



**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						
01/02/2018	17:11	Cloudy	Middle	3.0	15.00	15.00	15.00	8.22	8.22	8.22	32.24	32.24	32.29	84.0	82.1	83.8	7.02	6.82	6.97	1.21	1.11	1.16	7	5.50
	17:12		Middle	3.0	15.00	15.00	15.00	8.22	8.22	8.22	32.34	32.34	32.29	85.7	83.4	83.8	7.12	6.93	6.97	1.13	1.19	1.16	4	
03/02/2018	08:34	Fine	Middle	3.5	14.30	14.30	14.30	7.54	7.54	7.54	39.81	39.81	39.82	72.7	72.1	71.6	6.07	6.03	5.97	5.53	5.55	5.47	6	6.50
	08:36		Middle	3.5	14.30	14.30	14.30	7.54	7.54	7.54	39.82	39.82	39.82	71.3	70.3	71.6	5.95	5.84	5.97	5.47	5.34	5.47	7	
05/02/2018	11:50	Fine	Middle	4.0	14.60	14.60	14.55	8.29	8.29	8.30	31.92	31.92	31.92	87.8	88.1	88.4	7.35	7.37	7.39	3.24	3.25	3.25	6	5.50
	11:52		Middle	4.0	14.50	14.50	14.55	8.31	8.31	8.30	31.92	31.92	31.92	88.7	88.8	88.4	7.42	7.43	7.39	3.26	3.26	3.25	5	
07/02/2018	10:00	Fine	Middle	4.0	14.60	14.60	14.60	8.30	8.30	8.31	31.91	31.91	31.95	90.5	90.5	90.4	7.56	7.56	7.55	3.32	3.37	3.37	5	4.50
	10:02		Middle	4.0	14.60	14.60	14.60	8.31	8.31	8.31	31.99	31.99	31.95	90.5	90.0	90.4	7.56	7.52	7.55	3.39	3.40	3.37	4	
09/02/2018	14:59	Fine	Middle	3.5	15.40	15.40	15.45	8.11	8.11	8.12	33.10	33.10	33.10	86.1	87.8	87.9	7.03	7.16	7.17	3.41	3.17	3.15	7	6.50
	15:01		Middle	3.5	15.50	15.50	15.45	8.13	8.13	8.12	33.09	33.09	33.10	88.7	88.9	87.9	7.24	7.26	7.17	3.01	2.99	3.15	6	
12/02/2018	13:55	Fine	Middle	4.0	16.70	16.70	16.80	8.25	8.25	8.28	32.19	32.19	32.18	98.0	98.0	97.6	7.83	7.82	7.79	1.83	1.82	1.81	6	5.00
	13:57		Middle	4.0	16.90	16.90	16.80	8.30	8.30	8.28	32.16	32.16	32.18	97.1	97.3	97.6	7.75	7.76	7.79	1.80	1.80	1.81	4	
14/02/2018	17:35	Fine	Middle	3.5	16.00	16.00	16.05	8.32	8.32	8.32	32.09	32.00	32.06	93.2	93.3	93.3	7.57	7.58	7.57	2.53	2.57	2.58	3	3.50
	17:37		Middle	3.5	16.10	16.10	16.05	8.32	8.32	8.32	32.08	32.08	32.06	93.3	93.2	93.3	7.58	7.56	7.57	2.61	2.61	2.58	4	
20/02/2018	11:00	Fine	Middle	3.5	18.60	18.60	18.75	8.17	8.17	8.17	31.10	31.10	31.10	89.0	89.2	89.0	6.90	6.91	6.90	3.56	3.59	3.56	6	5.00
	11:02		Middle	3.5	18.90	18.90	18.75	8.17	8.17	8.17	31.09	31.09	31.10	89.6	88.3	89.0	6.93	6.85	6.90	3.56	3.53	3.56	4	
22/02/2018	09:50	Cloudy	Middle	4.0	16.60	16.60	16.60	8.16	8.16	8.17	31.69	31.69	31.69	84.7	84.9	85.0	6.82	6.84	6.84	2.83	2.84	2.87	6	6.00
	09:52		Middle	4.0	16.60	16.60	16.60	8.17	8.17	8.17	31.68	31.68	31.69	85.2	85.1	85.0	6.86	6.85	6.84	2.90	2.91	2.87	6	
24/02/2018	10:50	Cloudy	Middle	4.0	17.10	17.10	17.10	8.14	8.14	8.15	31.80	31.80	31.81	88.3	88.2	87.8	7.04	7.03	6.99	2.50	2.60	2.59	6	5.50
	10:52		Middle	4.0	17.10	17.10	17.10	8.16	8.16	8.15	31.82	31.82	31.81	87.5	87.3	87.8	6.95	6.94	6.99	2.62	2.63	2.59	5	
26/02/2018	13:35	Cloudy	Middle	4.0	17.30	17.30	17.30	8.10	8.10	8.12	31.73	31.73	31.73	90.4	90.7	90.5	7.18	7.20	7.19	3.94	3.89	3.96	8	7.00
	13:37		Middle	4.0	17.30	17.30	17.30	8.13	8.13	8.12	31.73	31.73	31.73	90.8	90.2	90.5	7.20	7.16	7.19	4.00	4.02	3.96	6	
28/02/2018	16:55	Fine	Middle	4.0	19.30	19.30	19.40	8.10	8.10	8.11	31.78	31.39	31.58	92.0	92.0	91.8	7.02	7.01	6.99	2.71	2.68	2.68	4	4.00
	16:57		Middle	4.0	19.50	19.50	19.40	8.11	8.11	8.11	31.77	31.38	31.58	91.7	91.5	91.8	6.98	6.96	6.99	2.66	2.65	2.68	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-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						
01/02/2018	17:20	Cloudy	Middle	3.0	15.20	15.20	15.20	8.17	8.17	8.17	29.74	29.74	29.74	82.0	82.8	82.7	6.86	6.93	6.91	14.78	14.66	14.38	7	7.50
	17:21		Middle	3.0	15.20	15.20		8.17	8.17		29.74	29.74		83.5	82.4		6.93	6.91		13.97	14.11		8	
03/02/2018	08:30	Fine	Middle	3.5	14.00	14.00	14.00	7.35	7.38	7.37	38.05	38.05	38.04	64.1	67.4	67.0	5.49	5.76	5.71	7.21	7.22	7.23	7	6.00
	08:32		Middle	3.5	14.00	14.00		7.38	7.38		38.03	38.03		68.5	68.0		5.81	5.78		7.25	7.24		5	
05/02/2018	11:45	Fine	Middle	3.5	14.50	14.50	14.40	8.27	8.27	8.27	30.58	30.58	30.58	85.4	85.4	85.6	7.27	7.23	7.26	5.01	5.01	5.01	6	5.00
	11:47		Middle	3.5	14.30	14.30		8.27	8.27		30.58	30.58		85.7	85.7		7.26	7.26		5.01	5.00		4	
07/02/2018	09:55	Fine	Middle	3.5	14.50	14.50	14.50	8.26	8.26	8.28	31.71	31.71	31.71	89.4	89.2	89.0	7.50	7.48	7.47	3.07	3.10	3.09	5	5.00
	09:57		Middle	3.5	14.50	14.50		8.30	8.30		31.71	31.71		88.8	88.6		7.45	7.43		3.10	3.10		5	
09/02/2018	14:55	Fine	Middle	3.5	15.90	15.90	16.00	8.01	8.01	8.04	33.06	33.06	33.04	97.5	99.4	98.8	7.57	8.02	7.90	2.25	2.25	2.32	7	7.50
	14:57		Middle	3.5	16.10	16.10		8.07	8.07		33.02	33.02		99.3	99.1		8.02	7.99		2.38	2.39		8	
12/02/2018	13:50	Fine	Middle	3.5	16.70	16.70	16.75	8.31	8.31	8.32	31.56	31.56	31.56	94.7	95.1	94.7	7.60	7.64	7.60	3.69	3.67	3.68	6	6.50
	13:52		Middle	3.5	16.80	16.80		8.32	8.32		31.56	31.56		94.4	94.6		7.58	7.59		3.68	3.66		7	
14/02/2018	17:30	Fine	Middle	3.5	16.30	16.30	16.35	8.30	8.30	8.30	31.45	31.45	31.45	92.9	92.9	92.9	7.52	7.52	7.52	4.26	4.26	4.32	4	4.00
	17:32		Middle	3.5	16.40	16.40		8.30	8.30		31.45	31.45		92.9	93.0		7.51	7.52		4.38	4.38		4	
20/02/2018	11:05	Fine	Middle	3.5	18.00	18.00	18.10	8.19	8.19	8.20	31.68	31.68	31.67	90.8	91.0	90.7	7.09	7.11	7.08	3.48	3.49	3.51	4	3.50
	11:07		Middle	3.5	18.20	18.20		8.20	8.20		31.65	31.65		90.5	90.3		7.07	7.05		3.52	3.54		3	
22/02/2018	09:45	Cloudy	Middle	3.5	16.70	16.70	16.75	8.13	8.13	8.13	30.29	30.29	30.29	80.3	80.4	80.4	6.50	6.51	6.51	5.07	5.12	5.12	5	5.00
	09:47		Middle	3.5	16.80	16.80		8.12	8.12		30.29	30.29		80.4	80.6		6.50	6.52		5.13	5.17		5	
24/02/2018	10:45	Cloudy	Middle	3.5	17.30	17.30	17.30	8.13	8.13	8.13	31.08	31.08	31.08	82.4	82.4	82.4	6.57	6.56	6.57	4.17	4.18	4.18	7	6.00
	10:47		Middle	3.5	17.30	17.30		8.13	8.13		31.08	31.08		82.4	82.4		6.57	6.56		4.17	4.18		5	
26/02/2018	13:30	Cloudy	Middle	3.5	17.60	17.60	17.65	8.09	8.09	8.08	29.55	29.55	29.55	78.1	78.8	78.3	6.24	6.29	6.25	6.53	6.52	6.49	10	9.50
	13:32		Middle	3.5	17.70	17.70		8.07	8.07		29.54	29.54		78.3	77.9		6.25	6.21		6.48	6.44		9	
28/02/2018	16:30	Fine	Middle	3.5	19.90	19.90	20.05	8.09	8.09	8.09	31.39	31.39	31.39	86.1	85.8	85.8	6.50	6.47	6.47	4.79	4.78	4.48	5	4.00
	16:32		Middle	3.5	20.20	20.20		8.09	8.09		31.38	31.38		85.8	85.5		6.46	6.45		4.82	3.84		3	

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				
01/02/2018	13:50	Cloudy	Middle	4.0	15.70	15.70	15.65	8.33	8.33	8.34	31.92	31.92	31.93	89.9	90.3	90.2	7.36	7.39	7.38	3.09	3.08	3.10	3	4.00
	13:52		Middle	4.0	15.60	15.60		8.34	8.34		31.93	31.93		90.4	90.1		7.40	7.37		3.11	3.11		5	
03/02/2018	13:47	Fine	Middle	3.0	15.10	15.10	15.05	8.17	8.17	8.18	32.80	32.80	32.87	87.7	87.8	88.5	7.72	7.23	7.38	5.34	5.29	5.31	6	5.50
	13:49		Middle	3.0	15.00	15.00		8.19	8.19		32.93	32.93		88.5	89.3		7.28	7.27		5.28	5.34		5	
05/02/2018	17:05	Fine	Middle	4.0	14.80	14.80	14.75	8.25	8.25	8.28	31.75	31.75	31.75	88.7	89.3	89.5	7.42	7.45	7.47	1.61	1.63	1.64	3	4.00
	17:07		Middle	4.0	14.70	14.70		8.30	8.30		31.75	31.75		90.1	90.0		7.51	7.50		1.65	1.68		5	
07/02/2018	18:25	Cloudy	Middle	4.0	14.80	14.80	14.80	8.31	8.31	8.32	31.97	31.97	31.97	91.3	91.0	91.0	7.60	7.58	7.58	4.31	4.34	4.35	5	5.50
	18:27		Middle	4.0	14.80	14.80		8.32	8.32		31.97	31.97		90.7	90.8		7.56	7.56		4.37	4.39		6	
09/02/2018	18:53	Cloudy	Middle	3.5	15.70	15.70	15.70	8.29	8.29	8.29	32.62	32.62	32.62	87.0	87.3	87.4	7.08	7.10	7.10	1.47	1.45	1.42	3	3.00
	18:54		Middle	3.5	15.70	15.70		8.29	8.29		32.62	32.62		88.3	87.0		7.13	7.07		1.36	1.40		3	
12/02/2018	22:10	Cloudy	Middle	3.5	15.70	15.70	15.70	8.24	8.24	8.24	32.31	32.31	32.31	81.5	82.7	82.0	6.78	6.88	6.85	2.44	2.21	2.34	2	3.00
	22:11		Middle	3.5	15.70	15.70		8.24	8.24		32.31	32.31		82.9	81.0		6.99	6.75		2.39	2.30		4	
15/02/2018	21:25	Cloudy	Middle	3.5	16.50	16.50	16.50	8.28	8.28	8.28	32.61	32.61	32.61	82.9	84.5	84.1	6.64	6.76	6.73	1.21	1.28	1.29	6	4.50
	21:26		Middle	3.5	16.50	16.50		8.28	8.28		32.61	32.61		84.8	84.0		6.79	6.73		1.31	1.35		3	
20/02/2018	13:50	Cloudy	Middle	4.0	18.70	18.70	18.80	8.17	8.17	8.17	31.82	31.82	31.80	91.0	90.9	90.9	6.99	6.97	6.97	1.34	1.33	1.31	3	2.50
	13:52		Middle	4.0	18.90	18.90		8.17	8.17		31.78	31.78		91.5	90.2		7.01	6.90		1.30	1.27		2	
22/02/2018	17:40	Cloudy	Middle	3.5	16.30	16.30	16.25	8.22	8.22	8.22	31.85	31.85	31.85	88.1	88.4	88.3	7.13	7.15	7.14	7.22	7.21	4.72	5	5.50
	17:42		Middle	3.5	16.20	16.20		8.22	8.22		31.84	31.84		88.4	88.2		7.15	7.14		2.22	2.23		6	
24/02/2018	20:32	Cloudy	Middle	3.0	17.20	17.20	17.20	8.09	8.09	8.09	32.31	32.31	32.31	82.8	83.1	83.5	6.55	6.57	6.60	1.71	1.76	1.67	<2	2.00
	20:33		Middle	3.0	17.20	17.20		8.09	8.09		32.31	32.31		84.2	84.0		6.65	6.64		1.62	1.60		2	
26/02/2018	18:56	Cloudy	Middle	3.0	17.00	17.00	17.00	8.11	8.11	8.11	32.27	32.27	32.27	88.0	88.1	87.5	6.98	6.99	6.94	1.86	1.73	1.88	4	5.00
	18:57		Middle	3.0	17.00	17.00		8.11	8.11		32.27	32.27		86.9	87.0		6.89	6.91		2.02	1.91		6	
28/02/2018	21:42	Fine	Middle	3.5	20.20	20.20	20.20	8.09	8.09	8.09	32.23	32.23	32.23	80.8	82.9	82.4	6.16	6.33	6.28	1.41	1.32	1.35	5	6.50
	21:43		Middle	3.5	20.20	20.20		8.09	8.09		32.23	32.23		83.3	82.7		6.36	6.27		1.36	1.30		8	

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



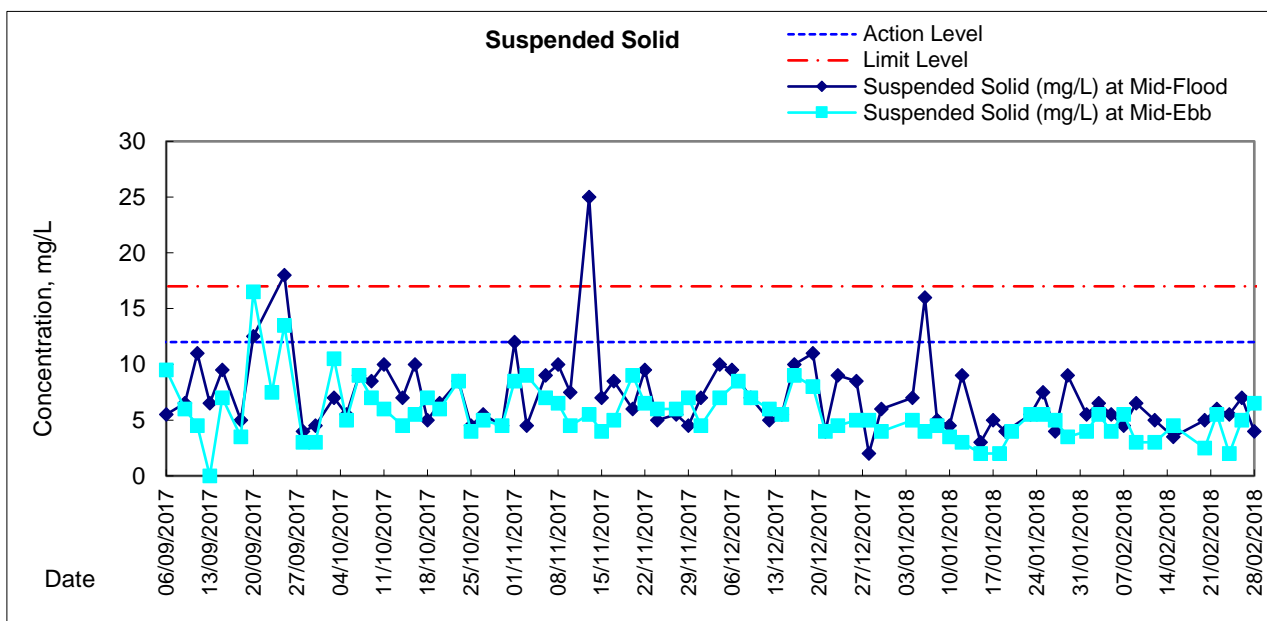
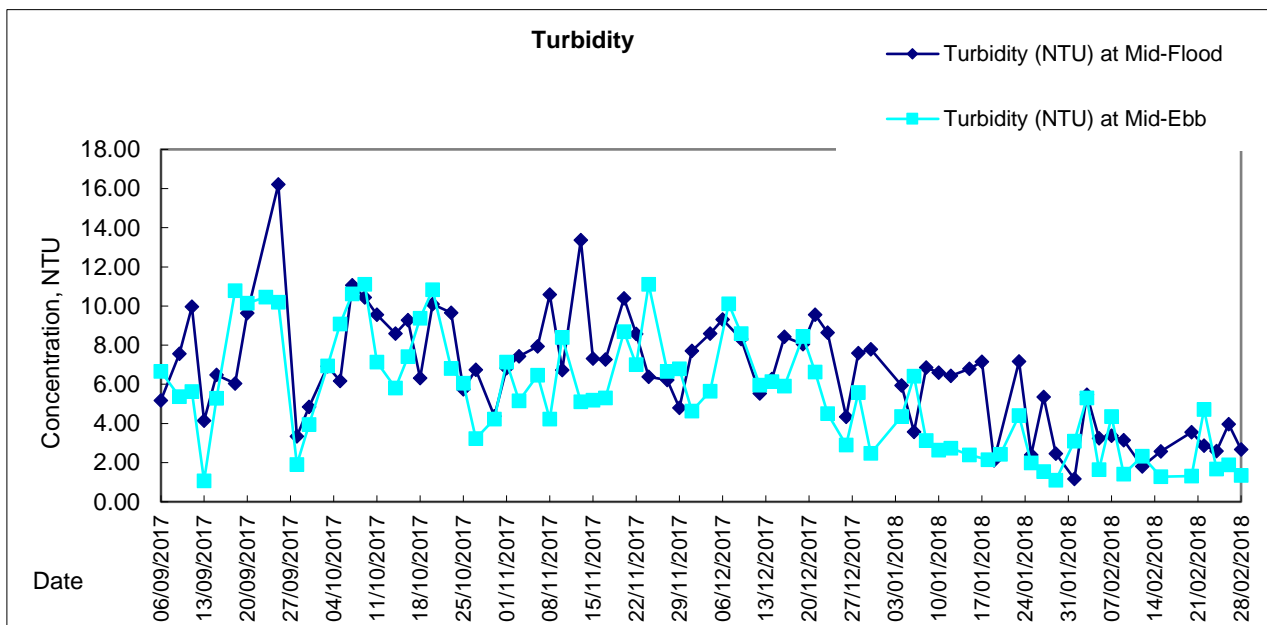
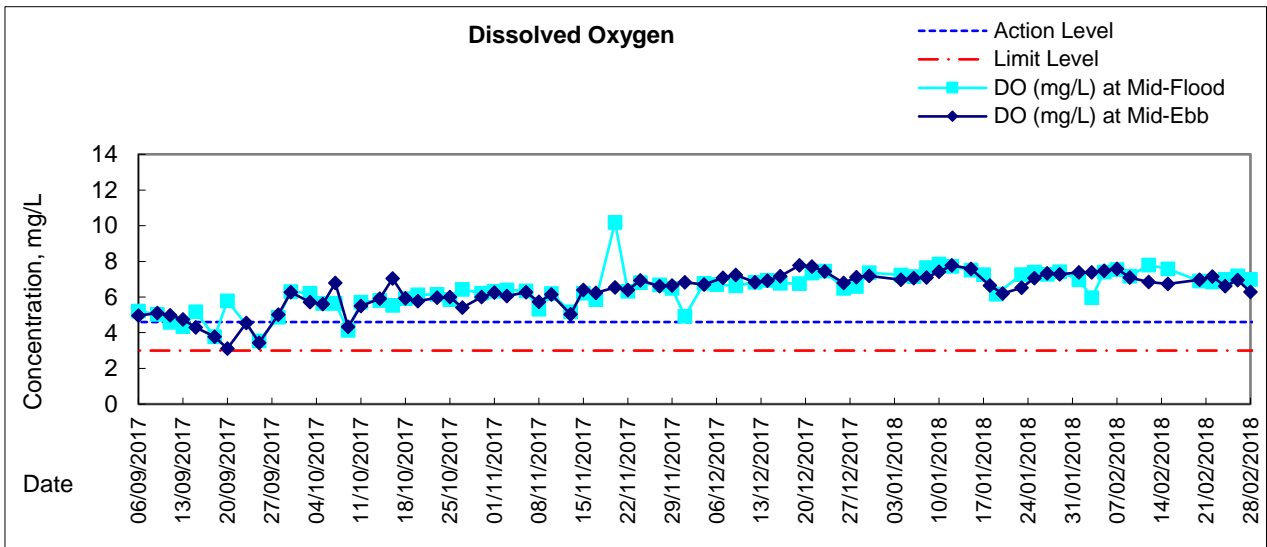
**Water Monitoring Result at Culvert J - Reference Station
Mid-Ebb Tide**

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				
01/02/2018	13:45	Cloudy	Middle	4	15.40	15.40	15.40	8.31	8.31	8.32	31.64	31.64	31.64	91.4	90.9	91.1	7.53	7.49	7.51	3.54	3.53	3.53	2	3.00
	13:47		Middle	4	15.40	15.40		8.33	8.33		31.64	31.64		91.1	91.0		7.51	7.50		3.52	3.52		4	
03/02/2018	13:43	Fine	Middle	3	15.20	15.20	15.15	8.13	8.13	8.15	32.28	32.28	32.28	82.9	81.9	81.5	6.78	6.72	6.70	3.97	3.94	3.92	2	3.00
	13:45		Middle	3	15.10	15.10		8.17	8.17		32.27	32.27		80.6	80.4		6.65	6.64		3.90	3.86		4	
05/02/2018	17:00	Fine	Middle	4	14.90	14.90	14.90	8.29	8.29	8.27	27.15	27.15	27.16	78.0	78.4	78.0	6.67	6.70	6.67	11.09	11.17	11.19	7	7.50
	17:02		Middle	4	14.90	14.90		8.25	8.25		27.16	27.16		77.9	77.6		6.66	6.64		11.23	11.27		8	
07/02/2018	18:20	Cloudy	Middle	4	15.00	15.00	15.00	8.28	8.28	8.28	30.24	30.24	30.25	86.7	87.0	86.8	7.26	7.29	7.27	6.69	6.73	6.68	5	6.00
	18:22		Middle	4	15.00	15.00		8.28	8.28		30.25	30.25		86.7	86.7		7.26	7.26		6.71	6.59		7	
09/02/2018	18:58	Cloudy	Middle	3	15.80	15.80	15.80	8.17	8.17	8.17	30.05	30.05	30.05	79.6	80.0	80.4	6.56	6.60	6.63	7.72	7.84	7.89	5	5.00
	18:59		Middle	3	15.80	15.80		8.17	8.17		30.05	30.05		81.6	80.5		6.73	6.64		7.97	8.03		5	
12/02/2018	22:17	Cloudy	Middle	3	15.40	15.40	15.40	7.57	7.55	7.56	24.80	24.80	24.80	12.7	13.1	13.3	1.11	1.15	1.16	8.47	8.54	8.39	10	9.00
	22:18		Middle	3	15.40	15.40		7.55	7.55		24.80	24.80		13.5	13.8		1.18	1.21		8.24	8.30		8	
15/02/2018	21:33	Cloudy	Middle	3	16.70	16.70	16.70	7.94	7.93	7.93	29.33	29.33	29.33	59.7	60.6	59.9	4.86	4.94	4.88	1.69	1.73	1.77	8	8.00
	21:34		Middle	3	16.70	16.70		7.92	7.92		29.33	29.33		59.8	59.3		4.87	4.83		1.88	1.76		8	
20/02/2018	13:55	Cloudy	Middle	4	18.60	18.60	18.75	8.18	8.18	8.18	31.42	31.42	31.42	86.6	86.9	86.3	6.70	6.72	6.67	2.35	2.40	2.41	7	6.00
	13:57		Middle	4	18.90	18.90		8.17	8.17		31.41	31.41		85.8	85.7		6.63	6.62		2.46	2.43		5	
22/02/2018	17:35	Cloudy	Middle	4	16.20	16.20	16.20	8.21	8.21	8.21	31.78	31.78	31.78	87.7	87.9	87.7	7.10	7.12	7.10	1.77	1.77	1.76	5	4.00
	17:37		Middle	4	16.20	16.20		8.21	8.21		31.78	31.78		87.8	87.2		7.12	7.07		1.75	1.73		3	
24/02/2018	20:39	Cloudy	Middle	3	17.30	17.30	17.30	7.91	7.91	7.91	29.50	29.50	29.50	72.6	72.6	72.8	5.84	5.84	5.85	3.80	3.48	3.53	3	3.00
	20:40		Middle	3	17.30	17.30		7.91	7.91		29.50	29.50		72.9	73.1		5.86	5.87		3.56	3.26		3	
26/02/2018	19:02	Cloudy	Middle	3	16.90	16.90	16.90	8.08	8.08	8.08	31.67	31.67	31.67	80.1	80.6	80.8	6.41	6.44	6.46	2.39	2.41	2.51	6	6.50
	19:02		Middle	3	16.90	16.90		8.08	8.08		31.67	31.67		81.3	81.1		6.50	6.49		2.55	2.69		7	
28/02/2018	21:50	Fine	Middle	3	20.10	20.10	20.10	7.63	7.61	7.61	26.27	26.27	26.27	13.6	13.6	13.7	1.07	1.07	1.08	16.11	16.23	16.32	10	12.50
	21:51		Middle	3	20.10	20.10		7.60	7.60		26.27	26.27		13.7	13.8		1.08	1.09		16.58	16.36		15	

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





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

