

Annex F2

Surface Water Quality Monitoring Results

Table F2.1 Surface Water Monitoring Results

		Limit Level	DP4	DP4(Duplicate)
On-site Measurement				
pH Value	pH Unit	6 - 9	8.10	8.02
Electrical Conductivity	µS/cm	-	393.3	321.4
Dissolved Oxygen	mg/L	-	8.10	8.02
Volume Discharge	m ³	-	1390	1390
Laboratory Analysis				
Bicarbonate	mg/L	-	48	49
Carbonate	mg/L	-	2	1
Suspended Solids (SS)	mg/L	20	31.8	30.9
Ammonia-nitrogen	mg/L	7.1	0.18	0.18
Chloride	mg/L	-	24	23
Nitrite-nitrogen	mg/L	-	0.07	0.06
Phosphate	mg/L	5	0.06	0.04
Sulphate	mg/L	-	47	49
Sulphide	mg/L	2.5	<0.1	<0.1
Total Kjeldahl Nitrogen(TKN)	mg/L	-	0.9	0.8
Nitrate-nitrogen	mg/L	-	1.16	1.17
Total Nitrogen(TN)	mg/L	50	2.1	2.1
Biochemical Oxygen Demand	mg/L	20	<2	<2
Chemical Oxygen Demand	mg/L	30	9	10
Oil & Grease	mg/L	20	<5	<5
Total Organic Carbon	mg/L	-	5	5
Boron	µg/L	1100	40	50
Calcium	mg/L	-	24.9	24.8
Mercury	µg/L	1	<0.20	<0.20
Magnesium	mg/L	-	1.61	1.5
Sodium	mg/L	-	16.8	15.8
Iron	mg/L	3	<0.04	<0.04
Potassium	mg/L	-	9.67	9.43
Cadmium	µg/L	1	<0.2	<0.2
Chromium	µg/L	300	3	3
Copper	µg/L	300	2	2
Lead	µg/L	300	<1	<1
Manganese	µg/L	-	<1	<1
Nickel	µg/L	300	<1	<1
Zinc	µg/L	-	<10	<10