



**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					
01/08/2018	09:05	Cloudy	Middle	4.0	29.00	29.00	29.05	8.08	8.08	8.08	29.11	29.11	29.12	92.5	92.8	92.6	6.05	6.07	6.06	4.28	4.22	4.29	10	10.50
	09:07		Middle	4.0	29.10	29.10		8.08	8.08		29.12	29.12		92.4	92.5		6.05	6.05		4.32	4.32		11	
03/08/2018	10:05	Fine	Middle	4.0	29.30	29.30	29.35	8.10	8.10	8.11	28.40	28.40	28.46	89.0	88.7	89.6	5.81	5.79	5.85	4.22	4.21	4.20	4	4.00
	10:07		Middle	4.0	29.40	29.40		8.12	8.12		28.51	28.51		90.1	90.4		5.88	5.90		4.19	4.19		4	
07/08/2018	13:40	Fine	Middle	4.0	29.90	29.90	29.95	8.35	8.35	8.36	27.99	27.99	27.98	101.1	101.2	100.2	6.56	6.57	6.50	3.34	3.32	3.32	6	5.50
	13:42		Middle	4.0	30.00	30.00		8.36	8.36		27.97	27.97		99.1	99.3		6.43	6.44		3.32	3.31		5	
09/08/2018	16:15	Fine	Middle	3.5	29.20	29.20	29.25	8.34	8.34	8.35	28.83	28.83	28.83	96.3	96.4	96.8	6.30	6.30	6.33	4.81	4.79	4.81	7	7.50
	16:17		Middle	3.5	29.30	29.30		8.35	8.35		28.82	28.82		97.0	97.3		6.35	6.36		4.82	4.83		8	
11/08/2018	19:39	Cloudy	Middle	3.0	27.20	27.20	27.20	7.98	7.98	7.98	29.76	29.76	29.76	78.2	78.1	77.5	5.25	5.24	5.21	2.76	2.60	2.39	6	5.50
	19:40		Middle	3.0	27.20	27.20		7.98	7.98		29.76	29.76		77.0	76.5		5.18	5.15		2.07	2.11		5	
13/08/2018	07:45	Cloudy	Middle	3.5	27.50	27.50	27.50	7.82	7.82	7.82	29.48	29.48	29.48	81.5	80.0	80.6	5.28	5.18	5.22	4.48	4.59	4.50	6	6.50
	07:46		Middle	3.5	27.50	27.50		7.82	7.82		29.48	29.48		80.0	80.9		5.18	5.24		4.53	4.38		7	
15/08/2018	09:15	Cloudy	Middle	4.0	27.70	27.70	27.70	8.03	8.03	8.03	29.91	29.91	29.94	84.6	84.2	83.7	5.63	5.60	5.57	27.17	27.10	27.12	50	<u>49.50</u>
	09:17		Middle	4.0	27.70	27.70		8.03	8.03		29.96	29.96		82.7	83.1		5.51	5.53		27.10	27.12		49	
17/08/2018	-	Amber Rainstorm Warning Signal	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-		Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21/08/2018	14:40	Cloudy	Middle	4.0	28.50	28.50	28.50	8.06	8.06	8.06	28.79	28.79	28.79	87.6	87.9	87.7	5.79	5.81	5.80	4.93	4.93	4.93	6	6.00
	14:42		Middle	4.0	28.50	28.50		8.06	8.06		28.79	28.79		87.6	87.7		5.79	5.80		4.93	4.92		6	
23/08/2018	16:50	Fine	Middle	4.0	28.40	28.40	28.35	8.03	8.03	8.03	30.44	30.44	30.47	83.3	82.9	83.3	5.80	5.38	5.53	5.72	5.73	5.69	7	7.00
	16:52		Middle	4.0	28.30	28.30		8.02	8.02		30.49	30.49		83.3	83.5		5.46	5.48		5.64	5.65		7	
25/08/2018	19:47	Cloudy	Middle	3.5	28.10	28.10	28.10	7.93	7.93	7.93	31.15	31.15	31.15	78.2	78.7	78.6	5.14	5.17	5.17	4.29	4.20	4.52	6	6.00
	19:48		Middle	3.5	28.10	28.10		7.93	7.93		31.15	31.15		79.3	78.2		5.22	5.14		4.89	4.71		6	
27/08/2018	21:00	Cloudy	Middle	3.5	26.00	26.00	26.00	8.04	8.04	8.04	31.27	31.27	31.27	76.6	78.7	77.6	5.21	5.35	5.28	3.37	3.32	3.30	6	6.00
	21:01		Middle	3.5	26.00	26.00		8.04	8.04		31.27	31.27		77.4	77.6		5.26	5.28		3.21	3.28		6	
29/08/2018	-	Amber Rainstorm Warning Signal	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-		Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31/08/2018	15:15	Cloudy	Middle	4.0	27.20	27.20	27.20	7.97	7.97	7.95	28.66	28.60	28.65	83.3	83.4	83.3	5.63	5.64	5.63	6.46	6.46	6.45	9	8.50
	15:17		Middle	4.0	27.20	27.20		7.93	7.93		28.66	28.66		83.2	83.1		5.62	5.62		6.46	6.43		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-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					
01/08/2018	09:00	Cloudy	Middle	4.0	29.50	29.50	29.50	8.04	8.04	8.05	29.10	29.10	29.11	88.8	88.8	88.9	5.77	5.71	5.76	3.94	3.99	3.96	16	17.00
	09:02		Middle	4.0	29.50	29.50	29.50	8.05	8.05	8.05	29.11	29.11	29.11	88.9	88.9	88.9	5.77	5.80	5.76	3.95	3.95	3.96	18	
03/08/2018	10:00	Fine	Middle	3.5	29.30	29.30	29.40	8.04	8.04	8.06	29.33	29.33	29.33	90.3	90.1	89.6	5.86	5.85	5.82	7.98	7.98	8.00	11	12.00
	10:02		Middle	3.5	29.50	29.50	29.40	8.07	8.07	8.06	29.32	29.32	29.33	89.3	88.7	89.6	5.80	5.75	5.82	7.99	8.05	8.00	13	
07/08/2018	13:35	Fine	Middle	3.5	30.30	30.30	30.40	8.25	8.25	8.29	27.95	27.95	27.95	102.5	102.9	102.5	6.60	6.63	6.60	3.83	3.80	3.83	12	11.00
	13:37		Middle	3.5	30.50	30.50	30.40	8.32	8.32	8.29	27.95	27.95	27.95	102.2	102.2	102.5	6.58	6.58	6.60	3.87	3.81	3.83	10	
09/08/2018	16:10	Fine	Middle	3.5	29.50	29.50	29.60	8.25	8.25	8.25	28.68	28.68	28.68	101.0	100.8	100.6	6.57	6.55	6.54	5.09	5.13	5.13	6	6.50
	16:12		Middle	3.5	29.70	29.70	29.60	8.25	8.25	8.25	28.67	28.67	28.68	100.6	100.0	100.6	6.54	6.49	6.54	5.12	5.16	5.13	7	
11/08/2018	19:51	Cloudy	Middle	3.0	27.20	27.20	27.20	7.87	7.87	7.87	26.67	26.67	26.67	72.8	72.0	72.0	4.97	4.92	4.92	1.63	1.44	1.45	7	7.00
	19:52		Middle	3.0	27.20	27.20	27.20	7.87	7.87	7.87	26.67	26.67	26.67	72.1	71.2	72.0	4.93	4.87	4.92	1.39	1.32	1.45	7	
13/08/2018	07:54	Cloudy	Middle	3.0	27.00	27.00	27.00	7.73	7.73	7.73	27.73	27.73	27.73	69.9	68.7	68.8	4.54	4.46	4.47	2.71	2.55	2.48	6	6.00
	07:55		Middle	3.0	27.00	27.00	27.00	7.73	7.73	7.73	27.73	27.73	27.73	68.6	68.0	68.8	4.45	4.42	4.47	2.10	2.55	2.48	6	
15/08/2018	09:20	Cloudy	Middle	4.0	27.80	27.80	27.80	8.00	8.00	8.01	29.74	29.74	29.86	84.3	83.9	83.6	5.60	5.58	5.55	10.04	10.03	10.02	13	13.00
	09:22		Middle	4.0	27.80	27.80	27.80	8.02	8.02	8.01	29.98	29.98	29.86	83.0	83.1	83.6	5.51	5.52	5.55	10.00	10.00	10.02	13	
17/08/2018	-	Amber Rainstorm Warning Signal	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-		Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21/08/2018	14:35	Cloudy	Middle	3.5	28.70	28.70	28.70	8.04	8.04	8.05	28.29	28.29	28.29	84.3	84.1	83.9	5.57	5.56	5.54	5.84	5.82	5.88	7	7.00
	14:37		Middle	3.5	28.70	28.70	28.70	8.05	8.05	8.05	28.29	28.29	28.29	83.6	83.4	83.9	5.52	5.51	5.54	5.90	5.97	5.88	7	
23/08/2018	16:45	Fine	Middle	3.5	28.90	28.90	28.95	8.01	8.01	8.02	30.16	30.16	30.16	87.3	87.9	87.4	5.69	5.72	5.69	5.14	5.11	5.13	6	6.00
	16:47		Middle	3.5	29.00	29.00	28.95	8.03	8.03	8.02	30.16	30.16	30.16	87.4	87.1	87.4	5.69	5.67	5.69	5.12	5.14	5.13	6	
25/08/2018	19:53	Cloudy	Middle	3.0	28.30	28.30	28.30	7.86	7.86	7.74	26.32	26.32	26.32	14.1	14.8	15.0	0.95	0.99	1.01	2.46	2.68	2.52	7	7.50
	19:54		Middle	3.0	28.30	28.30	28.30	7.86	7.39	7.74	26.32	26.32	26.32	15.5	15.7	15.0	1.04	1.06	1.01	2.44	2.50	2.52	8	
27/08/2018	21:11	Cloudy	Middle	3.0	25.80	25.80	25.80	8.10	8.10	8.10	23.31	23.31	23.31	64.7	64.8	64.0	4.61	4.62	4.57	7.63	7.28	7.45	11	12.00
	21:12		Middle	3.0	25.80	25.80	25.80	8.10	8.10	8.10	23.31	23.31	23.31	63.9	62.7	64.0	4.55	4.48	4.57	7.69	7.19	7.45	13	
29/08/2018	-	Amber Rainstorm Warning Signal	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-		Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31/08/2018	15:10	Cloudy	Middle	3.5	27.50	27.50	27.50	7.96	7.96	7.96	28.61	28.61	28.62	86.1	86.3	85.8	5.80	5.81	5.78	6.66	6.67	6.61	8	8.00
	15:12		Middle	3.5	27.50	27.50	27.50	7.96	7.96	7.96	28.62	28.62	28.62	85.5	85.4	85.8	5.75	5.74	5.78	6.57	6.55	6.61	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				
01/08/2018	13:55	Fine	Middle	4.0	30.70	30.70	30.70	8.14	8.14	8.15	28.40	28.40	28.42	91.5	92.9	92.4	5.88	5.97	5.93	5.14	5.16	5.16	8	8.00
	13:57		Middle	4.0	30.70	30.70		8.16	8.16		28.44	28.44		92.5	92.6		5.94	5.94		5.17	5.17		8	
03/08/2018	14:50	Fine	Middle	4.0	29.20	29.20	29.25	8.17	8.17	8.18	28.55	28.55	28.55	92.5	93.6	92.9	6.05	6.12	6.08	4.05	4.00	4.02	5	6.00
	14:52		Middle	4.0	29.30	29.30		8.18	8.18		28.55	28.55		93.0	92.6		6.09	6.06		3.99	4.05		7	
07/08/2018	09:35	Fine	Middle	3.5	29.60	29.60	29.60	8.12	8.12	8.13	28.58	28.58	28.58	87.1	87.4	87.3	5.66	5.69	5.67	3.56	3.62	3.62	5	6.00
	09:37		Middle	3.5	29.60	29.60		8.14	8.14		28.57	28.57		87.5	87.0		5.69	5.65		3.64	3.64		7	
09/08/2018	12:10	Fine	Middle	3.5	29.40	29.40	29.45	8.28	8.28	8.29	29.20	29.20	29.20	91.2	92.8	92.6	5.92	6.06	6.02	5.91	5.93	5.94	7	8.00
	12:12		Middle	3.5	29.50	29.50		8.29	8.29		29.19	29.19		93.2	93.2		6.05	6.05		5.94	5.97		9	
11/08/2018	-	Amber Rainstorm Warning Signal	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
13/08/2018	13:05	Fine	Middle	4.0	28.30	28.30	28.35	7.91	7.91	7.92	29.92	29.92	29.92	85.2	85.5	85.2	5.61	5.63	5.61	5.80	5.81	5.81	5	5.50
	13:07		Middle	4.0	28.40	28.40		7.93	7.93		29.91	29.91		85.1	85.0		5.60	5.59		5.81	5.81		6	
15/08/2018	15:00	Fine	Middle	4.0	28.60	28.60	28.60	8.03	8.03	8.03	29.87	29.87	29.87	84.3	84.1	83.9	5.53	5.52	5.50	7.13	7.13	7.12	12	11.50
	15:02		Middle	4.0	28.60	28.60		8.03	8.03		29.87	29.87		83.4	83.6		5.47	5.48		7.12	7.10		11	
17/08/2018	17:35	Cloudy	Middle	3.5	28.10	28.10	28.10	7.99	7.99	8.00	29.58	29.58	29.59	81.5	81.5	81.3	5.40	5.40	5.39	6.59	6.58	6.59	8	7.50
	17:37		Middle	3.5	28.10	28.10		8.00	8.00		29.59	29.59		81.1	81.0		5.37	5.37		6.58	6.59		7	
21/08/2018	09:35	Fine	Middle	4.0	28.80	28.80	28.80	8.00	8.00	8.00	28.46	28.46	28.46	84.8	85.0	84.9	5.59	5.60	5.61	3.41	3.41	3.42	4	4.00
	09:37		Middle	4.0	28.80	28.80		8.00	8.00		28.45	28.45		84.6	85.0		5.58	5.66		3.43	3.43		4	
23/08/2018	12:50	Cloudy	Middle	3.5	28.00	28.00	28.00	8.00	8.00	8.00	30.10	30.10	30.10	88.0	87.0	86.9	5.82	5.80	5.75	5.50	5.60	5.54	6	6.50
	12:52		Middle	3.5	28.00	28.00		8.00	8.00		30.09	30.09		86.1	86.4		5.68	5.71		5.52	5.53		7	
25/08/2018	10:55	Fine	Middle	4.0	28.10	28.10	28.20	7.97	7.97	7.98	31.55	31.55	31.55	84.2	84.3	84.2	5.51	5.51	5.50	6.15	6.08	6.10	6	6.50
	10:57		Middle	4.0	28.30	28.30		7.99	7.99		31.54	31.54		83.9	84.2		5.48	5.50		6.07	6.11		7	
27/08/2018	11:30	Cloudy	Middle	4.0	26.60	26.60	26.60	7.92	7.92	7.93	31.31	31.31	31.31	85.3	85.8	85.3	5.74	5.77	5.74	6.93	6.80	6.88	6	6.00
	11:32		Middle	4.0	26.60	26.60		7.93	7.93		31.30	31.30		85.0	85.2		5.71	5.73		6.90	6.90		6	
29/08/2018	-	Amber Rainstorm Warning Signal	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
31/08/2018	11:10	Cloudy	Middle	3.5	26.00	26.00	26.35	7.96	7.96	7.97	29.62	29.62	29.62	81.2	82.0	82.0	5.51	5.56	5.56	8.51	8.56	8.59	10	10.00
	11:12		Middle	3.5	26.70	26.70		7.97	7.97		29.62	29.62		82.4	82.4		5.59	5.58		8.63	8.66		10	

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				
01/08/2018	13:50	Fine	Middle	4	30.50	30.50	30.60	8.11	8.11	8.15	28.41	28.41	28.41	97.1	97.2	96.5	6.22	6.22	6.18	4.55	4.58	4.57	12	11.50
	13:52		Middle	4	30.70	30.70		8.19	8.19		28.41	28.41		96.0	95.8		6.14	6.13		4.58	4.56		11	
03/08/2018	14:45	Fine	Middle	4	29.70	29.70	29.80	8.12	8.12	8.13	28.62	28.62	28.62	98.2	97.3	96.8	6.36	6.30	6.27	4.08	4.12	4.12	7	6.50
	14:47		Middle	4	29.90	29.90		8.14	8.14		28.62	28.62		95.9	95.8		6.20	6.20		4.12	4.16		6	
07/08/2018	09:30	Fine	Middle	4	29.60	29.60	29.70	8.08	8.08	8.10	28.78	28.78	28.78	91.5	91.7	91.0	5.93	5.94	5.89	3.36	3.33	3.33	5	5.00
	09:32		Middle	4	29.80	29.80		8.11	8.11		28.78	28.78		90.8	89.9		5.88	5.82		3.31	3.31		5	
09/08/2018	12:05	Fine	Middle	4	30.00	30.00	30.05	8.25	8.25	8.25	29.21	29.21	29.21	94.4	95.4	94.6	6.07	6.11	6.08	3.89	3.86	3.86	6	7.00
	12:07		Middle	4	30.10	30.10		8.25	8.25		29.21	29.21		94.5	94.0		6.08	6.04		3.84	3.85		8	
11/08/2018	-	Amber Rainstorm Warning Signal	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-		Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
13/08/2018	13:10	Fine	Middle	4	28.90	28.90	28.90	7.86	7.86	7.87	29.93	29.93	29.94	77.9	78.9	78.7	5.08	5.13	5.12	6.08	6.04	6.05	6	6.00
	13:12		Middle	4	28.90	28.90		7.88	7.88		29.94	29.94		79.2	78.7		5.15	5.11		6.03	6.05		6	
15/08/2018	14:55	Fine	Middle	4	29.00	29.00	29.05	8.02	8.02	8.02	29.93	29.93	29.93	80.7	81.0	80.7	5.25	5.27	5.25	7.29	7.30	7.28	8	8.00
	14:57		Middle	4	29.10	29.10		8.02	8.02		29.92	29.92		80.6	80.3		5.24	5.22		7.26	7.26		8	
17/08/2018	17:30	Cloudy	Middle	4	29.30	29.30	28.85	7.98	7.98	7.98	29.50	29.50	29.50	82.1	82.1	81.8	5.42	5.42	5.40	6.28	6.28	6.28	7	7.00
	17:35		Middle	4	28.40	28.40		7.98	7.98		29.50	29.50		81.5	81.3		5.38	5.36		6.27	6.27		7	
21/08/2018	09:30	Fine	Middle	4	28.80	28.80	28.80	7.99	7.99	7.99	28.72	28.72	28.72	82.2	82.5	82.5	5.41	5.44	5.43	5.26	5.27	5.27	4	4.00
	09:32		Middle	4	28.80	28.80		7.99	7.99		28.72	28.72		82.8	82.5		5.44	5.43		5.27	5.27		4	
23/08/2018	12:45	Cloudy	Middle	4	28.00	28.00	28.05	7.99	7.99	7.97	29.49	29.49	29.60	88.4	88.5	87.7	5.86	5.87	5.81	5.16	5.17	5.16	7	7.00
	12:47		Middle	4	28.10	28.10		7.95	7.95		29.70	29.70		87.2	86.7		5.77	5.74		5.16	5.16		7	
25/08/2018	10:50	Fine	Middle	4	28.70	28.70	28.90	7.92	7.92	7.93	31.57	31.57	31.56	86.8	86.9	86.4	5.61	5.62	5.59	5.65	5.65	5.62	7	7.00
	10:52		Middle	4	29.10	29.10		7.93	7.93		31.55	31.55		85.9	86.1		5.59	5.55		5.60	5.56		7	
27/08/2018	11:25	Cloudy	Middle	4	26.90	26.90	26.95	7.88	7.88	7.89	31.43	31.43	31.43	86.0	85.5	85.2	5.67	5.72	5.67	6.96	6.98	6.96	7	7.00
	11:27		Middle	4	27.00	27.00		7.89	7.89		31.43	31.43		84.7	84.5		5.66	5.64		6.98	6.92		7	
29/08/2018	-	Amber Rainstorm Warning Signal	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-		Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
31/08/2018	11:05	Cloudy	Middle	4	27.00	27.00	27.05	7.95	7.95	7.95	28.30	28.30	28.30	79.2	76.4	77.4	5.17	5.19	5.21	9.14	9.14	9.14	8	8.00
	11:07		Middle	4	27.10	27.10		7.95	7.95		28.29	28.29		77.0	77.0		5.23	5.23		9.14	9.13		8	

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					
03/09/2018	10:35	Fine	Middle	4.0	26.90	26.90	26.95	7.90	7.90	7.91	27.82	27.82	27.82	79.9	80.4	80.6	5.45	5.49	5.50	5.51	5.41	5.43	6	6.50
	10:37		Middle	4.0	27.00	27.00		7.92	7.92		27.82	27.82		81.0	81.0		80.6	5.52		5.52	5.50		5.41	
05/09/2018	14:25	Fine	Middle	4.0	28.60	28.60	28.65	7.96	7.96	7.97	27.85	27.85	27.85	79.0	79.2	79.7	5.24	5.25	5.27	6.67	6.69	6.68	5	5.00
	14:27		Middle	4.0	28.70	28.70		7.97	7.97		27.85	27.85		80.0	80.4		79.7	5.30		5.30	5.27		6.69	
07/09/2018	17:35	Fine	Middle	3.5	26.90	26.90	26.90	8.12	8.12	8.13	29.73	29.73	29.70	65.1	65.2	63.6	4.39	4.40	<u>4.29</u>	9.36	9.56	9.10	8	8.00
	17:37		Middle	3.5	26.90	26.90		8.13	8.13		29.67	29.67		63.9	60.2		63.6	4.31		4.06	<u>4.29</u>		8.72	
10/09/2018	19:47	Cloudy	Middle	3.0	28.00	28.00	28.00	7.99	7.99	7.99	30.61	30.61	30.63	80.3	80.6	80.2	4.91	4.93	4.91	8.72	8.76	8.68	9	8.50
	19:49		Middle	3.0	28.00	28.00		7.99	7.99		30.61	30.69		30.63	79.9		80.0	80.2		4.88	4.90		4.91	
12/09/2018	-	Tropical Storm Signal No. 3	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
14/09/2018	15:55	Fine	Middle	4.0	27.80	27.80	27.85	8.01	8.01	8.01	30.88	30.88	30.89	84.1	84.7	84.8	5.55	5.60	5.60	7.09	7.09	7.08	8	8.00
	15:57		Middle	4.0	27.90	27.90		8.01	8.01		30.89	30.89		30.89	85.1		85.2	84.8		5.62	5.62		5.60	
17/09/2018	-	Tropical Storm Signal No. 3	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	

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

\*According to observation on 19 September 2018 morning, it was observed that ground surface at water quality monitoring station M5b was damaged after typhoon and the accesses of those WQM stations were fenced off due to safety concern. The scheduled Water Quality Monitoring at water quality monitoring station M5b was temporary suspended from 19 September 2018 onward.



**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					
03/09/2018	10:30	Fine	Middle	3.5	27.00	27.00	27.05	7.99	7.99	7.99	20.93	20.93	20.93	73.4	73.1	72.7	5.20	5.18	5.15	11.82	11.77	11.77	16	16.00
	10:32		Middle	3.5	27.10	27.10		7.98	7.98		20.93	20.93		72.2	72.1		5.10	5.10		11.74	11.75		16	
05/09/2018	14:20	Fine	Middle	3.5	29.50	29.50	29.55	7.90	7.90	7.90	25.71	25.71	25.72	74.7	74.6	74.5	4.94	4.93	4.92	9.60	9.69	9.69	8	8.00
	14:22		Middle	3.5	29.60	29.60		7.90	7.90		25.72	25.72		74.4	74.4		4.90	4.90		9.75	9.72		8	
07/09/2018	18:20	Fine	Middle	3.5	27.40	27.40	27.50	8.09	8.09	8.10	29.74	29.74	29.70	57.4	56.2	55.6	3.84	3.76	3.72	9.70	9.69	9.69	8	8.00
	18:22		Middle	3.5	27.60	27.60		8.11	8.11		29.66	29.66		55.0	53.7		3.68	3.59		9.69	9.69		8	
10/09/2018	19:53	Cloudy	Middle	2.5	28.10	28.10	28.10	7.92	7.92	7.92	27.05	27.05	27.05	69.6	69.3	70.2	4.39	4.37	4.43	8.98	8.28	8.56	12	11.50
	19:54		Middle	2.5	28.10	28.10		7.91	7.91		27.05	27.05		70.6	71.4		4.45	4.50		8.51	8.46		11	
12/09/2018	-	Tropical Storm Signal No. 3	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
14/09/2018	15:47	Fine	Middle	4.0	28.20	28.20	28.25	7.97	7.97	7.98	30.88	30.88	30.84	79.4	79.5	79.4	5.21	5.21	5.20	7.40	7.44	7.44	9	8.50
	15:47		Middle	4.0	28.30	28.30		7.98	7.98		30.80	30.80		79.3	79.2		5.20	5.19		7.45	7.45		8	
17/09/2018	-	Tropical Storm Signal No. 3	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
19/09/2018	09:35	Fine	Middle	4.0	27.80	27.80	27.60	7.78	7.80	7.81	19.69	19.69	19.70	58.0	59.0	58.6	4.12	4.15	4.13	30.02	30.00	30.01	15	15.00
	09:37		Middle	4.0	27.80	27.00		7.82	7.82		19.70	19.70		58.6	58.6		4.12	4.12		30.00	30.02		15	
21/09/2018	18:00	Fine	Middle	4.0	28.80	28.80	28.90	7.93	7.93	7.93	30.09	30.09	30.10	78.8	78.5	78.2	5.14	5.12	5.09	14.79	14.87	14.90	12	12.50
	18:02		Middle	4.0	29.00	29.00		7.93	7.93		30.10	30.10		77.7	77.7		5.05	5.06		14.94	14.99		13	
24/09/2018	16:30	Cloudy	Middle	4.0	28.40	28.40	28.70	8.02	8.02	8.03	26.78	26.78	26.79	75.3	73.9	74.8	5.00	4.90	4.96	10.80	10.70	10.71	5	4.50
	16:32		Middle	4.0	29.00	29.00		8.03	8.03		26.79	26.79		76.0	74.0		5.04	4.91		10.69	10.63		4	
26/09/2018	20:51	Cloudy	Middle	3.0	25.80	25.80	25.80	7.98	7.98	7.98	26.20	26.20	26.20	65.4	66.5	65.5	4.59	4.67	4.60	5.94	6.04	5.90	11	11.00
	20:52		Middle	3.0	25.80	25.80		7.98	7.98		26.20	26.20		65.7	64.3		4.61	4.52		5.84	5.78		11	
28/09/2018	19:50	Cloudy	Middle	3.0	25.20	25.20	25.20	7.94	7.94	7.94	24.11	24.11	24.11	54.9	54.7	55.3	3.95	3.93	3.97	8.01	7.76	7.79	11	10.50
	19:51		Middle	3.0	25.20	25.20		7.94	7.94		24.11	24.11		55.6	55.8		3.99	4.00		7.47	7.92		10	

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	Value	Average		
03/09/2018	06:03	Cloudy	Middle	3.5	28.80	28.80	28.80	7.87	7.87	7.87	27.98	27.98	27.98	77.1	77.5	77.7	5.02	5.05	5.06	1.66	1.59	1.55	<2	<2
	06:04		Middle	3.5	28.80	28.80		7.87	7.87		27.98	27.99		78.1	78.2		5.08	5.10		1.41	1.52		<2	
05/09/2018	10:50	Fine	Middle	3.5	28.70	28.70	28.75	7.92	7.92	7.93	26.47	26.47	26.48	79.4	79.5	79.6	5.30	5.30	5.31	6.02	6.04	6.03	5	5.00
	10:52		Middle	3.5	28.80	28.80		7.93	7.93		26.48	26.48		79.9	79.7		5.32	5.31		6.04	6.03		5	
07/09/2018	10:07	Fine	Middle	3.5	27.30	27.30	27.30	8.11	8.11	8.12	28.93	28.93	28.92	71.3	69.7	69.2	4.81	4.70	4.67	6.27	6.19	6.20	5	5.00
	10:09		Middle	3.5	27.30	27.30		8.12	8.12		28.91	28.91		68.6	67.2		4.63	4.53		6.21	6.14		5	
10/09/2018	10:25	Fine	Middle	4.0	26.10	26.10	26.15	8.11	8.11	8.11	31.77	31.77	31.77	84.5	85.6	85.1	5.71	5.79	5.75	8.07	8.08	8.08	6	6.00
	10:27		Middle	4.0	26.20	26.20		8.11	8.11		31.77	31.77		85.2	84.9		5.76	5.74		8.08	8.08		6	
12/09/2018	-	Tropical Storm Signal No. 3	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
14/09/2018	10:50	Fine	Middle	4.0	27.40	27.40	27.40	7.98	7.98	7.99	31.14	31.14	31.14	81.0	80.5	81.3	5.38	5.35	5.40	15.36	15.32	15.34	12	12.00
	10:52		Middle	4.0	27.40	27.40		7.99	7.99		31.14	31.14		81.8	81.7		5.43	5.42		15.34	15.35		12	
17/09/2018	-	Tropical Storm Signal No. 8	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	

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

\*According to observation on 19 September 2018 morning, it was observed that ground surface at water quality monitoring station M5b was damaged after typhoon and the accesses of those WQM stations were fenced off due to safety concern. The scheduled Water Quality Monitoring at water quality monitoring station M5b was temporary suspended from 19 September 2018 onward.



**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				
03/09/2018	06:15	Cloudy	Middle	3	28.40	28.40	28.40	7.87	7.87	7.86	23.78	23.78	23.78	69.1	70.6	71.2	4.73	4.76	4.80	1.87	1.96	1.96	2	2.00
	06:16		Middle	3	28.40	28.40		7.84	7.84		23.78	23.78		72.8	72.3		4.87	4.84		2.10	1.89		<2	
05/09/2018	10:45	Fine	Middle	4	29.20	29.20	29.30	7.88	7.88	7.89	26.52	26.52	26.53	82.7	82.8	82.8	5.47	5.47	5.47	6.95	6.97	6.96	8	7.50
	10:47		Middle	4	29.40	29.40		7.89	7.89		26.53	26.53		82.8	82.9		5.47	5.47		6.97	6.95		7	
07/09/2018	10:00	Fine	Middle	4	27.80	27.80	27.90	8.11	8.11	8.11	25.63	25.63	25.62	60.3	59.3	58.6	4.11	4.04	3.99	7.09	7.07	6.98	5	5.00
	10:02		Middle	4	28.00	28.00		8.11	8.11		25.60	25.60		58.7	56.2		3.99	3.82		6.89	6.86		5	
10/09/2018	10:20	Fine	Middle	4	26.10	26.10	26.15	8.05	8.05	8.06	31.15	31.15	31.15	81.4	81.0	80.8	5.52	5.49	5.48	8.22	8.22	8.22	7	7.50
	10:22		Middle	4	26.20	26.20		8.07	8.07		31.15	31.15		80.5	80.4		5.45	5.45		8.23	8.22		8	
12/09/2018	-	Tropical Storm Signal No. 3	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
14/09/2018	10:45	Fine	Middle	4	28.10	28.10	28.15	7.94	7.94	7.95	29.92	29.92	29.92	75.7	75.8	75.6	5.00	5.00	4.99	14.43	14.38	14.39	12	12.50
	10:47		Middle	4	28.20	28.20		7.95	7.95		29.92	29.92		75.4	75.6		4.97	4.99		14.37	14.36		13	
17/09/2018	-	Tropical Storm Signal No. 8	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
19/09/2018	16:50	Fine	Middle	4	28.40	28.40	28.45	7.97	7.97	7.98	28.10	28.10	28.11	77.9	77.9	77.9	5.18	5.17	5.18	16.64	16.76	16.76	22	22.50
	16:52		Middle	4	28.50	28.50		7.98	7.98		28.11	28.11		77.9	77.9		5.17	5.18		16.83	16.80		23	
21/09/2018	09:35	Fine	Middle	4	28.20	28.20	28.25	7.73	7.73	7.71	21.48	21.48	21.48	52.2	52.3	52.3	3.61	3.62	3.62	15.98	15.99	16.01	10	10.00
	09:37		Middle	4	28.30	28.30		7.69	7.69		21.48	21.48		52.2	52.5		3.61	3.63		16.02	16.03		10	
24/09/2018	-	Amber Rainstorm Warning Signal	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
26/09/2018	16:00	Fine	Middle	4	27.80	27.80	27.90	7.93	7.93	7.94	28.99	28.99	28.99	75.0	71.5	73.4	4.87	4.83	4.88	10.49	10.49	10.49	9	8.50
	16:02		Middle	4	28.00	28.00		7.95	7.95		28.99	28.99		73.5	73.5		4.90	4.90		10.49	10.49		8	
28/09/2018	15:15	Fine	Middle	4	28.40	28.40	28.40	8.01	8.01	8.01	30.46	30.46	30.46	80.0	80.0	79.6	5.25	5.25	5.22	9.69	9.67	9.68	9	8.50
	15:17		Middle	4	28.40	28.40		8.01	8.01		30.46	30.46		79.2	79.2		5.19	5.19		9.67	9.67		8	

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					
02/10/2018	14:30	Fine	Middle	4.0	27.40	27.40	27.50	7.96	7.96	7.97	31.69	31.69	31.70	84.6	84.6	84.6	5.60	5.60	5.60	12.48	12.45	12.47	20	<b>20.50</b>
	14:32		Middle	4.0	27.60	27.60		7.97	7.97		31.70	31.70		84.7	84.4		5.60	5.58		12.49	12.47		21	
04/10/2018	15:55	Fine	Middle	4.0	27.60	27.60	27.60	7.94	7.94	7.94	31.40	31.40	31.41	82.8	82.1	82.6	5.46	5.43	5.46	5.56	5.53	5.54	6	6.00
	15:57		Middle	4.0	27.60	27.60		7.94	7.94		31.41	31.41		82.8	82.8		5.48	5.48		5.56	5.52		6	
06/10/2018	15:14	Fine	Middle	3.5	27.60	27.60	27.70	7.99	7.99	8.00	31.95	31.95	31.95	69.3	67.9	67.6	4.56	4.46	<b>4.44</b>	7.64	7.74	7.59	13	<b>13.00</b>
	15:16		Middle	3.5	27.80	27.80		8.00	8.00		31.95	31.95		67.0	66.0		4.40	4.34		7.53	7.43		13	
08/10/2018	15:30	Fine	Middle	4.0	28.10	28.10	28.15	7.89	7.89	7.89	31.99	31.99	32.02	81.2	81.6	81.2	5.30	5.33	5.30	6.73	6.70	6.73	12	<b>12.00</b>
	15:32		Middle	4.0	28.20	28.20		7.89	7.89		32.04	32.04		80.9	80.9		5.28	5.28		6.72	6.77		12	
10/10/2018	19:17	Cloudy	Middle	3.5	25.60	25.60	25.60	8.16	8.16	8.16	31.36	31.36	31.36	74.8	76.4	75.8	5.12	5.23	5.19	17.86	17.27	17.44	11	11.50
	19:18		Middle	3.5	25.60	25.60		8.16	8.16		31.36	31.36		76.2	75.8		5.22	5.19		17.41	17.20		12	
12/10/2018	11:20	Fine	Middle	4.0	26.30	26.30	26.35	7.92	7.92	7.93	31.87	31.87	32.11	83.8	84.3	84.0	5.63	5.66	5.64	6.86	6.80	6.79	10	10.00
	11:22		Middle	4.0	26.40	26.40		7.94	7.94		32.35	32.35		84.0	83.7		5.64	5.62		6.76	6.74		10	
15/10/2018	11:55	Cloudy	Middle	4.0	26.80	26.80	26.85	7.80	7.80	7.86	32.54	32.54	32.53	86.3	86.1	86.4	5.74	5.71	5.74	8.44	8.41	8.39	9	8.50
	11:57		Middle	4.0	26.90	26.90		7.91	7.91		32.54	32.50		86.7	86.4		5.76	5.74		8.35	8.37		8	
18/10/2018	13:14	Cloudy	Middle	3.5	25.40	25.40	25.40	7.87	7.87	7.88	32.47	32.47	32.48	58.4	58.0	58.0	3.98	3.96	<b>3.95</b>	5.65	5.66	5.67	7	6.50
	13:16		Middle	3.5	25.40	25.40		7.88	7.88		32.48	32.48		57.8	57.6		3.94	3.93		5.68	5.70		6	
20/10/2018	17:00	Cloudy	Middle	4.0	25.00	25.00	25.00	7.96	7.96	7.97	32.97	32.97	32.98	87.2	87.4	86.8	5.97	5.99	5.95	5.04	5.06	5.06	4	4.00
	17:02		Middle	4.0	25.00	25.00		7.97	7.97		32.98	32.98		86.4	86.3		5.92	5.91		5.07	5.06		4	
22/10/2018	17:55	Cloudy	Middle	4.0	25.70	25.70	25.70	7.83	7.83	7.83	32.85	32.85	32.85	79.1	80.0	80.5	5.38	5.43	5.46	5.16	5.17	5.17	3	3.50
	17:57		Middle	4.0	25.70	25.70		7.83	7.83		32.85	32.85		81.2	81.8		5.50	5.53		5.18	5.18		4	
24/10/2018	16:05	Fine	Middle	4.0	26.00	26.00	26.05	7.88	7.88	7.89	32.80	32.80	32.80	80.5	80.8	81.1	5.43	5.45	5.47	5.22	5.21	5.21	9	9.00
	16:07		Middle	4.0	26.10	26.10		7.89	7.89		32.80	32.80		81.5	81.6		5.49	5.49		5.20	5.20		9	
26/10/2018	20:52	Cloudy	Middle	3.5	26.00	26.00	26.00	8.21	8.21	8.21	32.29	32.29	32.29	74.2	75.6	76.0	5.01	5.11	5.13	6.20	5.98	6.09	7	6.50
	20:53		Middle	3.5	26.00	26.00		8.21	8.21		32.29	32.29		77.5	76.7		5.23	5.18		6.11	6.06		6	
30/10/2018	09:36	Fine	Middle	3.5	25.40	25.40	25.40	7.82	7.82	7.83	31.50	31.50	31.51	58.3	59.7	60.0	4.00	4.10	<b>4.12</b>	4.04	3.99	3.97	6	6.50
	09:38		Middle	3.5	25.40	25.40		7.83	7.83		31.51	31.51		61.2	60.6		4.20	4.16		3.94	3.91		7	



**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	Value	Average			
02/10/2018	14:25	Fine	Middle	4.0	28.10	28.10	28.15	7.91	7.91	7.92	31.42	31.42	31.41	82.0	82.0	81.9	5.39	5.37	5.36	12.31	12.24	12.26	20	20.50
	14:27		Middle	4.0	28.20	28.20		7.93	7.93		31.40	31.40		81.8	81.8		5.34	5.34		12.24	12.26		21	
04/10/2018	15:50	Fine	Middle	4.0	27.90	27.90	27.95	7.92	7.92	7.93	31.34	31.34	31.35	85.9	86.0	85.3	5.65	5.65	5.59	5.10	5.09	5.09	8	8.50
	15:52		Middle	4.0	28.00	28.00		7.93	7.93		31.35	31.35		84.5	84.8		5.50	5.57		5.09	5.07		9	
06/10/2018	15:10	Fine	Middle	3.5	28.60	28.60	28.70	7.96	7.96	7.95	32.10	32.10	32.00	70.3	71.1	70.6	4.55	4.60	4.57	6.65	6.47	6.48	10	10.00
	15:12		Middle	3.5	28.80	28.80		7.93	7.93		31.90	31.90		70.9	70.1		4.59	4.53		6.37	6.41		10	
08/10/2018	15:25	Fine	Middle	3.5	28.30	28.30	28.45	7.87	7.87	7.88	32.05	32.05	32.10	80.7	80.2	80.5	5.23	5.20	5.22	7.08	7.07	7.07	10	10.00
	15:27		Middle	3.5	28.60	28.60		7.89	7.89		32.15	32.15		80.5	80.6		5.22	5.22		7.07	7.07		10	
10/10/2018	19:23	Cloudy	Middle	3.0	25.70	25.70	25.70	8.17	8.17	8.17	30.09	30.09	30.09	72.2	73.8	73.8	4.97	5.08	5.08	16.45	16.32	16.34	11	11.00
	19:24		Middle	3.0	25.70	25.70		8.17	8.17		30.09	30.09		75.2	74.0		5.18	5.10		16.39	16.19		11	
12/10/2018	11:25	Fine	Middle	4.0	26.40	26.40	26.40	7.90	7.90	7.91	31.93	31.93	31.93	81.8	81.7	81.9	5.51	5.50	5.52	14.29	14.18	14.25	19	18.50
	11:27		Middle	4.0	26.40	26.40		7.91	7.91		31.93	31.93		82.1	82.1		5.53	5.52		14.28	14.26		18	
15/10/2018	12:00	Cloudy	Middle	4.0	26.70	26.70	26.70	7.93	7.93	7.93	32.50	32.50	32.50	80.6	81.4	81.2	5.38	5.43	5.42	6.63	6.62	6.61	12	11.50
	12:02		Middle	4.0	26.70	26.70		7.93	7.93		32.50	32.50		81.1	81.7		5.43	5.45		6.60	6.57		11	
18/10/2018	13:18	Cloudy	Middle	3.5	25.10	25.10	25.10	7.84	7.84	7.85	31.62	31.62	31.62	50.5	49.5	49.3	3.48	3.41	3.40	5.79	5.75	5.73	8	8.00
	13:20		Middle	3.5	25.10	25.10		7.86	7.86		31.62	31.62		48.8	48.3		3.36	3.33		5.70	5.66		8	
20/10/2018	16:55	Cloudy	Middle	4.0	25.20	25.20	25.20	7.93	7.93	7.94	32.55	32.55	32.56	86.1	86.2	85.9	5.89	5.90	5.88	4.85	4.87	4.88	5	5.50
	16:57		Middle	4.0	25.20	25.20		7.95	7.95		32.56	32.56		85.8	85.6		5.87	5.85		4.90	4.91		6	
22/10/2018	17:50	Cloudy	Middle	3.5	26.00	26.00	26.05	7.80	7.80	7.81	32.85	32.85	32.85	82.2	83.3	82.8	5.53	5.61	5.58	4.98	4.97	4.97	4	4.00
	17:52		Middle	3.5	26.10	26.10		7.81	7.81		32.85	32.85		82.2	83.4		5.55	5.62		4.96	4.96		4	
24/10/2018	16:00	Fine	Middle	3.5	26.30	26.30	26.40	7.86	7.86	7.87	32.27	32.27	32.27	76.9	77.3	76.7	5.16	5.19	5.14	5.42	5.37	5.38	8	7.50
	16:02		Middle	3.5	26.50	26.50		7.87	7.87		32.27	32.27		75.9	76.5		5.09	5.13		5.37	5.34		7	
26/10/2018	20:59	Cloudy	Middle	3.0	26.00	26.00	26.00	8.23	8.23	8.23	30.97	30.97	30.97	74.6	76.8	75.4	5.08	5.23	5.14	9.10	8.87	8.80	7	7.00
	21:00		Middle	3.0	26.00	26.00		8.23	8.23		30.97	30.97		74.9	75.3		5.10	5.13		8.76	8.48		7	
30/10/2018	09:32	Fine	Middle	3.5	25.20	25.20	25.25	7.86	7.86	7.87	32.40	32.40	32.40	55.3	55.0	55.0	3.78	3.76	3.76	4.77	4.77	4.77	6	6.00
	09:34		Middle	3.5	25.30	25.30		7.87	7.87		32.39	32.39		54.8	54.7		3.75	3.76		4.77	4.77		6	



**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				
02/10/2018	05:45	Fine	Middle	3.0	29.20	29.20	29.20	8.08	8.08	8.08	31.43	31.43	31.43	79.8	80.8	80.8	4.85	4.92	4.89	5.41	5.49	5.35	4	4.50
	05:46		Middle	3.0	29.20	29.20		8.08	8.08		31.42	31.42		81.7	80.9		4.87	4.93		5.32	5.17		5	
04/10/2018	08:50	Fine	Middle	3.5	26.40	26.40	26.35	7.89	7.89	7.90	31.36	31.36	31.36	84.3	85.0	84.2	5.70	5.75	5.70	6.70	6.68	6.68	8	8.50
	08:52		Middle	3.5	26.30	26.30		7.91	7.91		31.36	31.36		83.7	83.8		5.66	5.67		6.67	6.67		9	
06/10/2018	10:09	Fine	Middle	3.5	27.40	27.40	27.40	8.04	8.04	8.04	31.96	31.97	31.98	55.1	54.0	52.9	3.65	3.58	3.51	7.84	7.85	7.85	6	6.50
	10:11		Middle	3.5	27.40	27.40		8.04	8.04		31.99	31.99		52.0	50.6		3.44	3.35		7.85	7.85		7	
08/10/2018	09:35	Fine	Middle	4.0	27.00	27.00	27.00	7.98	7.98	7.99	32.34	32.34	32.35	85.1	84.9	84.9	5.66	5.64	5.64	7.32	7.33	7.34	9	8.50
	09:37		Middle	4.0	27.00	27.00		7.99	7.99		32.35	32.35		84.7	84.7		5.63	5.63		7.37	7.35		8	
10/10/2018	13:35	Cloudy	Middle	4.0	26.40	26.40	26.30	8.11	8.11	8.12	29.54	29.54	29.54	78.8	79.2	79.1	5.35	5.42	5.41	7.07	7.08	7.08	8	8.50
	13:37		Middle	4.0	26.20	26.20		8.12	8.12		29.53	29.53		79.2	79.3		5.42	5.43		7.09	7.08		9	
12/10/2018	13:20	Fine	Middle	4.0	26.40	26.40	26.40	7.94	7.94	7.95	32.28	32.28	32.31	82.0	81.6	81.7	5.51	5.48	5.48	7.65	7.60	7.60	11	11.50
	13:22		Middle	4.0	26.40	26.40		7.95	7.95		32.33	32.33		81.5	81.5		5.47	5.47		7.59	7.57		12	
15/10/2018	04:11	Cloudy	Middle	3.5	25.70	25.70	25.70	8.15	8.15	8.15	31.94	31.94	31.94	81.1	80.3	80.9	5.54	5.50	5.53	2.90	2.68	2.56	4	4.50
	04:12		Middle	3.5	25.70	25.70		8.15	8.15		31.94	31.94		81.4	80.9		5.55	5.53		2.44	2.23		5	
18/10/2018	04:49	Cloudy	Middle	3.5	24.10	24.10	24.10	8.24	8.24	8.24	32.06	32.06	32.06	77.8	78.5	77.6	5.44	5.50	5.43	1.08	1.13	1.12	<2	<2
	04:50		Middle	3.5	24.10	24.10		8.24	8.24		32.06	32.06		77.4	76.7		5.41	5.37		1.15	1.10		<2	
20/10/2018	09:35	Fine	Middle	3.5	25.30	25.30	25.30	7.93	7.93	7.94	33.04	33.04	33.05	84.4	84.6	84.2	5.75	5.76	5.73	4.32	4.32	4.32	8	8.00
	09:37		Middle	3.5	25.30	25.30		7.95	7.95		33.05	33.05		83.8	83.8		5.71	5.71		4.32	4.31		8	
22/10/2018	10:35	Fine	Middle	2.5	26.20	26.20	26.25	7.92	7.92	7.88	33.02	33.02	33.02	82.1	82.7	82.7	5.51	5.55	5.54	3.72	3.73	3.74	2	2.00
	10:37		Middle	2.5	26.30	26.30		7.84	7.84		33.02	33.02		82.9	82.9		5.55	5.55		3.75	3.76		2	
24/10/2018	10:20	Fine	Middle	4.0	26.10	26.10	26.15	7.79	7.79	7.81	32.98	32.98	32.99	75.7	77.1	76.7	5.09	5.18	5.15	4.40	4.39	4.38	10	9.00
	10:22		Middle	4.0	26.20	26.20		7.82	7.82		32.99	32.99		76.8	77.1		5.16	5.17		4.36	4.36		8	
26/10/2018	12:50	Fine	Middle	4.0	26.90	26.90	26.90	7.74	7.74	7.75	32.76	32.76	32.76	84.4	85.0	84.8	5.61	5.64	5.63	4.57	4.56	4.55	6	6.00
	12:52		Middle	4.0	26.90	26.90		7.75	7.75		32.76	32.76		84.7	85.1		5.62	5.64		4.56	4.50		6	
30/10/2018	02:45	Fine	Middle	3.5	23.10	23.10	23.10	8.19	8.19	8.19	30.60	30.60	30.60	77.2	77.3	76.9	5.55	5.55	5.53	1.71	1.98	1.71	3	3.00
	02:46		Middle	3.5	23.10	23.10		8.19	8.19		30.60	30.60		76.7	76.4		5.51	5.49		1.52	1.64		3	

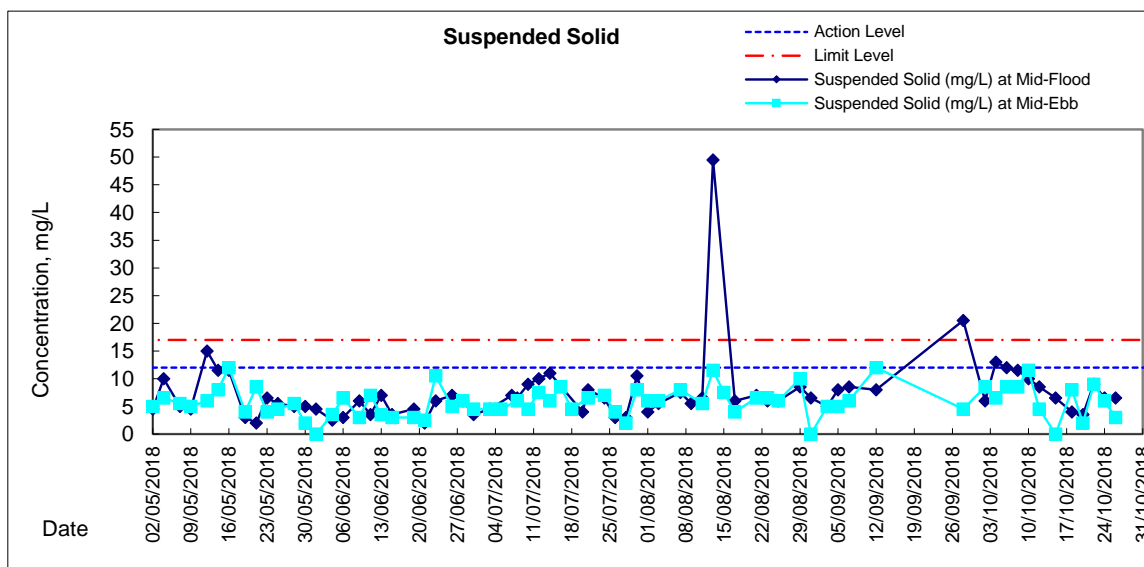
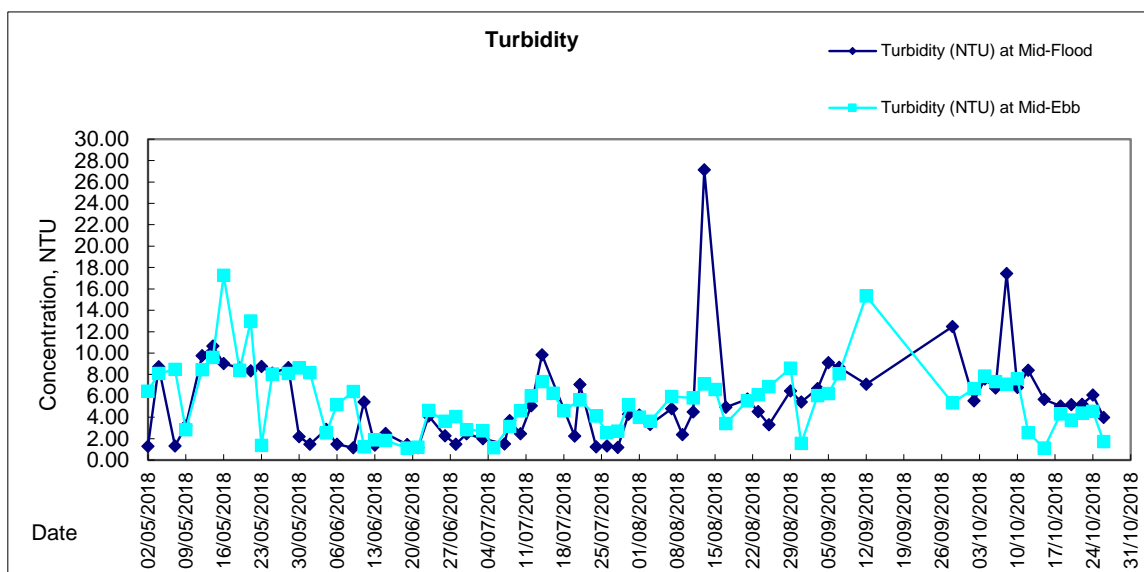
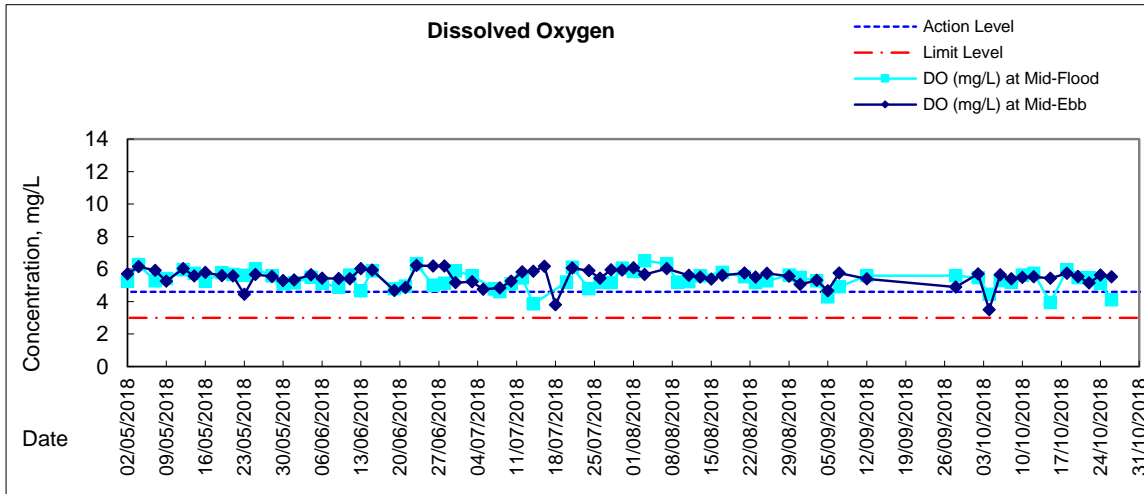


**Water Monitoring Result at Culvert J - Reference Station  
Mid-Ebb Tide**

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				
02/10/2018	06:00	Fine	Middle	3	28.90	28.90	28.90	8.10	8.10	8.10	28.06	28.06	28.06	72.2	74.2	73.3	4.55	4.68	4.62	4.44	4.28	4.32	6	5.50
	06:01		Middle	3	28.90	28.90		8.10	8.10		28.06	28.06		74.1	72.6		4.67	4.57		4.40	4.14		5	
04/10/2018	08:45	Fine	Middle	4	26.60	26.60	26.55	7.86	7.86	7.86	29.22	29.22	29.22	69.4	69.6	70.1	4.73	4.76	4.78	7.10	7.10	7.11	7	6.50
	08:47		Middle	4	26.50	26.50		7.85	7.85		29.22	29.22		71.1	70.2		4.84	4.79		7.11	7.11		6	
06/10/2018	10:05	Fine	Middle	4	27.20	27.20	27.20	7.99	7.99	7.97	28.06	28.06	28.06	50.7	50.3	49.9	3.44	3.42	3.39	6.99	7.00	7.00	13	12.50
	10:07		Middle	4	27.20	27.20		7.95	7.95		28.06	28.06		49.2	49.5		3.34	3.36		7.00	7.01		12	
08/10/2018	09:30	Fine	Middle	4	27.00	27.00	27.00	7.95	7.95	7.96	31.95	31.95	31.95	83.3	83.8	83.9	5.55	5.58	5.59	7.55	7.65	7.61	9	9.50
	09:32		Middle	4	27.00	27.00		7.96	7.96		31.95	31.95		84.3	84.2		5.62	5.61		7.64	7.60		10	
10/10/2018	13:30	Cloudy	Middle	4	26.10	26.10	26.05	8.10	8.10	8.11	29.33	29.33	29.33	78.9	79.5	79.2	5.42	5.45	5.44	7.31	7.28	7.27	13	12.50
	13:32		Middle	4	26.00	26.00		8.11	8.11		29.33	29.33		79.3	79.1		5.45	5.45		7.24	7.26		12	
12/10/2018	13:15	Fine	Middle	4	26.40	26.40	26.40	7.94	7.94	7.94	31.25	31.25	31.25	77.9	78.0	78.1	5.26	5.27	5.28	18.09	18.06	18.07	22	22.50
	13:17		Middle	4	26.40	26.40		7.93	7.93		31.25	31.25		78.1	78.4		5.28	5.30		18.06	18.08		23	
15/10/2018	04:18	Cloudy	Middle	3	25.60	25.60	25.60	8.19	8.19	8.19	31.19	31.19	31.19	73.9	77.4	76.5	5.07	5.30	5.25	1.68	1.31	1.53	5	5.00
	04:19		Middle	3	25.60	25.60		8.19	8.19		31.19	31.19		78.4	76.2		5.38	5.24		1.28	1.83		5	
18/10/2018	04:55	Cloudy	Middle	3	24.20	24.20	24.20	8.26	8.26	8.26	27.13	27.13	27.13	64.4	65.8	64.9	4.63	4.73	4.67	2.36	2.23	2.22	4	4.00
	04:56		Middle	3	24.20	24.20		8.26	8.26		27.13	27.13		65.3	64.1		4.69	4.61		2.10	2.17		4	
20/10/2018	09:30	Fine	Middle	4	25.30	25.30	25.30	7.90	7.90	7.91	30.96	30.96	30.96	78.2	77.9	78.4	5.38	5.36	5.40	5.13	5.10	5.10	4	4.00
	09:32		Middle	4	25.30	25.30		7.92	7.92		30.96	30.96		78.7	78.7		5.43	5.43		5.09	5.09		4	
22/10/2018	10:30	Fine	Middle	3	26.30	26.30	26.40	7.79	7.79	7.80	32.55	32.55	32.55	77.9	78.4	79.1	5.22	5.25	5.30	4.87	4.92	4.87	4	4.00
	10:32		Middle	3	26.50	26.50		7.80	7.80		32.55	32.55		79.9	80.1		5.35	5.36		4.86	4.83		4	
24/10/2018	10:25	Fine	Middle	4	25.80	25.80	25.85	7.84	7.84	7.85	32.82	32.82	33.32	77.7	77.7	77.8	5.25	5.25	5.26	4.24	4.23	4.26	7	7.00
	10:27		Middle	4	25.90	25.90		7.85	7.85		33.82	33.82		77.5	78.1		5.24	5.28		4.27	4.28		7	
26/10/2018	12:45	Fine	Middle	4	27.50	27.50	27.60	7.71	7.71	7.72	32.86	32.86	32.86	83.5	85.0	85.3	5.48	5.58	5.59	4.76	4.70	4.70	5	5.00
	12:47		Middle	4	27.70	27.70		7.72	7.72		32.86	32.86		86.7	86.0		5.68	5.63		4.68	4.67		5	
30/10/2018	02:51	Fine	Middle	3	23.30	23.30	23.30	8.17	8.17	8.17	28.23	28.23	28.23	69.5	71.2	70.1	5.04	5.17	5.09	4.82	4.76	4.76	4	4.00
	02:52		Middle	3	23.30	23.30		8.17	8.17		28.23	28.23		70.0	69.5		5.12	5.04		4.87	4.58		4	



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





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

