

LORIS H HASSALL TRADING PTY LTD

IRRIGATION EFFLUENT TEST RESULTS 2020

EPA ID LOCATION: 1

EPA LICENSE NUMBER: 12765



*Not Tested (NT) No Sample (NS)

ANALYSIS	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	HIGH	LOW	AVE
Ammonia as N in water - mg/L	124	66	99.9	17.7	19.7	1.58	12.6	1.76	N/S	N/S	N/S	N/S	124	1.58	42.91
BOD - mg/L	2340	1490	2260	1280	2*	1090	1260	821	N/S	N/S	N/S	N/S	2340	821	1505.86
Chloride - mg/L	589	195	691	2704	616	568	609	597	N/S	N/S	N/S	N/S	2704	195	821.13
Electrical Conductivity - µS/cm	4670	2890	5160	5930	3980	3350	3480	3620	N/S	N/S	N/S	N/S	5930	2890	4135.00
Oil & Grease (LLE) - mg/L	21	46	47	57	48	23	32	35	N/S	N/S	N/S	N/S	57	21	38.63
pH - pH Units	9.2	11.3	8.3	12	12.2	11.6	12	11.9	N/S	N/S	N/S	N/S	12.2	8.3	11.06
Total Phosphorus - mg/L	2.04	7.78	10.9	2.87	3.94	18	10	11.1	N/S	N/S	N/S	N/S	18	2.04	8.33
Sodium - mg/L	650	604	788	2552	587	561	720	577	N/S	N/S	N/S	N/S	2552	561	879.88
Sulphate, SO4 - mg/L	257	367	154	91	105	421	85	66	N/S	N/S	N/S	N/S	421	66	193.25
Total Kjeldahl Nitrogen - mg/L	488	260	418	233	291	395	284	304	N/S	N/S	N/S	N/S	488	233	334.13
Nitrogen Total - mg/L	488	260	418	233	291	395	284	304	N/S	N/S	N/S	N/S	488	233	334.13
Nitrate N - mg/L	0.15	0.36	0.1	0.21	0.29	0.22	0.22	0.14	N/S	N/S	N/S	N/S	0.36	0.1	0.21
Nitrite N - mg/L	0.05	0.01	0.1	0.02	0.01	0.1	0.2	0.01	N/S	N/S	N/S	N/S	0.2	0.01	0.06
Total Suspended Solids @ 103-105°C - mg/L	765.96	391.3	480.77	500	350	710	620	430	N/S	N/S	N/S	N/S	765.96	350	531.00
Total Dissolved Solids (grav) - mg/L	3570	3470	4720	5770	3480	4290	3290	3100	N/S	N/S	N/S	N/S	5770	3100	3961.25
Sulphide - mg/L	85.3	104	86.2	90	70.8	78	32.9	11.1	N/S	N/S	N/S	N/S	104	11.1	69.79
Sulphite - mg/L	120	65	10	22	52	40	40	15	N/S	N/S	N/S	N/S	120	10	45.50
Sulphur - mg/L	197	226	187	176	247	284	141	204	N/S	N/S	N/S	N/S	284	141	207.75
COD - mgO ₂ /L	5080	3040	5800	3300	2560	5200	3320	1490	N/S	N/S	N/S	N/S	5800	1490	3723.75
Potassium - mg/L	66.2	48.2	89.8	51.7	35.3	49.1	96.1	1.2	N/S	N/S	N/S	N/S	96.1	1.2	54.70
Calcium - mg/L	237	65	108	185	184	131	187	99	N/S	N/S	N/S	N/S	237	65	149.50
Magnesium - mg/L	16.3	13	14.8	22.7	15.7	15.8	21.4	16.3	N/S	N/S	N/S	N/S	22.7	13	17.00
Manganese - mg/L	0.259	0.076	0.159	0.193	0.162	0.18	0.194	0.25	N/S	N/S	N/S	N/S	0.259	0.076	0.18
SAR	11	18	19	47	11	12	13	14	N/S	N/S	N/S	N/S	47	11	18.13