

LORIS H HASSALL TRADING PTY LTD

TREATED BRINE EFFLUENT TEST RESULTS 2020

EPA ID LOCATION: NA

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
pH - pH Units	9.5	10.2	NS	10.9	10.6	10.4	11	9.9	9.7				11	9.5	10.28
EC (Electrical Conductivity) - µS/cm	337000	360000	NS	458000	441000	462000	495000	270000	390000				495000	270000	401625.00
Chloride - mg/L	84737	164770	NS	290006	129309	134404	152602	140246	165069				290006	84737	157642.88
TKN - N (Total Kjeldahl Nitrogen as N) - mg/L	1230	1150	NS	1090	1250	1240	518	925	796				1250	518	1024.88
Total P (Phosphorus) - mg/L	5.77	97.3	NS	68.5	74	92.5	22.1	14.1	30.4				97.3	5.77	50.58
Total Suspended Solids - mg/L	1608.7	2700	NS	1860	2780	2880	1100	2140	3940				3940	1100	2376.09
TDS (Total Dissolved Solids) - mg/L	246000	151000	NS	226000	252000	215000	194000	168000	255000				255000	151000	213375.00
BOD (Biological Oxygen Demand) - mg/L	8220	7950	NS	3640	2*	3680	2580	3670	3190				8220	2580	4704.29
COD (Chemical Oxygen Demand) - mg/L	24000	21800	NS	10200	17100	9500	15200	13700	15600				24000	9500	15887.50
Nitrate - mg/L	0.1	0.1	NS	0.11	0.1	0.19	0.2	0.11	0.1				0.2	0.1	0.13
Nitrite N - mg/L	0.1	0.15	NS	0.14	0.2	0.13	0.2	0.01	0.1				0.2	0.01	0.13
Total N (Nitrogen) - mg/L	1230	1150	NS	1090	1250	1240	518	925	796				1250	518	1024.88
DEM (Oil & Grease) - mg/L	14	13	NS	21	5	13	8	12	5				21	5	11.38
Sodium - mg/L	95363	97374	NS	157968	87634	84657	112811	64538	100323				157968	64538	100083.50
Potassium - mg/L	700	71.9	NS	1460	653	706	1040	665	1490				1490	71.9	848.24
Calcium - mg/L	44	232	NS	23	44	45	39	28	48				232	23	62.88
Magnesium - mg/L	36.6	193	NS	15.7	79.2	49	65.1	40.5	41.8				193	15.7	65.11
SAR	2575	1143	NS	6233	1826	2083	2567	1822	215				6233	215	2308.00