

GEELOG LEATHER PTY LTD - CULCAIRN

IRRIGATION EFFLUENT TEST RESULTS 2020

EPA ID LOCATION: 13

EPA LICENSE NUMBER: 3465



*Not Tested (NT) No Sample (NS)

ANALYSIS	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	HIGH	LOW	AVE
Ammonia as N in water - mg/L	300	416	24.9	239	324	411	456	368	68	118	113	182	456	24.9	251.66
BOD - mg/L	2400	3320	3130	3970	2250	2880	2400	1920	3630	2900	2730	2880	3970	1920	2867.50
Chloride - mg/L	1087	1387	785	1357	1345	1887	1493	1206	1495	1153	849	1704	1887	785	1312.33
Chromium Total - mg/L	1	0.2	0.1	0.1	1.54	0.1	0.12	1	0.1	0.09	0.1	0.05	1.54	0.05	0.38
Electrical Conductivity - µS/cm	10290	11410	10440	7190	9720	10290	8410	10230	5850	5350	4900	9260	11410	4900	8611.67
Oil & Grease (LLE) - mg/L	469	147	361	233	126	174	199	278	114	213	130	150	469	114	216.17
pH - pH Units	8.4	8.4	7.9	10.2	7.7	8	7.9	9	10.3	10.8	8.6	6.8	10.8	6.8	8.67
Total Phosphorus - mg/L	14.9	5.37	8.4	12	4.05	8.26	11.3	5.62	74.9	15.8	15.3	14.7	74.9	4.05	15.88
Sodium - mg/L	1177	1762	1080	955	1568	2730	1415	1665	1200	1114	968	1310	2730	955	1412.00
Sulphate, SO4 - mg/L	2800	2980	3210	2420	2500	2620	1650	2750	510	799	486	747	3210	486	1956.00
Total Kjeldahl Nitrogen - mg/L	462	548	501	633	409	629	790	404	743	596	442	774	790	404	577.58
Nitrogen Total - mg/L	462	548	502	634	409	629	790	404	743	597	442	775	790	404	577.92
Nitrate N - mg/L	0.44	0.1	0.64	0.9	0.01	0.1	0.55	0.54	0.27	1.29	0.15	0.7	1.29	0.01	0.47
Nitrite N - mg/L	0.01	0.07	0.07	0.02	0.01	0.1	0.5	0.1	0.1	0.04	0.1	0.1	0.5	0.01	0.10
Total Suspended Solids @ 103-105°C - mg/L	2155.56	2360	1630	2448.98	1150	860	2580	660	1800	1000	860	1160	2580	660	1555.38
Total Dissolved Solids (grav) - mg/L	7730	8110	11100	7300	7310	7270	6280	6900	7650	7450	5110	6510	11100	5110	7393.33
Sulphide - mg/L	298	197	297	102	113	197	158	86.8	21	0.2	3.6	0.2	298	0.2	122.82
Sulphite, SO3 - mg/L	45	50	40	140	55	65	35	45	20	45	20	20	140	20	48.33
Sulphur - mg/L	964	1120	1840	947	948	942	4470	1010	757	658	513	690	4470	513	1238.25
Hexavalent Chromium, Cr6+ - mg/L	1	0.01	0.1	0.1	0.1	0.11	0.1	1	0.1	0.05	0.1	0.05	1	0.01	0.24
COD - mgO ₂ /L	8520	7280	18800	9000	5960	4800	9600	4560	14400	6960	5000	7700	18800	4560	8548.33
Potassium - mg/L	47.1	57	32.3	47.9	100	109	54.2	66.3	105	81.7	164	71.1	164	32.3	77.97
Calcium - mg/L	212	389	191	406	235	283	289	222	203	371	102	210	406	102	259.42
Magnesium - mg/L	181	264	141	128	171	325	128	266	15.2	17.1	21.9	13.6	325	13.6	139.32
Manganese - mg/L	14.5	24.7	13.4	29.2	22.5	39.6	32.6	28.6	31.6	48.8	22.5	24.3	48.8	13.4	27.69
SAR	14	17	14	11	19	26	17	18	22	15	23	24	26	11	18.33