



ANNEX F4

EFFLUENT QUALITY MONITORING
RESULTS

TABLE F4.1 EFFLUENT MONITORING RESULTS

Date		5 Oct 23	2 Nov 23	6 Dec 23
On-site Measurements				
Temperature	°C	35.4	33.1	23
pH Value	pH Unit	8.3	8.4	8.2
Volume Discharged	m ³	1,080	1,164	698
Laboratory Analysis				
Suspended Solids (SS)	mg/L	31.1	19.4	55.1
Alkalinity	mg/L	1580	1420	1460
Ammoniacal-nitrogen	mg/L	0.22	0.2	0.94
Chloride	mg/L	1910	1770	1520
Nitrite-nitrogen	mg/L	<0.10	0.02	0.55
Phosphate	mg/L	2.82	0.11	1.94
Sulphate	mg/L	252	165	279
Total Nitrogen	mg/L	132	95	100
Nitrate-nitrogen	mg/L	79	54.4	23.4
Total Inorganic Nitrogen	mg/L	79.22	54.62	24.89
Biochemical Oxygen Demand (BOD)	mg/L	20	18	22
Chemical Oxygen Demand (COD)	mg/L	885	701	1070
Oil & Grease	mg/L	<5	<5	<5
Total Organic Carbon (TOC)	mg/L	270	260	403
Boron	µg/L	4610	3880	5080
Calcium	mg/L	34.6	50.8	45.7
Iron	mg/L	1.6	1.38	1.78
Magnesium	mg/L	34.2	53.4	54.8
Potassium	mg/L	712	550	593
Cadmium	µg/L	<1.0	<1.0	<1.0
Chromium	µg/L	105	93	197
Copper	µg/L	12	<10	<10
Nickel	µg/L	97	78	65
Zinc	µg/L	98	73	69