

EVAPORATION PAN TEST RESULTS 2021

EPA ID LOCATION:

EPA LICENSE NUMBER: 12765

Not Tested (NT) No Sample (NS) Reduced Monthly Testing(*)

ANALYSIS	EVAPORATION PAN 1								AVE	EVAPORATION PAN 2								AVE	EVAPORATION PAN 3								AVE
	Feb	Mar*	Apr*	May	Jun*	Jul*	Aug	Nov		Feb	Mar*	Apr*	May	Jun*	Jul*	Aug	Nov		Feb	Mar*	Apr*	May	Jun*	Jul*	Aug	Nov	
pH - pH Units	8.3	8.08	8.63	9.65	NS	NS			8.67	8.27	8.37	8.89	9.8	8.96	8.69			8.83	8.21	8.44	8.53	9.3	8.91	8.7			8.68
EC (Electrical Conductivity) - µS/cm	234000	NT	NT	178000	NS	NS			206000.00	232000	NT	NT	166000	NT	NT			199000.00	230000	NT	NT	187000	NT	NT			208500.00
TKN - N (Total Kjeldahl Nitrogen as N) - mg/L	400	NT	NT	160	NS	NS			280.00	470	NT	NT	180	NT	NT			325.00	500	NT	NT	230	NT	NT			365.00
Total P (Phosphorus) - mg/L	20	NT	NT	5.7	NS	NS			12.85	25	NT	NT	7.2	NT	NT			16.10	33	NT	NT	15	NT	NT			24.00
Total N (Nitrogen) - mg/L	400	NT	NT	160	NS	NS			280.00	470	NT	NT	180	NT	NT			325.00	500	NT	NT	230	NT	NT			365.00
Total Suspended Solids - mg/L	610	380	45	71	NS	NS			276.50	560	400	30	53	900	210			358.83	740	970	260	320	700	210			533.33
TDS (Total Dissolved Solids) - mg/L	226000	32600	120000	165000	NS	NS			135900.00	261000	327000	86300	146000	207000	88300			185933.33	267000	353000	161000	170000	210000	152000			218833.33
BOD (Biological Oxygen Demand) - mg/L	6600	9000	NS	3800	NS	NS			6466.67	10200	12500	NS	3100	7700	2600			7220.00	7800	10100	3700	5200	8300	4000			6516.67
COD (Chemical Oxygen Demand) - mg/L	8900	11800	2200	4400	NS	NS			6825.00	10600	14300	2300	3900	14700	2500			8050.00	9900	10400	3600	5500	8500	4400			7050.00
Nitrate - mg/L	0.73	NT	NT	0.005	NS	NS			0.37	0.69	NT	NT	0.025	NT	NT			0.36	0.61	NT	NT	0.025	NT	NT			0.32
NOx - mg/L	1.2	NT	NT	0.2	NS	NS			0.70	1.4	NT	NT	0.025	NT	NT			0.71	1.3	NT	NT	0.025	NT	NT			0.66
Nitrite N - mg/L	0.44	NT	NT	0.2	NS	NS			0.32	0.73	NT	NT	0.025	NT	NT			0.38	0.7	NT	NT	0.025	NT	NT			0.36
DEM (Oil & Grease) - mg/L	6	2	15	3	NS	NS			6.50	9	3	2	3	4	3			4.00	9	3	9	21	3	6			8.50
Sulphide - mg/L	3.79	NT	NT	0.1	NS	NS			1.95	4.41	NT	NT	0.1	NT	NT			2.26	5.08	NT	NT	0.1	NT	NT			2.59
Sulphur (total) - mg/L	470	NT	NT	290	NS	NS			380.00	780	NT	NT	340	NT	NT			560.00	340	NT	NT	170	NT	NT			255.00
Manganese - mg/L	0.76	NT	NT	0.15	NS	NS			0.46	0.67	NT	NT	0.15	NT	NT			0.41	0.43	NT	NT	0.16	NT	NT			0.30
Sulphite - mg/L	17	NT	NT	6	NS	NS			11.50	24	NT	NT	6	NT	NT			15.00	20	NT	NT	6	NT	NT			13.00
Chloride - mg/L	170000	NT	NT	98000	NS	NS			134000.00	170000	NT	NT	57000	NT	NT			113500.00	190000	NT	NT	75000	NT	NT			132500.00
Ammonia - mg/L	60	NT	NT	5.2	NS	NS			32.60	78	NT	NT	2.2	NT	NT			40.10	100	NT	NT	2.7	NT	NT			51.35
Sodium - mg/L	102000	NT	NT	58100	NS	NS			80050.00	100000	NT	NT	51100	NT	NT			75550.00	105000	NT	NT	63600	NT	NT			84300.00
Potassium - mg/L	2190	NT	NT	1430	NS	NS			1810.00	3160	NT	NT	1750	NT	NT			2455.00	2340	NT	NT	1520	NT	NT			1930.00
Calcium - mg/L	38	NT	NT	8	NS	NS			23.00	33	NT	NT	7.1	NT	NT			20.05	26	NT	NT	8.9	NT	NT			17.45
Magnesium - mg/L	86	NT	NT	6.5	NS	NS			46.25	100	NT	NT	12	NT	NT			56.00	66	NT	NT	21	NT	NT			43.50
SAR	2090	NT	NT	4880	NS	NS			3485.00	1960	NT	NT	3140	NT	NT			2550.00	2490	NT	NT	2950	NT	NT			2720.00
Sulphate - mg/L	1230	NT	NT	710	NS	NS			970.00	1920	NT	NT	1040	NT	NT			1480.00	890	NT	NT	600	NT	NT			745.00

ANALYSIS	EVAPORATION PAN 4								AVE	EVAPORATION PAN 5								AVE	EVAPORATION PAN 6								AVE
	Feb	Mar*	Apr*	May	Jun*	Jun*	Aug	Nov		Feb	Mar*	Apr*	May	Jun*	Jun*	Aug	Nov		Feb	Mar*	Apr*	May	Jun*	Jun*	Aug	Nov	
pH - pH Units	NS	NS	NS	NS	NS	NS			NT	7.68	8.01	8.36	8.24	8.2	8.43			8.15	8.85	7.94	8.46	8.55	8.75	8.26			8.47
EC (Electrical Conductivity) - µS/cm	NS	NS	NS	NS	NS	NS			NT	239000	NT	NT	175000	NT	NT			207000.00	229000	NT	NT	176000	NT	NT			202500.00
TKN - N (Total Kjeldahl Nitrogen as N) - mg/L	NS	NS	NS	NS	NS	NS			NT	220	NT	NT	190	NT	NT			205.00	260	NT	NT	160	NT	NT			210.00
Total P (Phosphorus) - mg/L	NS	NS	NS	NS	NS	NS			NT	6	NT	NT	2.6	NT	NT			4.30	6	NT	NT	2.4	NT	NT			4.20
Total N (Nitrogen) - mg/L	NS	NS	NS	NS	NS	NS			NT	220	NT	NT	190	NT	NT			205.00	260	NT	NT	160	NT	NT			210.00
Total Suspended Solids - mg/L	NS	NS	NS	NS	NS	NS			NT	100	80	29	65	80	73			71.17	88	1	1	53	20	75			39.67
TDS (Total Dissolved Solids) - mg/L	NS	NS	NS	NS	NS	NS			NT	290000	309000	154000	143000	196000	147000			206500.00	240000	284000	97700	151000	209000	113000			182450.00
BOD (Biological Oxygen Demand) - mg/L	NS	NS	NS	NS	NS	NS			NT	2600	3000	NS	1500	2300	1500			2180.00	3100	3400	NS	1000	3400	1200			2420.00
COD (Chemical Oxygen Demand) - mg/L	NS	NS	NS	NS	NS	NS			NT	4100	4800	3100	1700	4500	1600			3300.00	4300	4400	1000	2100	4800	1600			3033.33
Nitrate - mg/L	NS	NS	NS	NS	NS	NS			NT	0.022	NT	NT	0.025	NT	NT			0.02	0.15	NT	NT	0.031	NT	NT			0.09
NOx - mg/L	NS	NS	NS	NS	NS	NS			NT	0.31	NT	NT	0.025	NT	NT			0.17	0.27	NT	NT	0.059	NT	NT			0.16
Nitrite N - mg/L	NS	NS	NS	NS	NS	NS			NT	0.28	NT	NT	0.025	NT	NT			0.15	0.12	NT	NT	0.028	NT	NT			0.07
DEM (Oil & Grease) - mg/L	NS	NS	NS	NS	NS	NS			NT	4	5	5	4	3	2			3.83	3	4	4	7	8	2			4.67
Sulphide - mg/L	NS	NS	NS	NS	NS	NS			NT	1.87	NT	NT	0.02	NT	NT			0.95	1.92	NT	NT	0.02	NT	NT			0.97
Sulphur (total) - mg/L	NS	NS	NS	NS	NS	NS			NT	250	NT	NT	110	NT	NT			180.00	250	NT	NT	120	NT	NT			185.00
Manganese - mg/L	NS	NS	NS	NS	NS	NS			NT	0.51	NT	NT	0.23	NT	NT			0.37	0.2	NT	NT	0.27	NT	NT			0.24
Sulphite - mg/L	NS	NS	NS	NS	NS	NS			NT	4	NT	NT	3	NT	NT			3.50	7	NT	NT	3	NT	NT			5.00
Chloride - mg/L	NS	NS	NS	NS	NS	NS			NT	190000	NT	NT	66000	NT	NT			128000.00	150000	NT	NT	78000	NT	NT			114000.00
Ammonia - mg/L	NS	NS	NS	NS	NS	NS			NT	140	NT	NT	72	NT	NT			106.00	120	NT	NT	36	NT	NT			78.00
Sodium - mg/L	NS	NS	NS	NS	NS	NS			NT	104000	NT	NT	50100	NT	NT			77050.00	108000	NT	NT	53300	NT	NT			80650.00
Potassium - mg/L	NS	NS	NS	NS	NS	NS			NT	1550	NT	NT	790	NT	NT			1170.00	1380	NT	NT	800	NT	NT			1090.00
Calcium - mg/L	NS	NS	NS	NS	NS	NS			NT	43	NT	NT	22	NT	NT			32.50	13	NT	NT	17	NT	NT			15.00
Magnesium - mg/L	NS	NS	NS	NS	NS	NS			NT	100	NT	NT	44	NT	NT			72.00	79	NT	NT	44	NT	NT			61.50
SAR	NS	NS	NS	NS	NS	NS			NT	1990	NT	NT	1630	NT	NT			1810.00	2480	NT	NT	1720	NT	NT			2100.00
Sulphate - mg/L	NS	NS	NS	NS	NS	NS			NT	670	NT	NT	410	NT	NT			540.00	700	NT	NT	360	NT	NT			530.00