

Annex F4

Effluent Quality Monitoring Results

Table F4.1 Effluent Monitoring Results

		4 Jan 23	2 Feb 23	2 Mar 23
On-site Measurements				
Temperature	°C	25.0	22.0	25.7
pH Value	pH Unit	8.0	8.3	8.4
Volume Discharged	m ³	1,339	1,000	1,021
Laboratory Analysis				
Suspended Solids (SS)	mg/L	14.3	27.2	68
Alkalinity	mg/L	2170	2080	2390
Ammoniacal-nitrogen	mg/L	0.08	0.08	0.02
Chloride	mg/L	1950	2200	1780
Nitrite-nitrogen	mg/L	0.25	0.37	0.1
Phosphate	mg/L	2.96	8.68	7.65
Sulphate	mg/L	201	147	164
Total Nitrogen	mg/L	111	144	87.6
Nitrate-nitrogen	mg/L	42.9	54.3	34.4
Total Inorganic Nitrogen	mg/L	43.23	54.75	34.52
Biochemical Oxygen Demand (BOD)	mg/L	24	17	19
Chemical Oxygen Demand (COD)	mg/L	806	938	1010
Oil & Grease	mg/L	<5	<5	<5
Total Organic Carbon (TOC)	mg/L	257	667	447
Boron	µg/L	5130	5390	5640
Calcium	mg/L	17.7	20.9	19.5
Iron	mg/L	1.76	2.35	1.9
Magnesium	mg/L	24.9	25.2	27.7
Potassium	mg/L	787	910	1030
Cadmium	µg/L	<1.0	<1.0	<1.0
Chromium	µg/L	133	218	146
Copper	µg/L	<10	12	<10
Nickel	µg/L	122	146	119
Zinc	µg/L	43	126	54