

## Tharbogang Borehole Test Results 2024

### Depth (m)

	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
Bore Hole 1	10.81	0.00	2	10.81	10.81	10.81
Bore Hole 2	0.00	0.00	2	0	0	0
Bore Hole 3	12.40	0.00	2	12.4	12.4	12.4
Bore Hole 4	6.00	0.00	2	6	6	6
Bore Hole 5	18.31	0.00	2	18.31	18.31	18.31
Bore Hole 6	17.40	0.00	2	17.4	17.4	17.4
Bore Hole 7	19.80	0.00	2	19.8	19.8	19.8
Leachate dam 1 Pt 9	0.00	0.00	2	0	0	0
Sed Pond dam 2 Pt 8	0.00	0.00	2	0	0	0

### pH

	Test Results					
	Mar-24	Sep-24				
Bore Hole 1	7.80	0.00	2	7.8	7.8	7.8
Bore Hole 2	0.00	0.00	2	0	0	0
Bore Hole 3	7.48	0.00	2	7.48	7.48	7.48
Bore Hole 4	7.35	0.00	2	7.35	7.35	7.35
Bore Hole 5	7.61	0.00	2	7.61	7.61	7.61
Bore Hole 6	7.88	0.00	2	7.88	7.88	7.88
Bore Hole 7	7.56	0.00	2	7.56	7.56	7.56
Leachate dam 1 Pt 9	9.59	0.00	2	9.59	9.59	9.59
Sed Pond dam 2 Pt 8	8.27	0.00	2	8.27	8.27	8.27

### Alkalinity (mg/L)

	Test Results					
	Mar-24	Sep-24				
Bore Hole 1	515.00	0.00	2	515	515	515
Bore Hole 2	0.00	0.00	2	0	0	0
Bore Hole 3	322.00	0.00	2	339	322	322
Bore Hole 4	1430.00	0.00	2	1300	1430	1430
Bore Hole 5	817.00	0.00	2	827	817	817
Bore Hole 6	1040.00	0.00	2	1000	1040	1040
Bore Hole 7	1070.00	0.00	2	936	1070	1070
Leachate dam 1 Pt 9	919.00	0.00	2	917	919	919
Sed Pond dam 2 Pt 8	257.00	0.00	2	237	257	257

### Fluoride (mg/L)

	Test Results					
	Mar-24	Sep-24				
Bore Hole 1	0.90	0.90	2	0.9	0.9	0.9
Bore Hole 2	0.00	0.00	2	0	0	0
Bore Hole 3	0.90	0.80	2	0.8	0.8	0.8
Bore Hole 4	0.50	0.60	2	0.5	0.6	0.6
Bore Hole 5	0.90	0.90	2	0.9	0.9	0.9
Bore Hole 6	1.10	1.00	2	1	1.1	1.1
Bore Hole 7	0.60	0.70	2	0.6	0.7	0.7
Leachate dam 1 Pt 9	0.40	0.30	2	0.3	0.7	0.7
Sed Pond dam 2 Pt 8	0.40	0.40	2	0.4	0.5	0.5

### Chloride (mg/L)

	Test Results					
	Mar-24	Sep-24				
Bore Hole 1	1260.00	0.00	2	1260	1260	1260
Bore Hole 2	0.00	0.00	2	0	0	0
Bore Hole 3	474.00	0.00	2	474	474	474
Bore Hole 4	5180.00	0.00	2	5180	5180	5180
Bore Hole 5	779.00	0.00	2	779	779	779
Bore Hole 6	1500.00	0.00	2	1500	1500	1500
Bore Hole 7	1150.00	0.00	2	1150	1150	1150
Leachate dam 1 Pt 9	1170.00	0.00	2	1170	1170	1170
Sed Pond dam 2 Pt 8	125.00	0.00	2	125	125	125

## Tharbogang Borehole Test Results 2024

### 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-24	Sep-24					
313.00	0.00	2	313	313	313	27/03/2024
0.00	0.00	2	0	0	0	27/03/2024
30.00	0.00	2	30	30	30	27/03/2024
602.00	0.00	2	602	602	602	27/03/2024
53.00	0.00	2	53	53	53	27/03/2024
241.00	0.00	2	241	241	241	27/03/2024
353.00	0.00	2	353	353	353	27/03/2024
18.00	0.00	2	18	18	18	27/03/2024
9.00	0.00	2	9	9	9	27/03/2024

### 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-24	Sep-24					
5400.00	0.00	2	5400	5400	5400	27/03/2024
0.00	0.00	2	0	0	0	27/03/2024
1930.00	0.00	2	1930	1930	1930	27/03/2024
16600.00	0.00	2	16600	16600	16600	27/03/2024
3400.00	0.00	2	3400	3400	3400	27/03/2024
6500.00	0.00	2	6500	6500	6500	27/03/2024
8920.00	0.00	2	8920	8920	8920	27/03/2024
5320.00	0.00	2	5320	5320	5320	27/03/2024
876.00	0.00	2	876	876	876	27/03/2024

### 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-24	Sep-24					
22.00	0.00	2	22	22	22	27/03/2024
0.00	0.00	2	0	0	0	27/03/2024
26.00	0.00	2	26	26	26	27/03/2024
<5	0.00	2	0	0	0	27/03/2024
22.00	0.00	2	22	22	22	27/03/2024
119.00	0.00	2	119	119	119	27/03/2024
30.00	0.00	2	30	30	30	27/03/2024
72.00	0.00	2	72	72	72	27/03/2024
62.00	0.00	2	62	62	62	27/03/2024

### 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-24	Sep-24					
33.00	0.00	2	33	33	33	27/03/2024
0.00	0.00	2	0	0	0	27/03/2024
2.00	0.00	2	2	2	2	27/03/2024
29.00	0.00	2	29	29	29	27/03/2024
16.00	0.00	2	16	16	16	27/03/2024
8.00	0.00	2	8	8	8	27/03/2024
17.00	0.00	2	17	17	17	27/03/2024
138.00	0.00	2	138	138	138	27/03/2024
102.00	0.00	2	102	102	102	27/03/2024

### 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-24	Sep-24					
<1.0		2	<1.0	<1.0	<1.0	27/03/2024
0.00		2	0	0	0	27/03/2024
<1.0		2	<1.0	<1.0	<1.0	27/03/2024
<1.0		2	<1.0	<1.0	<1.0	27/03/2024
<1.0		2	<1.0	<1.0	<1.0	27/03/2024
<1.0		2	<1.0	<1.0	<1.0	27/03/2024
<1.0		2	<1.0	<1.0	<1.0	27/03/2024
0.00		2	<1.0	<1.0	<1.0	27/03/2024
<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	0.00	2	0.46	0.46	0.46	27/03/2024
Bore Hole 2	0.00	0.00	2	0	0.00	0	27/03/2024
Bore Hole 3	1.20	0.00	2	1.2	1.20	1.2	27/03/2024
Bore Hole 4	1.01	0.00	2	1.01	1.01	1.01	27/03/2024
Bore Hole 5	4.30	0.00	2	4.3	4.30	4.3	27/03/2024
Bore Hole 6	1.24	0.00	2	1.24	1.24	1.24	27/03/2024
Bore Hole 7	0.23	0.00	2	0.23	0.23	0.23	27/03/2024
Leachate dam 1 Pt 9	0.64	0.00	2	0.64	0.64	0.64	27/03/2024
Sed Pond dam 2 Pt 8	0.94	0.00	2	0.94	0.94	0.94	27/03/2024

### Dissolved Manganese (mg/L)

	Test Results						
	Mar-24	Sep-24					
Bore Hole 1	0.031	0.000	2	0.031	0.031	0.031	27/03/2024
Bore Hole 2	0.000	0.000	2	0	0	0	27/03/2024
Bore Hole 3	0.034	0.000	2	0.034	0.034	0.034	27/03/2024
Bore Hole 4	1.020	0.000	2	1.02	1.02	1.02	27/03/2024
Bore Hole 5	0.268	0.000	2	0.268	0.268	0.268	27/03/2024
Bore Hole 6	0.054	0.000	2	0.054	0.054	0.054	27/03/2024
Bore Hole 7	0.528	0.000	2	0.528	0.528	0.528	27/03/2024
Leachate dam 1 Pt 9	0.027	0.000	2	0.027	0.027	0.027	27/03/2024
Sed Pond dam 2 Pt 8	0.155	0.000	2	0.155	0.155	0.155	27/03/2024

### Dissolved Calcium (mg/L)

	Test Results						
	Mar-24	Sep-24					
Bore Hole 1	27.000	0.000	2	27	27	27.00	27/03/2024
Bore Hole 2	0.000	0.000	2	0	0	0.00	27/03/2024
Bore Hole 3	12.000	0.000	2	12	12	12.00	27/03/2024
Bore Hole 4	206.000	0.000	2	206	206	206.00	27/03/2024
Bore Hole 5	203.000	0.000	2	203	203	203.00	27/03/2024
Bore Hole 6	83.000	0.000	2	83	83	83.00	27/03/2024
Bore Hole 7	301.000	0.000	2	301	301	301.00	27/03/2024
Leachate dam 1 Pt 9	12.000	0.000	2	12	12	12.00	27/03/2024
Sed Pond dam 2 Pt 8	28.000	0.000	2	28	28	28.00	27/03/2024

### Dissolved Magnesium (mg/L)

	Test Results						
	Mar-24	Sep-24					
Bore Hole 1	128.00	0.00	2	128	128	128	27/03/2024
Bore Hole 2	0.00	0.00	2	0	0	0	27/03/2024
Bore Hole 3	19.00	0.00	2	19	19	19	27/03/2024
Bore Hole 4	370.00	0.00	2	370	370	370	27/03/2024
Bore Hole 5	137.00	0.00	2	137	137	137	27/03/2024
Bore Hole 6	132.00	0.00	2	132	132	132	27/03/2024
Bore Hole 7	425.00	0.00	2	425	425	425	27/03/2024
Leachate dam 1 Pt 9	81.00	0.00	2	81	81	81	27/03/2024
Sed Pond dam 2 Pt 8	22.00	0.00	2	22	22	22	27/03/2024

### Dissolved Potassium (mg/L)

	Test Results						
	Mar-24	Sep-24					
Bore Hole 1	66.00	0.00	2	66	66	66	27/03/2024
Bore Hole 2	0.00	0.00	2	0	0	0	27/03/2024
Bore Hole 3	10.00	0.00	2	10	10	10	27/03/2024
Bore Hole 4	154.00	0.00	2	154	154	154	27/03/2024
Bore Hole 5	33.00	0.00	2	33	33	33	27/03/2024
Bore Hole 6	60.00	0.00	2	60	60	60	27/03/2024
Bore Hole 7	137.00	0.00	2	137	137	137	27/03/2024
Leachate dam 1 Pt 9	374.00	0.00	2	374	374	374	27/03/2024
Sed Pond dam 2 Pt 8	50.00	0.00	2	50	50	50	27/03/2024

## Tharbogang Borehole Test Results 2024

### Dissolved Sodium (mg/L)

	Test Results						
	Mar-24	Sep-24					
Bore Hole 1	917.00	0.00	2	917	917	917	27/03/2024
Bore Hole 2	0.00	0.00	2	0	0	0	27/03/2024
Bore Hole 3	376.00	0.00	2	376	376	376	27/03/2024
Bore Hole 4	3170.00	0.00	2	3170	3170	3170	27/03/2024
Bore Hole 5	352.00	0.00	2	352	352	352	27/03/2024
Bore Hole 6	1140.00	0.00	2	1140	1140	1140	27/03/2024
Bore Hole 7	947.00	0.00	2	947	947	947	27/03/2024
Leachate dam 1 Pt 9	814.00	0.00	2	814	814	814	27/03/2024
Sed Pond dam 2 Pt 8	814.00	0.00	2	814	814	814	27/03/2024

### Ammonia (as N) (mg/L) N

	Test Results						
	Mar-24	Sep-24					
Bore Hole 1	0.02	0.00	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	0.00	2	0.02	0.02	0.02	27/03/2024
Bore Hole 4	0.22	0.00	2	0.22	0.22	0.22	27/03/2024
Bore Hole 5	<0.01	0.00	2	0	0	0	27/03/2024
Bore Hole 6	0.01	0.00	2	0.01	0.01	0.01	27/03/2024
Bore Hole 7	13.80	0.00	2	13.8	13.8	13.8	27/03/2024
Leachate dam 1 Pt 9	2.01	0.00	2	2.01	2.01	2.01	27/03/2024
Sed Pond dam 2 Pt 8	0.04	0.00	2	0.04	0.04	0.04	27/03/2024

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

	Test Results						
	Mar-24	Sep-24					
Bore Hole 1	27.70	0.00	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	0.00	2	0.37	0.37	0.37	27/03/2024
Bore Hole 4	0.13	0.00	2	0	0	0	27/03/2024
Bore Hole 5	0.86	0.00	2	0.86	0.86	0.86	27/03/2024
Bore Hole 6	1.32	0.00	2	1.32	1.32	1.32	27/03/2024
Bore Hole 7	492.00	0.00	2	492	492	492	27/03/2024
Leachate dam 1 Pt 9	0.04	0.00	2	0.04	0.04	0.04	27/03/2024
Sed Pond dam 2 Pt 8	<0.01	0.00	2	0	0	0	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