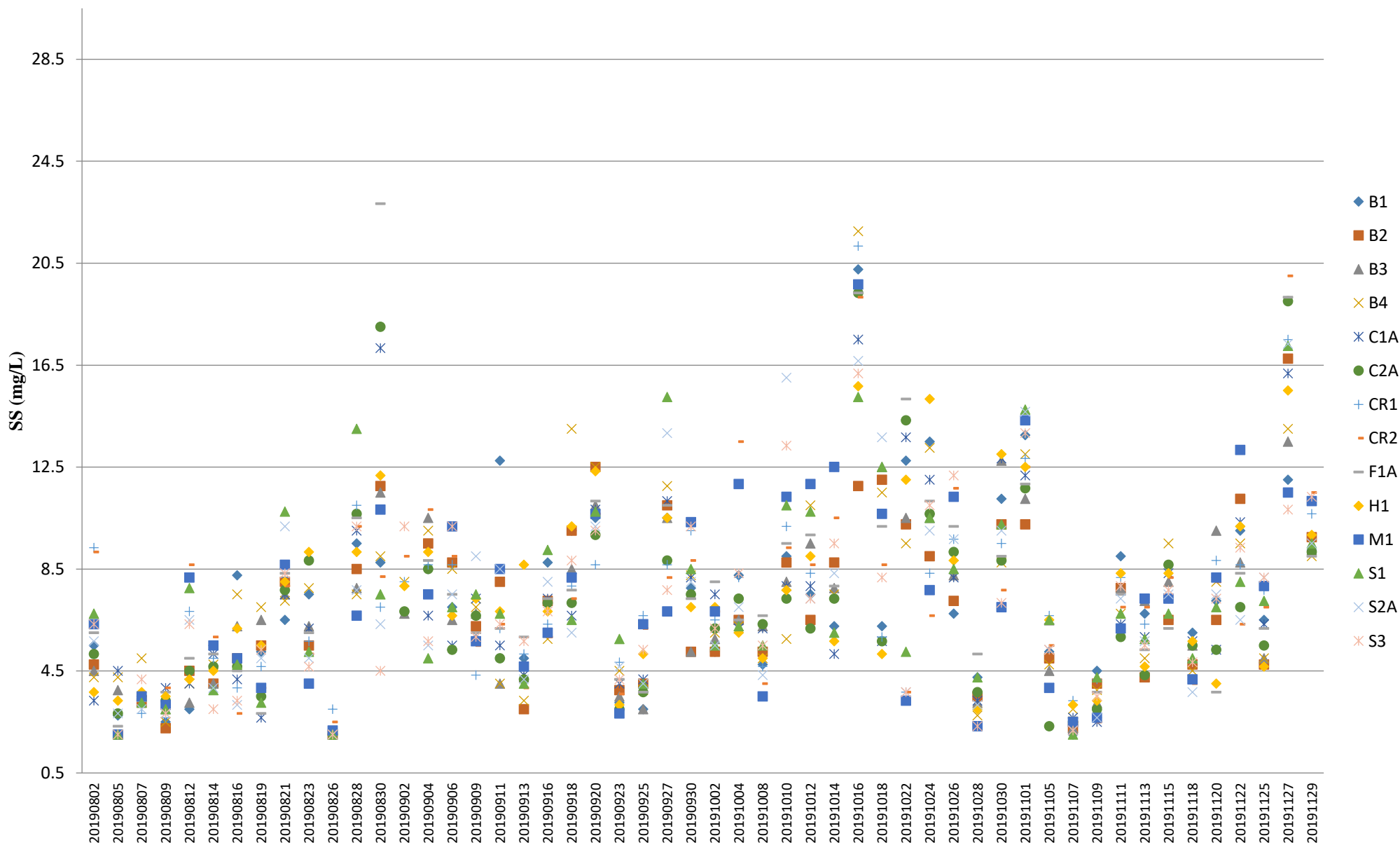


## Suspended Solids (Depth-averaged) during MID-FLOOD



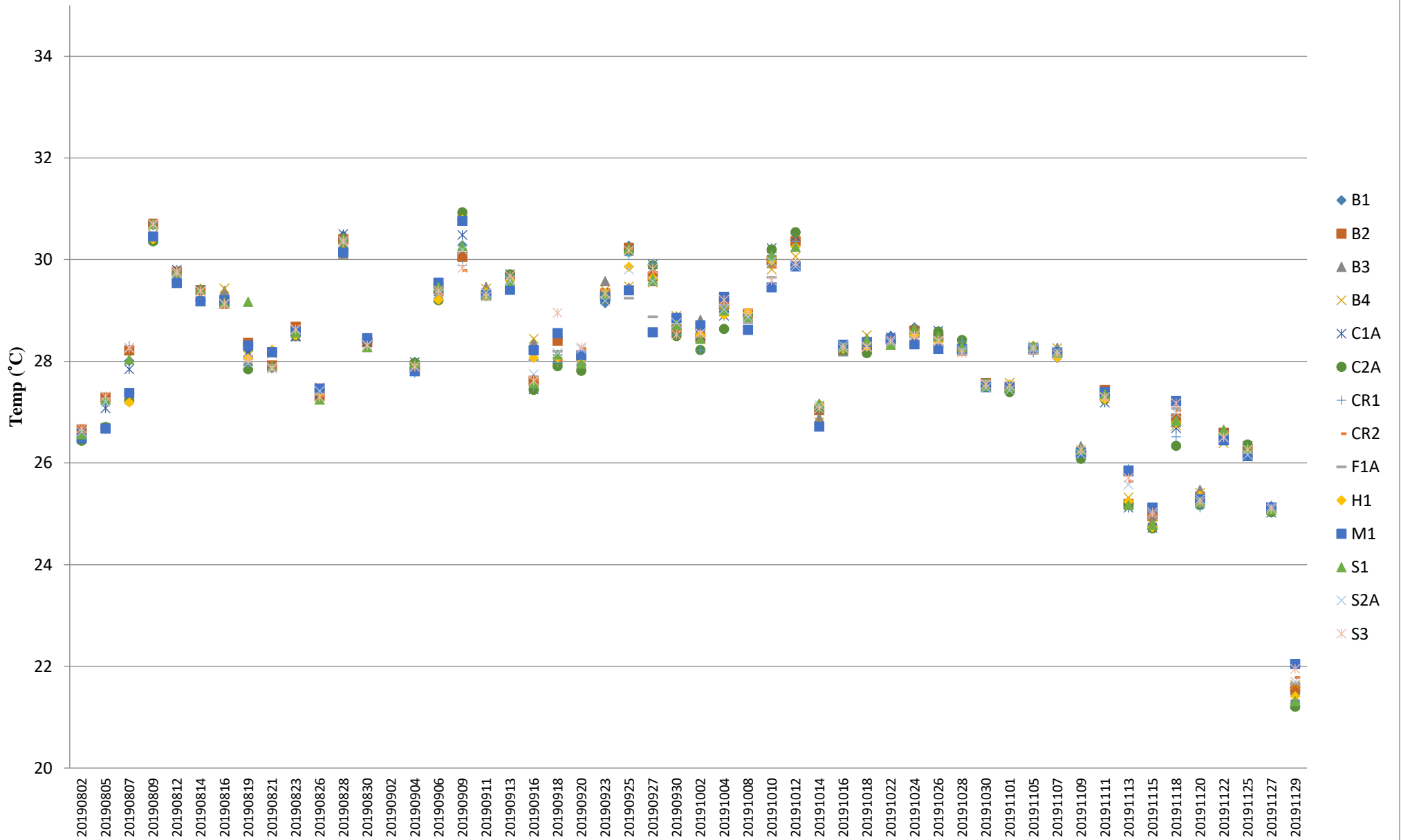
Note: The Action and Limit Level of suspended solids can be referred to **Table 2.7 & 2.8** of the monthly EM&A report.

## Suspended Solids (Depth-averaged) during MID-EBB



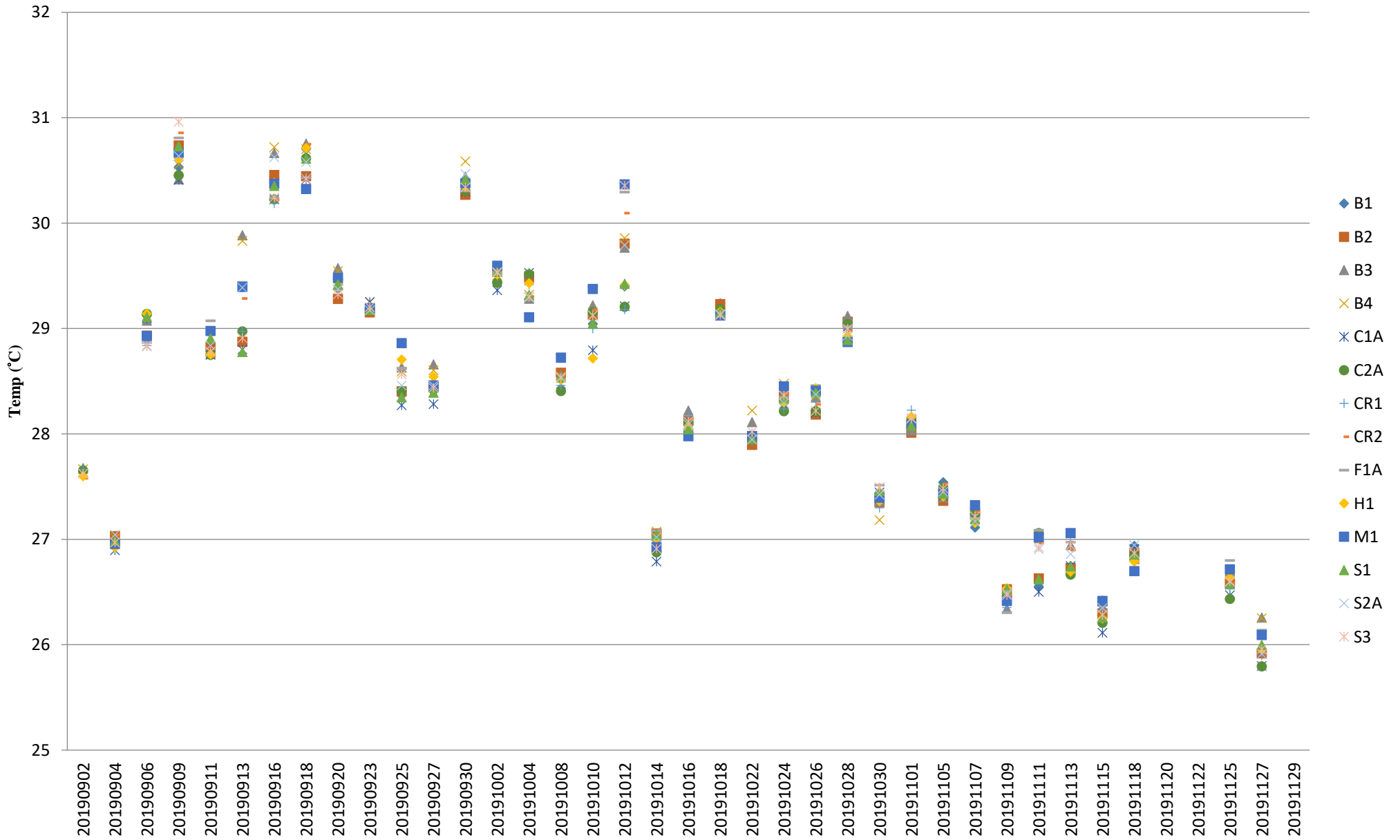
Note: The Action and Limit Level of suspended solids can be referred to **Table 2.7 & 2.8** of the monthly EM&A report.

## Temperature (Depth-averaged) during MID-FLOOD



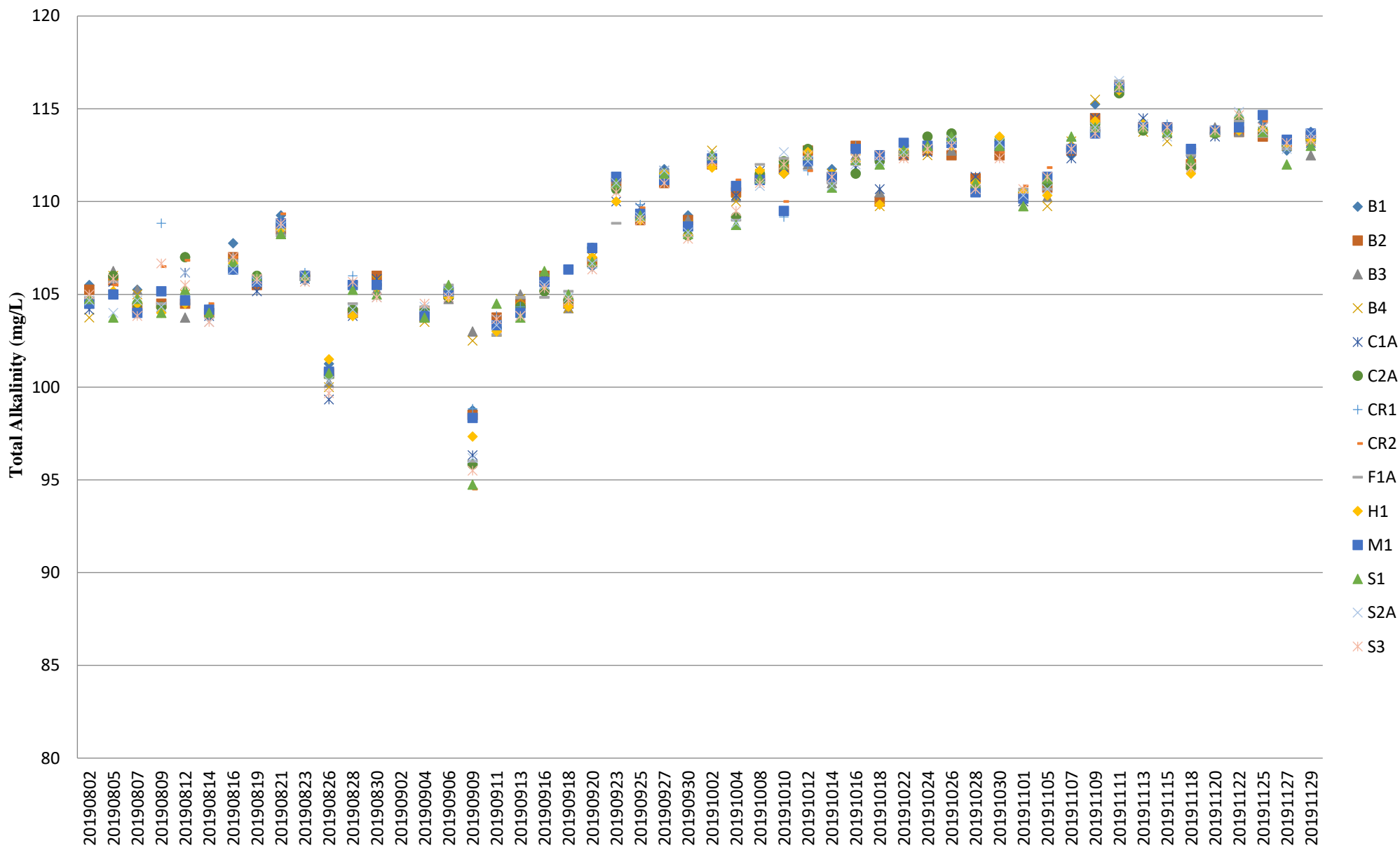
Note: The Action and Limit Level of temperature can be referred to **Table 2.7 & 2.8** of the monthly EM&A report.

## 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.

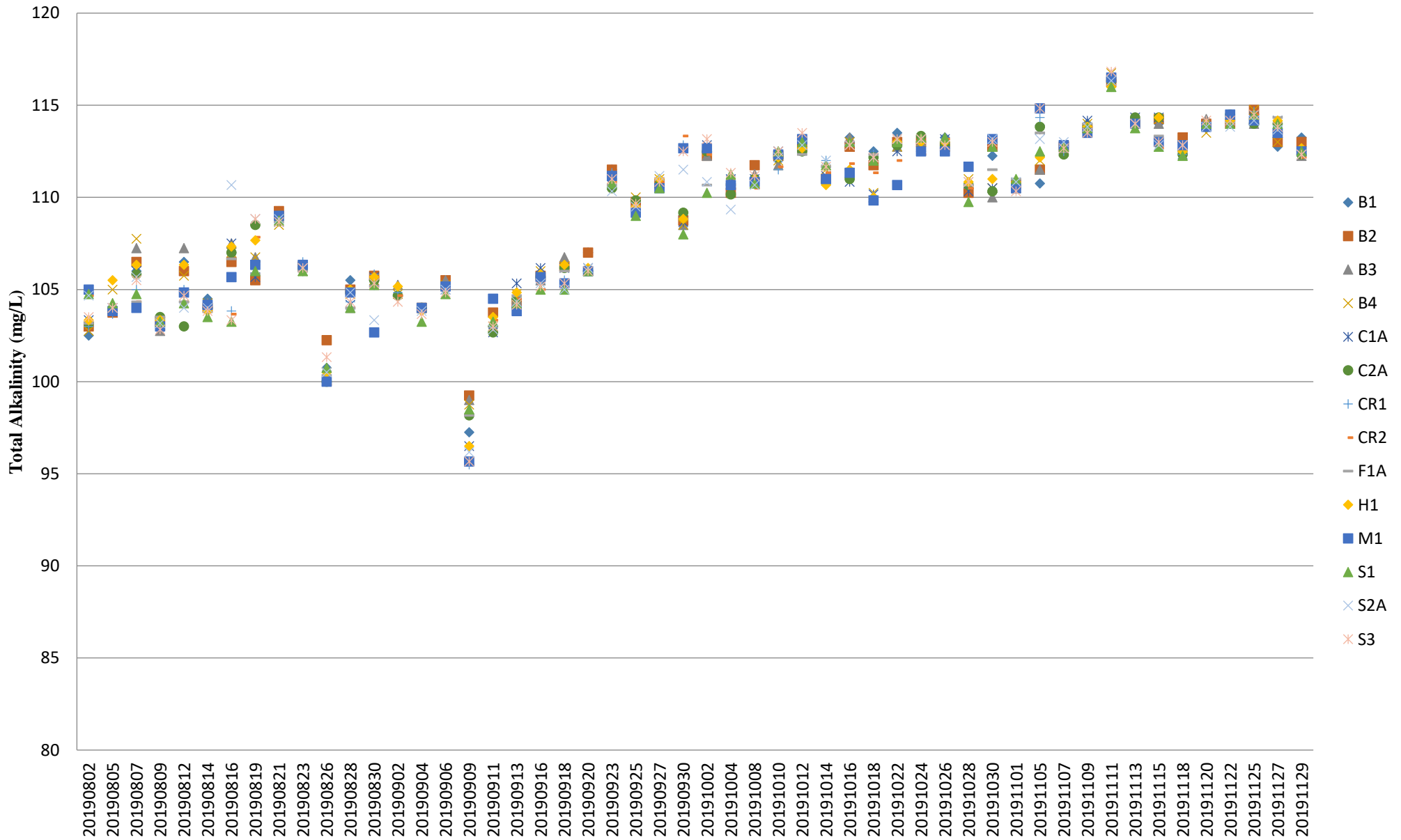
## Total Alkalinity (Depth-averaged) during MID-FLOOD



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.