



**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						
2/10/15	9:25	Fine	Middle	3.5	28.60	28.60	28.60	8.22	8.22	8.24	30.54	30.54	30.55	82.6	83.2	83.3	5.41	5.44	5.45	9.25	9.18	9.14	11	10.50
	9:27		Middle	3.5	28.60	28.60		8.25	8.25		30.55	30.55		83.2	84.2		5.44	5.51		9.12	9.02		10	
6/10/15	15:19	Cloudy	Middle	3.5	27.80	27.80	27.90	8.26	8.26	8.27	30.53	30.53	30.66	71.6	69.0	68.7	4.72	4.54	<u>4.53</u>	7.68	8.10	8.00	3	4.00
	15:21		Middle	3.5	28.00	28.00		8.28	8.28		30.78	30.78		67.6	66.6		4.46	4.39		8.10	8.10		5	
8/10/15	15:09	Fine	Middle	3.5	28.50	28.50	28.60	8.23	8.23	8.23	31.20	31.20	31.17	73.7	73.1	72.7	4.81	4.77	4.75	10.59	10.23	10.23	6	7.00
	15:11		Middle	3.5	28.70	28.70		8.23	8.23		31.14	31.14		72.5	71.6		4.73	4.67		10.07	10.04		8	
10/10/15	15:51	Cloudy	Middle	3.5	27.30	27.30	27.30	8.25	8.25	8.27	31.57	31.57	31.57	75.8	74.7	74.4	5.04	4.96	4.94	13.81	13.46	13.77	14	<u>14.00</u>
	15:53		Middle	3.5	27.30	27.30		8.29	8.29		31.57	31.57		73.6	73.3		4.89	4.87		13.81	13.99		14	
12/10/15	15:49	Cloudy	Middle	3.5	26.40	26.40	26.40	8.21	8.21	8.23	31.95	31.95	31.94	75.8	75.7	74.9	5.11	5.09	5.04	15.44	15.11	15.16	16	<u>15.50</u>
	15:51		Middle	3.5	26.40	26.40		8.25	8.25		31.93	31.93		74.4	73.7		5.01	4.96		15.05	15.02		15	
14/10/15	20:05	Fine	Middle	3.5	26.00	26.00	26.00	8.30	8.30	8.30	32.44	32.44	32.44	74.7	75.4	75.0	5.05	5.10	5.07	9.98	9.24	9.56	10	9.50
	20:06		Middle	3.5	26.00	26.00		8.30	8.30		32.44	32.44		75.3	74.6		5.09	5.04		9.38	9.65		9	
16/10/15	13:51	Fine	Middle	3.5	27.70	27.70	27.75	8.20	8.20	8.22	32.09	32.09	32.09	86.8	86.6	86.1	5.71	5.69	5.66	8.85	9.32	9.03	6	7.00
	13:53		Middle	3.5	27.80	27.80		8.24	8.24		32.09	32.09		86.2	84.7		5.67	5.57		8.84	9.10		8	
20/10/15	13:57	Fine	Middle	3.5	27.20	27.20	27.20	8.24	8.24	8.25	32.00	32.00	32.00	78.1	76.6	75.6	5.13	5.08	5.00	8.15	8.17	8.21	7	7.50
	13:59		Middle	3.5	27.20	27.20		8.25	8.25		31.99	31.99		74.4	73.1		4.91	4.86		8.23	8.29		8	
22/10/15	11:35	Fine	Middle	3.5	27.60	27.60	27.60	8.26	8.26	8.27	32.04	32.04	32.04	80.7	81.6	81.8	5.32	5.38	5.40	8.92	8.89	8.92	6	6.00
	11:37		Middle	3.5	27.60	27.60		8.27	8.27		32.04	32.04		82.0	82.7		5.43	5.45		8.92	8.95		6	
24/10/15	14:40	Fine	Middle	3.0	27.70	27.70	27.75	8.22	8.22	8.26	31.67	31.67	31.67	92.6	93.6	92.8	6.11	6.17	6.12	8.79	8.82	8.79	8	8.50
	14:42		Middle	3.0	27.80	27.80		8.29	8.29		31.67	31.67		92.6	92.5		6.11	6.10		8.82	8.72		9	
26/10/15	15:20	Fine	Middle	3.5	27.00	27.00	27.00	8.34	8.34	8.35	32.18	32.18	32.19	89.2	89.3	89.8	5.94	5.94	5.97	8.73	8.77	8.77	6	6.00
	15:22		Middle	3.5	27.00	27.00		8.36	8.36		32.19	32.19		90.0	90.5		5.99	6.02		8.78	8.80		6	
28/10/15	19:30	Cloudy	Middle	3.5	26.50	26.50	26.50	8.30	8.30	8.32	31.99	31.99	31.99	83.6	84.2	83.9	5.61	5.65	5.63	9.14	9.27	9.18	10	10.00
	19:31		Middle	3.5	26.50	26.50		8.33	8.33		31.99	31.99		83.7	83.9		5.61	5.66		9.24	9.06		10	
30/10/15	8:28	Fine	Middle	3.5	26.80	26.80	26.80	8.41	8.41	8.41	31.22	31.22	31.22	72.2	71.1	72.9	4.85	4.77	4.90	10.07	10.32	10.25	10	9.00
	8:30		Middle	3.5	26.80	26.80		8.40	8.40		31.22	31.22		73.1	75.2		4.91	5.05		10.34	10.25		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	Value	Average			
2/10/15	9:21	Fine	Middle	3.5	28.60	28.60	28.60	8.26	8.26	8.25	27.81	27.81	27.81	64.7	64.5	65.4	4.29	4.28	4.37	10.19	10.15	10.16	11	11.00
	9:23		Middle	3.5	28.60	28.60		8.24	8.24		27.81	27.81		64.5	67.7		4.41	4.49		10.15	10.14		11	
6/10/15	15:15	Cloudy	Middle	3.5	27.80	27.80	27.80	8.20	8.20	8.22	30.98	30.98	31.11	74.6	73.1	73.6	4.93	4.82	4.86	8.20	8.21	8.16	4	3.50
	15:17		Middle	3.5	27.80	27.80		8.24	8.24		31.23	31.23		73.4	73.4		4.84	4.84		8.11	8.11		3	
8/10/15	15:05	Fine	Middle	3.5	28.80	28.80	28.95	8.21	8.21	8.22	30.71	30.71	30.73	68.9	68.6	67.8	4.46	4.45	4.39	9.93	10.03	9.76	8	8.00
	15:07		Middle	3.5	29.10	29.10		8.22	8.22		30.75	30.75		67.1	66.5		4.35	4.31		9.55	9.52		8	
10/10/15	15:47	Cloudy	Middle	3.5	27.20	27.20	27.20	8.34	8.34	8.31	28.86	28.86	28.86	62.2	60.3	60.6	4.20	4.07	4.10	14.85	14.85	14.85	10	10.00
	15:49		Middle	3.5	27.20	27.20		8.27	8.27		28.86	28.86		60.0	60.0		4.06	4.06		14.85	14.85		10	
12/10/15	15:45	Cloudy	Middle	3.5	26.10	26.10	26.10	8.33	8.33	8.29	27.63	27.68	27.67	60.7	59.4	59.2	4.20	4.11	4.10	16.03	15.81	16.20	15	14.50
	15:47		Middle	3.5	26.10	26.10		8.25	8.25		27.69	27.69		58.6	58.2		4.06	4.03		16.61	16.35		14	
14/10/15	20:13	Fine	Middle	3.0	26.20	26.20	26.15	8.29	8.29	8.29	30.89	30.90	30.91	63.0	63.6	63.2	4.28	4.32	4.29	11.08	11.02	10.87	8	8.00
	20:14		Middle	3.0	26.10	26.10		8.28	8.28		30.92	30.92		63.1	62.9		4.29	4.27		11.06	10.30		8	
16/10/15	13:47	Fine	Middle	3.5	28.10	28.10	28.20	8.33	8.33	8.28	29.29	29.29	29.30	69.8	66.6	68.5	4.63	4.41	4.54	11.04	11.25	11.15	6	6.50
	13:49		Middle	3.5	28.30	28.30		8.22	8.22		29.30	29.30		68.8	68.7		4.56	4.55		11.20	11.12		7	
20/10/15	13:53	Fine	Middle	3.5	27.60	27.60	27.45	8.21	8.21	8.22	30.93	30.93	31.12	69.3	66.2	66.1	4.62	4.40	4.40	7.68	7.70	7.67	5	5.00
	13:55		Middle	3.5	27.30	27.30		8.23	8.23		31.30	31.30		65.0	64.0		4.32	4.26		7.66	7.64		5	
22/10/15	11:30	Fine	Middle	3.0	27.70	27.70	27.80	8.28	8.28	8.27	31.76	31.76	31.77	72.5	72.7	73.4	4.77	4.78	4.83	8.71	8.58	8.50	5	5.50
	11:32		Middle	3.0	27.90	27.90		8.26	8.26		31.77	31.77		74.6	73.9		4.90	4.85		8.40	8.31		6	
24/10/15	14:35	Fine	Middle	3.0	27.70	27.70	27.80	8.25	8.25	8.21	24.77	24.77	24.77	60.9	61.8	61.3	4.16	4.22	4.19	20.56	20.49	20.53	17	16.50
	14:37		Middle	3.0	27.90	27.90		8.17	8.17		24.77	24.77		61.4	61.2		4.19	4.18		20.52	20.54		16	
26/10/15	15:25	Fine	Middle	3.0	26.50	26.50	26.55	8.28	8.28	8.22	25.53	25.53	25.54	49.4	50.2	49.7	3.46	3.49	3.71	15.72	15.76	15.75	13	12.50
	15:27		Middle	3.0	26.60	26.60		8.16	8.16		25.54	25.54		48.9	50.2		3.39	4.49		15.79	15.72		12	
28/10/15	19:42	Cloudy	Middle	3.0	26.50	26.50	26.55	8.37	8.37	8.36	29.66	29.66	29.77	63.3	63.7	63.6	4.30	4.32	4.32	10.31	10.25	10.14	6	5.50
	19:43		Middle	3.0	26.60	26.60		8.34	8.34		29.87	29.87		63.5	63.9		4.31	4.33		10.02	9.98		5	
30/10/15	8:24	Fine	Middle	3.5	26.80	26.80	26.80	8.46	8.46	8.45	30.33	30.33	30.32	69.6	70.6	69.7	4.70	4.76	4.70	11.00	10.26	10.60	8	7.50
	8:26		Middle	3.5	26.80	26.80		8.43	8.43		30.31	30.31		69.9	68.7		4.72	4.63		10.56	10.56		7	



**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				
2/10/15	14:41	Fine	Middle	3.5	28.80	28.80	28.85	8.22	8.22	8.24	30.82	30.82	30.83	75.1	74.1	74.4	4.89	4.82	4.84	7.11	7.00	7.09	5	5.00
	14:43		Middle	3.5	28.90	28.90		8.25	8.25		30.84	30.84		74.3	73.9		4.83	4.81		7.24	7.01		5	
6/10/15	7:49	Cloudy	Middle	3.5	27.50	27.50	27.50	8.16	8.16	8.20	30.95	30.95	31.00	78.1	78.7	78.0	5.19	5.22	5.18	5.58	5.51	5.52	3	2.50
	7:51		Middle	3.5	27.50	27.50		8.23	8.23		31.04	31.04		78.4	76.6		5.20	5.09		5.49	5.49		2	
8/10/15	9:08	Fine	Middle	3.5	27.70	27.70	27.75	8.17	8.17	8.17	27.05	27.05	27.05	68.3	71.2	70.2	4.62	4.81	4.75	8.21	8.21	8.20	3	4.00
	9:10		Middle	3.5	27.80	27.80		8.16	8.16		27.05	27.05		71.1	70.0		4.81	4.74		8.10	8.26		5	
10/10/15	10:20	Fine	Middle	3.5	27.40	27.40	27.50	8.29	8.29	8.30	31.62	31.63	31.51	77.2	77.6	77.4	5.09	5.12	5.10	6.82	6.88	6.80	4	4.50
	10:22		Middle	3.5	27.60	27.60		8.30	8.30		31.90	30.90		77.5	77.2		5.11	5.09		6.77	6.74		5	
12/10/15	10:55	Cloudy	Middle	3.5	26.10	26.10	26.10	8.26	8.26	8.27	31.88	31.88	31.89	64.5	65.5	67.0	4.33	4.43	<u>4.53</u>	8.71	8.71	8.71	9	9.00
	10:57		Middle	3.5	26.10	26.10		8.27	8.27		31.89	31.89		69.0	69.0		4.67	4.67		8.71	8.71		9	
14/10/15	11:20	Fine	Middle	3.5	27.10	27.10	27.10	8.22	8.22	8.25	32.37	32.37	32.36	80.6	80.9	79.1	5.35	5.37	5.25	9.61	9.69	9.60	7	6.50
	11:22		Middle	3.5	27.10	27.10		8.27	8.27		32.35	32.35		78.5	76.4		5.20	5.07		9.54	9.54		6	
16/10/15	8:25	Fine	Middle	3.0	26.40	26.40	26.40	8.32	8.32	8.32	32.01	32.01	32.02	88.2	88.5	88.6	5.94	5.96	5.97	11.45	11.58	11.60	7	7.00
	8:27		Middle	3.0	26.40	26.40		8.31	8.31		32.02	32.02		88.1	89.7		5.93	6.03		11.65	11.72		7	
20/10/15	3:28	Fine	Middle	3.5	25.30	25.30	25.30	8.30	8.30	8.30	32.32	32.32	32.32	78.4	79.1	78.4	5.37	5.41	5.37	7.80	7.84	7.73	4	4.50
	3:29		Middle	3.5	25.30	25.30		8.30	8.30		32.32	32.32		78.3	77.9		5.35	5.33		7.65	7.61		5	
22/10/15	5:48	Cloudy	Middle	3.5	26.10	26.10	26.10	8.21	8.21	8.22	32.31	32.31	32.32	76.8	77.4	77.3	5.19	5.22	5.22	2.16	2.31	2.18	2	2.00
	5:49		Middle	3.5	26.10	26.10		8.22	8.22		32.33	32.33		77.7	77.3		5.25	5.22		2.11	2.13		2	
24/10/15	9:18	Fine	Middle	3.5	26.80	26.80	26.85	8.25	8.25	8.26	32.29	32.29	32.31	77.6	75.7	75.4	5.17	5.04	5.02	6.90	6.81	6.66	5	5.00
	9:20		Middle	3.5	26.90	26.90		8.27	8.27		32.33	32.33		74.3	74.1		4.95	4.93		6.47	6.46		5	
26/10/15	10:45	Fine	Middle	3.5	26.60	26.60	26.60	8.23	8.23	8.27	32.42	32.42	32.42	84.3	86.5	85.7	5.63	5.75	5.71	7.05	7.07	7.05	4	4.50
	10:47		Middle	3.5	26.60	26.60		8.30	8.30		32.42	32.42		85.5	86.3		5.71	5.74		7.06	7.00		5	
28/10/15	11:50	Fine	Middle	3.5	27.30	27.30	27.35	8.33	8.33	8.34	31.99	31.99	31.99	88.9	89.1	89.2	5.89	5.91	5.91	7.35	7.34	7.29	4	4.00
	11:52		Middle	3.5	27.40	27.40		8.35	8.35		31.99	31.99		89.3	89.4		5.91	5.92		7.25	7.20		4	
30/10/15	14:00	Fine	Middle	3.5	27.00	27.00	27.05	8.33	8.33	8.35	31.53	31.53	31.53	92.7	93.3	92.4	6.18	6.22	6.16	11.95	11.96	11.95	10	10.50
	14:02		Middle	3.5	27.10	27.10		8.37	8.37		31.53	31.53		92.4	91.1		6.16	6.07		11.96	11.92		11	

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

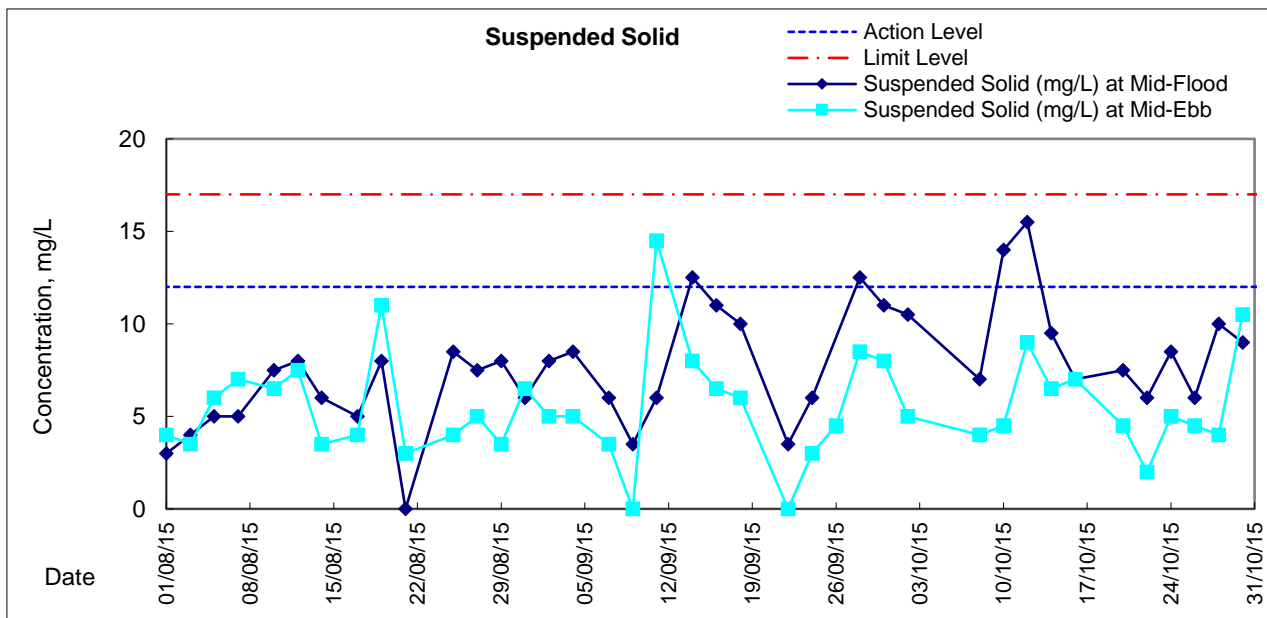
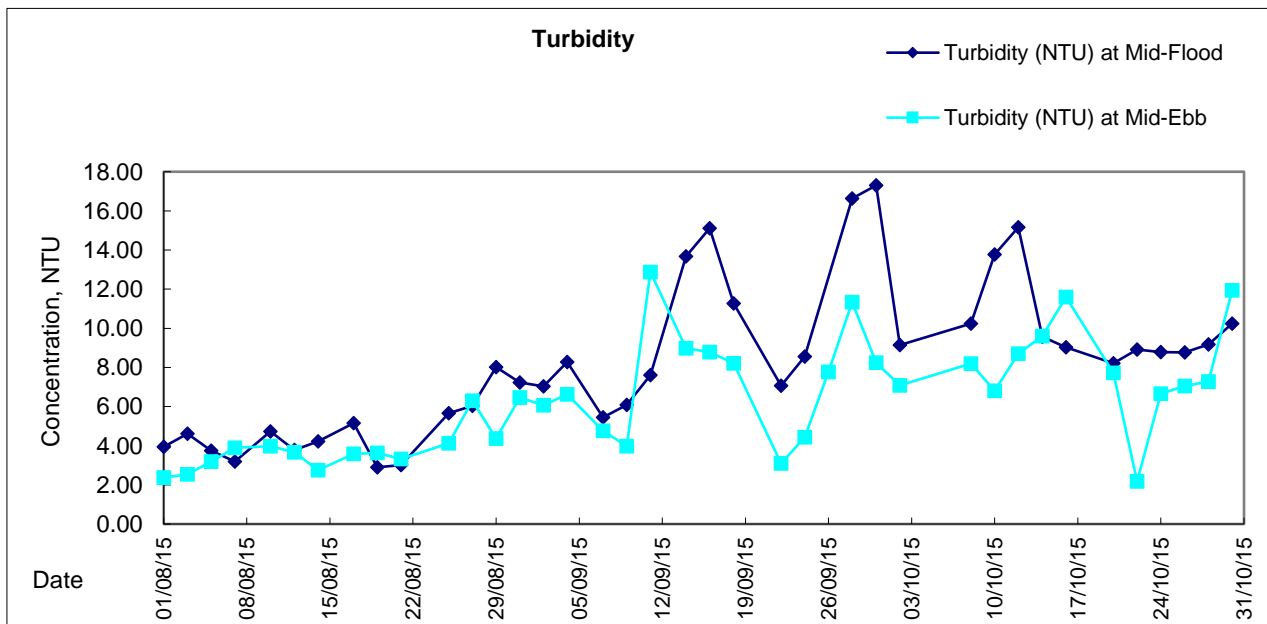
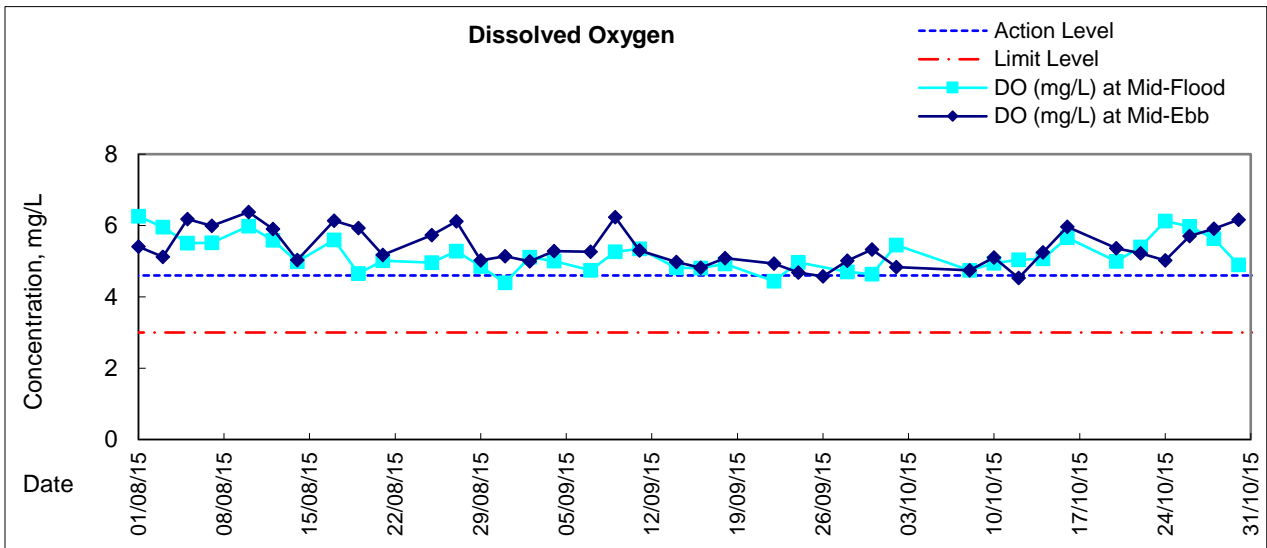


**Water Monitoring Result at Culvert J - Reference Station  
Mid-Ebb Tide**

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	Value	Average				
2/10/15	14:37	Fine	Middle	4	28.80	28.80	29.30	8.24	8.24	8.24	29.54	29.54	29.54	67.2	66.3	67.0	4.40	4.39	4.40	8.39	8.34	8.38	6	7.00
	14:39		Middle	4	29.80	29.80		8.23	8.23		29.53	29.53		67.4	67.2		4.41	4.40		8.39	8.41		8	
6/10/15	7:45	Cloudy	Middle	4	26.90	26.90	87.43	8.44	8.44	8.41	17.43	17.43	17.43	82.5	81.8	80.9	3.98	3.89	3.85	19.50	19.51	19.51	11	11.00
	7:47		Middle	4	26.90	269.00		8.38	8.38		17.42	17.42		80.1	79.0		3.80	3.72		19.51	19.51		11	
8/10/15	9:04	Fine	Middle	4	27.70	27.70	27.70	8.21	8.21	8.20	27.05	27.05	27.05	70.1	67.1	66.7	4.75	4.54	4.51	9.91	10.03	10.05	4	4.50
	9:06		Middle	4	27.70	27.70		8.19	8.19		27.04	27.04		65.7	63.7		4.45	4.30		10.05	10.19		5	
10/10/15	10:16	Fine	Middle	4	27.30	27.30	27.30	8.28	8.28	8.29	31.53	1.53	24.06	68.4	66.4	65.6	4.54	4.41	4.35	8.10	8.10	8.11	6	6.50
	10:18		Middle	4	27.30	27.30		8.29	8.29		31.58	31.58		64.5	62.9		4.28	4.18		8.11	8.11		7	
12/10/15	10:51	Cloudy	Middle	4	26.10	26.10	26.10	8.25	8.25	8.26	31.88	31.88	31.89	69.2	68.0	67.1	4.63	4.60	4.53	8.53	8.47	8.52	8	8.00
	10:53		Middle	4	26.10	26.10		8.26	8.26		31.89	31.89		65.5	65.7		4.43	4.44		8.54	8.55		8	
14/10/15	11:25	Fine	Middle	4	27.20	27.20	27.20	8.24	8.24	8.23	30.22	30.22	30.23	68.5	68.8	69.5	4.59	4.62	4.66	10.52	10.65	10.66	8	7.50
	11:27		Middle	4	27.20	27.20		8.22	8.22		30.23	30.23		71.4	69.1		4.79	4.63		10.49	10.99		7	
16/10/15	8:20	Fine	Middle	3	26.50	26.50	26.45	8.38	8.38	8.36	31.52	31.52	31.53	80.6	81.2	80.7	5.43	5.48	5.44	11.46	11.34	11.33	6	6.50
	8:22		Middle	3	26.40	26.40		8.33	8.33		31.53	31.53		80.7	80.3		5.45	5.41		11.29	11.22		7	
20/10/15	3:36	Fine	Middle	3	25.70	25.70	25.65	8.30	8.30	8.27	27.78	27.78	27.78	56.4	56.1	56.0	3.94	3.92	3.91	10.57	10.60	10.64	6	6.00
	3:37		Middle	3	25.60	25.60		8.24	8.24		27.78	27.78		55.6	55.7		3.88	3.89		10.68	10.71		6	
22/10/15	5:57	Cloudy	Middle	3	26.40	26.40	26.35	8.24	8.24	8.23	29.98	29.98	29.98	68.2	68.0	67.7	4.65	4.63	4.61	4.97	5.11	5.17	5	4.50
	5:58		Middle	3	26.30	26.30		8.22	8.22		29.98	29.98		67.0	67.6		4.57	4.60		5.34	5.24		4	
24/10/15	9:14	Fine	Middle	4	26.80	26.80	26.80	8.26	8.26	8.26	31.07	31.07	31.07	69.3	69.3	69.4	4.65	4.66	4.64	6.09	6.16	6.15	4	4.00
	9:16		Middle	4	26.80	26.80		8.26	8.26		31.07	31.07		69.4	69.4		4.59	4.66		6.15	6.21		4	
26/10/15	10:40	Fine	Middle	3	26.30	26.30	26.30	8.23	8.23	8.17	24.00	24.00	24.00	45.1	45.1	45.2	3.18	3.18	3.19	13.83	13.87	13.89	10	10.00
	10:42		Middle	3	26.30	26.30		8.10	8.10		24.00	24.00		45.2	45.4		3.19	3.20		13.88	13.98		10	
28/10/15	10:45	Fine	Middle	3	27.30	27.30	27.35	8.31	8.31	8.31	31.28	31.28	31.29	83.9	85.2	84.0	5.58	5.66	5.58	9.80	9.78	9.78	6	6.00
	10:47		Middle	3	27.40	27.40		8.31	8.31		31.29	31.29		83.5	83.3		5.55	5.53		9.75	9.77		6	
30/10/15	13:55	Fine	Middle	3	27.30	27.30	27.35	8.41	8.41	8.37	28.32	28.32	28.34	73.6	73.5	72.9	4.98	4.98	4.94	11.33	11.35	11.37	5	4.50
	13:57		Middle	3	27.40	27.40		8.33	8.33		28.36	28.36		72.7	71.9		4.91	4.87		11.39	11.42		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

