

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	7.8	7.4
Electrical Conductivity	µS/cm	-	643	649
Dissolved Oxygen	mg/L	-	4.8	4.4
Volume Discharge	m <sup>3</sup>	-	3,180	3,180
<b>Laboratory Analysis</b>				
Bicarbonate	mg/L	-	36	36
Carbonate	mg/L	-	<1	<1
Suspended Solids (SS)	mg/L	20	11.4	11.4
Ammonia-nitrogen	mg/L	7.1	0.02	0.03
Chloride	mg/L	-	124	123
Nitrite-nitrogen	mg/L	-	0.02	0.02
Phosphate	mg/L	5	<0.01	<0.01
Sulphate	mg/L	-	42	46
Sulphide	mg/L	2.5	<0.1	<0.1
Total Kjeldahl Nitrogen(TKN)	mg/L	-	0.2	0.2
Nitrate-nitrogen	mg/L	-	0.2	0.2
Total Nitrogen(TN)	mg/L	50	0.4	0.4
Biochemical Oxygen Demand	mg/L	20	<2	<2
Chemical Oxygen Demand	mg/L	30	8	8
Oil & Grease	mg/L	20	<5	<5
Total Organic Carbon	mg/L	-	3	3
Boron	µg/L	1100	50	50
Calcium	mg/L	-	33.2	33.2
Mercury	µg/L	1	<0.20	<0.20
Magnesium	mg/L	-	3.7	3.71
Sodium	mg/L	-	58.6	53.7
Iron	mg/L	3	<0.04	<0.04
Potassium	mg/L	-	9.64	9.65
Cadmium	µg/L	1	<0.2	<0.2
Chromium	µg/L	300	1	1
Copper	µg/L	300	2	1
Lead	µg/L	300	<1	<1
Manganese	µg/L	-	6	7
Nickel	µg/L	300	<1	<1
Zinc	µg/L	-	<10	<10