

Tharbogang Borehole Test Results 2024

Depth (m)

Bore Hole 1
Bore Hole 2
Bore Hole 3
Bore Hole 4
Bore Hole 5
Bore Hole 6
Bore Hole 7
Leachate dam 1 Pt 9
Sed Pond dam 2 Pt 8

Test Results		2024				
Mar-24	Sep-24	Frequency require by EPL sample for period	MIN of samples for period	MAX of samples for period	AVERAGE	Publication Date
10.81	10.58	2	10.58	10.81	10.695	27/03/2024
0.00	0.00	2	0	0	0	27/03/2024
12.40	13.23	2	12.4	13.23	12.815	27/03/2024
6.00	5.60	2	5.6	6	5.8	27/03/2024
18.31	18.31	2	18.31	18.31	18.31	27/03/2024
17.40	17.50	2	17.4	17.5	17.45	27/03/2024
19.80	19.87	2	19.8	19.87	19.835	27/03/2024
0.00	0.00	2	0	0	0	27/03/2024
0.00	0.00	2	0	0	0	27/03/2024

pH

Bore Hole 1
Bore Hole 2
Bore Hole 3
Bore Hole 4
Bore Hole 5
Bore Hole 6
Bore Hole 7
Leachate dam 1 Pt 9
Sed Pond dam 2 Pt 8

Test Results						
Mar-24	Sep-24					
7.80	7.71	2	7.8	7.8	7.8	27/03/2024
0.00	0.00	2	0	0	0	27/03/2024
7.48	7.40	2	7.4	7.48	7.44	27/03/2024
7.35	7.69	2	7.35	7.69	7.52	27/03/2024
7.61	7.63	2	7.61	7.63	7.62	27/03/2024
7.88	8.08	2	7.88	8.08	7.98	27/03/2024
7.56	7.78	2	7.56	7.78	7.67	27/03/2024
9.59	9.14	2	9.59	9.59	9.59	27/03/2024
8.27	8.39	2	8.27	8.39	8.33	27/03/2024

Alkalinity (mg/L)

Bore Hole 1
Bore Hole 2
Bore Hole 3
Bore Hole 4
Bore Hole 5
Bore Hole 6
Bore Hole 7
Leachate dam 1 Pt 9
Sed Pond dam 2 Pt 8

Test Results						
Mar-24	Sep-24					
515.00	502.00	2	515	515	515	27/03/2024
0.00	0.00	2	0	0	0	27/03/2024
322.00	308.00	2	339	322	322	27/03/2024
1430.00	1380.00	2	1300	1430	1430	27/03/2024
817.00	821.00	2	827	821	821	27/03/2024
1040.00	998.00	2	1000	1040	1040	27/03/2024
1070.00	1030.00	2	936	1070	1070	27/03/2024
919.00	485.00	2	917	919	919	27/03/2024
257.00	879.00	2	237	879	879	27/03/2024

Fluoride (mg/L)

Bore Hole 1
Bore Hole 2
Bore Hole 3
Bore Hole 4
Bore Hole 5
Bore Hole 6
Bore Hole 7
Leachate dam 1 Pt 9
Sed Pond dam 2 Pt 8

Test Results						
Mar-24	Sep-24					
0.90	0.90	2	0.9	0.9	0.9	27/03/2024
0.00	0.00	2	0	0	0	27/03/2024
0.90	0.80	2	0.8	0.9	0.9	27/03/2024
0.50	0.60	2	0.5	0.7	0.7	27/03/2024
0.90	0.90	2	0.9	1	1	27/03/2024
1.10	1.00	2	1	1.2	1.2	27/03/2024
0.60	0.70	2	0.6	0.7	0.7	27/03/2024
0.40	0.30	2	0.3	0.7	0.7	27/03/2024
0.40	0.40	2	0.4	0.5	0.5	27/03/2024

Chloride (mg/L)

Bore Hole 1
Bore Hole 2
Bore Hole 3
Bore Hole 4
Bore Hole 5
Bore Hole 6
Bore Hole 7
Leachate dam 1 Pt 9
Sed Pond dam 2 Pt 8

Test Results						
Mar-24	Sep-24					
1260.00	1180.00	2	1180	1260	1260	27/03/2024
0.00	0.00	2	0	0	0	27/03/2024
474.00	442.00	2	442	474	474	27/03/2024
5180.00	4290.00	2	4290	5180	5180	27/03/2024
779.00	1040.00	2	779	1040	1040	27/03/2024
1500.00	1350.00	2	1350	1500	1500	27/03/2024
1150.00	701.00	2	701	1150	1150	27/03/2024
1170.00	775.00	2	775	1170	1170	27/03/2024
125.00	74.00	2	74	125	125	27/03/2024

Tharbogang Borehole Test Results 2024

Sulphate (mg/L) SO₄

	Test Results						
	Mar-24	Sep-24					
Bore Hole 1	313.00	1180.00	2	308	313	313	27/03/2024
Bore Hole 2	0.00	0.00	2	0	0	0	27/03/2024
Bore Hole 3	30.00	442.00	2	30	30	30	27/03/2024
Bore Hole 4	602.00	4290.00	2	542	602	602	27/03/2024
Bore Hole 5	53.00	1040.00	2	53	107	107	27/03/2024
Bore Hole 6	241.00	1350.00	2	221	241	241	27/03/2024
Bore Hole 7	353.00	701.00	2	353	369	369	27/03/2024
Leachate dam 1 Pt 9	18.00	775.00	2	18	18	18	27/03/2024
Sed Pond dam 2 Pt 8	9.00	74.00	2	9	29	29	27/03/2024

Sp.Conductance (uS/cm)

	Test Results						
	Mar-24	Sep-24					
Bore Hole 1	5400.00	5450.00	2	5400	5450	5450	27/03/2024
Bore Hole 2	0.00	0.00	2	0	0	0	27/03/2024
Bore Hole 3	1930.00	1980.00	2	1930	1980	1980	27/03/2024
Bore Hole 4	16600.00	15100.00	2	15100	16600	16600	27/03/2024
Bore Hole 5	3400.00	4790.00	2	3400	4790	4790	27/03/2024
Bore Hole 6	6500.00	6480.00	2	6480	6500	6500	27/03/2024
Bore Hole 7	8920.00	7260.00	2	7260	8920	8920	27/03/2024
Leachate dam 1 Pt 9	5320.00	4080.00	2	4080	5320	5320	27/03/2024
Sed Pond dam 2 Pt 8	876.00	659.00	2	659	876	876	27/03/2024

Suspended.Solid (mg/L)

	Test Results						
	Mar-24	Sep-24					
Bore Hole 1	22.00	14.00	2	14	22	18	27/03/2024
Bore Hole 2	0.00	0.00	2	0	0	0	27/03/2024
Bore Hole 3	26.00	16.00	2	16	26	21	27/03/2024
Bore Hole 4	<5	<5	2	0	0	0	27/03/2024
Bore Hole 5	22.00	22.00	2	22	22	22	27/03/2024
Bore Hole 6	119.00	62.00	2	62	119	90.5	27/03/2024
Bore Hole 7	30.00	41.00	2	30	41	35.5	27/03/2024
Leachate dam 1 Pt 9	72.00	14.00	2	14	72	43	27/03/2024
Sed Pond dam 2 Pt 8	62.00	12.00	2	12	62	37	27/03/2024

Total Org Carbon-filt (mg/L)

	Test Results						
	Mar-24	Sep-24					
Bore Hole 1	33.00	32.00	2	32	33	32.5	27/03/2024
Bore Hole 2	0.00	0.00	2	0	0	0	27/03/2024
Bore Hole 3	2.00	2.00	2	2	2	2	27/03/2024
Bore Hole 4	29.00	19.00	2	19	29	24	27/03/2024
Bore Hole 5	16.00	16.00	2	16	16	16	27/03/2024
Bore Hole 6	8.00	5.00	2	5	8	6.5	27/03/2024
Bore Hole 7	17.00	18.00	2	17	18	17.5	27/03/2024
Leachate dam 1 Pt 9	138.00	117.00	2	117	138	127.5	27/03/2024
Sed Pond dam 2 Pt 8	102.00	22.00	2	22	102	62	27/03/2024

Total Phenol (mg/L)

	Test Results						
	Mar-24	Sep-24					
Bore Hole 1	<1.0		2	<1.0	<1.0	<1.0	27/03/2024
Bore Hole 2	0.00		2	0	0	0	27/03/2024
Bore Hole 3	<1.0		2	<1.0	<1.0	<1.0	27/03/2024
Bore Hole 4	<1.0		2	<1.0	<1.0	<1.0	27/03/2024
Bore Hole 5	<1.0		2	<1.0	<1.0	<1.0	27/03/2024
Bore Hole 6	<1.0		2	<1.0	<1.0	<1.0	27/03/2024
Bore Hole 7	<1.0		2	<1.0	<1.0	<1.0	27/03/2024
Leachate dam 1 Pt 9	0.00		2	<1.0	<1.0	<1.0	27/03/2024
Sed Pond dam 2 Pt 8	<1.0		2	<1.0	<1.0	<1.0	27/03/2024

Tharbogang Borehole Test Results 2024

Dissolved Iron (mg/L)

	Test Results						
	Mar-24	Sep-24					
Bore Hole 1	0.46	0.33	2	0.33	0.46	0.395	27/03/2024
Bore Hole 2	0.00	0.00	2	0	0.00	0	27/03/2024
Bore Hole 3	1.20	0.47	2	0.47	1.20	0.835	27/03/2024
Bore Hole 4	1.01	0.44	2	0.44	1.01	0.725	27/03/2024
Bore Hole 5	4.30	2.63	2	2.63	4.30	3.465	27/03/2024
Bore Hole 6	1.24	0.40	2	0.4	1.24	0.82	27/03/2024
Bore Hole 7	0.23	0.42	2	0.23	0.42	0.325	27/03/2024
Leachate dam 1 Pt 9	0.64	0.64	2	0.64	0.64	0.64	27/03/2024
Sed Pond dam 2 Pt 8	0.94	0.20	2	0.2	0.94	0.57	27/03/2024

Dissolved Manganese (mg/L)

	Test Results						
	Mar-24	Sep-24					
Bore Hole 1	0.031	0.024	2	0.024	0.031	0.0275	27/03/2024
Bore Hole 2	0.000	0.000	2	0	0	0	27/03/2024
Bore Hole 3	0.034	0.028	2	0.028	0.034	0.031	27/03/2024
Bore Hole 4	1.020	0.463	2	0.463	1.02	0.7415	27/03/2024
Bore Hole 5	0.268	0.392	2	0.268	0.392	0.33	27/03/2024
Bore Hole 6	0.054	0.067	2	0.054	0.067	0.0605	27/03/2024
Bore Hole 7	0.528	0.440	2	0.44	0.528	0.484	27/03/2024
Leachate dam 1 Pt 9	0.027	0.088	2	0.027	0.088	0.0575	27/03/2024
Sed Pond dam 2 Pt 8	0.155	0.113	2	0.113	0.155	0.134	27/03/2024

Dissolved Calcium (mg/L)

	Test Results						
	Mar-24	Sep-24					
Bore Hole 1	27.000	122.000	2	23	27	25.00	27/03/2024
Bore Hole 2	0.000	0.000	2	0	0	0.00	27/03/2024
Bore Hole 3	12.000	17.000	2	8	12	10.00	27/03/2024
Bore Hole 4	206.000	306.000	2	167	206	186.50	27/03/2024
Bore Hole 5	203.000	148.000	2	124	203	163.50	27/03/2024
Bore Hole 6	83.000	119.000	2	68	83	75.50	27/03/2024
Bore Hole 7	301.000	368.000	2	251	301	276.00	27/03/2024
Leachate dam 1 Pt 9	12.000	75.000	2	12	30	21.00	27/03/2024
Sed Pond dam 2 Pt 8	28.000	16.000	2	25	28	26.50	27/03/2024

Dissolved Magnesium (mg/L)

	Test Results						
	Mar-24	Sep-24					
Bore Hole 1	128.00	#REF!	2	122	128	125	27/03/2024
Bore Hole 2	0.00	#REF!	2	0	0	0	27/03/2024
Bore Hole 3	19.00	#REF!	2	17	19	18	27/03/2024
Bore Hole 4	370.00	#REF!	2	306	370	338	27/03/2024
Bore Hole 5	137.00	#REF!	2	137	148	142.5	27/03/2024
Bore Hole 6	132.00	#REF!	2	119	132	125.5	27/03/2024
Bore Hole 7	425.00	#REF!	2	368	425	396.5	27/03/2024
Leachate dam 1 Pt 9	81.00	#REF!	2	75	81	78	27/03/2024
Sed Pond dam 2 Pt 8	22.00	#REF!	2	16	22	19	27/03/2024

Dissolved Potassium (mg/L)

	Test Results						
	Mar-24	Sep-24					
Bore Hole 1	66.00	64.00	2	64	66	65	27/03/2024
Bore Hole 2	0.00	0.00	2	0	0	0	27/03/2024
Bore Hole 3	10.00	10.00	2	10	10	10	27/03/2024
Bore Hole 4	154.00	138.00	2	138	154	146	27/03/2024
Bore Hole 5	33.00	40.00	2	33	40	36.5	27/03/2024
Bore Hole 6	60.00	58.00	2	58	60	59	27/03/2024
Bore Hole 7	137.00	130.00	2	130	137	133.5	27/03/2024
Leachate dam 1 Pt 9	374.00	252.00	2	252	374	313	27/03/2024
Sed Pond dam 2 Pt 8	50.00	34.00	2	34	50	42	27/03/2024

Tharbogang Borehole Test Results 2024

Dissolved Sodium (mg/L)

	Test Results						
	Mar-24	Sep-24					
Bore Hole 1	917.00	905.00	2	905	917	911	27/03/2024
Bore Hole 2	0.00	0.00	2	0	0	0	27/03/2024
Bore Hole 3	376.00	375.00	2	375	376	375.5	27/03/2024
Bore Hole 4	3170.00	2660.00	2	2660	3170	2915	27/03/2024
Bore Hole 5	352.00	626.00	2	352	626	489	27/03/2024
Bore Hole 6	1140.00	1140.00	2	1140	1140	1140	27/03/2024
Bore Hole 7	947.00	697.00	2	697	947	822	27/03/2024
Leachate dam 1 Pt 9	814.00	546.00	2	546	814	680	27/03/2024
Sed Pond dam 2 Pt 8	814.00	64.00	2	64	814	439	27/03/2024

Ammonia (as N) (mg/L) N

	Test Results						
	Mar-24	Sep-24					
Bore Hole 1	0.02	0.02	2	0.02	0.02	0.02	27/03/2024
Bore Hole 2	0.00	0.00	2	0	0	0	27/03/2024
Bore Hole 3	0.02	0.02	2	0.02	0.02	0.02	27/03/2024
Bore Hole 4	0.22	0.14	2	0.14	0.22	0.18	27/03/2024
Bore Hole 5	<0.01	0.63	2	0.63	0.63	0.63	27/03/2024
Bore Hole 6	0.01	0.25	2	0.01	0.25	0.13	27/03/2024
Bore Hole 7	13.80	14.40	2	13.8	14.4	14.1	27/03/2024
Leachate dam 1 Pt 9	2.01	29.70	2	2.01	29.7	15.855	27/03/2024
Sed Pond dam 2 Pt 8	0.04	0.67	2	0.04	0.67	0.355	27/03/2024

Total Oxidised Nitrogen (as N) (mg/L)

	Test Results						
	Mar-24	Sep-24					
Bore Hole 1	27.70	0.02	2	27.7	27.7	27.7	27/03/2024
Bore Hole 2	0.00	0.00	2	0	0	0	27/03/2024
Bore Hole 3	0.37	0.02	2	0.37	0.37	0.37	27/03/2024
Bore Hole 4	0.13	0.14	2	0	0	0	27/03/2024
Bore Hole 5	0.86	0.63	2	0.86	0.86	0.86	27/03/2024
Bore Hole 6	1.32	0.25	2	0.05	1.32	0.685	27/03/2024
Bore Hole 7	492.00	14.40	2	0.18	492	246.09	27/03/2024
Leachate dam 1 Pt 9	0.04	29.70	2	0.04	0.7	0.37	27/03/2024
Sed Pond dam 2 Pt 8	<0.01	0.67	2	0.2	0.2	0.2	27/03/2024

Volatile Organics (ug/L)

	Test Results						
	Mar-24	Sep-24					
Bore Hole 1	<50		2	<50	<50	<50	27/03/2024
Bore Hole 2	0		2				27/03/2024
Bore Hole 3	<50		2	<50	<50	<50	27/03/2024
Bore Hole 4	<50		2	<50	<50	<50	27/03/2024
Bore Hole 5	<50		2	<50	<50	<50	27/03/2024
Bore Hole 6	<50		2	<50	<50	<50	27/03/2024
Bore Hole 7	<50		2	<50	<50	<50	27/03/2024
Leachate dam 1 Pt 9	<50		2	<50	<50	<50	27/03/2024
Sed Pond dam 2 Pt 8	<50		2	<50	<50	<50	27/03/2024