

Tharbogang Borehole Test Results 2023

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		2023				
		Frequency require by EPL sample for period	MIN of samples for period	MAX of samples for period	AVERAGE	Publication Date
Mar-23	Sep-23					
12.00	0.00	2	12	12	12	24/03/2023
0.00	0.00	2	0	0	0	24/03/2023
13.80	0.00	2	13.8	13.8	13.8	24/03/2023
5.30	0.00	2	5.3	5.3	5.3	24/03/2023
16.90	0.00	2	16.9	16.9	16.9	24/03/2023
17.80	0.00	2	17.8	17.8	17.8	24/03/2023
19.50	0.00	2	19.5	19.5	19.5	24/03/2023
0.00	0.00	2	0	0	0	24/03/2023
0.00	0.00	2	0	0	0	24/03/2023

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-23	Sep-23					
7.89	0.00	2	0	0	0	24/03/2023
0.00	0.00	2	0	0	0	24/03/2023
7.75	0.00	2	0	0	0	24/03/2023
7.72	0.00	2	0	0	0	24/03/2023
7.65	0.00	2	0	0	0	24/03/2023
8.21	0.00	2	0	0	0	24/03/2023
7.75	0.00	2	0	0	0	24/03/2023
8.92	0.00	2	0	0	0	24/03/2023
8.68	0.00	2	0	0	0	24/03/2023

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-23	Sep-23					
519	0.00	2	0	0	0	24/03/2023
0.00	0.00	2	0	0	0	24/03/2023
339	0.00	2	0	0	0	24/03/2023
1300	0.00	2	0	0	0	24/03/2023
880	0.00	2	0	0	0	24/03/2023
1000	0.00	2	0	0	0	24/03/2023
1140	0.00	2	0	0	0	24/03/2023
917	0.00	2	0	0	0	24/03/2023
283	0.00	2	0	0	0	24/03/2023

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-23	Sep-23					
0.9	0.00	2	0	0	0	24/03/2023
0.00	0.00	2	0	0	0	24/03/2023
0.9	0.00	2	0	0	0	24/03/2023
0.5	0.00	2	0	0	0	24/03/2023
0.9	0.00	2	0	0	0	24/03/2023
1.1	0.00	2	0	0	0	24/03/2023
0.6	0.00	2	0	0	0	24/03/2023
0.4	0.00	2	0	0	0	24/03/2023
0.4	0.00	2	0	0	0	24/03/2023

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-23	Sep-23					
1170	0.00	2	0	0	0	24/03/2023
0.00	0.00	2	0	0	0	24/03/2023
431	0.00	2	0	0	0	24/03/2023
5440	0.00	2	0	0	0	24/03/2023
679	0.00	2	0	0	0	24/03/2023
1450	0.00	2	0	0	0	24/03/2023
942	0.00	2	0	0	0	24/03/2023
825	0.00	2	0	0	0	24/03/2023
156	0.00	2	0	0	0	24/03/2023

Tharbogang Borehole Test Results 2023

Sulphate (mg/L) SO₄

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-23	Sep-23					
298	0.00	2	0	0	0	24/03/2023
0.00	0.00	2	0	0	0	24/03/2023
29	0.00	2	0	0	0	24/03/2023
666	0.00	2	0	0	0	24/03/2023
17	0.00	2	0	0	0	24/03/2023
246	0.00	2	0	0	0	24/03/2023
460	0.00	2	0	0	0	24/03/2023
69	0.00	2	0	0	0	24/03/2023
24	0.00	2	0	0	0	24/03/2023

Sp.Conductance (uS/cm)

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-23	Sep-23					
5200	0.00	2	0	0	0	24/03/2023
0.00	0.00	2	0	0	0	24/03/2023
1920	0.00	2	0	0	0	24/03/2023
18000	0.00	2	0	0	0	24/03/2023
2720	0.00	2	0	0	0	24/03/2023
6650	0.00	2	0	0	0	24/03/2023
10400	0.00	2	0	0	0	24/03/2023
3540	0.00	2	0	0	0	24/03/2023
975	0.00	2	0	0	0	24/03/2023

Suspended.Solid (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-23	Sep-23					
8	0.00	2	0	0	0	24/03/2023
0.00	0.00	2	0	0	0	24/03/2023
<5	0.00	2	0	0	0	24/03/2023
7	0.00	2	0	0	0	24/03/2023
52	0.00	2	0	0	0	24/03/2023
120	0.00	2	0	0	0	24/03/2023
102	0.00	2	0	0	0	24/03/2023
119	0.00	2	0	0	0	24/03/2023
448	0.00	2	0	0	0	24/03/2023

Total Org Carbon-filt (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-23	Sep-23					
35	0.00	2	0	0	0	24/03/2023
0.00	0.00	2	0	0	0	24/03/2023
4	0.00	2	0	0	0	24/03/2023
39	0.00	2	0	0	0	24/03/2023
22	0.00	2	0	0	0	24/03/2023
12	0.00	2	0	0	0	24/03/2023
27	0.00	2	0	0	0	24/03/2023
165	0.00	2	0	0	0	24/03/2023
58	0.00	2	0	0	0	24/03/2023

Total Phenol (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-23	Sep-23					
<1.0		2	<1.0	<1.0	<1.0	24/03/2023
0.00		2	0	0	0	24/03/2023
<1.0		2	<1.0	<1.0	<1.0	24/03/2023
<1.0		2	<1.0	<1.0	<1.0	24/03/2023
<1.0		2	<1.0	<1.0	<1.0	24/03/2023
<1.0		2	<1.0	<1.0	<1.0	24/03/2023
<1.0		2	<1.0	<1.0	<1.0	24/03/2023
0.00		2	<1.0	<1.0	<1.0	24/03/2023
<1.0		2	<1.0	<1.0	<1.0	24/03/2023

Tharbogang Borehole Test Results 2023

Dissolved Iron (mg/L)

	Test Results						
	Mar-23	Sep-23					
Bore Hole 1	0.43	0.00	2	0	0.00	0	24/03/2023
Bore Hole 2	0.00	0.00	2	0	0.00	0	24/03/2023
Bore Hole 3	0.21	0.00	2	0	0.00	0	24/03/2023
Bore Hole 4	1.14	0.00	2	0	0.00	0	24/03/2023
Bore Hole 5	12.3	0.00	2	0	0.00	0	24/03/2023
Bore Hole 6	1.93	0.00	2	0	0.00	0	24/03/2023
Bore Hole 7	3.09	0.00	2	0	0.00	0	24/03/2023
Leachate dam 1 Pt 9	1.55	0.00	2	0	0.00	0	24/03/2023
Sed Pond dam 2 Pt 8	4.76	0.00	2	0	0.00	0	24/03/2023

Dissolved Manganese (mg/L)

	Test Results						
	Mar-23	Sep-23					
Bore Hole 1	100	0.00	2	0	0	0	24/03/2023
Bore Hole 2	0.00	0.00	2	0	0	0	24/03/2023
Bore Hole 3	19	0.00	2	0	0	0	24/03/2023
Bore Hole 4	348	0.00	2	0	0	0	24/03/2023
Bore Hole 5	126	0.00	2	0	0	0	24/03/2023
Bore Hole 6	102	0.00	2	0	0	0	24/03/2023
Bore Hole 7	486	0.00	2	0	0	0	24/03/2023
Leachate dam 1 Pt 9	78	0.00	2	0	0	0	24/03/2023
Sed Pond dam 2 Pt 8	37	0.00	2	0	0	0	24/03/2023

Dissolved Calcium (mg/L)

	Test Results						
	Mar-23	Sep-23					
Bore Hole 1	20	0.00	2	0	0	0.00	24/03/2023
Bore Hole 2	0.00	0.00	2	0	0	0.00	24/03/2023
Bore Hole 3	10	0.00	2	0	0	0.00	24/03/2023
Bore Hole 4	209	0.00	2	0	0	0.00	24/03/2023
Bore Hole 5	223	0.00	2	0	0	0.00	24/03/2023
Bore Hole 6	57	0.00	2	0	0	0.00	24/03/2023
Bore Hole 7	419	0.00	2	0	0	0.00	24/03/2023
Leachate dam 1 Pt 9	27	0.00	2	0	0	0.00	24/03/2023
Sed Pond dam 2 Pt 8	37	0.00	2	0	0	0.00	24/03/2023

Dissolved Magnesium (mg/L)

	Test Results						
	Mar-23	Sep-23					
Bore Hole 1	100	0.00	2	0	0	0	24/03/2023
Bore Hole 2	0.00	0.00	2	0	0	0	24/03/2023
Bore Hole 3	19	0.00	2	0	0	0	24/03/2023
Bore Hole 4	348	0.00	2	0	0	0	24/03/2023
Bore Hole 5	126	0.00	2	0	0	0	24/03/2023
Bore Hole 6	102	0.00	2	0	0	0	24/03/2023
Bore Hole 7	486	0.00	2	0	0	0	24/03/2023
Leachate dam 1 Pt 9	78	0.00	2	0	0	0	24/03/2023
Sed Pond dam 2 Pt 8	37	0.00	2	0	0	0	24/03/2023

Dissolved Potassium (mg/L)

	Test Results						
	Mar-23	Sep-23					
Bore Hole 1	59	0.00	2	0	0	0	24/03/2023
Bore Hole 2	0.00	0.00	2	0	0	0	24/03/2023
Bore Hole 3	10	0.00	2	0	0	0	24/03/2023
Bore Hole 4	132	0.00	2	0	0	0	24/03/2023
Bore Hole 5	32	0.00	2	0	0	0	24/03/2023
Bore Hole 6	57	0.00	2	0	0	0	24/03/2023
Bore Hole 7	153	0.00	2	0	0	0	24/03/2023
Leachate dam 1 Pt 9	233	0.00	2	0	0	0	24/03/2023
Sed Pond dam 2 Pt 8	64	0.00	2	0	0	0	24/03/2023

Tharbogang Borehole Test Results 2023

Dissolved Sodium (mg/L)

	Test Results						
	Mar-23	Sep-23					
Bore Hole 1	731	0.00	2	0	0	0	24/03/2023
Bore Hole 2	0.00	0.00	2	0	0	0	24/03/2023
Bore Hole 3	318	0.00	2	0	0	0	24/03/2023
Bore Hole 4	2700	0.00	2	0	0	0	24/03/2023
Bore Hole 5	264	0.00	2	0	0	0	24/03/2023
Bore Hole 6	996	0.00	2	0	0	0	24/03/2023
Bore Hole 7	826	0.00	2	0	0	0	24/03/2023
Leachate dam 1 Pt 9	484	0.00	2	0	0	0	24/03/2023
Sed Pond dam 2 Pt 8	117	0.00	2	0	0	0	24/03/2023

Ammonia (as N) (mg/L) N

	Test Results						
	Mar-23	Sep-23					
Bore Hole 1	<0.01	0.00	2	0	0	0	24/03/2023
Bore Hole 2	0.00	0.00	2	0	0	0	24/03/2023
Bore Hole 3	<0.01	0.00	2	0	0	0	24/03/2023
Bore Hole 4	0.19	0.00	2	0	0	0	24/03/2023
Bore Hole 5	<0.01	0.00	2	0	0	0	24/03/2023
Bore Hole 6	0.04	0.00	2	0	0	0	24/03/2023
Bore Hole 7	23.2	0.00	2	0	0	0	24/03/2023
Leachate dam 1 Pt 9	7.50	0.00	2	0	0	0	24/03/2023
Sed Pond dam 2 Pt 8	0.08	0.00	2	0	0	0	24/03/2023

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

	Test Results						
	Mar-23	Sep-23					
Bore Hole 1	27.1	0.00	2	0	0	0	24/03/2023
Bore Hole 2	0.00	0.00	2	0	0	0	24/03/2023
Bore Hole 3	0.58	0.00	2	0	0	0	24/03/2023
Bore Hole 4	0.61	0.00	2	0	0	0	24/03/2023
Bore Hole 5	0.49	0.00	2	0	0	0	24/03/2023
Bore Hole 6	5.34	0.00	2	0	0	0	24/03/2023
Bore Hole 7	792	0.00	2	0	0	0	24/03/2023
Leachate dam 1 Pt 9	<0.01	0.00	2	0	0	0	24/03/2023
Sed Pond dam 2 Pt 8	<0.01	0.00	2	0	0	0	24/03/2023

Volatile Organics (ug/L)

	Test Results						
	Mar-23	Sep-23					
Bore Hole 1	<50		2	<50	<50	<50	24/03/2023
Bore Hole 2	0		2				24/03/2023
Bore Hole 3	<50		2	<50	<50	<50	24/03/2023
Bore Hole 4	<50		2	<50	<50	<50	24/03/2023
Bore Hole 5	<50		2	<50	<50	<50	24/03/2023
Bore Hole 6	<50		2	<50	<50	<50	24/03/2023
Bore Hole 7	<50		2	<50	<50	<50	24/03/2023
Leachate dam 1 Pt 9	<50		2	<50	<50	<50	24/03/2023
Sed Pond dam 2 Pt 8	<50		2	<50	<50	<50	24/03/2023