



**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						
2/9/17	16:25	Cloudy	Middle	4.0	27.70	27.70	27.75	8.03	8.03	8.03	30.12	30.12	30.12	80.2	80.0	79.7	5.32	5.31	5.29	2.73	2.72	2.72	7	8.00
	16:27		Middle	4.0	27.80	27.80		8.03	8.03		30.12	30.12		78.9	79.7		5.24	5.29		2.71	2.72		9	
4/9/17	20:20	Cloudy	Middle	3.5	26.70	26.70	26.70	7.76	7.76	7.76	29.88	29.88	29.88	83.2	83.0	82.8	5.63	5.60	5.60	6.76	6.74	6.75	7	6.50
	20:21		Middle	3.5	26.70	26.70		7.76	7.76		29.88	29.88		82.5	82.3		5.58	5.57		6.72	6.77		6	
6/9/17	20:10	Cloudy	Middle	3.5	28.70	28.70	28.70	7.60	7.60	7.61	29.67	29.67	29.68	78.8	79.5	79.3	5.17	5.22	5.20	5.01	5.32	5.18	5	5.50
	20:11		Middle	3.5	28.70	28.70		7.62	7.62		29.69	29.67		79.6	79.2		5.22	5.20		5.20	5.18		6	
9/9/17	9:20	Fine	Middle	4.0	28.10	28.10	28.10	7.98	7.98	7.99	29.07	29.07	29.08	75.6	76.1	75.7	5.03	5.05	5.03	7.76	7.41	7.56	6	6.50
	9:22		Middle	4.0	28.10	28.10		7.99	7.99		29.08	29.08		75.4	75.5		5.01	5.02		7.51	7.55		7	
11/9/17	11:05	Fine	Middle	4.0	28.50	28.50	28.55	7.99	7.99	8.00	28.60	28.60	28.60	68.8	69.7	69.2	4.55	4.61	<u>4.58</u>	9.97	10.00	9.96	11	11.00
	11:07		Middle	4.0	28.60	28.60		8.00	8.00		28.60	28.60		69.6	68.7		4.60	4.55		9.96	9.91		11	
13/9/17	13:45	Fine	Middle	3.5	29.70	29.70	29.75	7.31	7.31	7.37	29.56	29.56	29.56	68.6	68.2	67.4	4.43	4.40	<u>4.35</u>	4.67	4.00	4.14	6	6.50
	13:47		Middle	3.5	29.80	29.80		7.43	7.43		29.56	29.56		67.1	65.5		4.33	4.22		3.99	3.90		7	
15/9/17	15:24	Fine	Middle	3.5	29.30	29.30	29.40	8.16	8.16	8.16	28.87	28.87	28.87	78.7	79.2	79.5	5.13	5.16	5.18	6.43	6.39	6.48	10	9.50
	15:26		Middle	3.5	29.50	29.50		8.16	8.16		28.86	28.86		79.4	80.8		5.17	5.26		6.55	6.55		9	
18/9/17	16:16	Fine	Middle	3.5	29.10	29.10	29.15	8.19	8.19	8.19	28.87	28.87	28.86	58.8	58.0	57.6	3.80	3.85	<u>3.77</u>	6.04	6.04	6.04	4	5.00
	16:18		Middle	3.5	29.20	29.20		8.19	8.19		28.85	28.85		57.5	56.1		3.76	3.67		6.04	6.03		6	
20/9/17	19:55	Cloudy	Middle	3.5	28.20	28.20	28.20	7.85	7.85	7.88	29.87	29.87	29.87	89.1	87.2	87.7	5.88	5.75	5.79	9.75	9.66	9.64	12	<u>12.50</u>
	19:56		Middle	3.5	28.20	28.20		7.90	7.90		29.87	29.87		87.4	87.0		5.77	5.74		9.64	9.49		13	
23/9/17	-	Amber Rainstorm Warning Signal	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
25/9/17	11:11	Fine	Middle	3.5	29.60	29.60	29.65	8.12	8.12	8.12	29.74	29.74	29.74	52.9	55.2	53.7	3.74	3.56	<u>3.55</u>	16.15	16.20	16.22	19	<u>18.00</u>
	11:13		Middle	3.5	29.70	29.70		8.12	8.12		29.73	29.73		53.7	52.8		3.47	3.41		16.22	16.30		17	
28/9/17	17:35	Fine	Middle	3.5	30.30	30.30	30.35	8.10	8.10	8.10	28.60	28.60	28.60	75.3	76.3	75.8	4.84	4.90	4.87	3.48	3.26	3.34	4	4.00
	17:37		Middle	3.5	30.40	30.40		8.10	8.10		28.60	28.60		75.4	76.0		4.84	4.88		3.26	3.35		4	
30/9/17	16:05	Cloudy	Middle	3.5	29.70	29.70	29.70	7.80	7.80	7.81	29.28	29.28	29.28	98.0	97.8	97.5	6.34	6.32	6.30	4.85	4.84	4.85	4	4.50
	16:07		Middle	3.5	29.70	29.70		7.82	7.82		29.28	29.28		97.5	96.7		6.30	6.25		4.87	4.85		5	

Remarks:  
 Single underline denotes exceedance over Action Level.  
 Double underline denotes exceedance over Limit Level.  
 The water quality monitoring on 23 September 2017 during flood tide was 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 °C			pH			Salinity ppt			DO Saturation %		DO mg/L		Turbidity NTU			Suspended Solids mg/L				
				Value	Average		Value	Average		Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average		
2/9/17	16:20	Cloudy	Middle	3.5	28.30	28.30	28.40	8.00	8.00	8.00	29.84	29.84	29.83	76.6	77.2	76.8	5.04	5.88	5.25	3.08	3.93	3.27	5	5.00
	16:22		Middle	3.5	28.50	28.50		8.00	8.00		29.82	29.82		76.7	76.7		5.04	5.04		3.02	3.05		5	
4/9/17	20:30	Cloudy	Middle	3.0	26.60	26.60	26.60	7.82	7.82	7.81	27.51	27.51	27.51	76.4	77.3	76.7	5.25	5.31	5.27	7.82	7.79	7.81	5	6.00
	20:31		Middle	3.0	26.60	26.60		7.80	7.80		27.51	27.51		76.5	76.4		5.25	5.25		7.77	7.84		7	
6/9/17	20:20	Cloudy	Middle	3.0	28.70	28.70	28.70	7.65	7.65	7.65	27.06	27.06	27.06	76.8	77.6	77.1	5.11	5.16	5.13	4.17	4.13	4.13	6	6.00
	20:21		Middle	3.0	28.70	28.70		7.64	7.65		27.06	27.06		77.0	76.9		5.12	5.11		4.11	4.09		6	
9/9/17	9:15	Fine	Middle	4.0	28.40	28.40	28.45	7.89	7.89	7.89	26.07	26.07	26.07	70.1	70.9	70.7	4.71	4.76	4.75	9.92	9.92	9.92	8	9.00
	9:17		Middle	4.0	28.50	28.50		7.88	7.88		26.07	26.07		70.7	70.9		4.75	4.76		9.92	9.91		10	
11/9/17	11:00	Fine	Middle	3.5	28.80	28.80	28.90	7.90	7.90	7.89	24.99	24.99	24.99	58.6	58.4	58.1	3.93	3.91	3.89	11.09	11.06	11.04	10	10.00
	11:02		Middle	3.5	29.00	29.00		7.88	7.88		24.98	24.98		57.8	57.5		3.86	3.85		11.00	10.99		10	
13/9/17	13:40	Fine	Middle	3.5	29.60	29.60	29.70	6.88	6.88	6.88	29.13	29.13	29.16	65.6	66.1	65.1	4.25	4.28	4.22	5.59	5.63	5.63	8	8.50
	13:42		Middle	3.5	29.80	29.80		6.88	6.88		29.19	29.19		64.6	64.1		4.18	4.15		5.65	5.65		9	
15/9/17	15:20	Fine	Middle	3.5	29.90	29.90	30.05	8.15	8.15	8.15	28.92	28.92	28.89	78.6	76.7	77.9	5.07	4.94	5.01	6.23	6.74	6.61	8	9.00
	15:22		Middle	3.5	30.20	30.20		8.15	8.15		28.85	28.85		77.9	78.2		5.02	5.02		6.74	6.74		10	
18/9/17	16:12	Fine	Middle	3.5	27.60	27.60	28.65	8.17	8.17	8.18	29.19	29.19	29.07	63.6	62.9	63.0	4.13	4.09	4.09	6.59	6.74	6.54	4	3.50
	16:14		Middle	3.5	29.70	29.70		8.18	8.18		28.94	28.94		63.1	62.3		4.10	4.04		6.41	6.41		3	
20/9/17	20:00	Cloudy	Middle	3.0	28.30	28.30	28.35	7.62	7.62	7.64	27.21	27.21	27.21	72.2	73.9	73.6	4.83	4.94	4.92	7.94	7.90	7.91	10	10.00
	20:01		Middle	3.0	28.40	28.40		7.65	7.65		27.21	27.21		73.3	74.8		4.90	5.00		7.91	7.89		10	
23/9/17	-	Amber Rainstorm Warning Signal	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
25/9/17	11:07	Fine	Middle	3.5	29.90	29.90	29.95	8.13	8.13	8.13	29.48	29.48	29.46	53.2	52.0	51.3	3.42	3.35	3.30	18.66	18.64	18.58	19	19.00
	11:09		Middle	3.5	30.00	30.00		8.12	8.12		29.43	29.43		50.5	49.4		3.25	3.18		18.64	18.37		19	
28/9/17	17:30	Fine	Middle	3.5	30.60	30.60	30.60	8.06	8.06	8.06	28.12	28.12	28.12	70.8	70.8	69.1	4.57	4.57	4.44	3.81	3.73	3.85	6	5.50
	17:32		Middle	3.5	30.60	30.60		8.05	8.05		28.11	28.11		67.2	67.5		4.30	4.32		3.92	3.95		5	
30/9/17	16:00	Cloudy	Middle	3.5	29.80	29.80	29.85	7.72	7.72	7.75	29.09	29.09	29.09	94.2	94.5	94.4	6.09	6.10	6.10	4.83	4.88	4.81	4	3.50
	16:02		Middle	3.5	29.90	29.90		7.78	7.78		29.09	29.09		94.3	94.5		6.09	6.10		4.77	4.76		3	

Remarks:  
The water quality monitoring on 23 September 2017 during flood tide was 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				
2/9/17	11:05	Cloudy	Middle	4.0	27.70	27.70	27.75	7.98	7.98	7.99	29.61	29.61	29.61	79.3	79.0	79.1	5.29	5.27	5.28	2.73	2.70	2.65	6	5.00
	11:07		Middle	4.0	27.80	27.80		8.00	8.00		29.60	29.60		79.1	79.1		5.27	5.27		2.59	2.59		4	
4/9/17	-	Strong Wind Warning Signal No. 3	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
6/9/17	13:35	Fine	Middle	4.0	28.40	28.40	28.50	7.98	7.98	7.99	27.73	27.73	28.23	74.9	74.9	74.9	4.96	4.96	4.96	6.74	6.76	6.67	9	9.50
	13:37		Middle	4.0	28.60	28.60		7.99	7.99		28.72	28.72		74.8	74.8		4.95	4.95		6.59	6.59		10	
9/9/17	13:55	Fine	Middle	3.5	28.50	28.50	28.65	7.99	7.99	8.00	28.70	28.70	28.70	77.1	76.7	77.2	5.09	5.07	5.10	5.43	5.42	5.37	7	6.00
	13:57		Middle	3.5	28.80	28.80		8.00	8.00		28.69	28.69		77.4	77.6		5.11	5.12		5.31	5.30		5	
11/9/17	16:25	Fine	Middle	3.5	29.30	29.30	29.35	8.01	8.01	8.01	28.35	28.35	28.35	76.5	75.9	76.1	5.00	4.96	4.98	5.73	5.68	5.64	4	4.50
	16:27		Middle	3.5	29.40	29.40		8.01	8.01		28.34	28.34		75.6	76.5		4.94	5.00		5.56	5.57		5	
13/9/17	5:53	Fine	Middle	3.5	27.90	27.90	27.85	7.92	7.92	7.92	28.65	28.65	28.65	81.3	82.0	81.1	4.75	4.80	4.75	1.08	1.12	1.08	<2	<2
	5:54		Middle	3.5	27.80	27.80		7.92	7.92		28.65	28.65		80.5	80.6		4.71	4.72		1.06	1.04		<2	
15/9/17	8:36	Fine	Middle	3.5	28.30	28.30	28.30	8.05	8.05	8.09	28.12	28.12	28.17	66.3	65.2	64.6	4.42	4.36	<u>4.30</u>	5.22	5.25	5.29	6	7.00
	8:38		Middle	3.5	28.30	28.30		8.13	8.13		28.21	28.21		64.9	62.1		4.29	4.14		5.40	5.29		8	
18/9/17	10:38	Fine	Middle	3.5	30.00	30.00	30.10	8.17	8.17	8.17	29.15	29.15	29.15	55.6	59.3	58.6	3.57	3.81	<u>3.77</u>	10.05	10.56	10.78	4	3.50
	10:40		Middle	3.5	30.20	30.20		8.17	8.17		29.15	29.15		60.0	59.4		3.87	3.82		11.24	11.27		3	
20/9/17	14:26	Fine	Middle	3.5	29.90	29.90	29.90	8.14	8.14	8.14	29.16	29.16	29.16	49.2	48.5	48.3	3.17	3.13	<u>3.12</u>	10.22	10.18	10.14	16	<u>16.50</u>
	14:28		Middle	3.5	29.90	29.90		8.14	8.14		29.15	29.15		48.1	47.5		3.10	3.06		10.10	10.07		17	
23/9/17	13:45	Fine	Middle	4.0	29.40	29.40	29.45	8.11	8.11	8.11	28.93	28.93	28.93	70.2	69.8	70.0	4.57	4.54	<u>4.55</u>	10.32	10.37	10.45	8	7.50
	13:47		Middle	4.0	29.50	29.50		8.11	8.11		28.93	28.93		70.2	69.7		4.57	4.53		10.58	10.54		7	
25/9/17	15:22	Fine	Middle	3.5	30.00	30.00	30.05	8.20	8.20	8.21	29.74	29.74	29.73	54.1	54.6	53.5	3.47	3.50	<u>3.43</u>	10.26	10.26	10.19	14	<u>13.50</u>
	15:24		Middle	3.5	30.10	30.10		8.21	8.21		29.72	29.72		53.3	52.0		3.42	3.33		10.13	10.12		13	
28/9/17	6:07	Fine	Middle	3.5	28.40	28.40	28.40	8.01	8.01	8.01	28.68	28.68	28.68	79.1	79.4	79.3	4.99	5.02	5.01	1.89	1.91	1.91	3	3.00
	6:08		Middle	3.5	28.40	28.40		8.01	8.01		28.68	28.68		79.0	79.6		4.99	5.03		1.87	1.95		3	
30/9/17	11:04	Cloudy	Middle	3.5	29.00	29.00	28.85	7.65	7.65	7.68	29.10	29.10	29.10	95.7	95.7	95.4	6.29	6.27	6.27	3.98	3.97	3.94	2	3.00
	11:07		Middle	3.5	28.70	28.70		7.71	7.71		29.10	29.10		95.0	95.3		6.25	6.27		3.91	3.91		4	

Remarks:  
 Single underline denotes exceedance over Action Level.  
 Double underline denotes exceedance over Limit Level.  
 The water quality monitoring on 4 September 2017 during ebb tide was cancelled due to the hoisting of Strong Wind Warning Signal No. 3



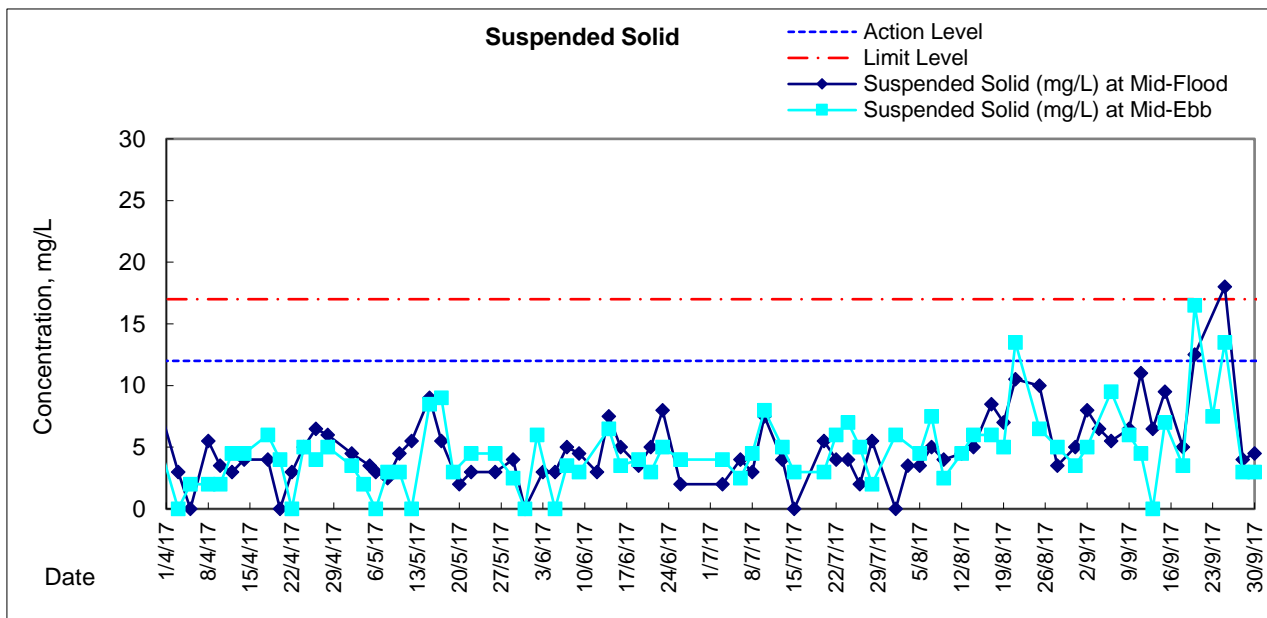
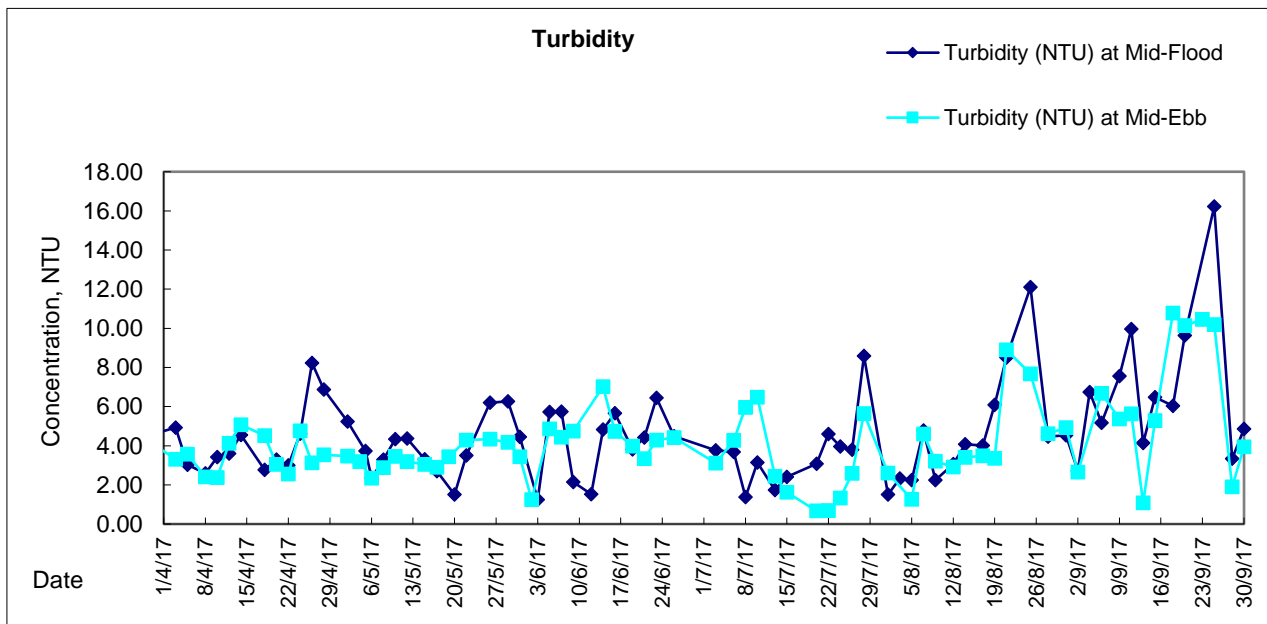
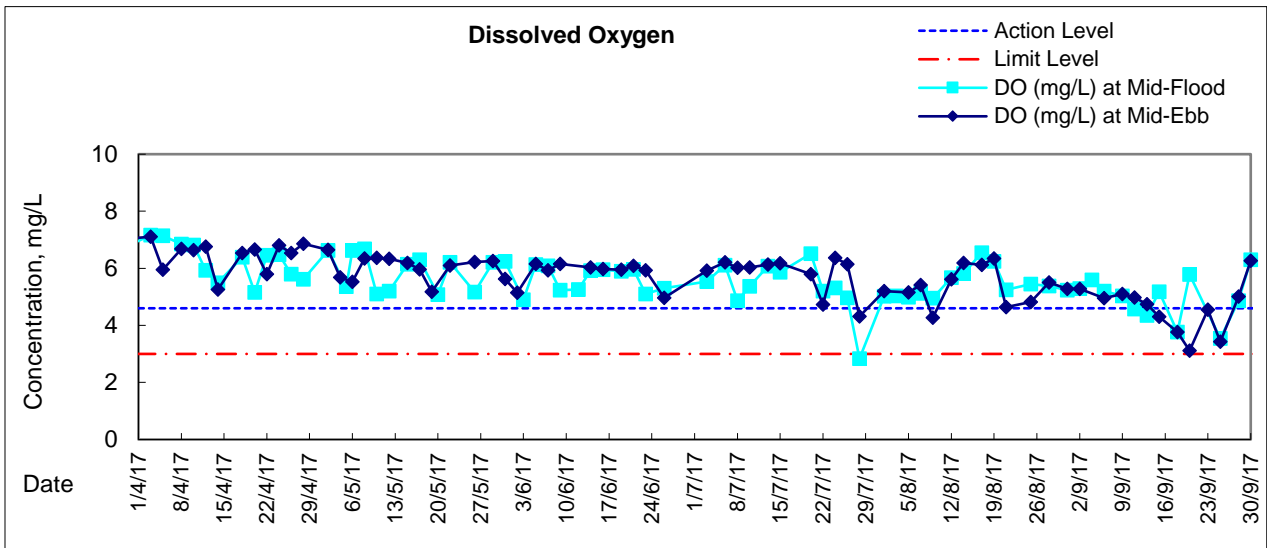
**Water Monitoring Result at Culvert J - Reference Station  
Mid-Ebb Tide**

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	Value	Average				
2/9/17	11:00	Cloudy	Middle	4	28.10	28.10	28.20	7.93	7.93	7.93	28.30	28.30	28.30	67.2	67.4	67.0	4.48	4.49	4.46	3.47	3.50	3.61	7	6.50
	11:02		Middle	4	28.30	28.30		7.93	7.93		28.29	28.29		66.4	66.9		4.42	4.45		3.72	3.74		6	
4/9/17	-	Strong Wind Warning Signal No. 3	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
6/9/17	13:30	Fine	Middle	4	29.10	29.10	29.25	7.83	7.83	7.83	25.53	25.53	25.53	59.0	58.2	58.4	3.92	3.87	3.88	9.92	9.91	9.91	7	7.50
	13:32		Middle	4	29.40	29.40		7.82	7.82		25.52	25.52		58.1	58.3		3.86	3.87		9.91	9.91		8	
9/9/17	13:50	Fine	Middle	4	28.80	28.80	28.90	7.88	7.88	7.88	26.36	26.36	26.36	64.9	64.8	64.9	4.32	4.31	4.31	10.08	10.05	9.97	6	6.00
	13:52		Middle	4	29.00	29.00		7.88	7.88		26.36	26.36		64.9	64.8		4.31	4.31		9.86	9.89		6	
11/9/17	16:20	Fine	Middle	4	29.50	29.50	29.55	7.98	7.98	7.99	28.29	28.29	28.30	61.7	62.3	62.1	4.03	4.06	4.05	11.24	11.21	11.20	8	8.00
	16:22		Middle	4	29.60	29.60		7.99	7.99		28.33	28.30		62.3	62.1		4.06	4.06		11.19	11.16		8	
13/9/17	6:00	Fine	Middle	3	28.30	28.30	28.25	7.85	7.85	7.85	24.30	24.30	24.30	64.4	66.4	65.8	3.86	3.99	3.95	1.17	1.22	1.21	<2	<2
	6:01		Middle	3	28.20	28.20		7.85	7.85		24.30	24.30		66.1	66.4		3.97	3.99		1.24	1.20		<2	
15/9/17	8:30	Fine	Middle	4	28.30	28.30	28.35	7.97	7.97	7.97	25.38	25.38	25.36	46.8	47.4	47.1	3.16	3.21	3.19	9.20	9.56	9.49	6	6.00
	8:32		Middle	4	28.40	28.40		7.97	7.97		25.34	25.34		47.5	46.8		3.21	3.16		9.54	9.66		6	
18/9/17	10:34	Fine	Middle	4	30.50	30.50	30.60	8.12	8.12	8.12	27.83	27.83	27.82	56.8	56.4	55.9	3.65	3.63	3.60	6.99	7.00	7.01	4	3.50
	10:36		Middle	4	30.70	30.70		8.12	8.12		27.81	27.81		55.6	54.8		3.58	3.52		7.02	7.04		3	
20/9/17	14:22	Fine	Middle	4	30.30	30.30	30.35	8.10	8.10	8.10	28.87	28.87	28.73	52.5	54.8	54.3	3.37	3.51	3.48	7.12	7.11	7.11	8	9.00
	14:24		Middle	4	30.40	30.40		8.10	8.10		28.83	28.34		55.2	54.6		3.54	3.51		7.11	7.09		10	
23/9/17	13:40	Fine	Middle	4	29.50	29.50	29.50	8.11	8.11	8.11	28.40	28.40	28.40	72.3	73.3	72.5	4.71	4.78	4.72	7.97	7.96	7.99	8	9.00
	13:42		Middle	4	29.50	29.50		8.11	8.11		28.40	28.40		71.9	72.3		4.69	4.71		7.99	8.04		10	
25/9/17	15:18	Fine	Middle	4	30.40	30.40	30.50	8.18	8.18	8.19	29.79	29.79	29.72	59.9	59.5	59.1	3.82	3.78	3.76	10.83	10.78	10.77	8	7.50
	15:20		Middle	4	30.60	30.60		8.19	8.19		29.65	29.65		58.7	58.3		3.73	3.71		10.73	10.73		7	
28/9/17	5:52	Fine	Middle	3	29.20	29.20	29.20	7.82	7.82	7.82	26.67	26.67	26.67	66.0	67.9	67.4	4.17	4.29	4.26	1.11	1.06	1.12	3	3.00
	5:53		Middle	3	29.20	29.20		7.82	7.82		26.67	26.67		68.2	67.4		4.31	4.25		1.19	1.13		3	
30/9/17	11:00	Cloudy	Middle	4	28.70	28.70	28.55	7.50	7.50	24.46	29.00	29.00	29.01	90.3	90.5	90.6	5.96	5.97	5.97	2.72	2.73	2.73	<2	<2
	11:02		Middle	4	28.40	28.40		7.53	7.53		29.01	29.01		90.7	90.7		5.98	5.98		2.73	2.73		<2	

Remarks:  
The water quality monitoring on 4 September 2017 during ebb tide was cancelled due to the hoisting of Strong Wind Warning Signal No. 3



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





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

