



**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				
			m		°C		-		ppt		%		mg/L		NTU		mg/L							
					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	-	-	-		-	-		-	-		-	-		-	-		-	-		-	

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*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.



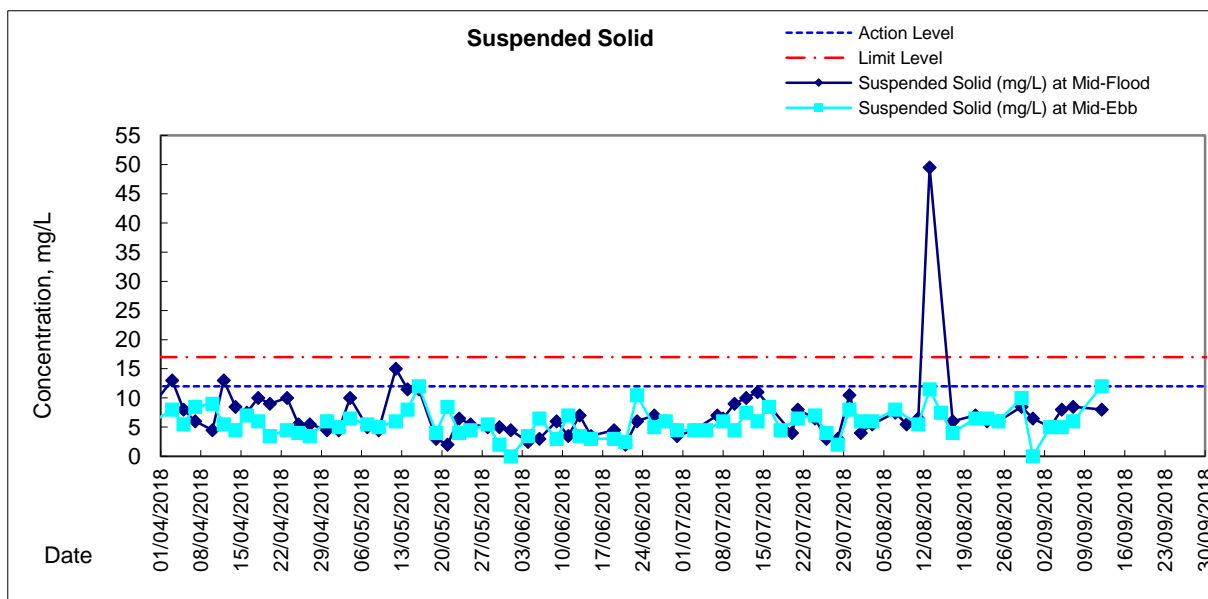
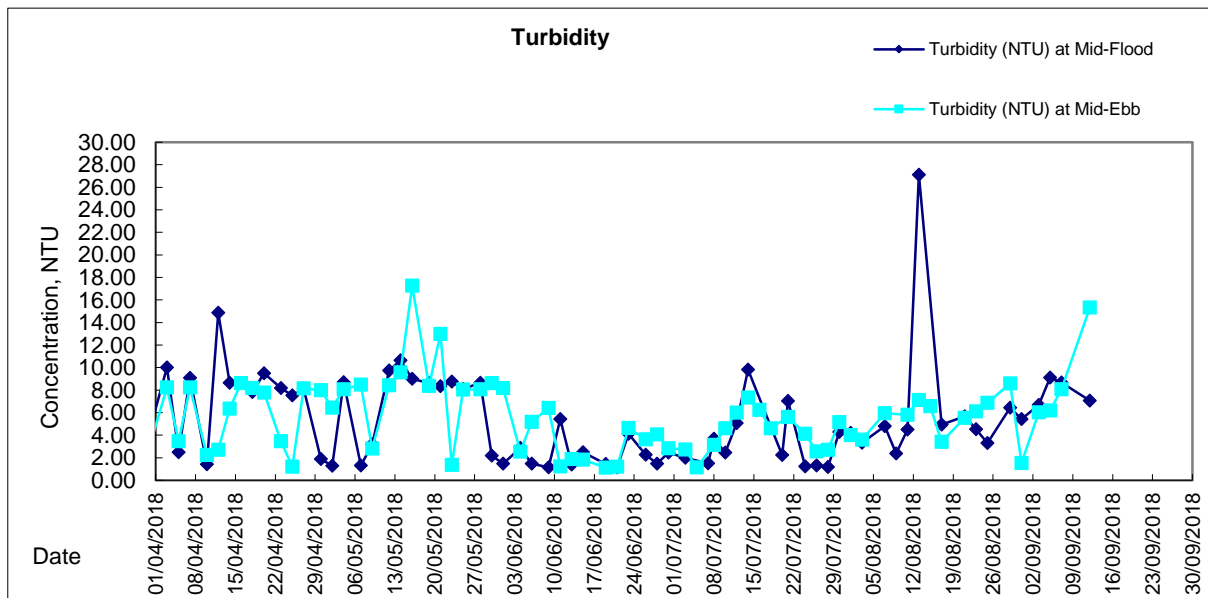
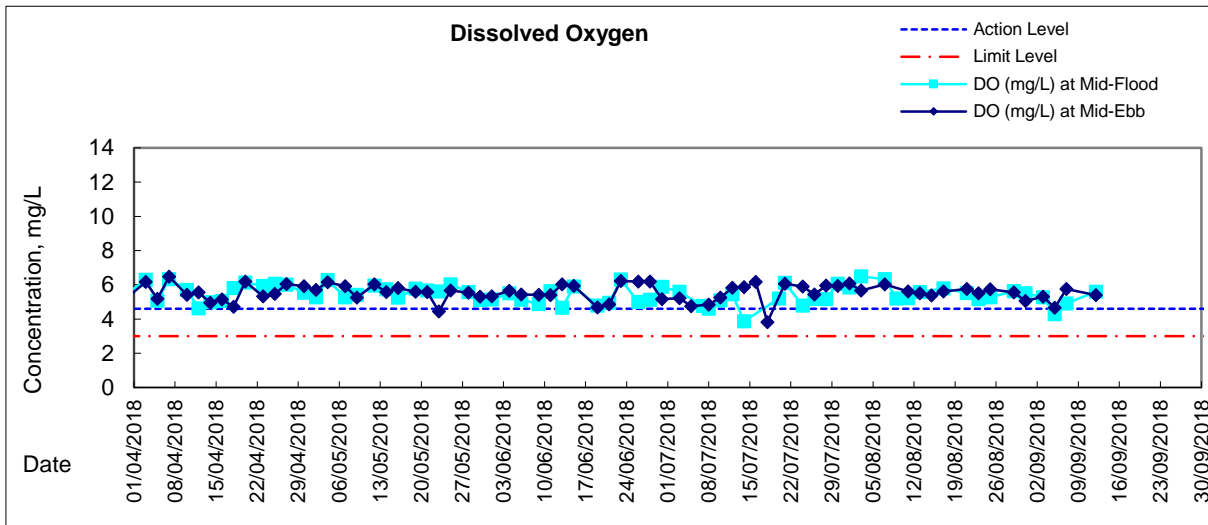
**Water Monitoring Result at Culvert J - Reference Station
Mid-Ebb Tide**

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.



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



Remark:

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.



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

