

Annex F6

Effluent Quality Monitoring Results

Table F6.1 Effluent Monitoring Results

		21 Nov 2021	22 Nov 2021	23 Nov 2021	24 Nov 2021	25 Nov 2021	26 Nov 2021	27 Nov 2021	28 Nov 2021	29 Nov 2021	30 Nov 2021
On-site Measurements											
Temperature	°C	28.9	20.5	18.6	21.5	24.5	24.5	27.5	28.6	28.9	26.0
pH Value	pH Unit	8.4	8.4	8.5	8.4	8.4	8.4	8.5	8.4	8.4	8.3
Volume Discharged	m³	987	301	910	1462	1264	1207	1332	900	486	961
Laboratory Analysis											
Suspended Solids (SS)	mg/L	29.3	35.2	33.3	28.4	24.0	25.3	20.4	26.8	24.3	23.3
Alkalinity	mg/L	2060	2140	2130	2140	2120	2130	2130	2120	2100	2160
Ammoniacal-nitrogen	mg/L	0.33	0.49	0.3	0.3	0.28	0.36	0.31	0.33	0.32	0.84
Chloride	mg/L	1860	1820	2160	2230	2150	2210	2210	2220	2230	2160
Nitrite-nitrogen	mg/L	<0.10	0.38	0.04	0.15	0.05	<0.10	0.14	0.15	0.29	0.63
Phosphate	mg/L	9.36	9.8	10.1	9.52	9.2	9.6	9.66	9.38	9.67	10.3
Sulphate	mg/L	63	64	70	64	63	61	64	64	58	65
Total Nitrogen	mg/L	115	110	95.7	90.4	98	109	112	113	112	102
Nitrate-nitrogen	mg/L	68.5	65.8	50.5	46.4	53.3	64.6	66.8	67.8	69.6	54.6
Biochemical Oxygen Demand (BOD)	mg/L	10	13	12	11	14	10	12	8	6	7
Chemical Oxygen Demand (COD)	mg/L	904	888	888	970	921	929	937	1620	1090	1030
Oil & Grease	mg/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Total Organic Carbon (TOC)	mg/L	324	332	345	362	368	422	358	346	381	392
Boron	µg/L	5130	5280	5450	5070	4900	5140	5260	5440	5500	5290
Calcium	mg/L	15.4	15.4	16	15.3	16.6	16.1	15.4	15.9	15.5	16.1
Iron	mg/L	1.28	1.36	1.53	1.56	1.47	1.37	1.32	1.43	1.32	1.45
Magnesium	mg/L	12.1	12.4	13.3	13	13.8	13.4	13	13.5	13.4	13.3
Potassium	mg/L	1070	1050	844	864	827	856	846	853	892	910
Cadmium	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chromium	µg/L	120	123	123	132	128	128	123	124	122	134
Copper	µg/L	<10	<10	<10	<10	<10	<10	11	<10	<10	<10
Nickel	µg/L	116	116	112	117	113	116	112	111	110	115
Zinc	µg/L	70	70	70	70	70	60	60	60	60	60