



**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.



**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	Value	Average	Value	Average	
01/06/2019	18:05	Fine	Middle	4.0	26.60	26.60	26.70	7.38	7.38	7.39	30.35	30.35	30.35	92.9	92.9	93.4	6.27	6.27	6.30	4.96	4.97	4.94	5	4.50
	18:07		Middle	4.0	26.80	26.80		7.39	7.39		30.34	30.34		93.8	94.0		6.33	6.34		4.91	4.92		4	
03/06/2019	18:35	Cloudy	Middle	3.0	28.30	28.30	28.30	7.89	7.89	7.89	29.52	29.52	29.52	88.6	89.3	87.8	5.67	5.72	5.66	4.18	4.25	4.15	16	<u>16.00</u>
	18:36		Middle	3.0	28.30	28.30		7.89	7.89		29.52	29.52		86.7	86.5		5.63	5.61		4.10	4.07		16	
05/06/2019	004:30	Cloudy	Middle	3.5	26.70	26.70	26.70	7.95	7.95	7.95	29.03	29.03	29.03	76.8	76.9	78.1	5.28	5.30	5.34	3.65	3.55	3.55	<2	<2
	04:31		Middle	3.5	26.70	26.70		7.95	7.95		29.03	29.03		79.7	79.0		5.42	5.37		3.52	3.48		<2	
08/06/2019	07:40	Fine	Middle	4.0	27.10	27.10	27.15	7.08	7.08	7.09	29.24	29.24	29.24	94.4	94.0	93.8	6.26	6.23	6.21	3.53	3.46	3.48	5	5.50
	07:42		Middle	4.0	27.20	27.20		7.09	7.09		29.23	29.23		93.1	93.5		6.17	6.19		3.48	3.46		6	
10/06/2019	10:50	Cloudy	Middle	4.0	28.50	28.50	28.55	7.33	7.33	7.35	27.14	27.14	27.14	96.9	96.7	96.3	6.46	6.44	6.41	3.53	3.54	3.54	4	3.50
	10:52		Middle	4.0	28.60	28.60		7.36	7.36		27.14	27.14		95.6	95.9		6.36	6.38		3.52	3.56		3	
12/06/2019	-	-	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
14/06/2019	17:15	Fine	Middle	4.0	28.40	28.40	28.45	7.32	7.32	7.33	27.99	27.99	27.99	88.8	89.4	89.9	5.91	5.94	5.98	2.71	2.72	2.74	6	5.00
	17:17		Middle	4.0	28.50	28.50		7.33	7.33		27.99	27.99		90.7	90.7		6.03	6.03		2.71	2.80		4	
17/06/2019	20:26	Cloudy	Middle	3.5	26.80	26.80	26.80	8.11	8.11	8.11	31.15	31.15	31.15	82.8	85.1	83.5	5.29	5.44	5.35	9.84	9.27	9.66	16	<u>16.50</u>
	20:27		Middle	3.5	26.80	26.80		8.11	8.11		31.15	31.15		84.3	81.7		5.43	5.22		9.91	9.61		17	
19/06/2019	05:15	Cloudy	Middle	3.0	27.10	27.10	27.10	8.05	8.05	8.05	28.92	28.92	28.92	85.1	83.9	84.2	5.76	5.67	5.70	7.12	7.30	7.04	8	8.50
	05:16		Middle	3.0	27.10	27.10		8.05	8.05		28.92	28.92		83.4	84.5		5.65	5.72		6.83	6.91		9	
21/06/2019	16:05	Cloudy	Middle	3.0	29.10	29.10	29.10	8.13	8.13	8.13	26.63	26.63	26.63	93.3	96.4	94.1	6.19	6.39	6.24	7.23	7.54	7.48	5	4.50
	19:06		Middle	3.0	29.10	29.10		8.13	8.13		26.63	26.63		94.0	92.5		6.26	6.13		7.71	7.44		4	
24/06/2019	09:10	Cloudy	Middle	4.0	28.70	28.70	28.75	7.53	7.53	7.56	24.55	24.50	24.53	89.2	89.5	89.6	6.02	6.04	6.05	5.13	5.13	5.14	<2	2.00
	09:12		Middle	4.0	28.80	28.80		7.58	7.58		24.54	24.54		89.9	89.9		6.06	6.06		5.15	5.14		2	
27/06/2019	00:30	Cloudy	Middle	3.0	27.20	27.20	27.20	8.07	8.07	8.07	27.19	27.19	27.19	76.1	76.4	75.5	5.12	5.14	5.08	2.07	1.88	1.82	3	3.00
	00:31		Middle	3.0	27.20	27.20		8.07	8.07		27.19	27.19		75.7	73.8		5.09	4.96		1.73	1.61		3	
29/06/2019	05:07	Cloudy	Middle	3.5	28.10	28.10	28.10	7.89	7.89	7.89	27.40	27.40	27.40	84.4	85.3	84.5	5.66	5.72	5.66	2.23	2.34	2.34	<2	<2
	05:08		Middle	3.5	28.10	28.10		7.89	7.89		27.40	27.40		84.6	83.6		5.67	5.60		2.44	2.36		<2	

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					
01/06/2019	18:00	Fine	Middle	3.5	27.20	27.20	27.25	7.32	7.32	7.33	30.30	30.30	30.30	86.6	86.1	85.8	5.79	5.76	5.74	3.44	3.36	3.41	4	4.00
	18:02		Middle	3.5	27.30	27.30		7.34	7.34		30.30	30.30		85.3	85.3		5.70	5.70		3.42	3.43		4	
03/06/2019	18:43	Cloudy	Middle	2.5	28.10	28.10	28.10	7.93	7.93	7.93	28.51	28.51	28.51	91.2	92.4	90.4	5.88	5.96	5.83	6.24	6.08	6.18	12	11.50
	18:44		Middle	2.5	28.10	28.10		7.93	7.93		28.51	28.51		88.8	89.1		5.73	5.75		6.21	6.17		11	
05/06/2019	04:38	Cloudy	Middle	3.0	26.60	26.60	26.60	8.04	8.04	8.04	22.96	22.96	22.96	84.1	88.6	85.9	5.91	6.22	6.04	4.91	4.88	4.91	2	2.50
	04:39		Middle	3.0	26.60	26.60		8.04	8.04		22.96	22.96		85.2	85.6		6.01	6.03		4.93	4.90		3	
08/06/2019	07:35	Fine	Middle	3.5	26.60	26.60	26.70	7.04	7.04	7.05	28.42	28.42	28.42	91.9	91.0	90.4	6.07	6.00	5.96	5.19	5.19	5.20	4	4.50
	07:37		Middle	3.5	26.80	26.80		7.06	7.06		28.41	28.41		89.3	89.3		5.89	5.88		5.20	5.22		5	
10/06/2019	10:45	Cloudy	Middle	3.5	29.30	29.30	29.40	7.33	7.33	7.34	25.01	25.01	25.01	97.0	97.0	96.7	6.45	6.44	6.42	4.02	4.06	4.06	3	3.50
	10:47		Middle	3.5	29.50	29.50		7.34	7.34		25.01	25.01		96.4	96.5		6.40	6.40		4.07	4.08		4	
12/06/2019	-	-	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
14/06/2019	17:10	Fine	Middle	3.5	28.50	28.50	28.50	7.39	7.39	7.39	22.07	22.07	22.07	89.9	90.1	89.6	6.17	6.18	6.15	9.89	9.89	9.89	13	12.50
	17:12		Middle	3.5	28.50	28.50		7.39	7.39		22.07	22.07		89.0	89.4		6.10	6.13		9.89	9.89		12	
17/06/2019	20:31	Cloudy	Middle	3.0	26.90	26.90	26.90	8.15	8.15	8.15	26.08	26.08	26.08	76.9	79.5	78.0	5.05	5.22	5.12	8.88	8.78	8.60	18	19.00
	20:32		Middle	3.0	26.90	26.90		8.15	8.15		26.08	26.08		79.0	76.7		5.18	5.03		8.45	8.27		20	
19/06/2019	05:25	Cloudy	Middle	2.5	27.00	27.00	27.00	8.10	8.10	8.10	26.29	26.29	26.29	84.3	81.5	83.6	5.79	5.60	5.74	7.94	7.53	7.72	11	10.50
	05:26		Middle	2.5	27.00	27.00		8.10	8.10		26.29	26.29		82.2	86.4		5.65	5.93		7.63	7.77		10	
21/06/2019	19:11	Cloudy	Middle	2.5	29.00	29.00	29.00	8.24	8.24	8.24	25.11	25.11	25.11	87.8	88.3	88.4	5.88	5.97	5.93	7.20	7.39	7.18	13	13.00
	19:12		Middle	2.5	29.00	29.00		8.24	8.24		25.11	25.11		89.5	87.8		5.99	5.87		7.11	7.03		13	
24/06/2019	09:00	Cloudy	Middle	3.5	28.80	28.80	28.85	7.47	7.47	7.45	21.85	21.85	21.84	84.7	84.5	84.4	5.78	5.77	5.76	5.56	5.51	5.52	3	3.00
	09:02		Middle	3.5	28.90	28.90		7.40	7.46		21.83	21.83		84.2	84.2		5.75	5.75		5.50	5.50		3	
27/06/2019	00:38	Cloudy	Middle	2.5	28.00	28.00	27.95	8.12	8.12	8.12	23.83	23.83	23.83	75.1	74.3	75.1	5.15	5.10	5.15	2.62	2.31	2.32	4	3.50
	00:39		Middle	2.5	27.90	27.90		8.12	8.12		23.83	23.83		76.5	74.6		5.25	5.11		2.15	2.20		3	
29/06/2019	05:15	Cloudy	Middle	3.0	28.10	28.10	28.10	8.01	8.00	8.00	21.69	21.69	21.69	81.1	80.0	81.0	5.62	5.54	5.61	2.16	1.93	1.98	<2	<2
	05:16		Middle	3.0	28.10	28.10		8.00	8.00		21.69	21.69		80.7	82.2		5.59	5.69		1.84	1.99		<2	

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	Value	Average		
01/06/2019	10:20	Cloudy	Middle	4.0	26.50	26.50	26.55	7.25	7.25	7.26	30.61	30.61	30.61	94.3	94.3	94.2	6.37	6.37	6.36	9.98	9.92	9.94	25	<u>25.00</u>
	10:22		Middle	4.0	26.60	26.60		7.26	7.26		30.61	30.61		94.2	94.1		6.35	6.35		9.93	9.94		25	
03/06/2019	11:25	Cloudy	Middle	4.0	27.10	27.10	27.15	7.35	7.35	7.36	28.91	28.91	28.91	87.4	87.2	87.1	5.91	5.89	5.87	5.63	5.61	5.59	6	6.50
	11:27		Middle	4.0	27.20	27.20		7.36	7.36		28.91	28.91		87.0	86.9		5.83	5.83		5.58	5.55		7	
05/06/2019	15:20	Fine	Middle	3.5	28.00	28.00	28.05	7.15	7.15	7.16	28.73	28.73	28.73	91.1	90.6	90.7	6.08	6.04	6.04	4.47	4.47	4.46	<2	<2
	15:22		Middle	3.5	28.10	28.10		7.17	7.17		28.73	28.73		90.5	90.6		6.02	6.03		4.46	4.44		<2	
08/06/2019	17:55	Cloudy	Middle	3.5	28.40	28.40	28.55	7.36	7.36	7.37	27.95	27.95	27.96	95.7	95.9	94.6	6.35	6.36	6.31	2.39	2.40	2.40	5	4.50
	17:37		Middle	3.5	28.70	28.70		7.37	7.37		27.96	27.96		93.3	93.4		6.25	6.26		2.40	2.40		4	
10/06/2019	17:10	Cloudy	Middle	4.0	28.60	28.60	28.65	7.26	7.26	7.26	25.52	25.52	25.52	99.0	98.6	98.6	6.65	6.62	6.63	3.29	3.30	3.31	3	3.00
	17:12		Middle	4.0	28.70	28.70		7.26	7.26		25.52	25.52		98.5	98.4		6.64	6.61		3.31	3.32		3	
12/06/2019	-	-	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
14/06/2019	09:55	Fine	Middle	3.5	28.20	28.20	28.25	7.22	7.22	7.23	28.20	28.20	28.20	88.6	88.5	88.4	5.90	5.89	5.88	2.39	2.38	2.35	5	4.50
	09:57		Middle	3.5	28.30	28.30		7.24	7.24		28.20	28.20		88.2	88.1		5.87	5.86		2.28	2.33		4	
17/06/2019	11:45	Cloudy	Middle	4.0	26.90	26.90	26.90	7.20	7.20	7.20	30.45	30.45	30.45	91.6	91.9	91.7	6.17	6.18	6.17	5.04	5.04	5.04	16	<u>16.00</u>
	11:47		Middle	4.0	26.90	26.90		7.20	7.20		30.45	30.45		91.7	91.7		6.17	6.17		5.05	5.04		16	
19/06/2019	14:05	Cloudy	Middle	3.5	29.40	29.40	29.45	7.29	7.29	7.30	28.68	28.68	28.68	94.1	93.5	94.0	6.13	6.05	6.11	3.28	3.29	3.28	7	7.50
	14:07		Middle	3.5	29.50	29.50		7.30	7.30		28.68	28.68		94.1	94.4		6.12	6.15		3.29	3.26		8	
21/06/2019	11:35	Fine	Middle	4.0	29.50	29.50	29.55	7.85	7.85	7.84	27.76	27.76	27.76	83.0	83.3	82.3	5.43	5.45	5.38	5.98	5.99	5.98	5	4.50
	11:37		Middle	4.0	29.60	29.60		7.82	7.82		27.76	27.76		81.3	81.4		5.31	5.32		5.96	5.97		4	
24/06/2019	15:10	Fine	Middle	3.5	28.90	28.90	28.90	7.45	7.45	7.46	31.60	31.60	31.61	95.2	95.2	95.1	6.69	6.69	6.69	4.89	4.78	4.80	2	2.00
	15:12		Middle	3.5	28.90	28.90		7.47	7.47		31.61	31.61		94.9	95.2		6.67	6.69		4.77	4.76		<2	
26/06/2019	19:00	Cloudy	Middle	3.0	28.10	28.10	28.10	8.02	8.02	8.02	27.19	27.19	27.19	73.4	76.3	74.6	4.93	5.13	5.01	1.41	1.38	1.33	5	5.00
	19:01		Middle	3.0	28.10	28.10		8.02	8.02		27.19	27.19		75.1	73.4		5.04	4.93		1.28	1.26		5	
29/06/2019	09:55	Fine	Middle	4.0	29.70	29.70	29.50	7.58	7.58	7.57	24.87	24.87	24.89	93.4	93.5	93.0	6.22	6.24	6.19	1.92	1.86	1.89	<2	<2
	09:57		Middle	4.0	29.30	29.30		7.56	7.56		24.91	24.91		92.6	92.3		6.17	6.14		1.88	1.88		<2	

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				
01/06/2019	10:15	Cloudy	Middle	4	26.90	26.90	27.05	7.17	7.17	7.18	30.05	30.05	30.04	89.4	89.3	88.9	6.01	6.00	5.97	5.47	5.38	5.41	8	8.00
	10:17		Middle	4	27.20	27.20		7.18	7.18		30.03	30.03		88.5	88.4		5.94	5.93		5.39	5.41		8	
03/06/2019	11:20	Cloudy	Middle	4	27.20	27.20	27.25	7.27	7.27	7.25	27.07	27.07	27.07	83.0	83.0	82.8	5.66	5.66	5.65	5.68	5.64	5.65	8	7.50
	11:22		Middle	4	27.30	27.30		7.23	7.23		27.07	27.07		83.1	82.0		5.67	5.59		5.64	5.63		7	
05/06/2019	15:15	Fine	Middle	4	28.70	28.70	28.80	7.09	7.09	7.11	26.11	26.11	26.12	87.3	87.0	86.6	5.83	5.81	5.78	4.79	4.84	4.81	3	2.50
	15:17		Middle	4	28.90	28.90		7.12	7.12		26.12	26.12		86.4	85.7		5.76	5.71		4.81	4.79		2	
08/06/2019	17:30	Cloudy	Middle	4	29.10	29.10	29.25	7.26	7.26	7.29	28.07	28.07	28.07	94.2	94.2	93.7	6.17	6.17	6.13	2.44	2.41	2.41	7	7.00
	17:32		Middle	4	29.40	29.40		7.32	7.32		28.06	28.06		93.6	92.6		6.12	6.07		2.39	2.39		7	
10/06/2019	17:05	Cloudy	Middle	4	28.80	28.80	28.85	7.07	7.07	7.08	24.09	24.09	24.09	100.0	99.6	99.4	6.76	6.72	6.71	3.71	3.66	4.41	4	4.50
	17:07		Middle	4	28.90	28.90		7.08	7.08		24.09	24.09		99.5	98.4		6.72	6.64		3.62	6.64		5	
12/06/2019	-	-	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
14/06/2019	09:50	Fine	Middle	4	28.90	28.90	28.95	7.17	7.17	7.19	26.42	26.42	26.42	90.6	89.6	89.6	6.02	5.95	5.95	5.86	5.78	5.78	7	7.00
	09:52		Middle	4	29.00	29.00		7.20	7.20		26.42	26.42		88.6	89.4		5.89	5.93		5.77	5.80		7	
17/06/2019	11:40	Cloudy	Middle	4	27.10	27.10	27.10	7.12	7.12	7.10	29.34	29.34	29.34	94.4	93.7	93.6	6.37	6.32	6.31	6.98	6.99	7.01	12	13.50
	11:42		Middle	4	27.10	27.10		7.08	7.08		29.34	29.34		93.3	93.0		6.29	6.27		7.04	7.02		15	
19/06/2019	14:00	Cloudy	Middle	4	29.60	29.60	29.60	7.23	7.23	7.24	28.77	28.77	28.78	91.5	90.6	90.8	5.91	5.85	5.86	4.17	4.16	4.17	10	10.50
	14:02		Middle	4	29.60	29.60		7.25	7.25		28.78	28.78		90.5	90.6		5.84	5.84		4.17	4.17		11	
21/06/2019	11:30	Fine	Middle	4	29.50	29.50	29.40	7.79	7.79	7.78	27.56	27.56	27.57	80.0	80.1	80.2	5.26	5.27	5.27	5.08	5.12	5.11	8	7.50
	11:32		Middle	4	29.30	29.30		7.77	7.77		27.57	27.57		80.1	80.6		5.26	5.27		5.11	5.13		7	
24/06/2019	15:05	Fine	Middle	4	28.70	28.70	28.75	7.35	7.35	7.37	31.76	31.76	31.76	95.9	95.4	94.3	6.65	6.62	6.54	4.19	4.20	4.21	3	3.00
	15:07		Middle	4	28.80	28.80		7.39	7.39		31.76	31.76		92.4	93.5		6.41	6.48		4.21	4.22		3	
26/06/2019	19:15	Cloudy	Middle	3	28.00	28.00	28.00	8.10	8.10	8.10	23.60	23.60	23.60	71.8	73.7	74.1	4.93	5.05	5.08	2.17	2.36	2.23	5	4.50
	19:16		Middle	3	28.00	28.00		8.10	8.10		23.60	23.60		75.6	75.2		5.19	5.16		2.23	2.15		4	
29/06/2019	09:50	Fine	Middle	4	29.70	29.70	29.80	7.45	7.45	7.48	20.32	20.32	20.33	92.2	92.7	91.9	6.25	6.28	6.24	20.16	20.16	20.16	12	11.50
	09:52		Middle	4	29.90	29.90		7.50	7.50		20.33	20.33		91.0	91.6		6.17	6.26		20.15	20.15		11	

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



**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					
02/07/2019	19:04	Cloudy	Middle	3.0	27.70	27.70	27.70	7.77	7.77	7.77	28.76	28.76	28.76	89.6	91.7	91.1	5.94	6.15	6.09	5.08	4.97	4.99	10	10.50
	19:05		Middle	3.0	27.70	27.70		7.77	7.77		28.76	28.76		92.3	90.6		6.19	6.07		4.87	5.05		11	
04/07/2019	20:44	Cloudy	Middle	3.0	27.30	27.30	27.23	8.41	8.41	8.41	27.36	27.36	27.36	82.7	84.4	84.6	5.63	5.75	5.76	3.46	3.27	3.33	8	7.50
	20:45		Middle	3.0	27.30	27.00		8.41	8.41		27.36	27.36		84.7	86.4		5.76	5.88		3.19	3.38		7	
06/07/2019	07:50	Fine	Middle	4.0	27.70	27.70	27.75	7.52	7.52	7.53	26.85	26.85	26.85	93.0	93.3	93.1	6.29	6.31	6.30	3.75	3.76	3.76	<2	2.00
	07:52		Middle	4.0	27.80	27.80		7.53	7.53		26.85	26.85		92.9	93.1		6.28	6.30		3.76	3.78		2	
08/07/2019	09:35	Cloudy	Middle	4.0	28.50	28.50	28.50	7.49	7.49	7.49	26.21	26.21	26.21	90.2	90.0	90.1	6.05	6.04	6.04	2.34	2.38	2.37	8	7.50
	09:37		Middle	4.0	28.50	28.50		7.49	7.49		26.21	26.21		89.9	90.3		6.02	6.05		2.35	2.39		7	
10/07/2019	12:32	Fine	Middle	4.0	29.10	29.10	29.15	7.92	7.92	7.92	25.31	25.31	25.31	75.8	70.6	73.9	5.05	4.47	4.86	4.67	4.67	4.67	3	3.00
	12:34		Middle	4.0	29.20	29.20		7.92	7.92		25.31	25.31		73.4	75.6		4.89	5.04		4.67	4.67		3	
12/07/2019	16:20	Cloudy	Middle	3.5	27.80	27.80	27.85	7.53	7.53	7.53	28.95	28.95	28.95	95.1	94.2	94.2	6.39	6.36	6.33	2.29	2.28	2.28	4	4.50
	16:22		Middle	3.5	27.90	27.90		7.53	7.53		28.95	28.95		94.3	93.0		6.33	6.24		2.27	2.27		5	
15/07/2019	18:45	Cloudy	Middle	3.0	27.80	27.80	27.80	7.76	7.76	7.76	27.98	27.98	27.98	81.1	80.5	82.6	5.43	5.39	5.53	2.55	2.79	2.74	6	5.50
	18:46		Middle	3.0	27.80	27.80		7.76	7.76		27.98	27.98		84.3	84.4		5.65	5.65		2.81	2.81		5	
17/07/2019	19:30	Cloudy	Middle	3.5	27.60	27.60	27.60	7.79	7.79	7.79	30.00	30.00	30.00	93.1	93.8	92.7	6.21	6.26	6.18	3.21	3.15	3.29	6	6.00
	19:31		Middle	3.5	27.60	27.60		7.79	7.79		30.00	30.00		91.3	92.4		6.08	6.16		3.26	3.54		6	
19/07/2019	21:32	Cloudy	Middle	3.0	26.30	26.30	26.30	7.68	7.68	7.68	30.57	30.57	30.57	91.8	92.5	92.2	6.23	6.28	6.25	2.78	2.44	2.58	5	5.00
	21:33		Middle	3.0	26.30	26.30		7.68	7.68		30.57	30.57		92.4	91.9		6.27	6.23		2.57	2.51		5	
22/07/2019	08:15	Fine	Middle	3.5	27.00	27.00	27.05	6.44	6.44	6.45	30.41	30.41	30.42	92.6	92.6	93.0	6.21	6.21	6.24	8.98	8.99	8.93	2	2.00
	08:17		Middle	3.5	27.10	27.10		6.45	6.45		30.43	30.43		93.4	93.5		6.26	6.26		8.85	8.89		2	
24/07/2019	23:30	Fine	Middle	3.0	27.30	27.30	27.30	7.82	7.82	7.82	30.17	30.18	30.18	84.8	88.0	86.4	5.68	5.89	5.78	2.54	2.92	2.59	5	5.50
	23:31		Middle	3.0	27.30	27.30		7.82	7.82		30.18	30.18		86.2	86.4		5.77	5.78		2.36	2.52		6	
27/07/2019	00:45	Cloudy	Middle	3.5	28.30	28.30	28.30	7.98	7.98	7.98	28.21	28.21	28.21	89.6	90.0	89.7	5.97	5.99	5.97	1.47	1.56	1.51	2	2.50
	00:46		Middle	3.5	28.30	28.30		7.98	7.98		28.21	28.21		89.0	90.2		5.92	6.00		1.32	1.69		3	
29/07/2019	17:23	Fine	Middle	3.5	29.50	29.50	29.50	7.80	7.80	7.80	29.49	29.49	29.49	87.1	86.8	86.3	5.65	5.62	5.59	2.34	2.67	2.40	0	0.00
	17:24		Middle	3.5	29.50	29.50		7.80	7.80		29.49	29.49		85.7	85.6		5.55	5.55		2.38	2.21		0	
31/07/2019	-	Amber Rainstorm Warning	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	

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					
02/07/2019	19:19	Cloudy	Middle	2.5	27.70	27.70	27.70	7.63	7.63	7.63	27.29	27.29	27.29	88.2	90.4	90.2	5.97	6.11	6.10	6.66	6.53	6.39	10	10.50
	19:20		Middle	2.5	27.70	27.70		7.63	7.63		27.29	27.29		92.1	90.2		6.23	6.10		6.24	6.13		11	
04/07/2019	21:01	Cloudy	Middle	2.5	27.20	27.20	27.20	8.46	8.46	8.46	24.61	24.61	24.61	83.3	82.2	83.0	5.77	5.69	5.75	3.24	3.18	3.19	5	4.50
	21:02		Middle	2.5	27.20	27.20		8.46	8.46		24.61	24.61		83.7	82.8		5.79	5.73		3.22	3.10		4	
06/07/2019	07:45	Fine	Middle	3.5	28.10	28.10	28.15	7.45	7.45	7.46	25.25	25.25	25.25	85.7	86.4	86.2	5.81	5.85	5.84	4.34	4.35	4.36	<2	<2
	07:47		Middle	3.5	28.20	28.20		7.47	7.47		25.25	25.25		86.3	86.3		5.86	5.84		4.36	4.39		<2	
08/07/2019	09:30	Cloudy	Middle	3.5	28.70	28.70	28.70	7.26	7.26	7.26	24.83	24.83	24.84	82.4	82.3	81.8	5.54	5.54	5.51	2.75	2.76	2.74	7	7.00
	09:32		Middle	3.5	28.70	28.70		7.26	7.26		24.85	24.85		81.2	81.4		5.46	5.48		2.74	2.72		7	
10/07/2019	12:50	Fine	Middle	3.5	28.90	28.90	28.90	7.41	7.41	7.66	25.55	25.55	25.55	62.0	67.7	66.6	4.14	4.45	4.41	6.46	6.42	6.39	3	3.50
	12:52		Middle	3.5	28.90	28.90		7.91	7.91		25.55	25.55		69.5	67.3		4.57	4.49		6.36	6.33		4	
12/07/2019	16:15	Cloudy	Middle	3.5	28.30	28.30	28.40	7.52	7.52	7.54	28.36	28.36	28.37	91.9	91.7	91.0	6.10	6.08	6.03	2.41	2.39	2.39	8	8.00
	16:17		Middle	3.5	28.50	28.50		7.53	7.57		28.38	28.36		90.3	90.0		5.98	5.96		2.38	2.39		8	
15/07/2019	19:51	Cloudy	Middle	2.5	27.60	27.60	27.60	7.77	7.77	7.77	24.41	24.41	24.41	76.8	79.2	78.4	5.28	5.44	5.38	3.09	2.88	2.82	6	6.00
	19:52		Middle	2.5	27.60	27.60		7.77	7.77		24.41	24.41		79.1	78.3		5.43	5.38		2.70	2.61		6	
17/07/2019	19:39	Cloudy	Middle	3.0	27.70	27.70	27.70	7.73	7.73	7.73	26.14	26.14	26.14	91.1	91.2	90.7	6.18	6.19	6.16	4.17	4.13	4.19	8	7.50
	19:40		Middle	3.0	27.70	27.70		7.73	7.73		26.14	26.14		90.5	89.8		6.15	6.10		4.26	4.20		7	
19/07/2019	21:18	Cloudy	Middle	2.5	26.10	26.10	26.10	7.70	7.70	7.70	28.75	28.75	28.75	84.3	86.0	85.9	5.79	5.91	5.90	3.56	3.54	3.47	7	6.50
	21:19		Middle	2.5	26.10	26.10		7.70	7.70		28.75	28.75		85.0	88.2		5.85	6.06		3.37	3.42		6	
22/07/2019	08:20	Fine	Middle	3.5	26.80	26.80	26.85	6.52	6.52	6.53	28.43	28.43	28.43	80.5	80.8	81.3	5.49	5.51	5.54	9.71	9.69	9.72	2	2.00
	08:22		Middle	3.5	26.90	26.90		6.53	6.53		28.43	28.43		81.5	82.3		5.55	5.60		9.73	9.73		2	
24/07/2019	23:41	Fine	Middle	2.5	27.30	27.30	27.30	7.76	7.76	7.76	27.90	27.90	27.50	88.1	84.4	86.8	5.89	5.64	5.80	2.39	2.59	2.52	4	3.50
	23:42		Middle	2.5	27.30	27.30		7.76	7.76		27.09	27.09		87.5	87.0		5.86	5.82		2.53	2.58		3	
27/07/2019	00:53	Cloudy	Middle	3.0	28.40	28.40	28.40	8.04	8.04	8.04	24.41	24.41	24.41	91.6	89.6	90.3	6.22	6.09	6.14	1.90	1.80	1.89	3	3.50
	00:54		Middle	3.0	28.40	28.40		8.04	8.04		24.41	24.41		88.9	91.2		6.04	6.19		1.83	2.01		4	
29/07/2019	17:38	Fine	Middle	3.0	29.90	29.90	29.90	7.73	7.73	7.73	26.20	26.20	26.20	81.4	81.7	82.1	5.35	5.37	5.40	3.02	2.91	2.97	0	0.00
	17:39		Middle	3.0	29.90	29.90		7.73	7.73		26.20	26.20		82.4	82.7		5.42	5.44		2.86	3.08		0	
31/07/2019	-	Amber Rainstorm Warning	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	

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				
02/07/2019	10:10	Cloudy	Middle	3.5	28.40	28.40	28.40	7.71	7.71	7.73	27.61	27.61	27.61	101.6	101.8	101.6	6.76	6.79	6.80	3.25	3.26	3.27	8	9.00
	10:12		Middle	3.5	28.40	28.40		7.75	7.75		27.61	27.61		101.5	101.5		6.83	6.83		3.27	3.28		10	
04/07/2019	12:45	Fine	Middle	3.5	28.70	28.70	28.75	7.19	7.19	7.20	26.38	26.38	26.38	87.9	89.1	88.2	5.87	5.95	5.88	6.32	6.32	6.36	7	7.00
	12:47		Middle	3.5	28.80	28.80		7.20	7.20		26.37	26.37		87.7	87.9		5.85	5.86		6.34	6.45		7	
06/07/2019	16:30	Fine	Middle	4.0	28.70	28.70	28.75	7.51	7.51	7.51	25.94	25.94	25.94	97.4	97.4	97.4	6.51	6.51	6.51	3.44	3.40	3.43	<2	<2
	16:32		Middle	4.0	28.80	28.80		7.51	7.51		25.93	25.93		97.4	97.5		6.51	6.52		3.47	3.41		<2	
08/07/2019	15:30	Cloudy	Middle	4.0	28.90	28.90	28.95	7.56	7.56	7.56	24.90	24.90	24.90	99.1	99.6	99.5	6.65	6.67	6.66	2.12	2.12	2.12	3	3.50
	15:32		Middle	4.0	29.00	29.00		7.56	7.56		24.90	24.90		99.4	99.7		6.65	6.66		2.11	2.11		4	
10/07/2019	20:21	Cloudy	Middle	3.5	27.60	27.60	27.60	8.14	8.14	8.14	24.22	24.22	24.22	92.7	94.7	93.5	6.38	6.52	6.44	1.81	1.94	1.85	2	2.00
	20:22		Middle	3.5	27.60	27.60		8.14	8.14		24.22	24.22		93.8	92.8		6.46	6.39		1.84	1.82		2	
12/07/2019	08:50	Fine	Middle	4.0	27.90	27.90	27.90	7.50	7.50	7.50	27.01	27.01	27.01	95.9	96.1	95.5	6.47	6.48	6.44	1.10	1.10	1.11	4	4.50
	08:52		Middle	4.0	27.90	27.90		7.50	7.50		27.00	27.00		94.7	95.1		6.38	6.41		1.12	1.10		5	
15/07/2019	12:55	Fine	Middle	3.5	29.60	29.60	29.65	7.94	7.94	7.94	23.34	23.34	23.34	113.4	113.1	113.0	7.58	7.55	7.54	3.22	3.24	3.23	7	6.50
	12:57		Middle	3.5	29.70	29.70		7.94	7.94		23.34	23.34		112.5	112.8		7.51	7.52		3.23	3.23		6	
17/07/2019	11:15	Fine	Middle	4.0	28.90	28.90	28.90	6.82	6.82	6.85	27.64	27.64	27.65	104.1	104.5	103.9	6.88	6.90	6.86	4.28	4.28	4.26	4	4.00
	11:17		Middle	4.0	28.90	28.90		6.87	6.87		27.65	27.65		103.6	103.2		6.83	6.82		4.23	4.26		4	
19/07/2019	-	Amber Rainstorm Warning	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
22/07/2019	14:10	Cloudy	Middle	4.0	27.00	27.00	27.05	6.66	6.66	6.66	30.88	30.88	30.88	90.1	90.1	90.2	6.03	6.03	6.03	3.92	3.92	3.92	3	3.00
	14:12		Middle	4.0	27.10	27.10		6.66	6.66		30.88	30.88		90.4	90.2		6.04	6.03		3.90	3.94		3	
24/07/2019	15:45	Fine	Middle	4.0	28.30	28.30	28.40	6.80	6.80	6.83	29.71	29.71	29.71	104.0	104.1	103.8	6.85	6.86	6.83	3.45	3.45	3.46	3	3.50
	15:47		Middle	4.0	28.50	28.50		6.85	6.85		29.71	29.71		103.7	103.2		6.82	6.79		3.45	3.47		4	
27/07/2019	08:10	Fine	Middle	4.0	28.50	28.50	28.50	8.35	8.35	8.35	26.89	26.89	26.89	131.2	131.3	127.8	8.89	8.89	8.61	3.77	3.76	3.77	5	4.50
	08:12		Middle	4.0	28.50	28.50		8.35	8.35		26.89	26.89		124.6	124.0		8.34	8.31		3.76	3.77		4	
29/07/2019	09:45	Fine	Middle	3.0	29.50	29.50	29.50	7.80	7.80	7.80	29.46	29.46	29.46	89.9	88.2	88.2	5.84	5.73	5.73	1.62	1.77	1.54	0	0.00
	09:46		Middle	3.0	29.50	29.50		7.80	7.80		29.46	29.46		87.4	87.3		5.68	5.68		1.42	1.35		0	
31/07/2019	-	Amber Rainstorm Warning	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	

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



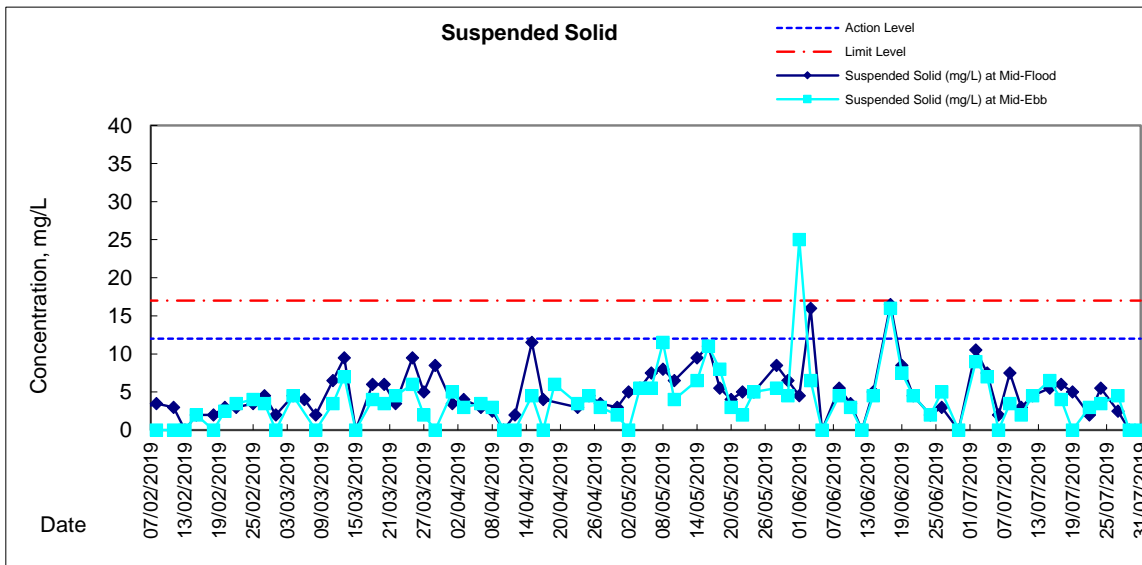
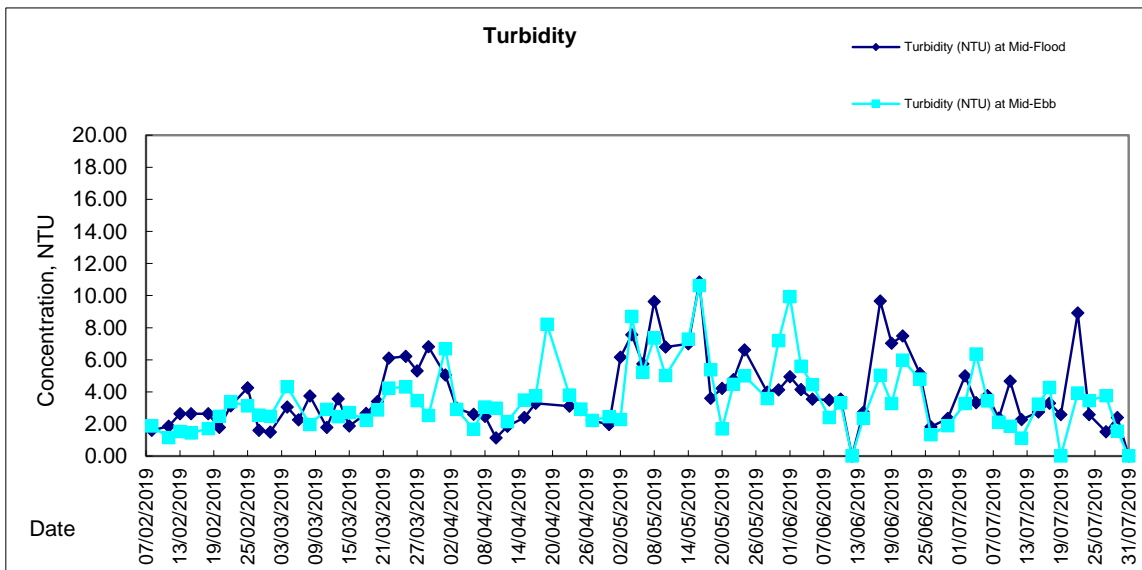
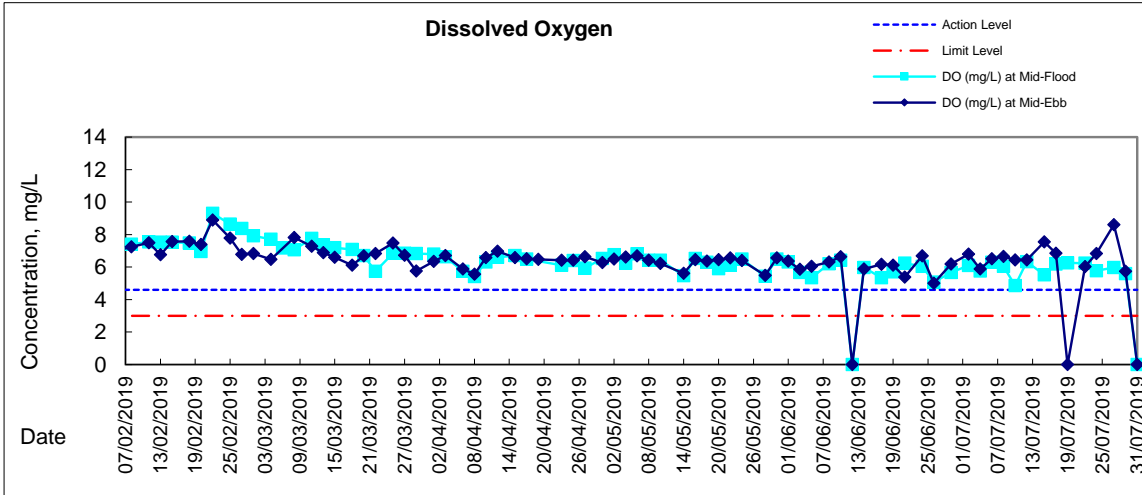
**Water Monitoring Result at Culvert J - Reference Station
Mid-Ebb Tide**

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				
02/07/2019	10:05	Cloudy	Middle	4	28.80	28.80	28.85	7.38	7.38	7.47	25.96	25.96	25.96	105.7	106.2	104.0	7.06	7.09	6.94	10.23	10.20	10.23	11	10.50
	10:07		Middle	4	28.90	28.90		7.55	7.55		25.95	25.95		102.2	101.8		6.82	6.79		10.24	10.26		10	
04/07/2019	12:50	Fine	Middle	4	28.30	28.30	28.30	7.54	7.54	7.56	20.79	20.79	20.80	86.5	87.6	87.4	6.02	6.08	6.06	4.60	4.74	4.69	5	5.50
	12:52		Middle	4	28.30	28.30		7.57	7.57		20.80	20.80		87.7	87.7		6.07	6.08		4.71	4.69		6	
06/07/2019	16:35	Fine	Middle	4	29.20	29.20	29.30	7.48	7.48	7.49	25.97	25.97	25.97	89.7	89.6	89.4	5.94	5.93	5.92	2.83	2.78	2.78	2	2.00
	16:37		Middle	4	29.40	29.40		7.49	7.49		25.97	25.97		88.4	89.7		5.85	5.94		2.76	2.75		<2	
08/07/2019	15:35	Cloudy	Middle	4	28.50	28.50	28.55	7.48	7.48	7.48	23.49	23.49	23.49	90.6	90.0	91.0	6.16	6.14	6.19	3.99	3.89	3.92	5	5.00
	15:37		Middle	4	28.60	28.60		7.48	7.48		23.49	23.49		91.6	91.9		6.23	6.24		3.89	3.92		5	
10/07/2019	20:30	Cloudy	Middle	3	27.40	27.40	27.40	8.23	8.23	8.23	20.39	20.39	20.39	83.7	88.7	84.9	5.26	5.91	5.74	3.07	3.52	3.14	3	2.50
	20:31		Middle	3	27.40	27.40		8.23	8.23		20.39	20.39		83.2	84.0		5.87	5.93		3.01	2.95		2	
12/07/2019	08:45	Fine	Middle	4	28.40	28.40	28.45	7.49	7.49	7.49	26.70	26.70	26.70	92.6	92.7	92.3	6.20	6.20	6.18	3.26	3.25	3.25	6	5.50
	08:47		Middle	4	28.50	28.50		7.49	7.49		26.70	26.70		92.2	91.8		6.17	6.14		3.25	3.25		5	
15/07/2019	12:50	Fine	Middle	4	29.90	29.90	30.05	7.84	7.84	7.84	23.33	23.33	23.33	107.2	108.9	108.8	7.11	7.22	7.21	3.10	3.19	3.18	5	5.00
	12:52		Middle	4	30.20	30.20		7.84	7.84		23.33	23.33		109.6	109.6		7.26	7.26		3.21	3.20		5	
17/07/2019	11:10	Fine	Middle	4	29.30	29.30	29.45	6.76	6.78	6.78	25.10	25.10	25.09	96.5	96.4	95.4	6.40	6.39	6.32	6.47	6.48	6.48	6	5.50
	11:12		Middle	4	29.60	29.60		6.78	6.78		25.07	25.07		93.8	94.8		6.21	6.28		6.49	6.49		5	
19/07/2019	-	Amber Rainstorm Warning	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-		Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
22/07/2019	14:05	Cloudy	Middle	4	27.50	27.50	27.65	6.68	6.68	6.69	30.75	30.75	30.75	90.4	90.2	90.3	5.99	5.97	5.97	4.47	4.48	4.47	4	3.00
	14:07		Middle	4	27.80	27.80		6.69	6.69		30.74	30.74		90.2	90.2		5.96	5.96		4.46	4.46		2	
24/07/2019	15:40	Fine	Middle	4	29.00	29.00	29.10	6.66	6.66	6.67	29.19	29.19	29.19	112.9	113.3	112.3	7.38	7.40	7.33	5.18	5.14	5.15	6	5.50
	15:42		Middle	4	29.20	29.20		6.67	6.67		29.18	29.18		111.2	111.6		7.26	7.27		5.13	5.14		5	
27/07/2019	08:05	Fine	Middle	4	28.70	27.70	28.40	8.17	8.17	8.17	27.16	27.16	27.17	123.3	124.3	124.1	8.19	8.26	8.24	2.82	2.87	2.85	4	4.00
	08:07		Middle	4	28.60	28.60		8.16	8.16		27.17	27.17		124.0	124.8		8.21	8.28		2.86	2.86		4	
29/07/2019	09:55	Fine	Middle	3	29.60	29.60	29.60	7.74	7.74	7.74	26.30	26.30	26.30	78.4	79.5	78.9	5.17	5.24	5.20	1.86	1.74	1.75	0	0.00
	09:56		Middle	3	29.60	29.60		7.74	7.74		26.30	26.30		78.1	79.4		5.16	5.24		1.69	1.72		0	
31/07/2019	-	Amber Rainstorm Warning	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-		Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

