LORIS H HASSALL TRADING PTY LTD

TREATED BRINE EFFLUENT TEST RESULTS 2021

EPA ID LOCATION: NA

EPA LICENSE NUMBER: 12765

*Not Tested (NT) No Sample (NS)

ANALYSIS	LOR	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	HIGH	LOW	AVE
pH - pH Units	-	10.16	10.38	10.61	11.68	10.19	9.85	9.9	11.68	9.85	10.40
EC (Electrical Conductivity) - µS/cm	5	234000	228000	231000	222000	218000	223000	214000	234000	214000	224285.71
TKN - N (Total Kjeldahl Nitrogen as N) - mg/L	0.05	420	380	510	430	560	430	280	560	280	430.00
Total P (Phosphorus) - mg/L	0.01	6.4	11	5.8	9.4	7.8	7.4	4.2	11	4.2	7.43
Total Suspended Solids - mg/L	1	2900	2000	1600	2400	980	380	190	2900	190	1492.86
TDS (Total Dissolved Solids) - mg/L	1	253000	241000	254000	234000	18800	235000	171000	254000	18800	200971.43
BOD (Biological Oxygen Demand) - mg/L	2	2800	2700	2900	2900	34100	2900	2000	34100	2000	7185.71
COD (Chemical Oxygen Demand) - mg/L	2	13000	5600	9800	4300	13700	5200	7400	13700	4300	8428.57
Nitrate - mg/L	0.005	0.26	1.1	1.5	1.1	2.1	0.79	1.5	2.1	0.26	1.19
Nitrite N - mg/L	0.005	0.31	1.1	1.5	1.1	1.1	1.1	0.74	1.5	0.31	0.99
DEM (Oil & Grease) - mg/L	2	9	5	0.4	21	5	5	4	21	0.4	7.06
Sulphide as S2 - mg/L	0.02	0.02	0.88	2.54	5.28	0.02	1.15	3.03	5.28	0.02	1.85
Sulphur as S - mg/L	0.1	280	170	380	210	260	300	180	380	170	254.29
Sulphite as SO3 2- mg/L	0.05	0.5	0.5	1	0.5	0.5	0.31	1	1	0.31	0.62
Chloride - mg/L	2	170000	170000	160000	160000	130000	150000	120000	170000	120000	151428.57
Sodium - mg/L	1	95000	86500	81100	96200	93100	96500	66500	96500	66500	87842.86
Potassium - mg/L	0.2	790	1000	860	1490	970	990	900	1490	790	1000.00
Calcium - mg/L	0.1	15	17	20	3.5	1.7	17	19	20	1.7	13.31
Magnesium - mg/L	0.05	18	11	8.8	3.9	7	51	52	52	3.9	21.67
SAR	0.8	3910	4010	3800	8400	7040	2640	1790	8400	1790	4512.86
Sulphate - mg/L	5	750	720	860	570	600	800	450	860	450	678.57
Total N (Nitrogen) - mg/L	0.05	420	380	510	430	560	430	280	560	280	430.00