



**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						
2/12/15	15:00	Fine	Middle	3.5	24.30	24.30	24.35	8.29	8.29	8.31	32.13	32.13	32.13	80.2	79.1	78.3	5.58	5.50	5.45	5.20	5.06	5.17	4	4.00
	15:02		Middle	3.5	24.40	24.40		8.32	8.32		32.12	32.12		77.4	76.5		5.39	5.32		5.19	5.22		4	
4/12/15	13:35	Fine	Middle	3.5	22.80	22.80	22.85	8.33	8.33	8.36	32.30	32.48	32.47	78.0	76.8	76.6	5.55	5.47	5.45	7.77	7.77	7.68	9	8.00
	13:37		Middle	3.5	22.90	22.90		8.38	8.38		32.54	32.54		76.4	75.2		5.44	5.35		7.63	7.56		7	
7/12/15	14:20	Fine	Middle	3.5	22.10	22.10	22.20	8.40	8.40	8.42	31.10	31.10	31.08	82.2	78.8	78.7	5.81	5.66	5.63	5.22	5.25	5.25	4	3.50
	14:22		Middle	3.5	22.30	22.30		8.43	8.43		31.00	31.10		77.4	76.2		5.56	5.47		5.24	5.27		3	
9/12/15	15:25	Rainy	Middle	3.5	21.20	21.20	21.30	8.41	8.41	8.42	32.06	32.06	32.31	86.1	85.8	84.0	6.30	6.27	6.14	5.39	5.36	5.33	4	4.00
	15:27		Middle	3.5	21.40	21.40		8.43	8.41		32.55	32.55		82.9	81.1		6.06	5.93		5.33	5.23		4	
11/12/15	15:41	Fine	Middle	3.5	22.10	22.10	22.10	8.33	8.35	8.36	32.82	32.82	32.82	78.4	79.0	78.1	5.66	5.70	5.63	4.83	4.76	4.75	<2	<2
	15:43		Middle	3.5	22.10	22.10		8.38	8.38		32.82	32.82		78.4	76.5		5.65	5.52		4.70	4.69		<2	
14/12/15	8:45	Cloudy	Middle	3.5	21.70	21.70	21.70	8.38	8.38	8.39	32.84	32.84	32.84	91.2	91.7	91.2	6.62	6.66	6.62	8.31	8.34	8.34	6	6.50
	8:47		Middle	3.5	21.70	21.70		8.40	8.40		32.84	32.84		91.7	90.2		6.66	6.55		8.38	8.34		7	
16/12/15	10:06	Fine	Middle	3.5	19.70	19.70	19.70	8.42	8.41	8.42	32.70	32.70	32.77	82.1	81.5	80.4	6.18	6.14	6.06	9.32	9.24	9.26	9	8.00
	10:08		Middle	3.5	19.70	19.70		8.42	8.42		32.83	32.83		79.4	78.7		5.98	5.93		9.24	9.24		7	
18/12/15	10:10	Fine	Middle	3.5	18.80	18.80	18.85	8.32	8.32	8.34	32.78	32.78	32.81	83.0	80.8	80.7	6.34	6.16	6.16	9.89	10.03	9.95	10	10.00
	10:12		Middle	3.5	18.90	18.90		8.36	8.36		32.84	32.84		80.0	79.0		6.11	6.04		9.96	9.93		10	
21/12/15	16:05	Fine	Middle	3.5	20.20	20.20	20.25	8.35	8.35	8.37	32.81	32.81	32.81	87.0	88.5	89.0	6.49	6.61	6.64	6.42	6.38	6.24	4	4.00
	16:07		Middle	3.5	20.30	20.30		8.38	8.38		32.81	32.81		90.1	90.4		6.72	6.74		6.16	6.01		4	
23/12/15	16:19	Cloudy	Middle	3.5	20.90	20.90	20.85	8.29	8.29	8.31	32.72	32.72	32.72	85.1	83.4	83.4	6.30	6.17	6.15	5.29	5.22	5.28	6	5.50
	16:21		Middle	3.5	20.80	20.80		8.33	8.33		32.72	32.72		82.4	82.7		6.09	6.04		5.29	5.32		5	
26/12/15	5:23	Cloudy	Middle	3.0	19.10	19.10	19.10	8.44	8.44	8.44	32.50	32.50	32.50	77.2	76.8	77.2	5.89	5.86	5.89	4.84	4.72	4.70	4	5.00
	5:24		Middle	3.0	19.10	19.10		8.44	8.44		32.49	32.49		77.5	77.2		5.91	5.89		4.63	4.61		6	
28/12/15	8:46	Fine	Middle	3.5	19.00	19.00	19.05	8.34	8.34	8.35	31.92	31.92	31.99	82.0	80.6	80.2	6.28	6.17	6.14	7.21	8.24	7.61	5	5.50
	8:48		Middle	3.5	19.10	19.10		8.35	8.35		32.05	32.05		79.6	78.5		6.09	6.01		7.61	7.38		6	
30/12/15	8:21	Fine	Middle	3.5	18.90	18.90	18.90	8.34	8.34	8.35	32.10	32.10	32.15	83.7	81.5	81.1	6.43	6.26	6.23	7.17	7.19	7.23	5	5.00
	8:23		Middle	3.5	18.90	18.90		8.35	8.35		32.20	32.20		80.0	79.0		6.14	6.07		7.20	7.35		5	

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					
2/12/15	14:56	Fine	Middle	3.5	24.60	24.60	24.65	8.28	8.28	8.28	30.10	30.10	30.09	62.6	61.6	61.2	4.39	4.32	4.29	9.56	9.56	9.47	6	6.00
	14:58		Middle	3.5	24.70	24.70		8.28	8.28		30.08	30.08		60.6	59.8		4.25	4.19		9.41	9.33		6	
4/12/15	13:31	Fine	Middle	3.5	22.70	22.70	22.70	8.35	8.35	8.35	30.66	30.66	30.66	66.0	65.3	65.3	4.76	4.71	4.71	11.03	11.04	10.98	7	6.50
	13:33		Middle	3.5	22.70	22.70		8.35	8.35		30.66	30.66		65.2	64.7		4.71	4.67		11.02	10.84		6	
7/12/15	14:24	Fine	Middle	3.5	22.00	22.00	22.00	8.41	8.41	8.42	31.03	31.03	31.03	73.1	72.0	71.6	5.33	5.26	5.22	8.00	8.04	8.04	7	6.00
	14:26		Middle	3.5	22.00	22.00		8.42	8.42		31.03	31.03		71.4	70.0		5.21	5.09		8.05	8.06		5	
9/12/15	15:29	Rainy	Middle	3.5	21.00	21.00	20.95	8.46	8.46	8.47	27.95	27.95	27.97	74.4	73.5	73.4	5.64	5.57	5.57	10.45	10.45	10.47	11	11.00
	15:30		Middle	3.5	20.90	20.90		8.47	8.47		27.98	27.98		73.0	72.6		5.54	5.51		10.48	10.50		11	
11/12/15	16:03	Fine	Middle	3.5	22.20	22.20	22.20	8.27	8.27	8.31	32.78	30.78	32.34	66.6	66.4	65.1	4.85	4.84	4.75	9.05	8.83	8.91	2	2.50
	16:05		Middle	3.5	22.20	22.20		8.34	8.34		32.90	32.90		64.3	63.2		4.69	4.60		8.86	8.90		3	
14/12/15	8:40	Cloudy	Middle	3.0	21.70	21.70	21.70	8.34	8.34	8.36	31.95	31.95	31.96	90.5	89.7	89.2	6.61	6.55	6.51	9.24	9.30	9.29	8	8.50
	8:42		Middle	3.0	21.70	21.70		8.37	8.37		31.96	31.96		88.0	88.4		6.43	6.46		9.31	9.31		9	
16/12/15	10:02	Fine	Middle	3.5	19.20	19.20	19.20	8.41	8.41	8.42	31.71	31.71	31.75	76.0	73.4	72.9	5.82	5.62	5.58	9.08	9.07	9.07	8	9.00
	10:04		Middle	3.5	19.20	19.20		8.42	8.42		31.78	31.78		71.6	70.5		5.49	5.40		9.06	9.06		10	
18/12/15	10:06	Fine	Middle	3.5	18.20	18.20	18.10	8.29	8.29	8.31	31.22	31.22	31.33	73.0	75.9	74.8	5.73	5.94	5.87	8.81	8.81	8.81	8	9.00
	10:08		Middle	3.5	18.00	18.00		8.32	8.32		31.44	31.44		76.2	74.2		5.97	5.82		8.81	8.82		10	
21/12/15	16:01	Fine	Middle	3.5	20.40	20.40	20.50	8.30	8.30	8.31	31.12	31.12	31.11	78.2	78.2	78.0	5.87	5.87	5.85	8.95	8.98	8.77	4	4.00
	16:03		Middle	3.5	20.60	20.60		8.31	8.31		31.10	31.10		78.5	77.1		5.89	5.78		8.55	8.61		4	
23/12/15	16:15	Cloudy	Middle	3.5	21.00	21.00	21.05	8.23	8.23	8.23	31.94	31.94	31.93	84.3	84.4	84.0	6.27	6.24	6.22	7.49	7.48	7.49	6	7.00
	16:17		Middle	3.5	21.10	21.10		8.22	8.22		31.92	31.92		84.1	83.3		6.21	6.15		7.48	7.51		8	
26/12/15	5:30	Cloudy	Middle	2.5	19.20	19.20	19.20	8.46	8.45	8.44	30.27	30.27	30.27	66.0	66.7	66.9	5.09	5.15	5.16	5.15	5.10	5.11	6	6.50
	5:31		Middle	2.5	19.20	19.20		8.43	8.43		30.27	30.27		67.4	67.5		5.20	5.21		5.08	5.10		7	
28/12/15	8:50	Fine	Middle	3.5	18.90	18.90	18.90	8.32	8.32	8.33	31.65	31.65	31.66	82.6	83.4	82.4	6.35	6.42	6.34	7.99	7.99	8.01	6	5.50
	8:52		Middle	3.5	18.90	18.90		8.34	8.34		31.66	31.66		82.9	80.8		6.38	6.21		8.02	8.02		5	
30/12/15	8:17	Fine	Middle	3.5	18.60	18.60	18.60	8.30	8.30	8.31	32.62	32.62	32.14	81.0	80.7	80.4	6.28	6.25	6.23	8.15	8.14	8.14	6	5.00
	8:19		Middle	3.5	18.60	18.60		8.32	8.32		31.65	31.65		80.2	79.7		6.21	6.18		8.14	8.14		4	



**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				
2/12/15	3:18	Cloudy	Middle	3.5	23.30	23.30	23.30	8.39	8.39	8.40	32.53	32.53	32.53	82.5	83.0	82.6	5.84	5.88	5.85	8.40	8.52	8.42	4	4.00
	3:19		Middle	3.5	23.30	23.30		8.41	8.41		32.53	32.53		82.3	82.5		5.82	5.84		8.33	8.44		4	
4/12/15	6:25	Cloudy	Middle	3.0	21.70	21.70	21.70	8.48	8.48	8.48	32.69	32.69	32.69	77.0	78.0	77.6	5.60	5.68	5.59	3.68	3.65	3.64	3	3.50
	6:26		Middle	3.0	21.70	21.70		8.48	8.48		32.68	32.68		77.8	77.4		5.55	5.54		3.62	3.61		4	
7/12/15	9:04	Fine	Middle	3.5	21.30	21.30	21.35	8.49	8.49	8.49	33.07	33.07	33.11	84.1	82.7	82.5	6.13	6.02	6.01	8.00	7.95	7.98	7	7.50
	9:06		Middle	3.5	21.40	21.40		8.49	8.49		33.14	33.14		81.9	81.1		5.97	5.91		7.96	7.99		8	
9/12/15	0:40	Cloudy	Middle	3.0	20.50	20.50	20.45	8.46	8.48	8.48	32.61	32.61	32.61	82.5	83.2	82.9	6.14	6.20	6.17	5.94	5.84	5.87	3	2.50
	0:41		Middle	3.0	20.40	20.40		8.49	8.49		32.61	32.61		83.2	82.5		6.20	6.15		5.99	5.72		2	
12/12/15	1:12	Cloudy	Middle	3.0	20.90	20.90	20.90	8.43	8.43	8.44	33.03	33.03	33.03	84.5	86.0	86.0	6.22	6.33	6.33	13.48	13.33	13.35	4	3.00
	1:13		Middle	3.0	20.90	20.90		8.44	8.44		33.03	33.03		86.7	86.8		6.38	6.40		13.28	13.31		2	
14/12/15	1:40	Cloudy	Middle	3.0	21.40	21.40	21.40	8.39	8.39	8.40	32.93	32.93	32.94	80.0	80.8	80.4	5.84	5.90	5.87	4.06	4.01	4.05	3	3.50
	1:41		Middle	3.0	21.40	21.40		8.40	8.40		32.94	32.94		80.6	80.2		5.88	5.86		4.08	4.03		4	
16/12/15	5:05	Fine	Middle	3.0	18.30	18.30	18.30	8.48	8.47	8.47	32.81	32.81	32.81	82.8	82.6	82.2	6.41	6.40	6.37	10.09	10.19	10.11	4	3.50
	5:06		Middle	3.0	18.30	18.30		8.48	8.47		32.81	32.81		82.0	81.4		6.36	6.30		10.11	10.04		3	
18/12/15	6:17	Fine	Middle	3.5	16.70	16.80	16.78	8.50	8.50	8.50	33.09	33.09	33.09	83.1	83.2	83.3	6.64	6.65	6.66	9.45	9.52	9.50	5	6.00
	6:18		Middle	3.5	16.80	16.80		8.50	8.50		33.09	33.09		83.5	83.2		6.68	6.65		9.54	9.50		7	
21/12/15	8:35	Cloudy	Middle	3.0	19.70	19.70	19.65	8.37	8.37	8.39	32.93	32.93	32.93	95.2	95.1	95.0	7.18	7.17	7.16	5.24	5.26	5.26	5	4.50
	8:37		Middle	3.0	19.60	19.60		8.40	8.40		32.93	32.93		95.2	94.4		7.18	7.11		5.27	5.26		4	
23/12/15	9:47	Fine	Middle	3.5	20.50	20.50	20.50	8.32	8.30	8.34	32.73	32.73	32.73	84.7	81.8	81.5	6.29	6.08	6.05	5.89	5.91	5.93	4	5.00
	9:49		Middle	3.5	20.50	20.50		8.36	8.36		32.72	32.72		80.4	79.0		5.97	5.86		5.94	5.98		6	
26/12/15	0:21	Cloudy	Middle	3.0	19.20	19.20	19.20	8.37	8.37	8.38	32.55	32.55	32.55	83.8	84.1	83.9	6.38	6.40	6.39	4.14	4.23	4.24	3	3.50
	0:22		Middle	3.0	19.20	19.20		8.38	8.38		32.55	32.55		84.0	83.7		6.40	6.37		4.28	4.30		4	
28/12/15	1:38	Cloudy	Middle	3.0	18.40	18.40	18.40	8.40	8.40	8.41	31.99	31.99	31.99	83.4	84.4	84.0	6.47	6.54	6.51	3.49	3.47	3.44	4	4.00
	1:39		Middle	3.0	18.40	18.40		8.41	8.41		31.99	31.99		84.0	84.0		6.51	6.51		3.41	3.38		4	
30/12/15	3:32	Cloudy	Middle	3.5	18.70	18.70	18.65	8.45	8.45	8.46	32.37	32.97	32.53	78.4	79.3	79.5	6.05	6.11	6.13	3.13	3.10	3.12	2	3.00
	3:33		Middle	3.5	18.60	18.60		8.46	8.46		32.38	32.38		79.9	80.3		6.17	6.19		3.15	3.08		4	

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

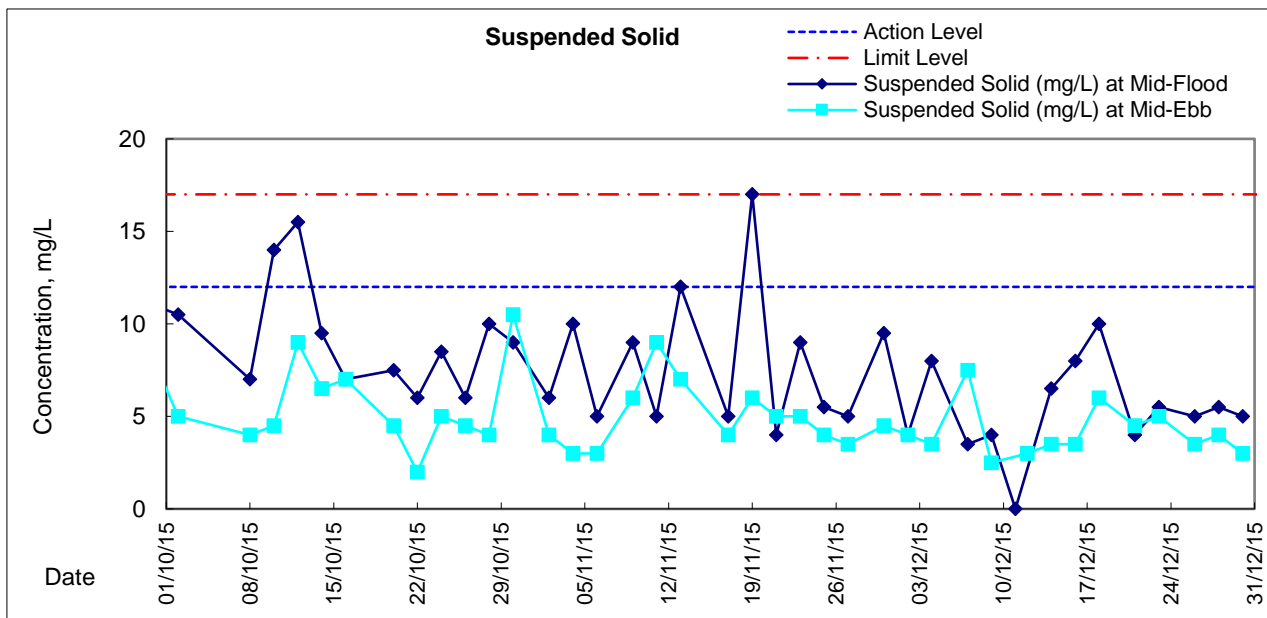
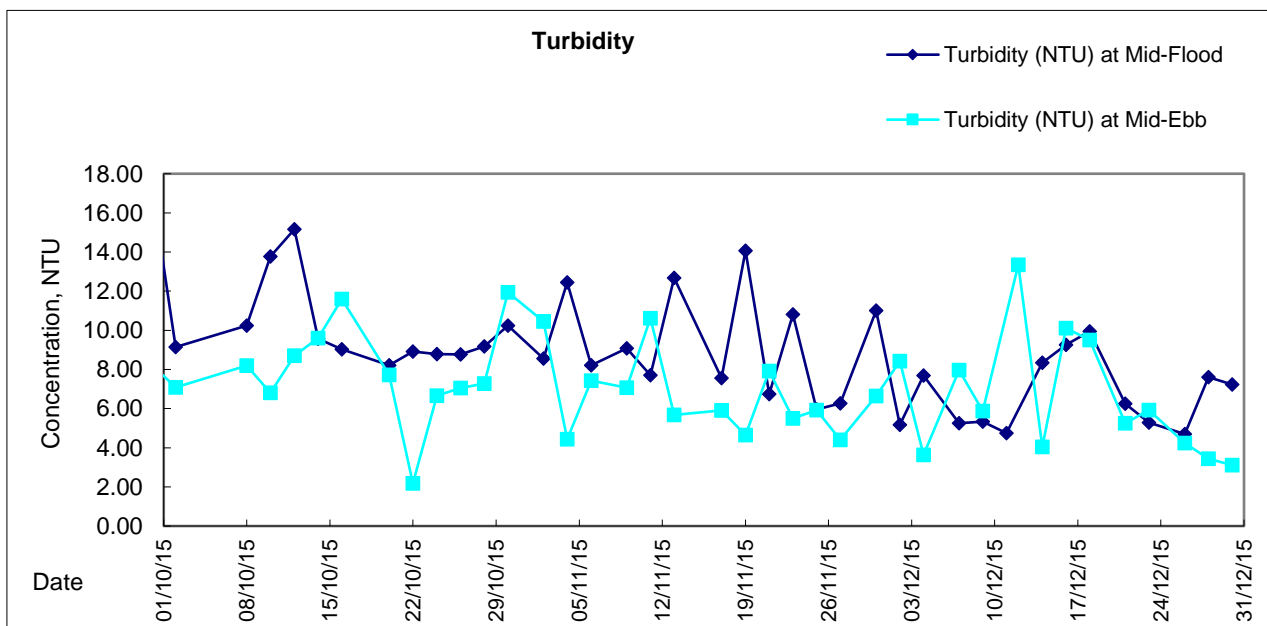
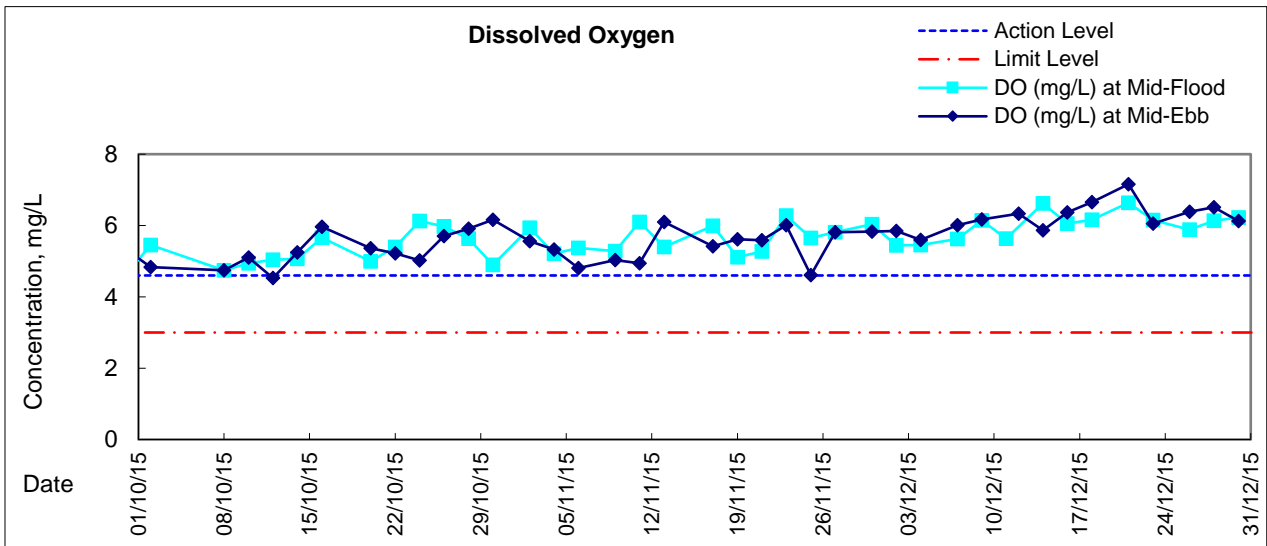


**Water Monitoring Result at Culvert J - Reference Station
Mid-Ebb Tide**

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				
2/12/15	3:27	Cloudy	Middle	3	23.40	23.40	23.40	8.41	8.41	8.40	27.50	27.50	27.49	44.9	45.6	44.9	3.27	3.32	3.27	9.13	9.05	9.07	5	5.50
	3:28		Middle	3	23.40	23.40		8.39	8.40		27.47	27.47		44.8	44.4		3.26	3.23		9.03	9.07		6	
4/12/15	6:31	Cloudy	Middle	3	22.30	22.30	22.20	8.47	8.47	8.46	30.95	30.95	30.96	68.1	67.8	67.2	4.97	4.93	4.90	5.45	5.50	5.55	5	4.50
	6:32		Middle	3	22.10	22.10		8.44	8.44		30.96	30.96		66.5	66.3		4.85	4.84		5.63	5.60		4	
7/12/15	9:00	Fine	Middle	4	21.00	21.00	20.95	8.48	8.48	8.49	32.99	32.99	33.05	73.5	73.6	73.7	5.40	5.41	5.42	5.94	5.98	6.00	5	5.00
	9:02		Middle	4	20.90	20.90		8.49	8.49		33.10	33.10		73.5	74.1		5.40	5.45		5.99	6.09		5	
9/12/15	0:52	Cloudy	Middle	3	20.50	20.50	20.45	8.54	8.54	8.52	24.90	24.90	24.90	56.9	57.0	57.1	4.43	4.44	4.45	8.95	8.98	8.99	8	7.00
	0:53		Middle	3	20.40	20.40		8.50	8.50		24.90	24.90		57.9	56.5		4.51	4.41		9.03	9.00		6	
12/12/15	1:20	Cloudy	Middle	3	21.00	21.00	21.00	8.35	8.35	8.34	27.49	27.49	27.49	32.6	32.9	32.7	2.48	2.50	2.48	43.77	43.90	44.01	7	7.50
	1:21		Middle	3	21.00	21.00		8.33	8.33		27.48	27.48		32.8	32.4		2.49	2.46		44.16	44.22		8	
14/12/15	1:50	Cloudy	Middle	3	21.50	21.50	21.45	8.46	8.46	8.38	26.75	26.75	26.75	42.1	42.3	42.3	3.19	3.20	3.20	9.55	9.67	9.61	5	4.50
	1:51		Middle	3	21.40	21.40		8.30	8.30		26.75	26.75		42.2	42.6		3.20	3.22		9.62	9.60		4	
16/12/15	5:15	Fine	Middle	3	19.60	19.60	19.50	8.51	8.50	8.50	26.56	26.56	26.55	57.2	57.5	57.3	4.50	4.53	4.51	17.26	17.00	17.03	6	5.50
	5:16		Middle	3	19.40	19.40		8.48	8.50		26.54	26.54		57.4	57.2		4.52	4.50		16.98	16.86		5	
18/12/15	6:30	Fine	Middle	3	17.00	17.00	17.00	8.51	8.51	8.46	29.46	29.46	29.47	63.9	63.8	63.5	5.15	5.15	5.13	12.33	12.16	12.21	6	6.50
	6:31		Middle	3	17.00	17.00		8.40	8.40		29.47	29.47		63.2	63.0		5.11	5.10		12.04	12.31		7	
21/12/15	8:30	Cloudy	Middle	3	19.70	19.70	19.70	8.33	8.33	8.34	31.36	31.36	31.36	81.5	81.6	81.6	6.20	6.20	6.21	7.60	7.60	7.59	4	4.00
	8:32		Middle	3	19.70	19.70		8.34	8.34		31.36	31.36		81.9	81.4		6.23	6.19		7.58	7.57		4	
23/12/15	9:43	Fine	Middle	4	20.70	20.70	20.75	8.30	8.30	8.31	31.07	31.07	31.02	77.4	76.5	75.9	5.79	5.72	5.67	8.00	8.00	7.98	8	8.00
	9:45		Middle	4	20.80	20.80		8.32	8.32		30.97	30.97		75.3	74.4		5.62	5.56		7.97	7.96		8	
26/12/15	0:32	Cloudy	Middle	3	19.50	19.50	19.45	8.38	8.36	8.36	24.21	24.21	24.21	28.8	28.6	28.5	2.30	2.27	2.27	154.30	153.70	153.63	18	17.00
	0:33		Middle	3	19.40	19.40		8.34	8.34		24.20	24.20		28.2	28.2		2.25	2.25		153.30	153.20		16	
28/12/15	1:46	Cloudy	Middle	3	18.90	18.90	18.85	8.44	8.44	8.42	23.81	23.81	23.81	41.2	40.9	40.7	3.33	3.30	3.28	56.13	56.10	55.81	8	7.00
	1:47		Middle	3	18.80	18.80		8.40	8.40		23.80	23.80		40.2	40.3		3.25	3.25		56.07	54.94		6	
30/12/15	3:42	Cloudy	Middle	3	19.30	19.30	19.25	8.54	8.53	8.51	24.48	24.48	24.48	54.1	55.5	55.3	4.33	4.43	4.42	11.86	11.91	11.92	4	4.00
	3:43		Middle	3	19.20	19.20		8.48	8.50		24.48	24.48		55.8	55.6		4.46	4.44		11.94	11.98		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

