



ANNEX F2

SURFACE WATER QUALITY MONITORING  
RESULTS

TABLE F2.4 SURFACE WATER QUALITY MONITORING RESULTS

Date				6 May 24	6 May 24	6 May 24	30 May 24	30 May 24	30 May 24
		Limit Level (DP3)	Limit Level (DP6)	DP3	DP6	DP6 (Duplicate)	DP3	DP6	DP3 (Duplicate)
<b>On-site Measurement</b>									
pH Value	pH Unit	6 - 9	6 - 9	8.4	7.8	7.8	7.6	8.1	7.6
Electrical Conductivity	µS/cm	-	-	891	289	290	912	313	910
Dissolved Oxygen	mg/L	-	-	7.5	6.8	6.9	7.4	9.1	7.4
6.9Volume Discharge	m <sup>3</sup>	-	-	6340	- (a)	- (a)	2170	27	2170
<b>Laboratory Analysis</b>									
Bicarbonate	mg/L	-	-	154	70	71	-	-	-
Carbonate	mg/L	-	-	6	<1	<1	-	-	-
Suspended Solids (SS)	mg/L	30	20	3.6	22	26.3	-	34.3	-
Ammonia-nitrogen	mg/L	0.5	7.1	1.38	0.02	0.02	0.18	-	0.16
Chloride	mg/L	-	-	73	26	25	-	-	-
Nitrite-nitrogen	mg/L	-	-	0.39	0.03	0.03	-	-	-
Phosphate	mg/L	5	5	0.04	0.01	<0.01	-	-	-
Sulphate	mg/L	-	-	134	32	32	-	-	-
Sulphide	mg/L	2.5	2.5	<0.1	<0.1	<0.1	-	-	-

Total Kjeldahl Nitrogen(TKN )	mg/L	-	-	2.5	0.3	0.3	-	-	-
Nitrate-nitrogen	mg/L	-	-	2.42	0.67	0.66	-	-	-
Total Nitrogen (TN)	mg/L	50	50	5.3	1	1	-	-	-
Biochemical Oxygen Demand	mg/L	20	20	<2	<2	<2	-	-	-
Chemical Oxygen Demand	mg/L	80	30	16	11	10	-	-	-
Oil & Grease	mg/L	20	20	<5	<5	<5	-	-	-
Total Organic Carbon	mg/L	-	-	5	2	3	-	-	-
Boron	µg/L	1100	1100	160	40	40	-	-	-
Calcium	mg/L	-		90	29.6	30.6	-	-	-
Mercury	µg/L	1	1	<0.20	<0.20	<0.20	-	-	-
Magnesium	mg/L	-	-	7.97	2.26	2.33	-	-	-
Sodium	mg/L	-	-	57	17.6	19.7	-	-	-
Iron	mg/L	3	3	<0.04	<0.04	<0.04	-	-	-
Potassium	mg/L	-	-	12.7	6.93	7.21	-	-	-
Cadmium	µg/L	1	1	<0.2	<0.2	<0.2	-	-	-
Chromium	µg/L	300	300	2	<1	<1	-	-	-
Copper	µg/L	300	300	2	<1	<1	-	-	-

Lead	µg/L		300	<1	<1	<1			
Manganese	µg/L		-	6	2	6			
Nickel	µg/L		300	<1	<1	<1			
Zinc	µg/L		-	<10	<10	213			

**Note:**

(a) The flow meter of DP6 is under maintenance.