

GEE LONG LEATHER PTY LTD - CULCAIRN

IRRIGATION EFFLUENT TEST RESULTS 2016

EPA ID LOCATION: 13

EPA LICENSE NUMBER: 3465



*Not Tested (NT) No Sample (NS)

ANALYSIS	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	HIGH	LOW	AVE
Ammonia as N in water - mg/L	0.79	13	0.01	0.01	NT	NT	3.8	0.53	100	2.8	0.01	100	100	0.01	22.10
BOD - mg/L	4400	4000	2900	2700	NT	NT	2300	2500	6200	3300	5700	2590	6200	2300	3659.00
Chloride - mg/L	657	785	760	815	NT	NT	638	651	1016	761	771	1000	1016	638	785.40
Chromium Total - mg/L	0.06	0.05	0.05	0.05	NT	NT	0.05	0.1	0.05	0.00005	0.08	0.1	0.1	0.00005	0.06
Electrical Conductivity - µS/cm	5790	18920	10630	11430	NT	NT	10100	11480	11290	8960	9170	7340	18920	5790	10511.00
Oil & Grease (LLE) - mg/L	300	42	24	21	NT	NT	78	130	130	110	88	213	300	21	113.60
pH - pH Units	11.8	8.4	8.3	7.6	NT	NT	8.8	8.3	10.5	12.3	9.9	12	12.3	7.6	9.79
Total Phosphorus - mg/L	14.66	9.67	5.17	8.48	NT	NT	8.31	7.29	15.42	25.7	18.76	16.6	25.7	5.17	13.01
Sodium - mg/L	1055	2403	1682	1818	NT	NT	1632	1231	2997	1298	1235	1078	2997	1055	1642.90
Sulphate, SO4 - mg/L	680	3500	2800	2400	NT	NT	2400	2400	3000	590	780	810	3500	590	1936.00
Total Kjeldahl Nitrogen - mg/L	550	580	350	470	NT	NT	420	500	590	550	630	622	630	350	526.20
Nitrogen Total - mg/L	550	580	350	470	NT	NT	420	500	590	550	630	623	630	350	526.30
Nitrate N - mg/L	1.3	0.05	0.05	0.005	NT	NT	0.005	0.005	0.39	1.4	1.6	0.78	1.6	0.005	0.56
Nitrite N - mg/L	0.005	0.35	0.005	0.05	NT	NT	0.08	0.03	0.29	0.01	0.005	0.05	0.35	0.005	0.09
Total Suspended Solids @ 103-105°C - mg/L	2420	2420	2166.67	2890	NT	NT	2640	1950	2660	2828.57	2220	2673.33	2890	1950	2486.86
Total Dissolved Solids (grav) - mg/L	6600	11000	6900	5000	NT	NT	8600	7800	9500	6700	7000	5080	11000	5000	7418.00
Sulphide - mg/L	9.2	17	8.2	16	NT	NT	9.8	21	24	14	14	0.1	24	0.1	13.33
Sulphite - mg/L	250	230	200	240	NT	NT	180	120	260	250	410	325	410	120	246.50
Sulphur - mg/L	750	1700	1000	1200	NT	NT	1100	1000	1500	690	890	788	1700	690	1061.80
Hexavalent Chromium, Cr6+ - mg/L	0.004	0.02	0.036	0.15	NT	NT	0.032	0.004	0.004	0	0.05	0.1	0.15	0	0.04
COD - mgO ₂ /L	6900	5800	4600	4500	NT	NT	3500	5000	8800	8400	7200	7960	8800	3500	6266.00
Potassium - mg/L	84.2	72.9	25.4	39.2	NT	NT	28.3	29.2	79.7	109	74.6	54.1	109	25.4	59.66
Calcium - mg/L	481	222	271	49	NT	NT	304	184	716	473	459	329	716	49	348.80
Magnesium - mg/L	12	379	231	165	NT	NT	228	201	226	18	14	1	379	1	147.50
Manganese - mg/L	40.5	10.6	19.3	8.13	NT	NT	32.2	3.27	0.541	55.6	55.5	3.29	55.6	0.541	22.89
SAR	13	230.05	18	28	NT	NT	17	15	25	16	16	16	230.05	13	39.41