



ANNEX F4

EFFLUENT QUALITY MONITORING
RESULTS

TABLE F4.1 EFFLUENT MONITORING RESULTS

Date		4 Jan 24	1 Feb 24	7 Mar 24
On-site Measurements				
Temperature	°C	23.9	30.3	19.8
pH Value	pH Unit	8.3	8.4	8.3
Volume Discharged	m ³	582	1390	108
Laboratory Analysis				
Suspended Solids (SS)	mg/L	27.1	40.1	14
Alkalinity	mg/L	1040	1860	2460
Ammoniacal-nitrogen	mg/L	0.13	<1.00	6.55
Chloride	mg/L	1090	1960	2010
Nitrite-nitrogen	mg/L	0.34	0.14	1.01
Phosphate	mg/L	1.90	3.84	9.5
Sulphate	mg/L	296	294	120
Total Nitrogen	mg/L	90.7	86.6	76.3
Nitrate-nitrogen	mg/L	63.9	41.9	22.6
Total Inorganic Nitrogen	mg/L	64.37	42.04	30.16
Biochemical Oxygen Demand (BOD)	mg/L	6	18	26
Chemical Oxygen Demand (COD)	mg/L	609	913	1080
Oil & Grease	mg/L	<5	<5	<5
Total Organic Carbon (TOC)	mg/L	185	319	344
Boron	µg/L	3020	4540	5600
Calcium	mg/L	24.1	27	22
Iron	mg/L	1.34	1.81	2.19
Magnesium	mg/L	23.8	38.1	30
Potassium	mg/L	527	786	837
Cadmium	µg/L	<1.0	<1.0	<1.0
Chromium	µg/L	69	102	134
Copper	µg/L	<10	<10	<10
Nickel	µg/L	67	110	121
Zinc	µg/L	40	43	52