



ANNEX F2

SURFACE WATER QUALITY MONITORING
RESULTS

TABLE F2.1 SURFACE WATER QUALITY MONITORING RESULTS AT DP3

Date	Time	Weather Condition	Water Appearance	Water Condition	Water Temperature (°C)	Ammoniacal-nitrogen (mg/L)	COD	Suspended Solids (SS) (mg/L)	Remarks	
11 Aug 2025	09:45	Sunny	Yellow, Milky	-	29.8	0.01	10	43.9	-	
11 Aug 2025	10:02	Sunny	Yellow, Milky	-	29.8	0.01	11	29.9	Duplicate	
22 Aug 2025	09:10	Sunny	Clear	-	28.2	-	-	21.6	Remeasurement	
22 Aug 2025	09:15	Sunny	Clear	-	28.6	-	-	22.4	Duplicate	
						Average	0.01	10.5	29.5	-
						Min	0.01	10	21.6	-
						Max	0.01	11	43.9	-

TABLE F2.2 SURFACE WATER QUALITY MONITORING RESULTS AT DP4

Date	Time	Weather Condition	Water Appearance	Water Condition	Water Temperature (°C)	Ammoniacal-nitrogen (mg/L)	COD	Suspended Solids (SS) (mg/L)	Remarks	
11 Aug 2025	09:56	Sunny	Unable to collect water sample due to insufficient flow							
						Average	-	-	-	-
						Min	-	-	-	-
						Max	-	-	-	-

TABLE F2.3 SURFACE WATER QUALITY MONITORING RESULTS AT DP6

Date	Time	Weather Condition	Water Appearance	Water Condition	Water Temperature (°C)	Ammoniacal-nitrogen (mg/L)	COD	Suspended Solids (SS) (mg/L)	Remarks
11 Aug 25	10:02	Sunny	Yellow, Milky	-	28.2	0.02	5	14.2	-
						Average	-	-	-
						Min	-	-	-
						Max	-	-	-

TABLE F2.4 SURFACE WATER QUALITY MONITORING RESULTS

Date		Limit Level (DP3)	Limit Level (DP4&6)	11 Aug 25	11 Aug 25	11 Aug 25	22 Aug 25	22 Aug 25
				DP3	DP6	DP3 (Duplicate)	DP3	DP3 (Duplicate)
pH Value	pH Unit	6 - 9	6 - 9	8.2	8	8.2	-	-
Electrical Conductivity	µS/cm	-	-	982	244	984	-	-
Dissolved Oxygen	mg/L	-	-	6.8	7.7	7.1	-	-
Volume Discharge	m ³	-	-	50	20	50	30	30
Bicarbonate	mg/L	-	-	179	85	179	-	-
Carbonate	mg/L	-	-	<1	<1	<1	-	-
Suspended Solids (SS)	mg/L	30	20	43.9	14.2	29.9	21.6	22.4
Ammonia-nitrogen	mg/L	0.5	7.1	0.01	0.02	0.01	-	-
Chloride	mg/L	-	-	90	18	90	-	-
Nitrite-nitrogen	mg/L	-	-	0.02	0.02	0.02	-	-
Phosphate	mg/L	5	5	0.02	0.02	0.02	-	-
Sulphate	mg/L	-	-	153	8	160	-	-
Sulphide	mg/L	2.5	2.5	<0.1	<0.1	<0.1	-	-
Total Kjeldahl Nitrogen (TKN)	mg/L	-	-	0.3	0.2	0.3	-	-
Nitrate-nitrogen	mg/L	-	-	0.29	0.12	0.3	-	-
Total Nitrogen (TN)	mg/L	50	50	0.6	0.3	0.6	-	-

Date		Limit Level (DP3)	Limit Level (DP4&6)	11 Aug 25	11 Aug 25	11 Aug 25	22 Aug 25	22 Aug 25
				DP3	DP6	DP3 (Duplicate)	DP3	DP3 (Duplicate)
Biochemical Oxygen Demand	mg/L	20	20	<2	<2	<2	-	-
Chemical Oxygen Demand	mg/L	80	30	10	5	11	-	-
Oil & Grease	mg/L	20	20	<5	<5	<5	-	-
Total Organic Carbon	mg/L	-	-	7	3	6	-	-
Boron	µg/L	1100	1100	270	30	270	-	-
Calcium	mg/L	-	-	98.8	27.8	100	-	-
Mercury	µg/L	1	1	<0.20	<0.20	<0.20	-	-
Magnesium	mg/L	-	-	11.4	1.85	11.2	-	-
Sodium	mg/L	-	-	69.3	11.8	70.5	-	-
Iron	mg/L	3	3	<0.04	<0.04	<0.04	-	-
Potassium	mg/L	-	-	14.8	5.04	14.5	-	-
Cadmium	µg/L	1	1	<0.2	<0.2	<0.2	-	-
Chromium	µg/L	300	300	<1	<1	<1	-	-
Copper	µg/L	300	300	2	<1	2	-	-
Lead	µg/L	300	300	<1	<1	<1	-	-
Manganese	µg/L	-	-	4	28	4	-	-
Nickel	µg/L	300	300	<1	<1	<1	-	-
Zinc	µg/L	-	-	<10	<10	<10	-	-