

Annex F2

## Surface Water Quality Monitoring Results

**Table F2.1 Surface Water Monitoring Results**

		Limit Level	DP4	DP4(Duplicate)
<b>On-site Measurement</b>				
pH Value	pH Unit	6 - 9	7.57	7.6
Electrical Conductivity	µS/cm	-	2140	2160
Dissolved Oxygen	mg/L	-	6.96	6.43
Volume Discharge	m <sup>3</sup>	-	18	18
<b>Laboratory Analysis</b>				
Bicarbonate	mg/L	-	34	34
Carbonate	mg/L	-	<1	<1
Suspended Solids (SS)	mg/L	20	4.7	7.6
Ammonia-nitrogen	mg/L	7.1	0.03	0.05
Chloride	mg/L	-	410	400
Nitrite-nitrogen	mg/L	-	0.03	0.03
Phosphate	mg/L	5	<0.01	<0.01
Sulphate	mg/L	-	125	112
Sulphide	mg/L	2.5	<0.1	<0.1
Total Kjeldahl Nitrogen(TKN)	mg/L	-	0.5	0.5
Nitrate-nitrogen	mg/L	-	0.79	0.77
Total Nitrogen(TN)	mg/L	50	1.3	1.3
Biochemical Oxygen Demand	mg/L	20	<2	<2
Chemical Oxygen Demand	mg/L	30	22	18
Oil & Grease	mg/L	20	<5	<5
Total Organic Carbon	mg/L	-	5	4
Boron	µg/L	1100	150	150
Calcium	mg/L	-	106	104
Mercury	µg/L	1	<0.20	<0.20
Magnesium	mg/L	-	23.5	23
Sodium	mg/L	-	253	246
Iron	mg/L	3	<0.04	<0.04
Potassium	mg/L	-	19.5	18.8
Cadmium	µg/L	1	<0.2	<0.2
Chromium	µg/L	300	<1	<1
Copper	µg/L	300	3	2
Lead	µg/L	300	<1	<1
Manganese	µg/L	-	17	16
Nickel	µg/L	300	<1	<1
Zinc	µg/L	-	<10	<10