

Annex F4

Effluent Quality Monitoring Results

Table F4.1 Effluent Monitoring Results

		7 Oct 22	8 Nov 22	6 Dec 22
On-site Measurements				
Temperature	°C	35.3	30.6	20.4
pH Value	pH Unit	8.2	8.1	8.3
Volume Discharged	m ³	1,124	1,374	1,995
Laboratory Analysis				
Suspended Solids (SS)	mg/L	49.0	25.8	51.2
Alkalinity	mg/L	1070	1650	1540
Ammoniacal-nitrogen	mg/L	0.44	0.33	0.16
Chloride	mg/L	1220	1390	2200
Nitrite-nitrogen	mg/L	0.07	0.09	0.32
Phosphate	mg/L	2.45	2.94	12.70
Sulphate	mg/L	385	179	97
Total Nitrogen	mg/L	101.0	70.2	128.0
Nitrate-nitrogen	mg/L	65.4	33.3	41.0
Total Inorganic Nitrogen	mg/L	65.91	33.72	41.48
Biochemical Oxygen Demand (BOD)	mg/L	8	9	25
Chemical Oxygen Demand (COD)	mg/L	484	676	1600
Oil & Grease	mg/L	<5	<5	<5
Total Organic Carbon (TOC)	mg/L	205	226	622
Boron	µg/L	3400	3880	4380
Calcium	mg/L	66.0	59.3	33.6
Iron	mg/L	0.73	1.20	3.33
Magnesium	mg/L	26.4	23.7	33.5
Potassium	mg/L	529	670	1020
Cadmium	µg/L	<1.0	<1.0	<1.0
Chromium	µg/L	74	88	343
Copper	µg/L	<10	<10	29
Nickel	µg/L	74	92	163
Zinc	µg/L	100	66	234