



**Water Monitoring Result at M5B - Central Cooling Water Intake Group
Mid-Flood Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature			pH			Salinity		DO Saturation		DO		Turbidity			Suspended Solids				
			m		°C		-		ppt		%		mg/L		NTU		mg/L							
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average						
01/02/2018	17:11	Cloudy	Middle	3.0	15.00	15.00	15.00	8.22	8.22	8.22	32.24	32.24	32.29	84.0	82.1	83.8	7.02	6.82	6.97	1.21	1.11	1.16	7	5.50
	17:12		Middle	3.0	15.00	15.00	15.00	8.22	8.22	8.22	32.34	32.34	32.29	85.7	83.4	83.8	7.12	6.93	6.97	1.13	1.19	1.16	4	
03/02/2018	08:34	Fine	Middle	3.5	14.30	14.30	14.30	7.54	7.54	7.54	39.81	39.81	39.82	72.7	72.1	71.6	6.07	6.03	5.97	5.53	5.55	5.47	6	6.50
	08:36		Middle	3.5	14.30	14.30	14.30	7.54	7.54	7.54	39.82	39.82	39.82	71.3	70.3	71.6	5.95	5.84	5.97	5.47	5.34	5.47	7	
05/02/2018	11:50	Fine	Middle	4.0	14.60	14.60	14.55	8.29	8.29	8.30	31.92	31.92	31.92	87.8	88.1	88.4	7.35	7.37	7.39	3.24	3.25	3.25	6	5.50
	11:52		Middle	4.0	14.50	14.50	14.55	8.31	8.31	8.30	31.92	31.92	31.92	88.7	88.8	88.4	7.42	7.43	7.39	3.26	3.26	3.25	5	
07/02/2018	10:00	Fine	Middle	4.0	14.60	14.60	14.60	8.30	8.30	8.31	31.91	31.91	31.95	90.5	90.5	90.4	7.56	7.56	7.55	3.32	3.37	3.37	5	4.50
	10:02		Middle	4.0	14.60	14.60	14.60	8.31	8.31	8.31	31.99	31.99	31.95	90.5	90.0	90.4	7.56	7.52	7.55	3.39	3.40	3.37	4	
09/02/2018	14:59	Fine	Middle	3.5	15.40	15.40	15.45	8.11	8.11	8.12	33.10	33.10	33.10	86.1	87.8	87.9	7.03	7.16	7.17	3.41	3.17	3.15	7	6.50
	15:01		Middle	3.5	15.50	15.50	15.45	8.13	8.13	8.12	33.09	33.09	33.10	88.7	88.9	87.9	7.24	7.26	7.17	3.01	2.99	3.15	6	
12/02/2018	13:55	Fine	Middle	4.0	16.70	16.70	16.80	8.25	8.25	8.28	32.19	32.19	32.18	98.0	98.0	97.6	7.83	7.82	7.79	1.83	1.82	1.81	6	5.00
	13:57		Middle	4.0	16.90	16.90	16.80	8.30	8.30	8.28	32.16	32.16	32.18	97.1	97.3	97.6	7.75	7.76	7.79	1.80	1.80	1.81	4	
14/02/2018	17:35	Fine	Middle	3.5	16.00	16.00	16.05	8.32	8.32	8.32	32.09	32.00	32.06	93.2	93.3	93.3	7.57	7.58	7.57	2.53	2.57	2.58	3	3.50
	17:37		Middle	3.5	16.10	16.10	16.05	8.32	8.32	8.32	32.08	32.08	32.06	93.3	93.2	93.3	7.58	7.56	7.57	2.61	2.61	2.58	4	
20/02/2018	11:00	Fine	Middle	3.5	18.60	18.60	18.75	8.17	8.17	8.17	31.10	31.10	31.10	89.0	89.2	89.0	6.90	6.91	6.90	3.56	3.59	3.56	6	5.00
	11:02		Middle	3.5	18.90	18.90	18.75	8.17	8.17	8.17	31.09	31.09	31.10	89.6	88.3	89.0	6.93	6.85	6.90	3.56	3.53	3.56	4	
22/02/2018	09:50	Cloudy	Middle	4.0	16.60	16.60	16.60	8.16	8.16	8.17	31.69	31.69	31.69	84.7	84.9	85.0	6.82	6.84	6.84	2.83	2.84	2.87	6	6.00
	09:52		Middle	4.0	16.60	16.60	16.60	8.17	8.17	8.17	31.68	31.68	31.69	85.2	85.1	85.0	6.86	6.85	6.84	2.90	2.91	2.87	6	
24/02/2018	10:50	Cloudy	Middle	4.0	17.10	17.10	17.10	8.14	8.14	8.15	31.80	31.80	31.81	88.3	88.2	87.8	7.04	7.03	6.99	2.50	2.60	2.59	6	5.50
	10:52		Middle	4.0	17.10	17.10	17.10	8.16	8.16	8.15	31.82	31.82	31.81	87.5	87.3	87.8	6.95	6.94	6.99	2.62	2.63	2.59	5	
26/02/2018	13:35	Cloudy	Middle	4.0	17.30	17.30	17.30	8.10	8.10	8.12	31.73	31.73	31.73	90.4	90.7	90.5	7.18	7.20	7.19	3.94	3.89	3.96	8	7.00
	13:37		Middle	4.0	17.30	17.30	17.30	8.13	8.13	8.12	31.73	31.73	31.73	90.8	90.2	90.5	7.20	7.16	7.19	4.00	4.02	3.96	6	
28/02/2018	16:55	Fine	Middle	4.0	19.30	19.30	19.40	8.10	8.10	8.11	31.78	31.39	31.58	92.0	92.0	91.8	7.02	7.01	6.99	2.71	2.68	2.68	4	4.00
	16:57		Middle	4.0	19.50	19.50	19.40	8.11	8.11	8.11	31.77	31.38	31.58	91.7	91.5	91.8	6.98	6.96	6.99	2.66	2.65	2.68	4	

Remarks:
Single underline denotes exceedance over Action Level.
Double underline denotes exceedance over Limit Level.



**Water Monitoring Result at Culvert J - Reference Station
Mid-Flood Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature		pH		Salinity		DO Saturation		DO		Turbidity		Suspended Solids							
			m		°C		-		ppt		%		mg/L		NTU		mg/L							
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average						
01/02/2018	17:20	Cloudy	Middle	3.0	15.20	15.20	15.20	8.17	8.17	8.17	29.74	29.74	29.74	82.0	82.8	82.7	6.86	6.93	6.91	14.78	14.66	14.38	7	7.50
	17:21		Middle	3.0	15.20	15.20		8.17	8.17		29.74	29.74		83.5	82.4		6.93	6.91		13.97	14.11		8	
03/02/2018	08:30	Fine	Middle	3.5	14.00	14.00	14.00	7.35	7.38	7.37	38.05	38.05	38.04	64.1	67.4	67.0	5.49	5.76	5.71	7.21	7.22	7.23	7	6.00
	08:32		Middle	3.5	14.00	14.00		7.38	7.38		38.03	38.03		68.5	68.0		5.81	5.78		7.25	7.24		5	
05/02/2018	11:45	Fine	Middle	3.5	14.50	14.50	14.40	8.27	8.27	8.27	30.58	30.58	30.58	85.4	85.4	85.6	7.27	7.23	7.26	5.01	5.01	5.01	6	5.00
	11:47		Middle	3.5	14.30	14.30		8.27	8.27		30.58	30.58		85.7	85.7		7.26	7.26		5.01	5.00		4	
07/02/2018	09:55	Fine	Middle	3.5	14.50	14.50	14.50	8.26	8.26	8.28	31.71	31.71	31.71	89.4	89.2	89.0	7.50	7.48	7.47	3.07	3.10	3.09	5	5.00
	09:57		Middle	3.5	14.50	14.50		8.30	8.30		31.71	31.71		88.8	88.6		7.45	7.43		3.10	3.10		5	
09/02/2018	14:55	Fine	Middle	3.5	15.90	15.90	16.00	8.01	8.01	8.04	33.06	33.06	33.04	97.5	99.4	98.8	7.57	8.02	7.90	2.25	2.25	2.32	7	7.50
	14:57		Middle	3.5	16.10	16.10		8.07	8.07		33.02	33.02		99.3	99.1		8.02	7.99		2.38	2.39		8	
12/02/2018	13:50	Fine	Middle	3.5	16.70	16.70	16.75	8.31	8.31	8.32	31.56	31.56	31.56	94.7	95.1	94.7	7.60	7.64	7.60	3.69	3.67	3.68	6	6.50
	13:52		Middle	3.5	16.80	16.80		8.32	8.32		31.56	31.56		94.4	94.6		7.58	7.59		3.68	3.66		7	
14/02/2018	17:30	Fine	Middle	3.5	16.30	16.30	16.35	8.30	8.30	8.30	31.45	31.45	31.45	92.9	92.9	92.9	7.52	7.52	7.52	4.26	4.26	4.32	4	4.00
	17:32		Middle	3.5	16.40	16.40		8.30	8.30		31.45	31.45		92.9	93.0		7.51	7.52		4.38	4.38		4	
20/02/2018	11:05	Fine	Middle	3.5	18.00	18.00	18.10	8.19	8.19	8.20	31.68	31.68	31.67	90.8	91.0	90.7	7.09	7.11	7.08	3.48	3.49	3.51	4	3.50
	11:07		Middle	3.5	18.20	18.20		8.20	8.20		31.65	31.65		90.5	90.3		7.07	7.05		3.52	3.54		3	
22/02/2018	09:45	Cloudy	Middle	3.5	16.70	16.70	16.75	8.13	8.13	8.13	30.29	30.29	30.29	80.3	80.4	80.4	6.50	6.51	6.51	5.07	5.12	5.12	5	5.00
	09:47		Middle	3.5	16.80	16.80		8.12	8.12		30.29	30.29		80.4	80.6		6.50	6.52		5.13	5.17		5	
24/02/2018	10:45	Cloudy	Middle	3.5	17.30	17.30	17.30	8.13	8.13	8.13	31.08	31.08	31.08	82.4	82.4	82.4	6.57	6.56	6.57	4.17	4.18	4.18	7	6.00
	10:47		Middle	3.5	17.30	17.30		8.13	8.13		31.08	31.08		82.4	82.4		6.57	6.56		4.17	4.18		5	
26/02/2018	13:30	Cloudy	Middle	3.5	17.60	17.60	17.65	8.09	8.09	8.08	29.55	29.55	29.55	78.1	78.8	78.3	6.24	6.29	6.25	6.53	6.52	6.49	10	9.50
	13:32		Middle	3.5	17.70	17.70		8.07	8.07		29.54	29.54		78.3	77.9		6.25	6.21		6.48	6.44		9	
28/02/2018	16:30	Fine	Middle	3.5	19.90	19.90	20.05	8.09	8.09	8.09	31.39	31.39	31.39	86.1	85.8	85.8	6.50	6.47	6.47	4.79	4.78	4.48	5	4.00
	16:32		Middle	3.5	20.20	20.20		8.09	8.09		31.38	31.38		85.8	85.5		6.46	6.45		4.82	3.84		3	

Remarks:
Single underline denotes exceedance over Action Level.
Double underline denotes exceedance over Limit Level.



**Water Monitoring Result at M5B - Central Colling Water Intake Group
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature			pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids					
					°C			-			ppt		%		mg/L		NTU		mg/L					
					Value	Average		Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average				
01/02/2018	13:50	Cloudy	Middle	4.0	15.70	15.70	15.65	8.33	8.33	8.34	31.92	31.92	31.93	89.9	90.3	90.2	7.36	7.39	7.38	3.09	3.08	3.10	3	4.00
	13:52		Middle	4.0	15.60	15.60		8.34	8.34		31.93	31.93		90.4	90.1		7.40	7.37		3.11	3.11		5	
03/02/2018	13:47	Fine	Middle	3.0	15.10	15.10	15.05	8.17	8.17	8.18	32.80	32.80	32.87	87.7	87.8	88.5	7.72	7.23	7.38	5.34	5.29	5.31	6	5.50
	13:49		Middle	3.0	15.00	15.00		8.19	8.19		32.93	32.93		88.5	89.3		7.28	7.27		5.28	5.34		5	
05/02/2018	17:05	Fine	Middle	4.0	14.80	14.80	14.75	8.25	8.25	8.28	31.75	31.75	31.75	88.7	89.3	89.5	7.42	7.45	7.47	1.61	1.63	1.64	3	4.00
	17:07		Middle	4.0	14.70	14.70		8.30	8.30		31.75	31.75		90.1	90.0		7.51	7.50		1.65	1.68		5	
07/02/2018	18:25	Cloudy	Middle	4.0	14.80	14.80	14.80	8.31	8.31	8.32	31.97	31.97	31.97	91.3	91.0	91.0	7.60	7.58	7.58	4.31	4.34	4.35	5	5.50
	18:27		Middle	4.0	14.80	14.80		8.32	8.32		31.97	31.97		90.7	90.8		7.56	7.56		4.37	4.39		6	
09/02/2018	18:53	Cloudy	Middle	3.5	15.70	15.70	15.70	8.29	8.29	8.29	32.62	32.62	32.62	87.0	87.3	87.4	7.08	7.10	7.10	1.47	1.45	1.42	3	3.00
	18:54		Middle	3.5	15.70	15.70		8.29	8.29		32.62	32.62		88.3	87.0		7.13	7.07		1.36	1.40		3	
12/02/2018	22:10	Cloudy	Middle	3.5	15.70	15.70	15.70	8.24	8.24	8.24	32.31	32.31	32.31	81.5	82.7	82.0	6.78	6.88	6.85	2.44	2.21	2.34	2	3.00
	22:11		Middle	3.5	15.70	15.70		8.24	8.24		32.31	32.31		82.9	81.0		6.99	6.75		2.39	2.30		4	
15/02/2018	21:25	Cloudy	Middle	3.5	16.50	16.50	16.50	8.28	8.28	8.28	32.61	32.61	32.61	82.9	84.5	84.1	6.64	6.76	6.73	1.21	1.28	1.29	6	4.50
	21:26		Middle	3.5	16.50	16.50		8.28	8.28		32.61	32.61		84.8	84.0		6.79	6.73		1.31	1.35		3	
20/02/2018	13:50	Cloudy	Middle	4.0	18.70	18.70	18.80	8.17	8.17	8.17	31.82	31.82	31.80	91.0	90.9	90.9	6.99	6.97	6.97	1.34	1.33	1.31	3	2.50
	13:52		Middle	4.0	18.90	18.90		8.17	8.17		31.78	31.78		91.5	90.2		7.01	6.90		1.30	1.27		2	
22/02/2018	17:40	Cloudy	Middle	3.5	16.30	16.30	16.25	8.22	8.22	8.22	31.85	31.85	31.85	88.1	88.4	88.3	7.13	7.15	7.14	7.22	7.21	4.72	5	5.50
	17:42		Middle	3.5	16.20	16.20		8.22	8.22		31.84	31.84		88.4	88.2		7.15	7.14		2.22	2.23		6	
24/02/2018	20:32	Cloudy	Middle	3.0	17.20	17.20	17.20	8.09	8.09	8.09	32.31	32.31	32.31	82.8	83.1	83.5	6.55	6.57	6.60	1.71	1.76	1.67	<2	2.00
	20:33		Middle	3.0	17.20	17.20		8.09	8.09		32.31	32.31		84.2	84.0		6.65	6.64		1.62	1.60		2	
26/02/2018	18:56	Cloudy	Middle	3.0	17.00	17.00	17.00	8.11	8.11	8.11	32.27	32.27	32.27	88.0	88.1	87.5	6.98	6.99	6.94	1.86	1.73	1.88	4	5.00
	18:57		Middle	3.0	17.00	17.00		8.11	8.11		32.27	32.27		86.9	87.0		6.89	6.91		2.02	1.91		6	
28/02/2018	21:42	Fine	Middle	3.5	20.20	20.20	20.20	8.09	8.09	8.09	32.23	32.23	32.23	80.8	82.9	82.4	6.16	6.33	6.28	1.41	1.32	1.35	5	6.50
	21:43		Middle	3.5	20.20	20.20		8.09	8.09		32.23	32.23		83.3	82.7		6.36	6.27		1.36	1.30		8	

Remarks:
Single underline denotes exceedance over Action Level.
Double underline denotes exceedance over Limit Level.



**Water Monitoring Result at Culvert J - Reference Station
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature			pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids					
					°C			-			ppt		%		mg/L		NTU		mg/L					
					Value	Average		Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average				
01/02/2018	13:45	Cloudy	Middle	4	15.40	15.40	15.40	8.31	8.31	8.32	31.64	31.64	31.64	91.4	90.9	91.1	7.53	7.49	7.51	3.54	3.53	3.53	2	3.00
	13:47		Middle	4	15.40	15.40		8.33	8.33		31.64	31.64		91.1	91.0		7.51	7.50		3.52	3.52		4	
03/02/2018	13:43	Fine	Middle	3	15.20	15.20	15.15	8.13	8.13	8.15	32.28	32.28	32.28	82.9	81.9	81.5	6.78	6.72	6.70	3.97	3.94	3.92	2	3.00
	13:45		Middle	3	15.10	15.10		8.17	8.17		32.27	32.27		80.6	80.4		6.65	6.64		3.90	3.86		4	
05/02/2018	17:00	Fine	Middle	4	14.90	14.90	14.90	8.29	8.29	8.27	27.15	27.15	27.16	78.0	78.4	78.0	6.67	6.70	6.67	11.09	11.17	11.19	7	7.50
	17:02		Middle	4	14.90	14.90		8.25	8.25		27.16	27.16		77.9	77.6		6.66	6.64		11.23	11.27		8	
07/02/2018	18:20	Cloudy	Middle	4	15.00	15.00	15.00	8.28	8.28	8.28	30.24	30.24	30.25	86.7	87.0	86.8	7.26	7.29	7.27	6.69	6.73	6.68	5	6.00
	18:22		Middle	4	15.00	15.00		8.28	8.28		30.25	30.25		86.7	86.7		7.26	7.26		6.71	6.59		7	
09/02/2018	18:58	Cloudy	Middle	3	15.80	15.80	15.80	8.17	8.17	8.17	30.05	30.05	30.05	79.6	80.0	80.4	6.56	6.60	6.63	7.72	7.84	7.89	5	5.00
	18:59		Middle	3	15.80	15.80		8.17	8.17		30.05	30.05		81.6	80.5		6.73	6.64		7.97	8.03		5	
12/02/2018	22:17	Cloudy	Middle	3	15.40	15.40	15.40	7.57	7.55	7.56	24.80	24.80	24.80	12.7	13.1	13.3	1.11	1.15	1.16	8.47	8.54	8.39	10	9.00
	22:18		Middle	3	15.40	15.40		7.55	7.55		24.80	24.80		13.5	13.8		1.18	1.21		8.24	8.30		8	
15/02/2018	21:33	Cloudy	Middle	3	16.70	16.70	16.70	7.94	7.93	7.93	29.33	29.33	29.33	59.7	60.6	59.9	4.86	4.94	4.88	1.69	1.73	1.77	8	8.00
	21:34		Middle	3	16.70	16.70		7.92	7.92		29.33	29.33		59.8	59.3		4.87	4.83		1.88	1.76		8	
20/02/2018	13:55	Cloudy	Middle	4	18.60	18.60	18.75	8.18	8.18	8.18	31.42	31.42	31.42	86.6	86.9	86.3	6.70	6.72	6.67	2.35	2.40	2.41	7	6.00
	13:57		Middle	4	18.90	18.90		8.17	8.17		31.41	31.41		85.8	85.7		6.63	6.62		2.46	2.43		5	
22/02/2018	17:35	Cloudy	Middle	4	16.20	16.20	16.20	8.21	8.21	8.21	31.78	31.78	31.78	87.7	87.9	87.7	7.10	7.12	7.10	1.77	1.77	1.76	5	4.00
	17:37		Middle	4	16.20	16.20		8.21	8.21		31.78	31.78		87.8	87.2		7.12	7.07		1.75	1.73		3	
24/02/2018	20:39	Cloudy	Middle	3	17.30	17.30	17.30	7.91	7.91	7.91	29.50	29.50	29.50	72.6	72.6	72.8	5.84	5.84	5.85	3.80	3.48	3.53	3	3.00
	20:40		Middle	3	17.30	17.30		7.91	7.91		29.50	29.50		72.9	73.1		5.86	5.87		3.56	3.26		3	
26/02/2018	19:02	Cloudy	Middle	3	16.90	16.90	16.90	8.08	8.08	8.08	31.67	31.67	31.67	80.1	80.6	80.8	6.41	6.44	6.46	2.39	2.41	2.51	6	6.50
	19:02		Middle	3	16.90	16.90		8.08	8.08		31.67	31.67		81.3	81.1		6.50	6.49		2.55	2.69		7	
28/02/2018	21:50	Fine	Middle	3	20.10	20.10	20.10	7.63	7.61	7.61	26.27	26.27	26.27	13.6	13.6	13.7	1.07	1.07	1.08	16.11	16.23	16.32	10	12.50
	21:51		Middle	3	20.10	20.10		7.60	7.60		26.27	26.27		13.7	13.8		1.08	1.09		16.58	16.36		15	

Remarks:
Single underline denotes exceedance over Action Level.
Double underline denotes exceedance over Limit Level.



**Water Monitoring Result at M5B - Central Cooling Water Intake Group
Mid-Flood Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature			pH			Salinity		DO Saturation		DO		Turbidity			Suspended Solids				
					°C		-		ppt		%		mg/L		NTU			mg/L						
			m	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average					
02/03/2018	18:17	Cloudy	Middle	3.0	18.80	18.80	18.80	8.13	8.13	8.13	32.06	32.06	32.06	83.9	85.2	85.2	6.43	6.53	6.53	1.43	1.52	1.56	3	4.00
	18:18		Middle	3.0	18.80	18.80		8.13	8.13		32.06	32.06		86.1	85.4		6.60	6.57		1.61	1.66		5	
05/03/2018	10:15	Fine	Middle	4.0	20.60	20.60	20.52	8.16	8.16	8.16	31.08	31.08	31.08	88.7	88.2	88.5	6.64	6.62	6.63	3.43	3.41	3.42	6	5.00
	10:17		Middle	4.0	20.70	20.17		8.16	8.16		31.08	31.08		88.2	88.7		6.62	6.63		3.41	3.41		4	
07/03/2018	09:25	Fine	Middle	4.0	18.10	18.10	18.15	8.13	8.13	8.14	31.40	29.65	30.53	89.6	89.6	89.8	7.01	7.01	7.02	6.69	6.77	6.71	7	6.00
	09:27		Middle	4.0	18.20	18.20		8.15	8.15		31.40	29.65		89.9	89.9		7.03	7.03		6.68	6.69		5	
09/03/2018	11:55	Fine	Middle	4.0	17.50	17.50	17.50	8.20	8.20	8.21	31.45	31.45	31.46	90.7	90.5	90.4	7.18	7.16	7.16	2.70	2.69	2.68	2	2.50
	11:57		Middle	4.0	17.50	17.50		8.21	8.21		31.47	31.47		90.5	90.0		7.17	7.13		2.67	2.66		3	
12/03/2018	13:55	Fine	Middle	4.0	19.20	19.20	19.30	8.23	8.23	8.23	31.68	31.68	31.67	91.8	91.6	91.8	7.01	6.99	7.01	4.06	4.10	4.08	6	5.50
	13:57		Middle	4.0	19.40	19.40		8.23	8.23		31.66	31.66		91.8	92.1		7.01	7.02		4.09	4.07		5	
14/03/2018	15:10	Cloudy	Middle	3.5	18.90	18.90	18.80	8.15	8.15	8.16	32.14	32.14	32.14	81.5	81.7	81.6	6.28	6.30	6.29	9.02	9.01	8.99	13	<u>13.00</u>
	15:12		Middle	3.5	18.70	18.70		8.16	8.16		32.14	32.14		81.6	81.6		6.29	6.29		8.97	8.96		13	
16/03/2018	17:55	Fine	Middle	4.0	20.00	20.00	20.10	8.16	8.16	8.17	31.27	31.27	31.27	89.4	90.1	89.6	6.75	6.79	6.76	7.74	7.72	7.73	8	8.00
	17:57		Middle	4.0	20.20	20.20		8.17	8.17		31.27	31.27		89.8	89.0		6.77	6.71		7.74	7.73		7.73	
19/03/2018	08:40	Cloudy	Middle	4.0	19.80	19.80	19.85	8.19	8.19	8.19	31.40	31.40	31.40	89.1	88.4	88.6	6.75	6.69	6.68	7.43	7.40	7.48	8	7.00
	08:42		Middle	4.0	19.90	19.90		8.19	8.19		31.40	31.40		88.4	88.5		6.69	6.60		7.53	7.54		6	
21/03/2018	11:10	Fine	Middle	4.0	19.40	19.40	19.45	8.19	8.19	8.19	31.57	31.57	31.58	87.9	87.9	87.5	6.70	6.70	6.67	7.63	7.64	7.66	5	5.00
	11:12		Middle	4.0	19.50	19.50		8.19	8.19		31.58	31.58		86.9	87.3		6.62	6.65		7.70	7.68		5	
23/03/2018	11:40	Fine	Middle	4.0	20.30	20.30	20.30	8.15	8.15	8.16	31.64	31.64	31.64	89.6	89.4	89.5	6.72	6.71	6.71	7.04	7.03	6.99	9	9.00
	11:42		Middle	4.0	20.30	20.30		8.17	8.17		31.64	31.64		89.0	89.9		6.67	6.73		6.91	6.99		9	
26/03/2018	10:55	Fine	Middle	4.0	21.00	21.00	21.10	8.16	8.16	8.17	31.86	31.86	31.87	89.6	89.6	89.5	6.61	6.61	6.60	11.80	11.76	11.80	20	<u>20.00</u>
	10:57		Middle	4.0	21.20	21.20		8.17	8.17		31.87	31.87		89.4	89.4		6.59	6.59		11.81	11.83		20	
28/03/2018	14:15	Fine	Middle	4.0	21.90	21.90	21.95	8.15	8.15	8.15	31.68	31.68	31.67	85.7	86.1	85.9	6.24	6.26	6.25	6.70	6.69	6.72	7	6.50
	14:17		Middle	4.0	22.00	22.00		8.14	8.14		31.66	31.66		85.9	85.9		6.24	6.24		6.72	6.75		6	
30/03/2018	17:47	Fine	Middle	3.0	22.00	22.00	22.00	8.06	8.06	8.06	32.14	32.14	32.14	76.4	77.1	76.5	5.26	5.31	5.27	2.78	2.69	2.68	7	8.00
	17:48		Middle	3.0	22.00	22.00		8.06	8.06		32.14	32.14		75.9	76.5		5.22	5.27		2.57	2.66		9	

Remarks:
Single underline denotes exceedance over Action Level.
Double underline denotes exceedance over Limit Level.



**Water Monitoring Result at Culvert J - Reference Station
Mid-Flood Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature		pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids						
					°C		-		ppt		%		mg/L		NTU		mg/L							
			m	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average					
02/03/2018	18:55	Cloudy	Middle	2.5	18.90	18.90	18.90	87.98	87.98	47.98	28.19	28.19	28.19	75.3	76.0	75.1	5.91	5.96	5.89	15.22	15.03	15.03	6	6.00
	18:56		Middle	2.5	18.90	18.90		7.97	7.97		28.19	28.19		74.5	74.5		5.84	5.84		14.97	14.89		6	
05/03/2018	10:10	Fine	Middle	3.5	21.50	21.50	21.55	8.14	8.14	8.14	31.05	31.05	31.05	87.3	87.8	87.7	6.43	6.47	6.45	3.57	3.61	3.60	3	3.00
	10:12		Middle	3.5	21.60	21.60		8.14	8.14		31.05	31.05		87.7	87.8		6.45	6.46		3.62	3.61		3	
07/03/2018	09:20	Fine	Middle	3.5	18.40	18.40	18.45	8.11	8.11	8.10	29.65	29.65	29.65	81.8	81.8	81.9	6.42	6.43	6.43	5.52	5.52	5.56	7	7.00
	09:22		Middle	3.5	18.50	18.50		8.09	8.09		29.65	29.65		82.1	82.0		6.44	6.44		5.57	5.63		7	
09/03/2018	11:48	Fine	Middle	3.5	17.50	17.50	17.50	8.19	8.19	8.19	30.42	30.42	30.42	88.0	87.8	87.8	7.02	7.00	7.00	5.01	5.01	5.01	3	2.50
	11:50		Middle	3.5	17.50	17.50		8.19	8.19		30.41	30.41		87.7	87.5		6.99	6.97		5.01	5.02		2	
12/03/2018	13:50	Fine	Middle	3.5	19.80	19.80	19.95	8.23	8.23	8.23	31.62	31.62	31.62	92.6	92.7	92.3	6.99	6.99	6.96	5.50	5.55	5.53	2	3.00
	13:52		Middle	3.5	20.10	20.10		8.23	8.23		31.62	31.62		91.8	92.1		6.91	6.93		5.52	5.53		4	
14/03/2018	15:05	Cloudy	Middle	3.0	18.90	18.90	18.95	8.04	8.04	8.06	31.29	31.29	31.29	75.9	75.9	75.9	5.85	5.84	5.84	10.95	10.93	10.85	9	10.00
	15:07		Middle	3.0	19.00	19.00		8.07	8.07		31.29	31.29		75.7	75.9		5.83	5.84		10.77	10.75		11	
16/03/2018	17:50	Fine	Middle	3.5	20.40	20.40	20.55	8.14	8.14	8.15	31.23	31.23	31.22	87.7	88.0	87.9	6.56	6.58	6.57	6.47	6.48	6.49	9	9.50
	17:52		Middle	3.5	20.70	20.70		8.15	8.15		31.21	31.21		88.0	87.7		6.58	6.54		6.49	6.51		10	
19/03/2018	08:35	Cloudy	Middle	3.5	20.20	20.20	20.30	8.17	8.17	8.18	31.45	31.45	31.45	86.7	86.3	86.4	6.51	6.48	6.49	7.21	7.21	7.20	8	7.00
	08:37		Middle	3.5	20.40	20.40		8.18	8.18		31.44	31.44		86.1	86.5		6.46	6.49		7.20	7.17		6	
21/03/2018	11:05	Fine	Middle	3.5	19.70	19.70	19.80	8.15	8.15	8.16	30.93	30.93	30.93	80.5	80.0	80.6	6.11	6.08	6.12	7.84	7.89	7.87	6	5.00
	11:07		Middle	3.5	19.90	19.90		8.16	8.16		30.93	30.93		81.4	80.5		6.18	6.11		7.88	7.88		4	
23/03/2018	11:35	Fine	Middle	4.0	20.60	20.60	20.65	8.10	8.10	8.10	29.98	29.98	29.98	80.2	80.2	79.9	6.04	6.04	6.01	8.25	8.22	8.23	8	8.00
	11:37		Middle	4.0	20.70	20.70		8.09	8.09		29.98	29.98		80.0	79.1		6.01	5.95		8.21	8.23		8	
26/03/2018	10:50	Fine	Middle	3.5	21.60	21.60	21.65	8.13	8.13	8.13	30.69	30.69	30.69	80.0	80.4	80.2	5.89	5.92	5.90	8.47	8.44	8.50	5	5.50
	10:52		Middle	3.5	21.70	21.70		8.12	8.12		30.69	30.69		80.0	80.3		5.88	5.90		8.54	8.55		6	
28/03/2018	14:10	Fine	Middle	3.5	22.40	22.40	22.55	8.19	8.19	8.17	31.38	31.38	31.38	82.4	82.4	82.2	5.94	5.94	5.92	6.10	6.12	6.13	6	5.00
	14:12		Middle	3.5	22.70	22.70		8.15	8.15		31.37	31.37		81.9	81.9		5.90	5.90		6.13	6.15		4	
30/03/2018	17:53	Fine	Middle	3.0	22.10	22.10	22.10	7.50	7.50	7.50	30.39	30.39	30.45	37.0	38.1	38.0	2.57	2.68	2.62	3.98	4.29	4.12	8	6.50
	17:54		Middle	3.0	22.10	22.10		7.50	7.50		30.51	30.51		38.3	38.4		2.66	2.57		3.95	4.25		5	

Remarks:
Single underline denotes exceedance over Action Level.
Double underline denotes exceedance over Limit Level.



**Water Monitoring Result at M5B - Central Colling Water Intake Group
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature			pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids					
					°C			-			ppt		%		mg/L		NTU		mg/L					
					Value	Average		Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average				
02/03/2018	12:35	Fine	Middle	3.5	18.90	18.90	19.00	8.11	8.11	8.12	31.71	31.71	31.71	87.0	87.3	87.2	6.69	6.71	6.70	4.13	4.14	4.14	5	4.50
	12:37		Middle	3.5	19.10	19.10		8.12	8.12		31.70	31.70		87.2	87.1		6.70	6.69		4.13	4.16		4	
05/03/2018	13:55	Fine	Middle	4.0	21.80	21.80	21.90	8.11	8.11	8.11	31.21	31.21	31.21	87.5	88.0	87.9	6.39	6.42	6.41	2.63	2.64	2.62	5	5.50
	13:57		Middle	4.0	22.00	22.00		8.11	8.11		31.21	31.21		88.3	87.9		6.43	6.40		2.64	2.58		6	
07/03/2018	14:40	Fine	Middle	4.0	18.70	18.70	18.75	8.21	8.21	8.21	31.63	31.63	31.64	91.7	91.4	91.2	7.08	7.06	7.05	3.67	3.69	3.66	8	8.50
	14:42		Middle	4.0	18.80	18.80		8.21	8.21		31.64	31.64		90.9	90.9		7.02	7.02		3.62	3.67		9	
09/03/2018	16:57	Fine	Middle	3.0	18.30	18.30	18.35	8.17	8.17	8.19	31.57	31.57	31.56	84.6	84.3	83.9	6.59	6.17	6.44	0.57	0.56	0.52	5	4.00
	16:59		Middle	3.0	18.40	18.40		8.21	8.21		31.55	31.55		83.6	83.2		6.52	6.46		0.48	0.47		3	
12/03/2018	17:50	Cloudy	Middle	3.5	18.70	18.70	18.70	8.15	8.15	8.15	31.67	31.67	31.67	82.7	83.6	82.8	6.40	6.46	6.41	1.74	2.00	1.72	3	2.50
	17:51		Middle	3.5	18.70	18.70		8.15	8.15		31.67	31.67		82.2	82.8		6.36	6.40		1.50	1.62		2	
14/03/2018	23:12	Cloudy	Middle	3.0	18.80	18.80	18.80	8.10	8.10	8.10	32.08	32.08	32.08	83.6	83.7	83.1	6.44	6.45	6.39	1.27	1.33	1.30	8	9.00
	23:13		Middle	3.0	18.80	18.80		8.10	8.10		32.08	32.08		83.5	81.4		6.42	6.26		1.28	1.30		10	
16/03/2018	11:25	Fine	Middle	4.0	20.30	20.30	20.35	7.97	7.97	7.99	31.46	31.46	31.46	89.9	90.4	90.2	6.74	7.80	7.01	4.63	4.63	4.63	4	4.50
	11:27		Middle	4.0	20.40	20.40		8.00	8.00		31.46	31.46		89.9	90.5		6.73	6.77		4.63	4.63		5	
19/03/2018	12:05	Fine	Middle	4.0	20.80	20.80	20.85	8.16	8.16	8.17	31.43	31.43	31.43	89.5	89.6	89.5	6.65	6.66	6.65	5.68	5.66	5.68	2	2.00
	12:07		Middle	4.0	20.90	20.90		8.17	8.17		31.43	31.43		89.6	89.3		6.65	6.63		5.67	5.69		2	
21/03/2018	13:10	Fine	Middle	4.0	21.10	21.10	21.15	8.17	8.17	8.17	31.61	31.61	31.61	89.9	89.2	89.7	6.65	6.58	6.62	7.99	7.91	7.94	<2	<2
	13:12		Middle	4.0	21.20	21.20		8.16	8.16		31.61	31.61		90.4	89.2		6.67	6.58		7.93	7.94			
23/03/2018	15:55	Fine	Middle	4.0	20.90	20.90	20.95	8.18	8.18	8.18	31.76	31.76	31.76	89.1	89.2	88.8	6.60	6.62	6.58	4.82	4.84	4.86	7	6.50
	15:57		Middle	4.0	21.00	21.00		8.18	8.18		31.76	31.76		88.3	88.5		6.54	6.55		4.89	4.88		6	
26/03/2018	18:05	Cloudy	Middle	3.5	20.80	20.80	20.85	8.12	8.12	8.12	32.47	32.47	32.47	81.1	82.7	83.0	5.98	6.11	6.13	3.68	3.28	3.54	7	7.00
	18:06		Middle	3.5	20.90	20.90		8.12	8.12		32.47	32.47		84.0	84.1		6.20	6.21		3.47	3.73		7	
28/03/2018	23:15	Cloudy	Middle	3.0	21.10	21.10	21.10	8.07	8.07	8.07	32.06	32.06	32.06	82.1	81.9	82.6	6.05	6.03	6.08	1.09	1.13	1.10	4	5.50
	23:16		Middle	3.0	21.10	21.10		8.07	8.07		32.06	32.06		83.4	83.0		6.14	6.11		1.16	1.03		7	
30/03/2018	11:40	Fine	Middle	3.5	22.00	22.00	22.00	8.05	8.05	8.05	32.14	32.14	32.14	71.8	73.1	73.0	4.94	5.03	5.02	1.27	1.36	1.40	5	5.50
	11:41		Middle	3.5	22.00	22.00		8.05	8.05		32.14	32.14		73.0	74.0		5.03	5.07		1.43	1.52		6	

Remarks:
Single underline denotes exceedance over Action Level.
Double underline denotes exceedance over Limit Level.



**Water Monitoring Result at Culvert J - Reference Station
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature			pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids					
					°C			-			ppt		%		mg/L		NTU		mg/L					
					Value	Average		Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average				
02/03/2018	12:30	Fine	Middle	3	19.40	19.40	19.65	8.04	8.04	8.07	31.49	31.49	31.48	90.1	89.6	89.4	6.83	6.79	6.78	3.10	3.09	3.09	4	3.50
	12:32		Middle	3	19.90	19.90		8.09	8.09		31.47	31.47		89.3	88.7		6.77	6.72		3.09	3.09		3	
05/03/2018	13:50	Fine	Middle	4	22.40	22.40	22.55	8.07	8.07	8.07	30.29	30.29	30.29	82.9	82.8	82.9	6.02	6.01	6.01	4.33	4.36	4.36	5	5.00
	13:52		Middle	4	22.70	22.70		8.07	8.07		30.29	30.29		82.7	83.0		6.00	6.02		4.37	4.36		5	
07/03/2018	14:35	Fine	Middle	4	18.80	18.80	18.90	8.18	8.18	8.18	31.09	31.09	31.09	89.5	89.5	89.6	6.91	6.90	6.91	3.69	3.59	3.61	5	4.50
	14:37		Middle	4	19.00	19.00		8.18	8.18		31.08	31.08		89.8	89.4		6.92	6.89		3.57	3.59		4	
09/03/2018	16:53	Fine	Middle	3	18.10	18.10	18.50	8.14	8.14	8.14	29.03	29.03	29.27	81.1	78.4	79.1	6.33	6.20	6.19	5.26	5.26	5.21	4	5.00
	16:55		Middle	3	18.90	18.90		8.14	8.14		29.51	29.51		78.1	78.8		6.09	6.15		5.23	5.07		6	
12/03/2018	17:57	Cloudy	Middle	3	18.60	18.60	18.60	8.01	8.01	8.01	28.56	28.56	28.57	69.5	69.0	70.1	5.48	5.44	5.52	10.12	10.30	10.15	6	6.00
	17:58		Middle	3	18.60	18.60		8.01	8.01		28.57	28.57		71.1	70.6		5.60	5.56		10.10	10.08		6	
14/03/2018	23:20	Cloudy	Middle	3	19.00	19.00	19.00	7.91	7.91	7.90	27.30	27.30	27.30	73.6	73.8	73.5	5.80	5.82	5.80	10.46	10.37	10.40	10	26.00
	23:21		Middle	3	19.00	19.00		7.90	7.89		27.30	27.30		73.6	73.1		5.81	5.76		10.57	10.21		42	
16/03/2018	11:20	Fine	Middle	4	21.20	21.20	21.25	7.84	7.84	7.87	30.49	30.49	30.49	78.7	78.8	78.2	5.84	5.84	5.80	5.23	5.23	5.29	6	6.00
	11:22		Middle	4	21.30	21.30		7.89	7.89		30.49	30.49		77.4	77.7		5.74	5.76		5.34	5.37		6	
19/03/2018	12:00	Fine	Middle	4	21.20	21.20	21.25	8.14	8.14	8.14	31.02	31.02	31.02	85.9	86.2	85.8	6.36	6.37	6.34	5.98	5.90	5.91	2	2.50
	12:02		Middle	4	21.30	21.30		8.14	8.14		31.02	31.02		85.5	85.5		6.31	6.31		5.89	5.88		3	
21/03/2018	13:05	Fine	Middle	4	22.10	22.10	22.20	8.16	8.16	8.16	31.09	31.09	31.10	86.6	86.4	86.7	6.29	6.28	6.29	8.19	8.18	8.18	3	3.00
	13:07		Middle	4	22.30	22.30		8.15	8.15		31.10	31.10		86.8	86.8		6.30	6.30		8.18	8.17		3	
23/03/2018	15:50	Fine	Middle	4	21.50	21.50	21.55	8.16	8.16	8.16	31.27	31.27	31.27	83.5	83.6	83.1	6.13	6.14	6.10	5.64	5.64	5.64	7	7.00
	15:52		Middle	4	21.60	21.60		8.16	8.16		31.27	31.27		81.8	83.3		6.00	6.11		5.62	5.64		7	
26/03/2018	18:15	Cloudy	Middle	3	20.90	20.90	20.90	8.00	8.00	8.00	29.54	29.54	29.54	70.3	72.8	72.0	5.28	5.46	5.41	8.54	8.28	8.29	10	9.50
	18:16		Middle	3	20.90	20.90		8.00	8.00		29.53	29.53		72.4	72.6		5.43	5.45		8.23	8.11		9	
28/03/2018	23:30	Cloudy	Middle	3	21.10	21.10	21.10	74.95	7.95	24.70	29.82	29.85	29.82	58.3	59.6	59.2	4.35	4.45	4.42	6.44	6.40	6.42	6	6.50
	23:31		Middle	3	21.10	21.10		7.95	7.95		29.81	29.81		59.4	59.6		4.44	4.45		6.38	6.47		7	
30/03/2018	11:47	Fine	Middle	3	21.80	21.80	21.80	7.57	7.57	7.57	30.58	30.58	30.59	27.0	28.8	28.6	1.88	2.01	2.00	3.11	3.08	3.11	7	7.00
	11:48		Middle	3	21.80	21.80		7.57	7.57		30.59	30.59		29.5	29.1		2.06	2.03		3.06	3.17		7	

Remarks:
Single underline denotes exceedance over Action Level.
Double underline denotes exceedance over Limit Level.



**Water Monitoring Result at M5B - Central Cooling Water Intake Group
Mid-Flood Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature		pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids						
					°C		-		ppt		%		mg/L		NTU		mg/L							
			m	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average					
03/04/2018	09:30	Fine	Middle	4.0	22.60	22.60	22.60	8.17	8.17	8.17	31.38	31.38	31.38	86.2	86.7	87.1	6.24	6.28	6.30	9.98	9.95	10.02	12	<u>13.00</u>
	09:32		Middle	4.0	22.60	22.60	22.60	8.17	8.17	8.17	31.38	31.38	31.38	87.6	87.9	87.1	6.31	6.37	6.30	10.06	10.07	10.02	14	
05/04/2018	08:41	Fine	Middle	3.0	25.80	25.80	25.80	8.06	8.06	8.06	31.68	31.68	31.68	74.3	74.7	74.6	5.05	5.07	5.07	2.62	2.40	2.48	8	8.00
	08:42		Middle	3.0	25.80	25.80	25.80	8.06	8.06	8.06	31.68	31.68	31.68	74.5	74.8	74.6	5.07	5.09	5.07	2.37	2.51	2.48	8	
07/04/2018	09:35	Cloudy	Middle	4.0	21.00	21.00	20.95	8.27	8.27	8.28	32.65	32.65	32.66	86.5	85.7	86.0	6.35	6.32	6.34	9.07	9.07	9.10	7	6.00
	09:37		Middle	4.0	20.90	20.90	20.95	8.29	8.29	8.28	32.66	32.66	32.66	85.6	86.1	86.0	6.32	6.36	6.34	9.10	9.14	9.10	5	
10/04/2018	03:15	Fine	Middle	3.5	22.20	22.20	22.20	8.13	8.13	8.13	33.25	33.25	33.25	80.8	81.1	80.8	5.70	5.72	5.70	1.89	1.32	1.42	4	4.50
	03:16		Middle	3.5	22.20	22.20	22.20	8.13	8.13	8.13	33.25	33.25	33.25	81.3	80.0	80.8	5.73	5.64	5.70	1.18	1.30	1.42	5	
12/04/2018	15:24	Fine	Middle	3.5	23.90	23.90	23.90	8.10	8.10	8.12	32.56	32.56	32.55	68.2	66.4	66.1	4.78	4.65	4.63	15.26	14.52	14.88	12	<u>13.00</u>
	15:26		Middle	3.5	23.90	23.90	23.90	8.13	8.13	8.12	32.54	32.54	32.55	65.6	64.3	66.1	4.59	4.50	4.63	14.65	15.08	14.88	14	
14/04/2018	17:56	Fine	Middle	3.5	24.30	24.30	24.30	8.07	8.07	8.10	31.91	31.91	31.91	74.4	72.3	71.3	5.19	5.04	4.98	8.68	8.61	8.64	9	8.50
	17:58		Middle	3.5	24.30	24.30	24.30	8.13	8.13	8.10	31.91	31.91	31.91	69.7	68.8	71.3	4.87	4.80	4.98	8.63	8.65	8.64	8	
16/04/2018	18:36	Rainy	Middle	3.5	21.80	21.80	21.85	8.22	8.22	8.23	32.22	32.22	32.26	71.5	70.0	69.8	5.18	5.07	5.06	8.64	8.65	8.62	7	7.50
	18:38		Middle	3.5	21.90	21.90	21.85	8.23	8.23	8.23	32.29	32.29	32.26	69.3	68.3	69.8	5.02	4.96	5.06	8.50	8.68	8.62	8	
18/04/2018	18:25	Cloudy	Middle	3.0	22.60	22.60	22.60	8.06	8.06	8.06	32.76	32.76	32.76	81.2	82.0	81.4	5.80	5.86	5.81	7.98	8.11	7.82	10	10.00
	18:26		Middle	3.0	22.60	22.60	22.60	8.06	8.06	8.06	32.76	32.76	32.76	80.0	82.2	81.4	5.72	5.87	5.81	7.58	7.61	7.82	10	
20/04/2018	09:40	Cloudy	Middle	4.0	22.90	22.90	22.90	8.20	8.20	8.21	32.71	32.71	32.71	86.2	86.4	86.2	6.13	6.15	6.13	9.47	9.52	9.51	8	9.00
	09:42		Middle	4.0	22.90	22.90	22.90	8.21	8.21	8.21	32.71	32.71	32.71	86.0	86.0	86.2	6.11	6.11	6.13	9.53	9.50	9.51	10	
23/04/2018	13:30	Fine	Middle	4.0	24.70	24.70	24.80	8.13	8.13	8.13	32.41	32.41	32.41	86.0	86.2	86.1	5.93	5.94	5.93	8.18	8.16	8.20	9	10.00
	13:32		Middle	4.0	24.90	24.90	24.80	8.13	8.13	8.13	32.41	32.41	32.41	86.1	86.1	86.1	5.93	5.93	5.93	8.21	8.23	8.20	11	
25/04/2018	14:50	Cloudy	Middle	4.0	23.60	23.60	23.60	8.15	8.15	8.16	32.32	32.32	32.32	86.1	86.2	86.1	6.07	6.08	6.07	7.53	7.53	7.53	6	5.50
	14:52		Middle	4.0	23.60	23.60	23.60	8.16	8.16	8.16	32.32	32.32	32.32	86.0	85.9	86.1	6.06	6.05	6.07	7.52	7.54	7.53	5	
27/04/2018	12:35	Cloudy	Middle	3.5	24.60	24.60	24.65	8.16	8.16	8.16	32.64	32.64	32.63	87.2	87.2	87.0	6.02	6.01	6.00	8.16	8.13	8.13	6	5.50
	12:37		Middle	3.5	24.70	24.70	24.65	8.16	8.16	8.16	32.62	32.63	32.63	86.6	86.9	87.0	5.97	5.99	6.00	8.12	8.11	8.13	5	
30/04/2018	18:17	Fine	Middle	3.0	25.10	25.10	25.10	7.99	7.99	7.99	32.44	32.44	32.44	82.4	82.3	82.1	5.56	5.57	5.55	1.99	1.86	1.90	5	4.50
	18:18		Middle	3.0	25.10	25.10	25.10	7.99	7.99	7.99	32.44	32.44	32.44	82.3	81.4	82.1	5.56	5.49	5.55	1.91	1.84	1.90	4	

Remarks:
Single underline denotes exceedance over Action Level.
Double underline denotes exceedance over Limit Level.



**Water Monitoring Result at Culvert J - Reference Station
Mid-Flood Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature		pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids						
			m		°C		-		ppt		%		mg/L		NTU		mg/L							
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average						
03/04/2018	09:25	Fine	Middle	3.5	22.80	22.80	22.90	8.15	8.15	8.16	31.35	31.35	31.35	86.3	86.0	85.9	6.19	6.17	6.16	9.58	9.61	9.63	9	9.50
	09:27		Middle	3.5	23.00	23.00		8.16	8.16		31.34	31.34		86.2	85.1		6.18	6.09		9.63	9.68		10	
05/04/2018	08:47	Fine	Middle	2.5	25.70	25.70	25.70	7.84	7.84	7.84	28.46	28.46	28.46	38.5	41.5	40.5	2.68	2.88	2.81	8.96	8.83	8.83	8	9.50
	08:48		Middle	2.5	25.70	25.70		7.84	7.84		28.46	28.46		41.0	40.8		2.85	2.83		8.91	8.62		11	
07/04/2018	09:30	Cloudy	Middle	3.5	20.50	20.50	20.45	8.25	8.25	8.25	31.52	31.52	31.52	81.8	82.0	81.8	6.30	6.15	6.18	9.03	9.01	9.00	6	5.50
	09:32		Middle	3.5	20.40	20.40		8.25	8.25		31.52	31.52		81.2	82.1		6.09	6.16		9.01	8.94		5	
10/04/2018	03:23	Fine	Middle	3.0	22.80	22.80	22.80	7.94	7.94	7.94	30.52	30.52	30.52	66.1	65.7	66.0	4.77	4.74	4.76	2.82	2.72	2.55	5	5.00
	03:24		Middle	3.0	22.80	22.80		7.94	7.94		30.52	30.52		66.0	66.2		4.76	4.77		2.29	2.37		5	
12/04/2018	15:20	Fine	Middle	3.5	24.40	24.40	24.45	8.09	8.09	8.08	30.29	30.29	30.24	60.0	60.1	59.9	4.21	4.22	4.20	10.29	10.28	10.49	11	10.00
	15:22		Middle	3.5	24.50	24.50		8.07	8.07		30.18	30.18		60.3	59.3		4.22	4.16		10.71	10.68		9	
14/04/2018	17:52	Fine	Middle	3.5	24.80	24.80	24.90	8.06	8.06	8.06	28.44	28.44	28.39	61.1	61.1	60.8	4.31	4.31	4.29	10.09	10.11	10.19	6	6.00
	17:54		Middle	3.5	25.00	25.00		8.05	8.05		28.34	28.34		60.9	60.1		4.29	4.23		10.25	10.30		6	
16/04/2018	18:32	Rainy	Middle	3.5	21.70	21.70	21.70	8.23	8.23	8.23	31.67	31.67	32.19	63.5	63.3	63.3	4.66	4.62	4.63	8.71	8.71	8.70	7	7.50
	18:34		Middle	3.5	21.70	21.70		8.23	8.23		32.71	32.71		63.1	63.1		4.62	4.61		8.72	8.64		8	
18/04/2018	18:30	Cloudy	Middle	2.5	22.70	22.70	22.70	8.03	8.03	8.03	31.65	31.65	31.65	78.2	78.3	77.9	5.62	5.63	5.60	12.47	11.57	11.91	14	11.50
	18:31		Middle	2.5	22.70	22.70		8.03	8.03		31.65	31.65		77.0	77.9		5.53	5.60		11.71	11.89		9	
20/04/2018	09:35	Cloudy	Middle	3.5	23.00	23.00	23.00	8.17	8.17	8.18	32.70	32.70	32.70	88.4	88.3	87.7	6.28	6.27	6.23	9.84	9.85	9.78	10	9.00
	09:37		Middle	3.5	23.00	23.00		8.19	8.19		32.70	32.70		87.2	86.9		6.19	6.17		9.74	9.68		8	
23/04/2018	13:35	Fine	Middle	3.5	25.50	25.50	25.60	8.12	8.12	8.12	32.41	32.41	32.41	79.6	76.8	77.5	5.21	5.22	5.21	8.41	8.36	8.37	11	10.00
	13:37		Middle	3.5	25.70	25.70		8.11	8.11		32.40	32.40		76.7	76.8		5.21	5.21		8.35	8.34		9	
25/04/2018	14:45	Cloudy	Middle	3.5	23.70	23.70	23.75	8.13	8.13	8.13	30.59	30.59	32.10	69.4	69.9	70.0	4.94	4.96	4.97	8.64	8.64	8.65	5	5.50
	14:47		Middle	3.5	23.80	23.80		8.12	8.12		30.60	36.60		70.3	70.2		4.99	4.98		8.67	8.65		6	
27/04/2018	12:30	Cloudy	Middle	3.5	25.00	25.00	25.15	8.12	8.12	8.13	32.65	32.65	32.65	86.4	86.8	85.7	5.90	5.93	5.88	7.92	8.02	8.00	5	4.50
	12:32		Middle	3.5	25.30	25.30		8.14	8.14		32.64	32.64		83.4	86.0		5.82	5.86		8.02	8.02		4	
30/04/2018	18:23	Fine	Middle	2.5	25.20	25.20	25.20	7.60	7.60	7.60	30.06	30.06	30.06	70.3	70.7	70.9	4.79	4.81	4.82	8.99	8.48	8.64	14	11.00
	18:24		Middle	2.5	25.20	25.20		7.59	7.59		30.06	30.06		70.7	71.8		4.81	4.87		8.66	8.42		8	

Remarks:
Single underline denotes exceedance over Action Level.
Double underline denotes exceedance over Limit Level.



**Water Monitoring Result at M5B - Central Colling Water Intake Group
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature			pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids					
					°C			-			ppt		%		mg/L		NTU		mg/L					
					Value	Average		Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average				
03/04/2018	14:45	Fine	Middle	3.5	23.60	23.60	23.70	8.15	8.15	8.15	31.30	31.30	31.30	87.2	87.2	87.2	6.17	6.16	6.16	8.31	8.27	8.25	9	8.00
	14:47		Middle	3.5	23.80	23.80		8.15	8.15		31.29	31.29		87.2	87.1		6.16	6.15		8.21	8.19		7	
05/04/2018	15:50	Fine	Middle	3.5	25.90	25.90	25.90	8.11	8.11	8.11	31.86	31.86	31.86	74.4	76.4	76.3	5.05	5.18	5.18	3.88	3.52	3.46	6	5.50
	15:51		Middle	3.5	25.90	25.90		8.11	8.11		31.86	31.86		77.5	76.7		5.26	5.21		3.19	3.24		5	
07/04/2018	14:35	Cloudy	Middle	4.0	20.80	20.80	20.80	8.32	8.32	8.32	32.74	32.74	32.75	87.4	87.3	87.6	6.46	6.45	6.47	8.20	8.21	8.24	8	8.50
	14:37		Middle	4.0	20.80	20.80		8.32	8.32		32.75	32.75		87.9	87.7		6.50	6.48		8.27	8.28		9	
10/04/2018	20:31	Cloudy	Middle	3.5	24.80	24.80	24.80	8.07	8.07	8.07	33.30	33.30	33.30	78.9	77.7	79.0	5.40	5.33	5.42	2.70	2.09	2.24	10	9.00
	20:32		Middle	3.5	24.80	24.80		8.07	8.07		33.30	33.30		80.1	79.4		5.50	5.43		1.94	2.21		8	
12/04/2018	20:15	Cloudy	Middle	3.5	24.00	24.00	24.00	8.00	8.00	8.00	32.49	32.49	32.49	78.3	79.1	79.5	5.47	5.53	5.55	2.58	2.86	2.70	5	5.50
	20:16		Middle	3.5	24.00	24.00		8.00	8.00		32.49	32.49		80.0	80.5		5.59	5.62		2.63	2.73		6	
14/04/2018	11:59	Fine	Middle	3.5	24.40	24.40	24.45	8.12	8.12	8.13	32.29	32.29	32.28	72.5	71.6	71.4	5.03	4.97	4.95	6.41	6.05	6.36	5	4.50
	12:01		Middle	3.5	24.50	24.50		8.13	8.13		32.26	32.26		71.0	70.3		4.91	4.87		6.49	6.47		4	
16/04/2018	13:45	Cloudy	Middle	3.5	22.20	22.20	22.20	8.16	8.16	8.18	32.35	32.35	32.39	73.1	71.9	71.5	5.27	5.18	5.15	8.59	8.59	8.63	8	7.00
	13:47		Middle	3.5	22.20	22.20		8.20	8.20		32.43	32.43		70.8	70.2		5.10	5.03		8.58	8.75		6	
18/04/2018	14:15	Fine	Middle	3.5	23.40	23.40	23.45	8.18	8.18	8.19	32.58	32.58	32.57	67.4	67.0	66.7	4.75	4.73	4.71	8.20	8.20	8.18	6	6.00
	14:17		Middle	3.5	23.50	23.50		8.19	8.19		32.56	32.56		66.6	65.8		4.70	4.64		8.19	8.13		6	
20/04/2018	14:35	Cloudy	Middle	4.0	23.20	23.20	23.20	8.20	8.20	8.20	32.56	32.56	32.56	87.4	87.3	87.3	6.20	6.19	6.19	7.82	7.80	7.78	3	3.50
	14:37		Middle	4.0	23.20	23.20		8.20	8.20		32.56	32.56		87.3	87.2		6.18	6.18		7.77	7.73		4	
23/04/2018	17:30	Cloudy	Middle	3.5	25.70	25.70	25.70	8.04	8.04	8.04	32.75	32.75	32.75	77.5	78.8	78.4	5.26	5.34	5.32	3.65	3.71	3.48	4	4.50
	17:31		Middle	3.5	25.70	25.70		8.04	8.04		32.75	32.75		77.5	79.9		5.26	5.42		3.36	3.18		5	
25/04/2018	20:45	Cloudy	Middle	3.0	24.10	24.10	24.10	8.10	8.10	8.10	33.21	33.21	33.21	78.9	77.3	78.6	5.48	5.37	5.46	1.27	1.28	1.21	3	4.00
	20:46		Middle	3.0	24.10	24.10		8.10	8.10		33.21	33.21		78.3	79.9		5.44	5.55		1.17	1.11		5	
27/04/2018	17:30	Cloudy	Middle	4.0	24.20	24.20	24.25	8.13	8.13	8.15	32.12	32.12	32.12	86.6	87.3	86.6	6.04	6.09	6.04	8.19	8.16	8.16	3	3.50
	17:32		Middle	4.0	24.30	24.30		8.16	8.16		32.11	32.11		86.1	86.4		6.00	6.02		8.14	8.16		4	
30/04/2018	14:45	Cloudy	Middle	3.5	25.10	25.10	25.15	8.15	8.15	8.15	31.89	31.89	31.89	86.0	86.2	86.2	5.91	5.92	5.92	7.97	8.00	7.99	6	6.00
	14:47		Middle	3.5	25.20	25.20		8.15	8.15		31.89	31.89		86.1	86.4		5.91	5.93		7.98	7.99		6	

Remarks:
Single underline denotes exceedance over Action Level.
Double underline denotes exceedance over Limit Level.



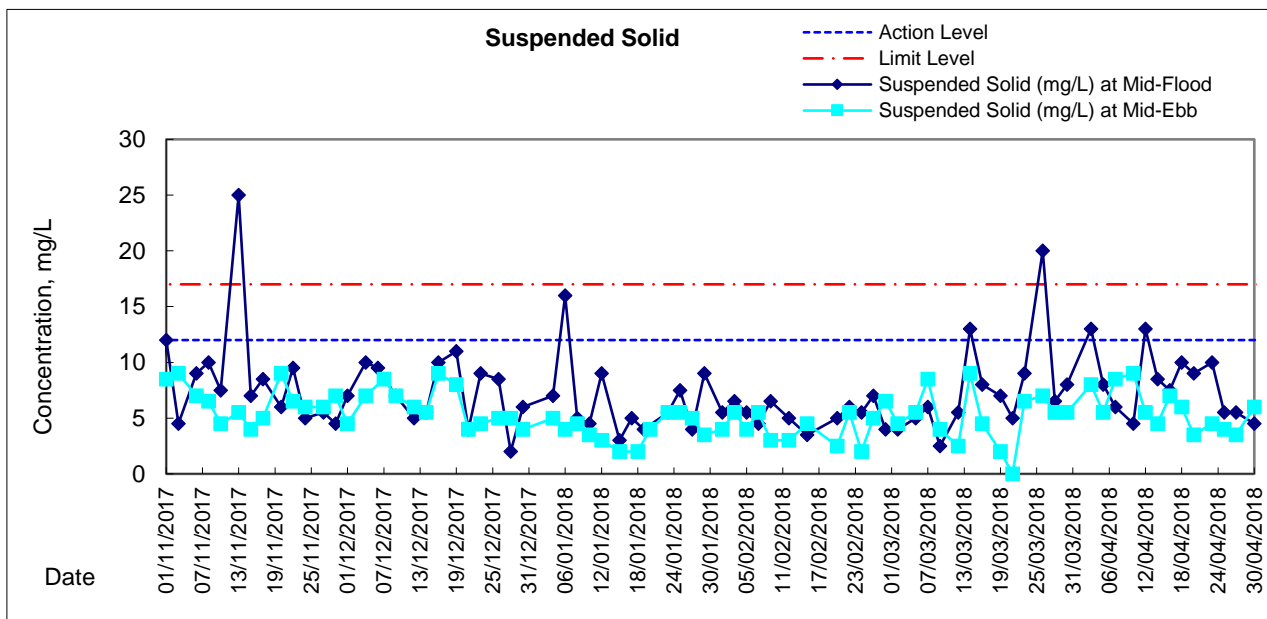
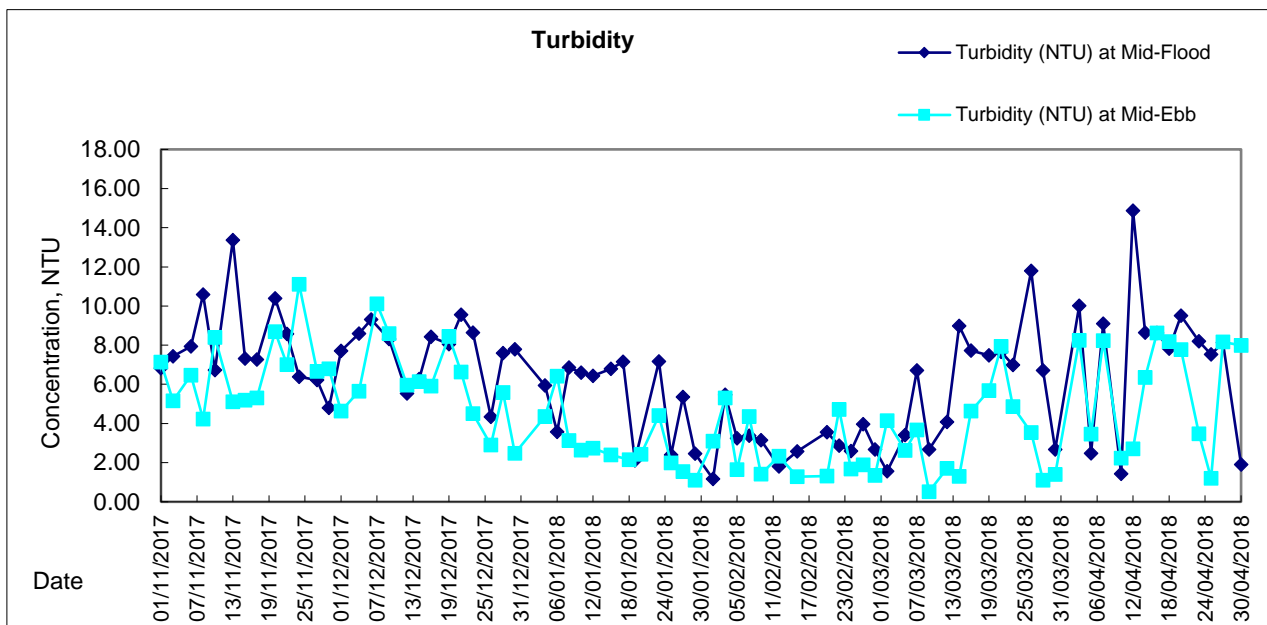
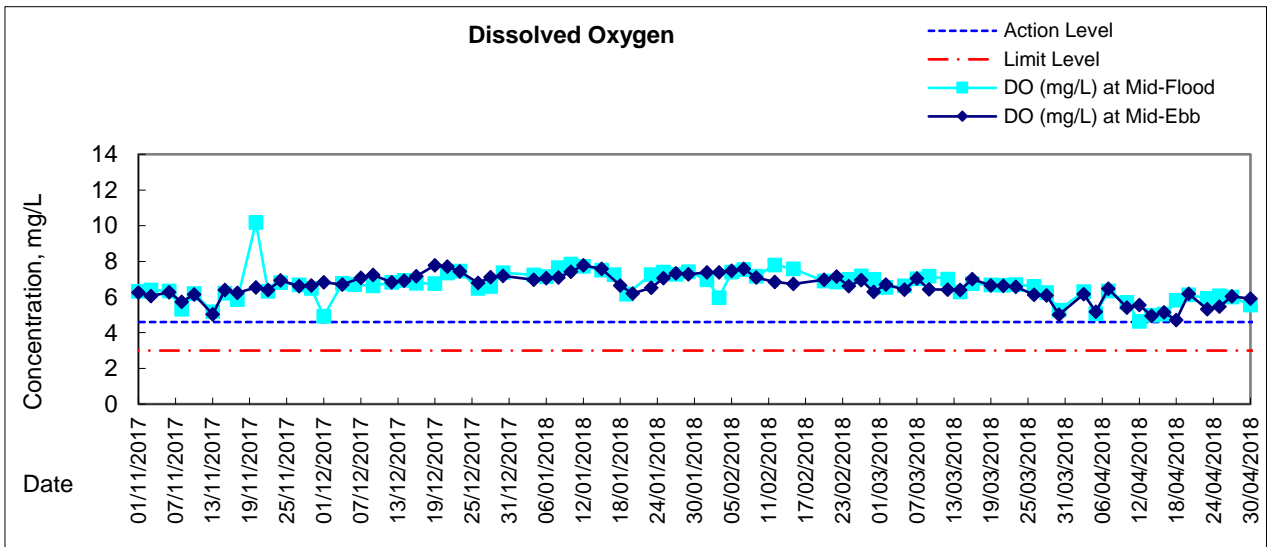
**Water Monitoring Result at Culvert J - Reference Station
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature			pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids					
					°C			-			ppt		%		mg/L		NTU		mg/L					
					Value	Average		Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average				
03/04/2018	14:40	Fine	Middle	4	24.40	24.40	24.50	8.15	8.15	8.15	31.29	31.29	31.29	81.4	81.4	80.9	5.67	5.67	5.63	8.56	8.48	8.50	8	7.00
	14:42		Middle	4	24.60	24.60		8.15	8.15		31.28	31.28		80.2	80.5		5.58	5.60		8.47	8.48		6	
05/04/2018	15:56	Fine	Middle	3	25.80	25.80	25.80	7.78	7.78	7.78	28.35	28.35	28.35	43.6	42.5	43.9	3.02	2.95	3.04	14.30	13.48	13.87	5	4.50
	15:57		Middle	3	25.80	25.80		7.78	7.78		28.35	28.35		44.6	44.7		3.10	3.10		13.92	13.77		4	
07/04/2018	14:30	Cloudy	Middle	4	20.50	20.50	20.50	8.32	8.32	8.32	32.63	32.63	32.63	83.2	83.4	83.1	6.18	6.20	6.18	9.58	9.58	9.51	8	7.50
	14:32		Middle	4	20.50	20.50		8.32	8.32		32.63	32.63		82.4	83.2		6.13	6.19		9.32	9.54		7	
10/04/2018	20:40	Cloudy	Middle	3	24.80	24.80	24.80	7.59	7.55	7.55	29.90	29.90	29.90	13.5	13.6	13.7	0.94	0.95	0.96	1.13	1.04	1.14	9	9.00
	20:41		Middle	3	24.80	24.80		7.53	7.51		29.90	29.90		13.7	13.8		0.96	0.97		1.17	1.20		9	
12/04/2018	20:21	Cloudy	Middle	3	24.00	24.00	24.00	7.55	7.55	7.55	30.79	30.79	30.79	59.1	62.8	61.4	4.04	4.29	4.19	1.06	1.11	1.11	5	5.00
	20:22		Middle	3	24.00	24.00		7.55	7.55		30.79	30.79		61.5	62.0		4.20	4.23		1.09	1.16		5	
14/04/2018	11:55	Fine	Middle	4	25.30	25.30	25.20	8.08	8.08	8.09	31.09	31.09	31.55	66.9	65.9	65.7	4.61	4.54	4.53	7.34	7.25	7.25	4	3.50
	11:57		Middle	4	25.10	25.10		8.10	8.10		32.00	32.00		65.1	64.8		4.49	4.46		7.21	7.20		3	
16/04/2018	13:40	Cloudy	Middle	4	22.20	22.20	22.20	8.15	8.15	8.15	30.76	30.76	30.78	56.4	60.9	59.9	4.11	4.44	4.37	8.85	8.83	8.84	5	5.50
	13:42		Middle	4	22.20	22.20		8.14	8.14		30.79	30.79		61.0	61.3		4.44	4.47		8.83	8.84		6	
18/04/2018	14:09	Fine	Middle	4	23.50	23.50	23.50	8.17	8.17	8.17	32.02	32.02	32.00	59.0	58.9	58.7	4.17	4.16	4.15	8.79	8.79	8.79	8	7.50
	14:11		Middle	4	23.50	23.50		8.17	8.17		31.97	31.97		58.5	58.2		4.14	4.11		8.79	8.78		7	
20/04/2018	14:30	Cloudy	Middle	4	23.30	23.30	23.30	8.19	8.19	8.19	32.56	32.56	32.56	81.6	81.8	81.5	5.77	5.78	5.76	7.37	7.32	7.31	6	7.00
	14:32		Middle	4	23.30	23.30		8.19	8.19		32.56	32.56		81.6	81.1		5.76	5.73		7.28	7.26		8	
23/04/2018	17:37	Cloudy	Middle	3	25.90	25.90	25.90	7.86	7.86	7.86	30.30	30.30	30.30	72.0	71.3	71.5	4.94	4.90	4.90	18.23	19.06	18.54	8	7.50
	17:38		Middle	3	25.90	25.90		7.85	7.85		30.30	30.30		70.8	71.8		4.84	4.92		18.46	18.42		7	
25/04/2018	20:53	Cloudy	Middle	3	24.40	24.40	24.40	7.80	7.79	7.78	32.68	32.68	32.68	69.1	68.5	70.0	4.80	4.75	4.86	5.94	5.39	5.58	2	2.00
	20:54		Middle	3	24.40	24.40		7.77	7.77		32.68	32.68		71.4	71.0		4.96	4.93		5.50	5.47		<2	
27/04/2018	17:25	Cloudy	Middle	4	24.60	24.60	24.65	8.14	8.14	8.14	29.17	29.17	29.18	72.1	72.0	71.9	5.08	5.07	5.06	10.30	10.28	10.28	5	4.50
	17:27		Middle	4	24.70	24.70		8.13	8.13		29.18	29.18		71.6	71.9		5.03	5.05		10.26	10.26		4	
30/04/2018	14:40	Cloudy	Middle	4	25.50	25.50	25.55	8.12	8.12	8.13	31.78	31.78	31.78	81.2	80.8	81.1	5.53	5.50	5.52	8.19	8.21	8.21	5	5.00
	14:42		Middle	4	25.60	25.60		8.13	8.13		31.77	31.77		81.0	81.3		5.52	5.54		8.21	8.21		5	

Remarks:
Single underline denotes exceedance over Action Level.
Double underline denotes exceedance over Limit Level.



Graphic Presentation of Water Quality Result of M5B - Central Cooling Water Intake Groups





Graphic Presentation of Water Quality Result of Culvert J - Reference Station

