



**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						
3/7/17	3:55	Cloudy	Middle	3.5	27.40	27.40	27.40	7.82	7.82	7.83	26.07	26.07	26.07	81.2	81.8	81.1	5.55	5.59	5.54	3.88	3.70	3.77	2	2.00
	3:56		Middle	3.5	27.40	27.40	27.40	7.84	7.84	7.83	26.07	26.07	26.07	81.0	80.4	81.1	5.53	5.49	5.54	3.68	3.82	3.77	2	
6/7/17	17:40	Cloudy	Middle	4.0	27.10	27.10	27.15	8.13	8.13	8.14	23.82	23.82	23.84	87.6	87.9	87.6	6.10	6.16	6.11	3.51	3.66	3.68	4	4.00
	17:42		Middle	4.0	27.20	27.20	27.15	8.15	8.15	8.14	23.85	23.85	23.84	87.4	87.6	87.6	6.08	6.09	6.11	3.66	3.88	3.68	4	
8/7/17	20:30	Cloudy	Middle	3.5	27.00	27.00	27.00	7.78	7.78	7.78	25.10	25.10	25.11	72.5	72.9	72.5	4.85	4.88	4.86	1.37	1.44	1.38	3	3.00
	20:31		Middle	3.5	27.00	27.00	27.00	7.78	7.78	7.78	25.11	25.11	25.11	71.3	73.3	72.5	4.77	4.94	4.86	1.36	1.33	1.38	3	
10/7/17	21:10	Cloudy	Middle	3.5	28.20	28.20	28.20	7.79	7.79	7.79	26.40	26.40	26.40	80.8	81.3	80.9	5.36	5.39	5.37	3.02	3.19	3.14	5	7.50
	21:11		Middle	3.5	28.20	28.20	28.20	7.79	7.79	7.79	26.40	26.40	26.40	81.0	80.5	80.9	5.37	5.34	5.37	3.21	3.13	3.14	10	
13/7/17	8:35	Fine	Middle	4.0	27.60	27.60	27.70	8.16	8.16	8.18	25.37	25.37	25.37	89.2	90.0	89.1	6.09	6.14	6.08	1.79	1.86	1.74	4	4.00
	8:37		Middle	4.0	27.80	27.80	27.70	8.19	8.19	8.18	25.37	25.37	25.37	88.5	88.5	89.1	6.03	6.04	6.08	1.66	1.66	1.74	4	
15/7/17	10:00	Fine	Middle	4.0	27.90	27.90	28.00	8.29	8.29	8.32	25.35	25.35	25.35	86.3	86.0	86.4	5.86	5.84	5.86	2.10	2.39	2.41	<2	<2
	10:02		Middle	4.0	28.10	28.10	28.00	8.34	8.34	8.32	25.35	25.35	25.35	86.4	86.7	86.4	5.87	5.88	5.86	2.47	2.69	2.41	<2	
18/7/17	-	Amber Rainstorm Warning Signal	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-		Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20/7/17	15:41	Fine	Middle	4.0	28.00	28.00	28.10	7.99	7.99	8.03	23.57	23.57	23.58	96.3	93.3	95.1	6.60	6.39	6.51	3.12	3.11	3.09	5	5.50
	15:43		Middle	4.0	28.20	28.20	28.10	8.07	8.07	8.03	23.58	23.58	23.58	95.4	95.5	95.1	6.52	6.53	6.51	3.04	3.07	3.09	6	
22/7/17	19:51	Fine	Middle	3.0	28.10	28.10	28.10	7.79	7.79	7.79	25.62	25.62	25.63	77.0	77.3	76.6	5.23	5.24	5.20	4.63	4.50	4.60	5	4.00
	19:52		Middle	3.0	28.10	28.10	28.10	7.78	7.78	7.79	25.64	25.64	25.63	76.0	76.2	76.6	5.15	5.17	5.20	4.55	4.71	4.60	3	
24/7/17	19:05	Cloudy	Middle	3.0	27.70	27.70	27.70	7.73	7.73	7.76	26.31	26.31	26.31	78.1	78.7	78.2	5.31	5.36	5.32	3.89	3.92	3.96	4	4.00
	19:06		Middle	3.0	27.70	27.70	27.70	7.78	7.78	7.76	26.31	26.31	26.31	78.0	77.9	78.2	5.30	5.29	5.32	3.99	4.02	3.96	4	
26/7/17	5:21	Cloudy	Middle	3.0	27.60	27.60	27.60	7.89	7.89	7.89	26.75	26.75	26.75	72.1	72.4	73.1	4.90	4.92	4.97	3.49	3.85	3.81	2	2.00
	5:22		Middle	3.0	27.60	27.60	27.60	7.89	7.89	7.89	26.75	26.75	26.75	73.1	74.6	73.1	4.97	5.07	4.97	3.89	3.99	3.81	2	
28/7/17	10:22	Fine	Middle	3.5	28.60	28.60	28.75	7.91	7.91	7.91	29.58	29.58	26.83	43.8	41.8	42.9	2.83	2.82	<u>2.84</u>	8.58	8.59	8.58	5	5.50
	10:24		Middle	3.5	28.90	28.90	28.75	7.91	7.91	7.91	24.08	24.08	26.83	42.8	43.2	42.9	2.88	2.81	<u>2.84</u>	8.58	8.58	8.58	6	

Remarks:
 Single underline denotes exceedance over Action Level.
 Double underline denotes exceedance over Limit Level.
 The water quality monitoring events on 18 July 2017 during both flood and ebb tide were cancelled due to the hoisting of Amber Rainstorm Warning Signal.



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

Date	Time	Weather Condition	Sampling Depth	m	Water Temperature		Average	pH		Average	Salinity		Average	DO Saturation		Average	DO		Average	Turbidity		Average	Suspended Solids		Average
					°C			-			ppt			%			mg/L			NTU			mg/L		
					Value	Value		Value	Value		Value	Value		Value	Value		Value	Value		Value	Value		Value	Value	
3/7/17	4:08	Cloudy	Middle	3.0	27.40	27.40	27.40	7.92	7.92	7.91	23.43	23.43	23.43	74.4	75.7	74.8	5.17	5.23	5.19	4.90	4.99	5.05	7	6.00	
	4:09		Middle	3.0	27.40	27.40		7.90	7.90		23.43	23.43		75.2	73.9		5.22	5.14		5.11	5.20		5		
6/7/17	17:35	Cloudy	Middle	3.5	27.30	27.30	27.30	8.07	8.07	8.09	23.81	23.81	23.81	84.3	84.1	83.7	5.84	5.83	5.80	3.72	3.60	3.58	5	4.50	
	17:37		Middle	3.5	27.30	27.30		8.11	8.11		23.81	23.81		83.9	82.6		5.82	5.71		3.51	3.50		4		
8/7/17	20:39	Cloudy	Middle	3.0	27.00	27.00	27.00	7.75	7.75	7.71	23.89	23.89	23.89	71.2	72.8	72.2	4.80	4.88	4.85	1.83	1.56	1.55	4	4.00	
	20:40		Middle	3.0	27.00	27.00		7.67	7.67		23.89	23.89		72.4	72.2		4.84	4.87		1.39	1.40		4		
10/7/17	21:17	Cloudy	Middle	3.0	28.20	28.20	28.20	7.81	7.81	7.77	24.70	24.70	24.65	70.6	70.0	70.2	4.72	4.69	4.70	4.08	4.00	3.97	6	6.00	
	21:18		Middle	3.0	28.20	28.20		7.73	7.73		24.59	24.59		70.1	70.2		4.68	4.70		3.93	3.88		6		
13/7/17	8:30	Fine	Middle	3.5	27.80	27.80	28.05	8.11	8.11	8.12	25.90	25.90	25.90	89.7	89.0	88.6	6.07	6.02	5.99	2.13	2.17	2.23	3	3.00	
	8:32		Middle	3.5	28.30	28.30		8.12	8.12		25.89	25.89		88.1	87.4		5.98	5.90		2.31	2.29		3		
15/7/17	9:55	Fine	Middle	4.0	28.30	28.30	25.90	8.26	8.26	8.28	22.86	22.86	22.86	81.9	81.6	82.8	5.60	5.58	5.66	4.09	4.09	4.07	<2	<2	
	9:57		Middle	4.0	23.50	23.50		8.29	8.29		22.86	22.86		83.7	83.9		5.72	5.73		4.06	4.03		<2		
18/7/17	-	Amber Rainstorm Warning Signal	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-		-
20/7/17	15:35	Fine	Middle	4.0	28.00	28.00	28.05	7.68	7.69	7.70	21.88	21.88	21.89	97.1	97.2	97.2	6.72	6.72	6.72	1.93	1.92	1.97	6	5.00	
	15:37		Middle	4.0	28.10	28.10		7.72	7.72		21.89	21.89		97.4	97.1		6.73	6.71		2.01	2.03		4		
22/7/17	19:57	Fine	Middle	2.5	28.10	28.10	28.10	7.89	7.89	7.85	21.43	21.43	21.43	60.9	62.1	61.8	4.22	4.31	4.29	4.49	4.42	4.49	5	4.50	
	19:58		Middle	2.5	28.10	28.10		7.81	7.81		21.43	21.43		61.7	62.5		4.28	4.34		4.55	4.50		4		
24/7/17	19:12	Cloudy	Middle	2.5	27.60	27.60	27.60	7.80	7.80	7.80	20.93	20.93	20.93	64.3	68.8	66.8	4.51	4.83	4.69	7.49	7.59	7.60	6	6.00	
	19:13		Middle	2.5	27.60	27.60		7.80	7.80		20.93	20.93		68.6	65.4		4.81	4.59		7.65	7.67		6		
26/7/17	5:24	Cloudy	Middle	2.5	27.50	27.50	27.50	7.96	7.96	7.94	20.95	20.95	20.94	67.0	67.2	66.8	4.71	4.73	4.70	3.35	3.10	3.15	2	2.00	
	5:25		Middle	2.5	27.50	27.50		7.92	7.92		20.92	20.92		66.1	67.0		4.65	4.71		3.08	3.06		<2		
28/7/17	10:28	Fine	Middle	3.5	28.20	28.20	28.40	8.05	8.05	8.05	27.85	27.85	27.85	62.7	62.5	62.3	4.18	4.16	4.15	8.61	8.60	8.60	4	4.50	
	10:30		Middle	3.5	28.60	28.60		8.05	8.05		27.85	27.85		61.9	62.1		4.11	4.13		8.60	8.60		5		

Remarks:
The water quality monitoring events on 18 July 2017 during both flood and ebb tide were cancelled due to the hoisting of Amber Rainstorm Warning Signal.



**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	Value	Average		
3/7/17	10:30	Cloudy	Middle	3.5	28.60	28.60	28.65	8.12	8.12	8.13	24.08	24.08	24.08	87.4	87.7	87.4	5.92	5.94	5.92	3.17	3.17	3.11	3	4.00
	10:32		Middle	3.5	28.70	28.70		8.14	8.14		24.08	24.08		87.3	87.1		5.91	5.90		3.05	3.03		5	
6/7/17	12:05	Cloudy	Middle	3.5	27.60	27.60	27.60	8.20	8.20	8.21	22.06	22.06	22.07	88.6	89.3	89.0	6.19	6.22	6.21	4.11	4.21	4.27	3	2.50
	12:07		Middle	3.5	27.60	27.60		8.22	8.22		22.07	22.07		88.9	89.3		6.20	6.22		4.40	4.34		2	
8/7/17	12:30	Cloudy	Middle	3.5	27.50	27.50	20.63	8.07	8.07	8.09	23.17	23.17	23.18	86.6	86.7	86.7	6.01	6.02	6.02	5.94	5.91	5.96	5	4.50
	12:32		Middle	3.5	27.00	0.50		8.11	8.11		23.18	23.18		86.4	86.9		6.00	6.03		5.99	5.99		4	
10/7/17	14:20	Fine	Middle	4.0	28.40	28.40	28.50	8.19	8.19	8.21	25.80	25.80	25.80	90.1	90.2	89.8	6.06	6.07	6.04	6.59	6.51	6.48	8	8.00
	14:22		Middle	4.0	28.60	28.60		8.23	8.23		25.79	25.79		89.5	89.4		6.01	6.00		6.38	6.43		8	
13/7/17	14:35	Fine	Middle	4.0	29.40	29.40	29.45	8.37	8.37	8.38	25.25	25.25	25.25	92.2	93.2	92.4	6.13	6.19	6.14	2.36	2.41	2.44	5	5.00
	14:37		Middle	4.0	29.50	29.50		8.38	8.38		25.25	25.25		92.6	91.6		6.14	6.08		2.46	2.51		5	
15/7/17	14:30	Cloudy	Middle	3.5	27.90	27.90	27.95	8.34	8.34	8.35	25.85	25.85	25.85	91.3	90.7	91.0	6.20	6.16	6.18	1.50	1.65	1.63	3	3.00
	14:32		Middle	3.5	28.00	28.00		8.35	8.35		25.85	25.85		90.9	90.9		6.17	6.17		1.73	1.63		3	
18/7/17	-	Amber Rainstorm Warning Signal	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
20/7/17	9:45	Fine	Middle	3.5	28.00	28.00	28.05	7.88	7.88	7.90	23.43	23.43	23.44	84.4	84.7	84.3	5.79	5.82	5.80	0.63	0.57	0.67	3	3.00
	9:47		Middle	3.5	28.10	28.10		7.92	7.92		23.44	23.44		82.7	85.4		5.74	5.85		0.76	0.71		3	
22/7/17	11:33	Fine	Middle	3.5	28.20	28.20	28.40	8.18	8.18	8.18	25.04	25.04	25.04	70.5	70.2	70.1	4.77	4.75	4.74	0.66	0.66	0.69	7	6.00
	11:35		Middle	3.5	28.60	28.60		8.18	8.18		25.03	25.03		69.9	69.7		4.72	4.70		0.71	0.72		5	
24/7/17	14:40	Cloudy	Middle	3.5	28.10	28.10	28.15	8.08	8.08	8.09	25.84	25.84	25.84	94.2	94.4	94.3	6.37	6.38	6.37	1.38	1.34	1.34	7	7.00
	14:42		Middle	3.5	28.20	28.20		8.10	8.10		25.83	25.83		94.4	94.1		6.38	6.36		1.32	1.30		7	
26/7/17	14:10	Fine	Middle	4.0	29.40	29.40	29.60	7.97	7.97	7.99	26.53	26.53	26.53	93.1	94.1	93.6	6.12	6.18	6.15	2.60	2.59	2.59	4	5.00
	14:12		Middle	4.0	29.80	29.80		8.01	8.01		26.53	26.52		93.4	93.7		6.13	6.15		2.59	2.59		6	
28/7/17	15:16	Fine	Middle	3.0	28.40	28.40	29.15	8.04	8.04	8.04	27.35	27.35	27.33	66.8	66.3	66.0	4.37	4.34	4.32	5.64	5.66	5.65	2	2.00
	15:18		Middle	3.0	29.90	29.90		8.04	8.04		27.31	27.31		65.9	65.1		4.31	4.26		5.65	5.64		2	

Remarks:
 Single underline denotes exceedance over Action Level.
 Double underline denotes exceedance over Limit Level.
 The water quality monitoring events on 18 July 2017 during both flood and ebb tide were cancelled due to the hoisting of Amber Rainstorm Warning Signal.



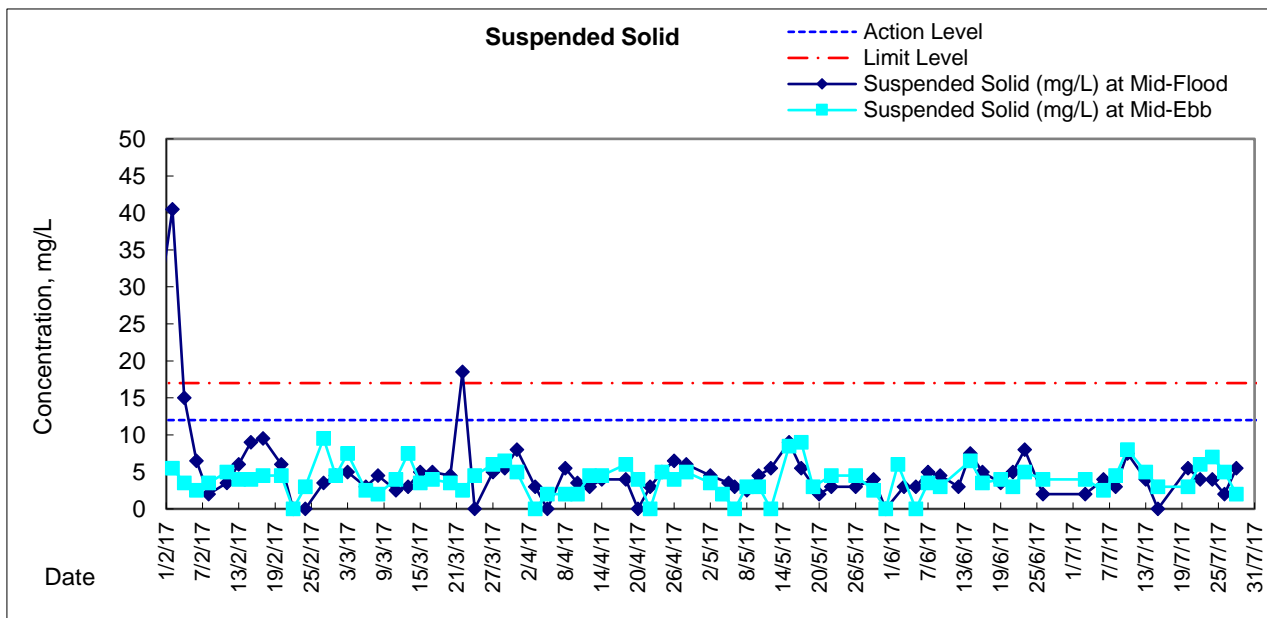
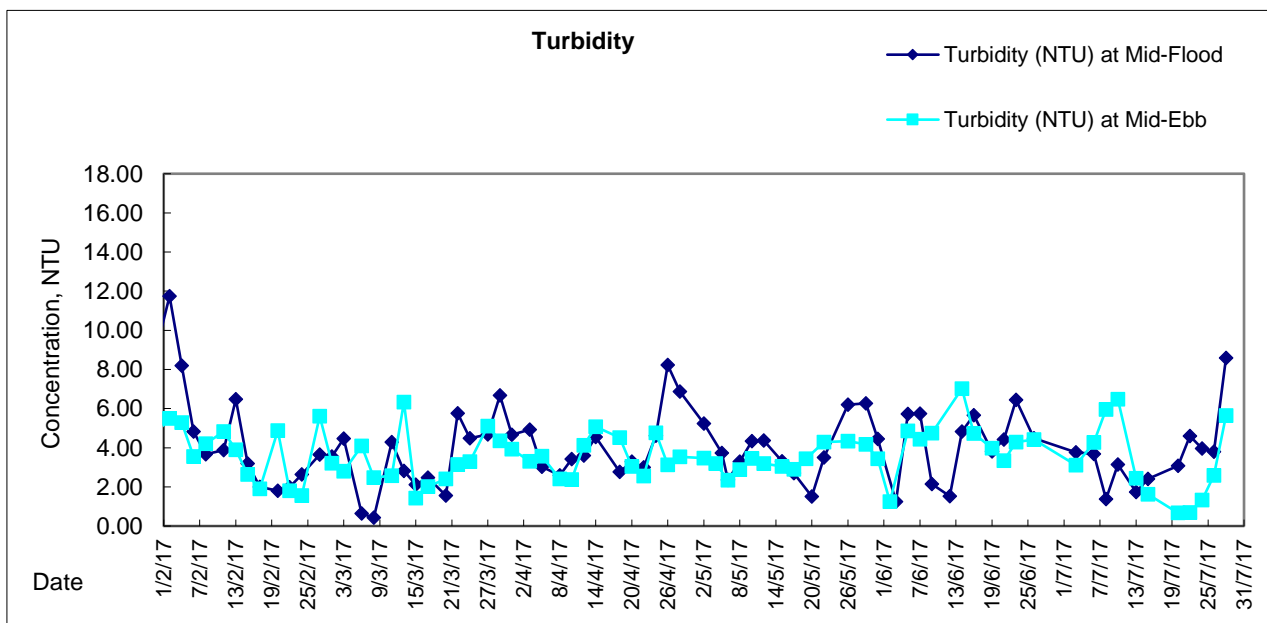
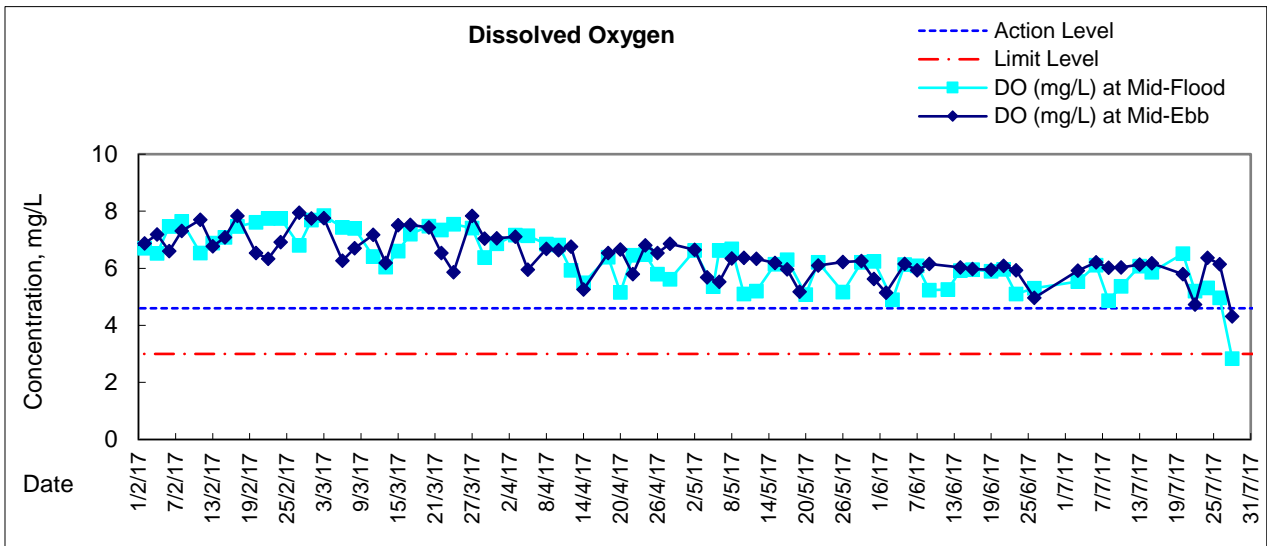
**Water Monitoring Result at Culvert J - Reference Station
Mid-Ebb Tide**

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	Value	Average				
3/7/17	10:25	Cloudy	Middle	4	28.70	28.70	28.75	8.08	8.08	8.10	24.00	24.00	24.00	86.0	86.0	86.0	5.81	5.82	5.81	3.58	3.58	3.60	4	4.00
	10:27		Middle	4	28.80	28.80		8.11	8.11		24.00	24.00		86.1	85.9		5.82	5.80		3.59	3.63		4	
6/7/17	12:00	Cloudy	Middle	4	27.70	27.00	27.58	8.09	8.09	8.14	22.10	22.10	22.10	91.0	90.8	90.3	6.32	6.31	6.28	3.73	3.81	3.88	4	3.50
	12:02		Middle	4	27.80	27.80		8.18	8.18		22.10	22.10		89.7	89.8		6.23	6.24		3.99	3.97		3	
8/7/17	12:25	Cloudy	Middle	4	27.30	27.30	27.30	8.09	8.09	8.09	21.93	21.93	21.93	80.3	80.5	80.2	5.63	5.64	5.63	7.78	7.75	7.81	5	5.50
	12:27		Middle	4	27.30	27.30		8.08	8.08		21.92	21.92		80.1	80.0		5.62	5.62		7.77	7.95		6	
10/7/17	14:15	Fine	Middle	4	28.90	28.90	29.05	8.09	8.09	8.13	25.87	25.87	26.12	94.7	95.4	94.6	6.30	6.35	6.29	5.89	5.93	5.92	5	5.50
	14:17		Middle	4	29.20	29.20		8.16	8.16		25.87	26.87		93.9	94.4		6.24	6.27		5.92	5.92		6	
13/7/17	14:30	Fine	Middle	4	29.60	29.60	29.85	8.26	8.26	8.30	25.25	25.48	25.42	88.1	87.3	88.5	5.84	5.75	5.83	2.44	2.44	2.43	5	4.50
	14:32		Middle	4	30.10	30.10		8.33	8.33		25.48	25.48		90.6	88.1		5.94	5.77		2.42	2.42		4	
15/7/17	14:25	Cloudy	Middle	4	28.00	28.00	28.00	8.33	8.33	8.34	22.88	22.88	22.88	92.7	92.4	92.0	6.39	6.37	6.34	5.47	5.44	5.44	4	4.00
	14:27		Middle	4	28.00	28.00		8.35	8.35		22.88	22.88		91.7	91.0		6.32	6.27		5.42	5.42		4	
18/7/17	-	Amber Rainstorm Warning Signal	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
20/7/17	9:40	Fine	Middle	4	28.00	28.00	28.05	7.78	7.79	7.81	21.04	21.04	21.03	77.7	78.3	78.0	5.40	5.45	5.42	2.46	2.45	2.63	4	4.00
	9:42		Middle	4	28.10	28.10		7.84	7.84		21.01	21.01		78.3	77.6		5.43	5.38		2.80	2.79		4	
22/7/17	11:00	Fine	Middle	4	28.50	28.50	28.80	8.18	8.18	8.18	12.01	12.01	12.00	7.2	73.6	55.3	5.22	5.24	5.15	1.31	1.25	1.26	4	4.00
	11:02		Middle	4	29.10	29.10		8.18	8.18		11.99	11.99		69.6	70.9		5.02	5.11		1.24	1.24		4	
24/7/17	14:35	Cloudy	Middle	4	28.50	28.50	28.50	8.10	8.10	8.10	23.30	23.30	23.30	87.0	87.6	87.0	5.92	5.97	5.93	3.56	3.60	3.67	7	7.00
	14:37		Middle	4	28.60	28.40		8.10	8.10		23.30	23.30		87.3	86.1		5.95	5.86		3.74	3.78		7	
26/7/17	14:05	Fine	Middle	4	30.20	30.20	30.30	7.98	7.98	7.99	23.62	23.62	23.77	84.3	84.5	84.3	5.55	5.56	5.55	3.76	3.83	3.87	6	5.50
	14:07		Middle	4	30.40	30.40		7.99	7.99		23.92	23.92		84.1	84.2		5.54	5.55		3.90	3.97		5	
28/7/17	15:10	Fine	Middle	3	29.40	29.40	29.75	8.00	8.00	26.00	26.44	26.44	26.43	54.3	53.1	53.4	3.57	3.49	3.51	8.24	8.25	8.26	3	3.00
	15:12		Middle	3	30.10	30.10		8.00	8.00		26.41	26.41		53.9	52.2		3.54	3.42		8.26	8.27		3	

Remarks:
The water quality monitoring events on 18 July 2017 during both flood and ebb tide were cancelled due to the hoisting of Amber Rainstorm Warning Signal.



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





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

