



ANNEX F4

EFFLUENT QUALITY MONITORING
RESULTS

TABLE F4.1 EFFLUENT MONITORING RESULTS

Date		3 Oct 24	7 Nov 24	4 Dec 24
On-site Measurements				
Temperature	°C	29.2	27.7	29
pH Value	pH Unit	8.2	8.5	8.4
Volume Discharged	m ³	1,123	1,290	1,367
Laboratory Analysis				
Suspended Solids (SS)	mg/L	25.7	42.6	30.1
Alkalinity	mg/L	2000	1950	2120
Ammoniacal-nitrogen	mg/L	0.36	<0.01	0.15
Chloride	mg/L	1760	1850	1880
Nitrite-nitrogen	mg/L	0.2	<0.10	0.15
Phosphate	mg/L	5.46	2.96	7.45
Sulphate	mg/L	167	177	135
Total Nitrogen	mg/L	97.2	104	81.7
Nitrate-nitrogen	mg/L	35.4	57.5	31
Total Inorganic Nitrogen	mg/L	35.96	57.50	31.30
Biochemical Oxygen Demand (BOD)	mg/L	13	14	14
Chemical Oxygen Demand (COD)	mg/L	833	810	865
Oil & Grease	mg/L	<5	<5	<5
Total Organic Carbon (TOC)	mg/L	264	317	305
Boron	µg/L	5570	6310	5390
Calcium	mg/L	33	35.3	45.1
Iron	mg/L	1.53	1.38	1.31
Magnesium	mg/L	31.2	31.9	32.5
Potassium	mg/L	782	737	653
Cadmium	µg/L	<1.0	<1.0	<1.0
Chromium	µg/L	113	106	102
Copper	µg/L	<10	<10	<10
Nickel	µg/L	111	103	96
Zinc	µg/L	44	36	26