



**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	Value	Average					
02/05/2019	16:45	Cloudy	Middle	4.0	24.10	24.10	24.10	7.66	7.66	7.67	31.35	31.35	31.35	96.5	96.5	96.3	6.78	6.77	6.76	6.16	6.15	6.15	5	5.00
	16:47		Middle	4.0	24.10	24.10		7.67	7.67		31.35	31.35		96.2	96.0		6.75	6.74		6.14	6.16		5	
04/05/2019	05:07	Cloudy	Middle	3.0	23.20	23.20	23.20	7.65	7.65	7.65	31.85	31.85	31.85	86.7	87.6	87.7	6.17	6.24	6.25	7.55	7.53	7.56	5	5.50
	05:08		Middle	3.0	23.20	23.20		7.65	7.65		31.85	31.85		89.8	86.8		6.39	6.18		7.61	7.56		6	
06/05/2019	19:00	Cloudy	Middle	3.0	20.20	20.20	20.20	7.68	7.68	7.68	30.81	30.81	30.81	91.9	89.9	90.3	6.93	6.78	6.81	5.68	5.66	5.75	7	7.50
	19:01		Middle	3.0	20.20	20.20		7.68	7.68		30.81	30.81		89.0	90.4		6.72	6.82		5.81	5.83		8	
08/05/2019	18:55	Cloudy	Middle	3.0	21.80	21.80	21.80	7.41	7.41	7.41	31.36	31.36	31.36	89.6	88.3	87.6	6.55	6.46	6.41	9.71	9.45	9.62	8	8.00
	18:56		Middle	3.0	21.80	21.80		7.41	7.41		31.36	31.36		87.3	85.2		6.40	6.23		9.66	9.67		8	
10/05/2019	08:30	Cloudy	Middle	4.0	23.80	23.80	23.80	7.45	7.45	7.47	31.81	31.81	31.81	91.5	91.5	91.3	6.44	6.43	6.42	6.81	6.78	6.80	7	6.50
	08:32		Middle	4.0	23.80	23.80		7.48	7.48		31.81	31.81		91.1	91.0		6.41	6.40		6.79	6.80		6	
14/05/2019	12:55	Fine	Middle	3.5	26.40	26.40	26.45	7.28	7.28	7.29	31.68	31.68	31.68	96.3	97.1	96.5	5.48	5.53	5.48	7.00	7.02	6.99	10	9.50
	12:57		Middle	3.5	26.50	26.50		7.29	7.29		31.68	31.68		96.2	96.4		5.42	5.48		6.98	6.97		9	
16/05/2019	14:55	Fine	Middle	3.5	26.50	26.50	26.60	7.62	7.62	7.63	31.20	31.20	31.20	97.3	97.6	97.1	6.54	6.56	6.52	10.84	10.83	10.85	11	11.00
	14:57		Middle	3.5	26.70	26.70		7.63	7.63		31.20	31.20		96.8	96.5		6.50	6.48		10.87	10.86		11	
18/05/2019	16:20	Fine	Middle	3.5	27.20	27.20	27.30	7.49	7.49	7.50	29.77	29.77	29.78	93.9	93.6	94.0	6.28	6.27	6.29	3.62	3.60	3.59	6	5.50
	16:22		Middle	3.5	27.40	27.40		7.50	7.50		29.78	29.78		94.3	94.0		6.32	6.29		3.58	3.57		5	
20/05/2019	19:30	Cloudy	Middle	3.0	26.80	26.80	26.80	8.18	8.18	8.18	30.51	30.51	30.51	87.2	89.7	87.6	5.87	6.05	5.90	4.28	4.31	4.23	4	4.00
	19:31		Middle	3.0	26.80	26.80		8.18	8.18		30.51	30.51		87.6	86.0		5.90	5.77		4.19	4.12		4	
22/05/2019	20:04	Cloudy	Middle	3.0	24.90	24.90	24.90	7.88	7.88	7.88	31.33	31.33	31.33	86.7	87.4	88.3	6.01	6.06	6.12	4.59	4.72	4.77	5	5.00
	20:05		Middle	3.0	24.90	24.90		7.88	7.88		31.33	31.33		89.2	89.7		6.18	6.22		4.85	4.90		5	
24/05/2019	08:00	Cloudy	Middle	4.0	25.70	25.70	25.75	7.41	7.41	7.42	31.87	31.87	31.87	95.8	95.0	95.5	6.50	6.47	6.49	6.62	6.63	6.61	5	5.00
	08:02		Middle	4.0	25.80	25.80		7.42	7.42		31.87	31.87		95.6	95.6		6.50	6.50		6.60	6.60		5	
29/05/2019	03:12	Cloudy	Middle	3.5	25.30	25.30	25.30	7.95	7.95	7.95	29.91	29.91	29.91	75.1	78.2	78.0	5.21	5.49	5.43	4.00	3.99	3.98	9	8.50
	03:13		Middle	3.5	25.30	25.30		7.95	7.95		29.91	29.91		79.5	79.1		5.52	5.49		3.97	3.95		8	
30/05/2019	16:15	Cloudy	Middle	4.0	25.80	25.80	25.85	7.37	7.37	7.38	31.75	31.75	31.75	95.5	95.4	95.5	6.49	6.49	6.49	4.17	4.08	4.12	7	6.50
	16:17		Middle	4.0	25.90	25.90		7.39	7.39		31.75	31.75		95.8	95.2		6.51	6.47		4.10	4.12		6	

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					
02/05/2019	16:40	Cloudy	Middle	3.5	24.40	24.40	24.45	7.64	7.64	7.65	31.48	31.48	31.48	88.2	88.5	88.5	6.15	6.17	6.18	6.61	6.57	6.34	6	5.50
	16:42		Middle	3.5	24.50	24.50		7.65	7.65		31.48	31.48		88.7	88.7		6.19	6.19		6.60	6.58		5	
04/05/2019	05:16	Cloudy	Middle	2.5	23.20	23.20	23.20	7.71	7.71	7.71	30.78	30.78	30.78	88.2	84.9	88.1	6.31	6.08	6.31	9.13	9.15	9.24	6	6.00
	05:17		Middle	2.5	23.20	23.20		7.71	7.71		30.78	30.78		91.2	88.2		6.53	6.32		9.29	9.40		6	
06/05/2019	19:15	Cloudy	Middle	2.5	20.30	20.30	20.30	7.42	7.42	7.42	31.65	31.65	31.65	89.9	84.2	87.9	6.75	6.32	6.60	8.22	8.15	8.16	6	6.50
	19:16		Middle	2.5	20.30	20.30		7.42	7.42		31.65	31.65		87.7	89.8		6.59	6.74		8.18	8.10		7	
08/05/2019	19:06	Cloudy	Middle	2.5	21.80	21.80	21.80	7.44	7.44	7.44	29.54	29.54	29.54	87.2	87.0	88.2	6.45	6.44	6.52	11.43	11.39	11.44	8	8.00
	19:07		Middle	2.5	21.80	21.80		7.44	7.44		29.54	29.54		89.9	88.5		6.65	6.55		11.41	11.54		8	
10/05/2019	08:25	Cloudy	Middle	3.5	23.90	23.90	23.90	7.43	7.43	7.44	28.82	28.82	28.83	83.3	83.2	83.2	5.95	5.94	5.94	5.47	5.56	5.50	6	6.50
	08:27		Middle	3.5	23.90	23.90		7.44	7.44		28.83	28.83		83.3	83.0		5.95	5.92		5.48	5.47		7	
14/05/2019	12:50	Fine	Middle	3.5	27.40	27.40	27.45	7.16	7.16	7.17	28.53	28.53	28.53	93.6	93.9	93.9	6.31	6.34	6.34	5.06	5.04	5.03	8	8.50
	12:52		Middle	3.5	27.50	27.50		7.17	7.17		28.53	28.51		94.0	94.2		6.34	6.36		5.01	5.00		9	
16/05/2019	14:50	Fine	Middle	3.5	27.50	27.50	27.55	7.60	7.60	7.61	29.55	29.58	29.55	96.3	98.1	96.7	6.43	6.41	6.41	8.88	8.86	8.87	9	8.50
	14:52		Middle	3.5	27.60	27.60		7.61	7.61		29.54	29.54		96.2	96.0		6.41	6.40		8.87	8.85		8	
18/05/2019	16:15	Fine	Middle	3.5	28.00	28.00	28.00	7.48	7.48	7.49	27.66	27.66	27.66	97.1	96.9	96.2	6.50	6.48	6.47	5.63	5.64	5.61	6	6.00
	16:17		Middle	3.5	28.00	28.00		7.49	7.49		27.66	27.66		94.7	96.2		6.46	6.43		5.58	5.59		6	
20/05/2019	19:40	Cloudy	Middle	2.5	29.90	26.90	27.65	8.21	8.21	8.21	29.96	29.96	29.96	87.8	87.3	86.9	5.93	5.89	5.87	10.95	10.99	11.11	12	11.50
	19:41		Middle	2.5	26.90	26.90		8.21	8.21		29.96	29.96		85.4	87.2		5.76	5.89		11.21	11.30		11	
22/05/2019	20:13	Cloudy	Middle	2.5	25.00	25.00	25.00	7.94	7.94	7.94	29.78	29.78	29.78	84.4	85.2	85.0	5.89	5.94	5.93	8.08	7.97	7.97	9	8.50
	20:14		Middle	2.5	25.00	25.00		7.94	7.94		29.78	29.78		86.0	84.2		6.00	5.88		7.89	7.93		8	
24/05/2019	07:55	Cloudy	Middle	3.5	25.20	25.20	25.25	7.48	7.48	7.49	31.29	31.29	31.29	94.2	93.9	94.2	6.49	6.47	6.49	6.81	6.80	6.80	6	6.50
	07:57		Middle	3.5	25.30	25.30		7.50	7.50		31.29	31.29		94.3	94.4		6.49	6.50		6.80	6.80		7	
29/05/2019	03:18	Cloudy	Middle	3.0	25.30	25.30	25.30	7.99	7.99	7.99	27.05	27.05	27.05	78.6	77.7	77.1	5.54	5.48	5.43	5.41	5.39	5.36	4	4.50
	03:19		Middle	3.0	25.30	25.30		7.99	7.99		27.05	27.05		75.9	76.0		5.33	5.36		5.33	5.29		5	
30/05/2019	16:10	Cloudy	Middle	3.5	25.40	25.40	25.45	7.43	7.43	7.43	31.64	31.64	31.65	87.5	87.8	87.9	5.94	6.02	6.01	5.31	5.40	5.36	7	6.50
	16:12		Middle	3.5	25.50	25.50		7.43	7.43		31.65	31.65		88.1	88.2		6.03	6.04		5.38	5.35		6	

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				
02/05/2019	10:10	Cloudy	Middle	4.0	24.10	24.10	24.15	7.47	7.47	7.48	30.77	30.77	30.77	92.8	92.7	92.3	6.53	6.53	6.50	2.27	2.27	2.27	<2	<2
	10:12		Middle	4.0	24.20	24.20		7.48	7.48		30.76	30.76		91.8	91.9		6.46	6.47		2.26	2.26		<2	
04/05/2019	13:20	Cloudy	Middle	3.5	23.90	23.90	23.90	7.16	7.16	7.19	31.71	31.71	31.71	93.8	94.9	94.3	6.58	6.67	6.63	8.75	8.80	8.71	5	5.50
	13:22		Middle	3.5	23.90	23.90		7.22	7.22		31.70	31.70		94.3	94.3		6.63	6.62		8.64	8.65		6	
06/05/2019	14:05	Cloudy	Middle	3.5	23.80	23.80	23.80	7.65	7.65	7.65	31.74	31.74	31.75	94.8	94.9	94.9	6.68	6.69	6.69	5.21	5.21	5.22	6	5.50
	14:07		Middle	3.5	23.80	23.80		7.65	7.65		31.75	31.75		94.9	95.1		6.68	6.70		5.23	5.21		5	
08/05/2019	15:05	Cloudy	Middle	3.5	22.40	22.40	22.40	7.43	7.43	7.46	32.74	32.74	32.76	89.6	89.0	89.3	6.43	6.39	6.41	7.34	7.37	7.36	11	11.50
	15:07		Middle	3.5	22.40	22.40		7.49	7.49		32.77	32.77		89.1	89.4		6.40	6.42		7.36	7.35		12	
10/05/2019	15:35	Cloudy	Middle	4.0	24.90	24.90	24.90	7.31	7.31	7.31	31.35	31.35	31.35	90.6	90.3	90.2	6.24	6.24	6.23	5.00	5.01	5.02	4	4.00
	15:37		Middle	4.0	24.90	24.90		7.31	7.31		31.35	31.35		89.1	90.7		6.16	6.27		5.03	5.03		4	
14/05/2019	19:30	Cloudy	Middle	3.5	26.30	26.30	26.30	8.04	8.04	8.04	31.91	31.91	31.91	89.5	88.5	88.5	5.70	5.60	5.61	7.33	7.29	7.28	7	6.50
	19:31		Middle	3.5	26.30	26.30		8.04	8.04		31.91	31.91		88.1	88.0		5.57	5.56		7.24	7.27		6	
16/05/2019	10:05	Fine	Middle	3.5	27.00	27.00	27.05	7.26	7.26	7.26	31.26	31.26	31.26	97.4	97.3	96.9	6.50	6.49	6.46	10.61	10.64	10.63	11	11.00
	10:07		Middle	3.5	27.10	27.10		7.26	7.26		31.25	31.25		96.3	96.5		6.42	6.43		10.61	10.66		11	
18/05/2019	11:35	Fine	Middle	3.5	27.60	27.60	27.65	7.15	7.15	7.18	29.40	29.40	29.40	95.0	95.1	95.3	6.34	6.35	6.36	5.44	5.37	5.39	8	8.00
	11:37		Middle	3.5	27.70	27.70		7.20	7.20		29.40	29.40		95.4	95.6		6.37	6.38		5.36	5.37		8	
20/05/2019	12:15	Fine	Middle	4.0	27.70	27.70	27.80	7.49	7.49	7.50	29.79	29.79	29.81	97.4	96.8	97.1	6.48	6.43	6.45	1.69	1.69	1.69	3	3.00
	12:17		Middle	4.0	27.90	27.90		7.50	7.50		29.82	29.82		97.1	97.1		6.44	6.44		1.69	1.68		<2	
22/05/2019	14:15	Fine	Middle	3.5	26.90	26.90	26.95	7.44	7.44	7.45	30.81	30.81	30.81	97.5	97.8	97.6	6.56	6.59	6.56	4.46	4.46	4.47	2	2.00
	14:17		Middle	3.5	27.00	27.00		7.45	7.45		30.81	30.81		97.6	97.6		6.54	6.54		4.47	4.48		2	
24/05/2019	16:40	Cloudy	Middle	3.5	25.20	25.20	25.25	7.65	7.65	7.66	31.60	31.60	31.61	93.3	93.5	93.2	6.41	6.42	6.41	4.97	4.99	4.99	5	5.00
	16:42		Middle	3.5	25.30	25.30		7.66	7.66		31.61	31.61		93.1	93.0		6.40	6.39		4.99	5.01		5	
28/05/2019	19:18	Cloudy	Middle	3.0	25.30	25.30	25.30	7.92	7.92	7.92	29.90	29.90	29.90	78.1	79.9	79.1	5.42	5.54	5.49	3.50	3.60	3.59	6	5.50
	19:19		Middle	3.0	25.30	25.30		7.92	7.92		29.90	29.90		79.4	78.9		5.51	5.47		3.62	3.64		5	
30/05/2019	09:50	Cloudy	Middle	4.0	25.00	25.00	25.00	7.17	7.17	7.18	31.96	31.96	31.96	95.0	95.4	95.3	6.55	6.57	6.56	7.19	7.18	7.20	5	4.50
	09:52		Middle	4.0	25.00	25.00		7.18	7.18		31.96	31.96		95.1	95.5		6.55	6.58		7.21	7.21		4	

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



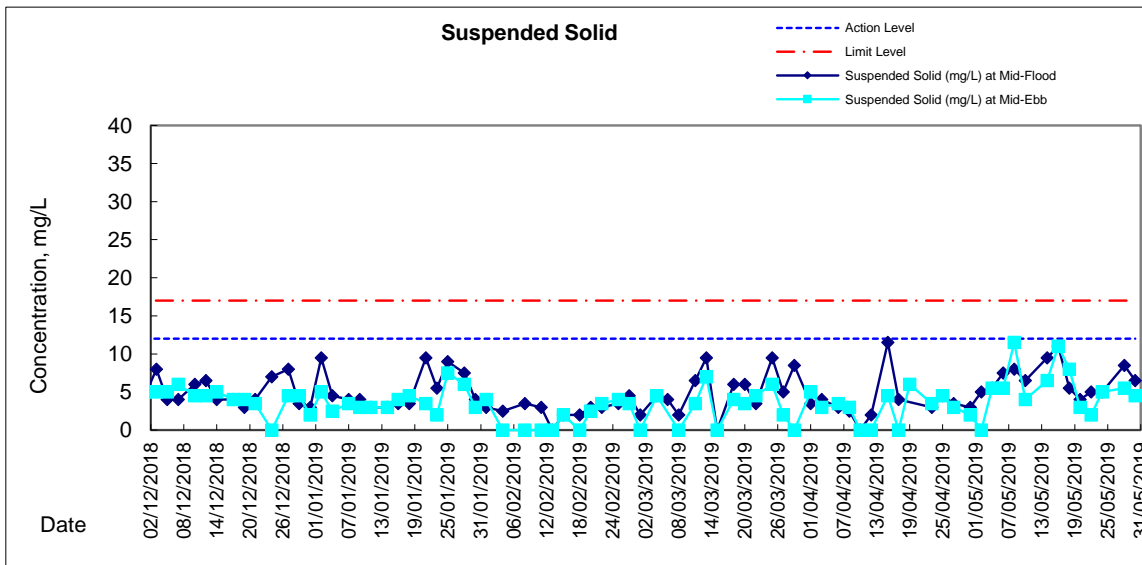
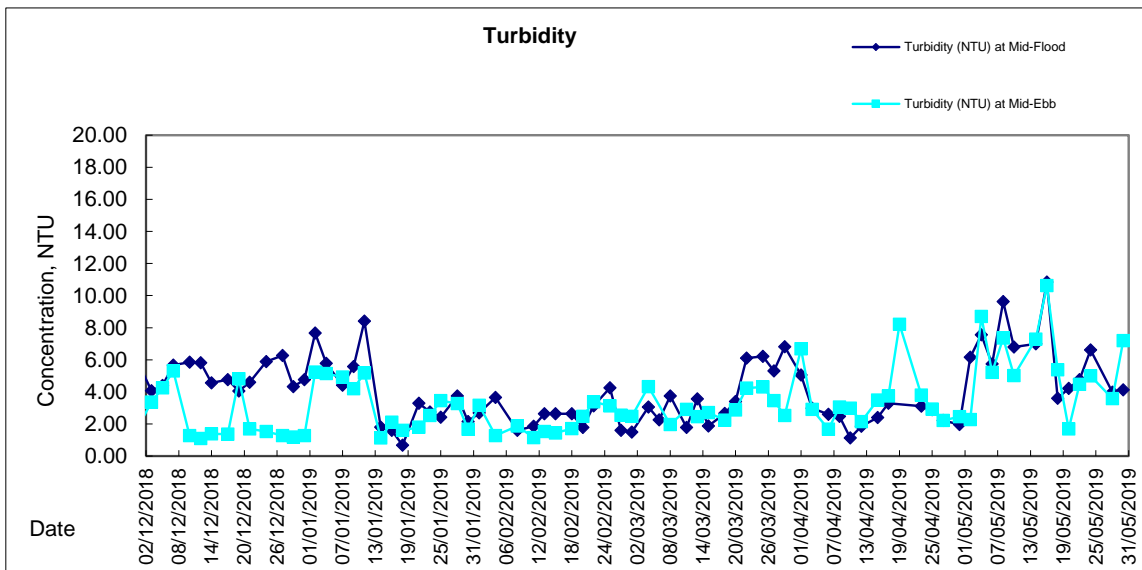
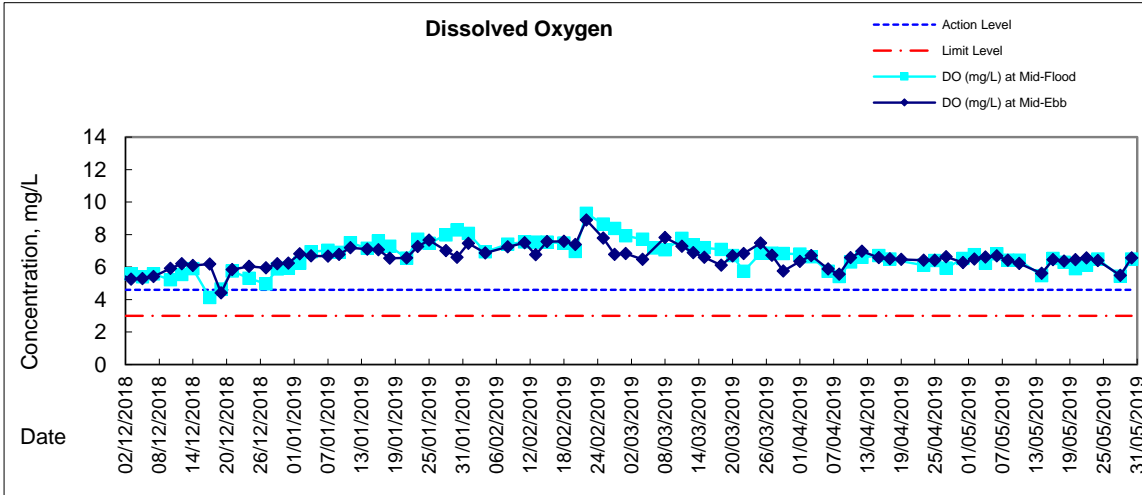
**Water Monitoring Result at Culvert J - Reference Station
Mid-Ebb Tide**

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				
02/05/2019	10:00	Cloudy	Middle	4	24.60	24.60	24.65	7.34	7.34	7.35	30.34	30.34	30.35	83.6	83.8	83.5	5.85	5.85	5.84	2.34	2.34	2.35	3	2.50
	10:05		Middle	4	24.70	24.70		7.35	7.35		30.35	30.35		83.4	83.2		5.84	5.82		2.35	2.35		2	
04/05/2019	13:15	Cloudy	Middle	4	24.10	24.10	24.15	7.09	7.09	7.09	30.83	30.83	30.83	94.2	94.0	93.7	6.63	6.61	6.59	12.00	12.04	11.99	13	13.50
	13:17		Middle	4	24.20	24.20		7.08	7.08		30.82	30.82		93.4	93.2		6.57	6.56		11.96	11.97		14	
06/05/2019	14:00	Cloudy	Middle	4	23.90	23.90	23.90	7.63	7.63	7.63	27.96	27.96	27.96	87.8	88.1	88.1	6.31	6.33	6.33	6.64	6.63	6.62	5	5.50
	14:02		Middle	4	23.90	23.90		7.63	7.62		27.96	27.96		88.2	88.3		6.34	6.35		6.62	6.60		6	
08/05/2019	15:00	Cloudy	Middle	4	22.50	22.50	22.50	7.53	7.53	7.54	32.58	32.58	32.59	88.3	88.6	88.9	6.34	6.36	6.88	10.66	10.64	10.63	9	8.50
	15:02		Middle	4	22.50	22.50		7.54	7.54		32.59	32.59		88.9	89.6		6.39	6.43		10.63	10.60		8	
10/05/2019	15:30	Cloudy	Middle	4	25.10	25.10	25.15	7.08	7.08	7.09	30.76	30.76	30.76	92.9	92.9	93.0	6.41	6.40	6.41	4.32	4.29	4.27	6	5.50
	15:32		Middle	4	25.20	25.20		7.09	7.09		30.76	30.76		93.0	93.1		6.42	6.42		4.26	4.20		5	
14/05/2019	19:38	Cloudy	Middle	3	26.40	26.40	26.40	8.05	8.05	8.05	28.07	28.07	28.07	85.8	83.8	84.2	5.53	5.40	5.43	23.88	23.96	23.70	6	6.00
	19:39		Middle	3	26.40	26.40		8.05	8.05		28.07	28.07		83.6	83.4		5.39	5.38		23.92	23.03		6	
16/05/2019	10:00	Fine	Middle	4	27.80	27.80	27.85	7.12	7.12	7.13	27.72	27.72	27.72	94.4	94.8	94.0	6.34	6.37	6.31	7.36	7.37	7.37	7	7.00
	10:02		Middle	4	27.90	27.90		7.13	7.13		27.72	27.72		93.1	93.7		6.25	6.29		7.38	7.38		7	
18/05/2019	11:30	Fine	Middle	4	27.40	27.40	27.45	7.07	7.07	7.08	28.41	28.41	28.41	93.6	93.7	93.4	6.31	6.32	6.29	2.99	2.98	2.98	4	3.50
	11:32		Middle	4	27.50	27.50		7.09	7.09		28.40	28.40		93.2	93.2		6.26	6.28		2.97	2.97		3	
20/05/2019	12:10	Fine	Middle	4	28.60	28.60	28.70	7.43	7.43	7.44	27.56	27.56	27.57	95.5	95.4	95.3	6.31	6.29	6.28	2.54	2.54	2.49	3	2.50
	12:12		Middle	4	28.80	28.80		7.45	7.45		27.58	27.58		94.9	95.5		6.24	6.28		2.45	2.42		2	
22/05/2019	14:10	Fine	Middle	4	27.60	27.60	27.70	7.31	7.31	7.32	30.00	30.00	30.00	95.3	97.2	97.2	6.33	6.46	6.46	4.03	4.03	4.04	<2	<2
	14:12		Middle	4	27.80	27.80		7.32	7.32		30.00	30.00		98.1	98.3		6.52	6.53		4.02	4.06		<2	
24/05/2019	16:35	Cloudy	Middle	4	25.30	25.30	25.35	7.57	7.57	7.59	31.72	31.72	31.73	93.4	93.0	93.1	6.40	6.37	6.38	5.48	5.50	5.52	7	6.50
	16:37		Middle	4	25.40	25.40		7.61	7.61		31.73	31.73		93.6	92.2		6.42	6.32		5.53	5.57		6	
28/05/2019	19:24	Cloudy	Middle	3	25.40	25.40	25.40	7.99	7.99	7.99	27.18	27.18	27.18	76.8	79.4	78.7	5.40	5.59	5.54	4.00	3.95	3.96	5	5.50
	19:25		Middle	3	25.40	25.40		7.99	7.99		27.18	27.18		79.6	78.9		5.61	5.56		3.89	3.98		6	
30/05/2019	09:45	Cloudy	Middle	4	25.40	25.40	25.40	7.04	7.04	7.05	28.90	28.90	28.90	87.1	88.0	87.5	6.06	6.13	6.09	9.15	9.18	9.17	3	3.00
	09:47		Middle	4	25.40	25.40		7.05	7.05		28.90	28.90		87.5	87.2		6.09	6.06		9.17	9.16		3	

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

