

EF40 - IRRIGATION EFFLUENT TESTING RESULTS - 2021

Approved By: General Manager

Version: 1

Issue Date: 24 March 2021

Review Date: 24 March 2024



*Not Tested (NT) No Sample (NS)

ANALYSIS	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	HIGH	LOW	AVE
Ammonia as N in water - mg/L	251	144	0.14	490	190	210	89	120	120	200	240	230	490	0.14	190.35
BOD - mg/L	2670	1790	2160	3000	2300	3100	1800	3300	4100	4800	3900	4000	4800	1790	3076.67
Chloride - mg/L	1705	1063	1386	1600	1700	1700	1900	1200	1300	1100	1600	1600	1900	1063	1487.83
Chromium Total - mg/L	0.21	0.24	0.12	0.31	0.4	0.11	0.28	0.14	0.2	0.032	0.21	0.493	0.493	0.032	0.23
Electrical Conductivity - µS/cm	11650	11110	13440	11500	10100	6270	8140	4310	5310	7810	4620	6170	13440	4310	8369.17
Oil & Grease (LLE) - mg/L	130	92	84	316	206	211	75	305	86	113	93	76	316	75	148.92
pH - pH Units	7.6	7.1	7.9	7.16	7.19	10.31	8.56	10.06	11.85	12.07	11.04	8.64	12.07	7.1	9.12
Total Phosphorus - mg/L	9.94	15.1	7.49	12	82	11	12	13	19	21	20	12	82	7.49	19.54
Sodium - mg/L	1690	2136	2422	1810	1680	1260	2680	900	1080	1240	1070	1630	2680	900	1633.17
Sulphate, SO ₄ - mg/L	2980	2910	4130	2820	3310	1700	4680	510	810	1040	1270	1780	4680	510	2328.33
Total Kjeldahl Nitrogen - mg/L	546	446	354	540	330	440	260	480	580	750	740	650	750	260	509.67
Nitrogen Total - mg/L	547	446	355	540	330	440	260	480	580	750	740	650	750	260	509.83
Nitrate, NO ₃ - mg/L	1.4	0.11	0.65	0.005	1	0.5	0.052	0.94	0.37	0.4	0.47	0.005	1.4	0.005	0.49
Nitrite, NO ₂ - mg/L	0.1	0.1	0.01	1.2	1	0.5	0.09	0.25	0.15	1.5	1	0.34	1.5	0.01	0.52
Total Suspended Solids @ 103-105°C - mg/L	990	1160	910	1600	660	2000	3200	1600	1900	2600	1100	2400	3200	660	1676.67
Total Dissolved Solids (grav) - mg/L	8600	9110	10400	7600	9400	6900	10200	4500	6100	7100	6100	7100	10400	4500	7759.17
Sulphide, S ₂ - mg/L	45.4	1	7.2	63.3	55.6	140	34.5	317	182	225	116	184	317	1	114.25
Sulphite, SO ₃ - mg/L	750	10	75	110	269	288	424	666	465	639	250	600	750	10	378.83
Sulphur, S - mg/L	1110	1250	1740	1090	1220	780	1350	470	530	1340	1380	750	1740	470	1084.17
Hexavalent Chromium, Cr ₆₊ - mg/L	0.1	0.1	0.01	0.002	0.002	0.002	0.02	0.002	0.002	0.002	0.002	0.037	0.1	0.002	0.02
COD - mgO ₂ /L	10100	4080	488	5300	3900	6700	2200	5400	7100	7500	2800	6300	10100	488	5155.67
Potassium - mg/L	54.5	53.4	73.5	90	78	79	75	99	110	91	95	25	110	25	76.95
Calcium - mg/L	191	136	280	88	90	150	32	55	310	510	270	85	510	32	183.08
Magnesium - mg/L	214	316	412	200	300	66	420	4.2	0.3	0.4	2	4.7	420	0.3	161.63
Manganese - mg/L	17	6.68	14.8	25	20	64	46	6	22	24	34	34	64	6	26.12
SAR	20	23	22	24.4	19.1	21.5	27.4	94.1	16.9	15.1	17.8	46.5	94.1	15.1	28.98

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