



Environmental Monitoring Data

December 2023

EPL No: 11912
Licensee: Evolution Mining (Cowl) Pty Limited
Address: PO Box 210 West Wyalong NSW 2671
<http://www.epa.nsw.gov.au/licensing-and-regulation/public-registers>



Dust

Monitoring Point: 1 <McLintocks Shed>

Dust monitoring, Dust gauge located on private property to the west of ML1535 boundary

Frequency	Date Collected	Date Obtained	Date Published	Particulates (g/m ³ /mth)	Comments
Monthly	12/01/2023	08/02/2023	21/02/2023	2.60	
Monthly	09/02/2023	02/03/2023	21/03/2023	7.22	Water, insects, Bugs, Beetle
Monthly	13/03/2023	22/03/2023	20/04/2023	3.18	
Monthly	13/04/2023	03/05/2023	19/05/2023	5.71	Water, insects, spiders, debris
Monthly	12/05/2023	26/05/2023	22/06/2023	7.83	Water - dirty, clumpy mass
Monthly	13/06/2023	03/07/2023	21/07/2023	1.53	Water (dirty), dust, bugs, plant matter
Monthly	13/07/2023	03/08/2023	24/08/2023	3.90	Murky, Broken lid, Debris
Monthly	14/08/2023	01/09/2023	21/09/2023	4.96	Water (brown), insects, Dust, Bird Poo, Bug Leg
Monthly	14/09/2023	25/09/2023	23/10/2023	1.21	Water, insects, Dust
Monthly	13/10/2023	24/10/2023	20/11/2023	7.83	Water, Bugs Debris
Monthly	14/11/2023	28/11/2023	21/12/2023	0.13	Water, insects, Bugs, Algae
Monthly	14/12/2023	12/01/2024	19/01/2024	9.86	Water (Dark), insects, Bugs, Debris
Number of Samples Collected				12	
Lowest Value				0.1	
Mean of Sample				4.7	
Highest Sample Value				9.9	
Median				4.4	

Monitoring Point: 2 <Site Office>

Dust monitoring, Dust gauge located on private property to the south of ML1535 boundary

Frequency	Date Collected	Date Obtained	Date Published	Particulates (g/m ³ /mth)	Comments
Monthly	12/01/2023	08/02/2023	21/02/2023	0.76	
Monthly	09/02/2023	02/03/2023	21/03/2023	7.11	Water, insects, bugs, debris
Monthly	13/03/2023	22/03/2023	20/04/2023	2.83	
Monthly	13/04/2023	03/05/2023	19/05/2023	1.58	
Monthly	12/05/2023	26/05/2023	22/06/2023	5.20	Water, insects, dust
Monthly	13/06/2023	03/07/2023	21/07/2023	2.58	Water (brown), dust, insects
Monthly	13/07/2023	03/08/2023	24/08/2023	6.18	Insects, Bird Poo
Monthly	14/08/2023	01/09/2023	21/09/2023	2.40	Water, insects, Dust
Monthly	14/09/2023	25/09/2023	23/10/2023	10.962	Water, Dark Algae, Bird Poo, Debris
Monthly	13/10/2023	24/10/2023	20/11/2023	8.67	Water, insects, Bugs, Dust
Monthly	14/11/2023	28/11/2023	21/12/2023	0.10	Bugs, Insects, Poo
Monthly	14/12/2023	12/01/2024	19/01/2024	8.83	Bugs, insects
Number of Samples Collected				12	
Lowest Value				0.1	
Mean of Sample				4.8	
Highest Sample Value				11.0	
Median				4.0	

Monitoring Point: 3 <DG06>

Dust monitoring, Dust gauge located on private property to the east of ML1535 boundary

Frequency	Date Collected	Date Obtained	Date Published	Particulates (g/m ³ /mth)	Comments
Monthly	12/01/2023	08/02/2023	21/02/2023	-	No access - Lows road closed to public
Monthly	09/02/2023	02/03/2023	21/03/2023	25.10	Water - Black, Not collected since Aug 22
Monthly	13/03/2023	22/03/2023	20/04/2023	3.24	
Monthly	13/04/2023	03/05/2023	19/05/2023	0.90	
Monthly	12/05/2023	26/05/2023	22/06/2023	0.71	water, insects, caterpillar
Monthly	13/06/2023	03/07/2023	21/07/2023	0.57	Water, insects, Algae
Monthly	14/07/2023	03/08/2023	24/08/2023	1.98	Insects, debris
Monthly	14/08/2023	01/09/2023	21/09/2023	0.18	Water, insects, Debris
Monthly	14/09/2023	25/09/2023	23/10/2023	1.33	Water, insects, Bugs, Plastic from broken lid
Monthly	13/10/2023	24/10/2023	20/11/2023	5.39	Water, Insects, Debris
Monthly	14/11/2023	28/11/2023	21/12/2023	0.03	Bugs, Broken lid plastic
Monthly	14/12/2023	12/01/2024	19/01/2024	6.88	Water, insects, Bugs, Rubber from funnel
Number of Samples Collected				11	
Lowest Value				0.0	
Mean of Sample				4.2	
Highest Sample Value				25.1	
Median				1.3	

Monitoring Point: 4 <DG09>

Dust monitoring, Dust gauge located on private property to the south of ML1535 boundary

Frequency	Date Collected	Date Obtained	Date Published	Particulates (g/m ³ /mth)	Comments
Monthly	12/01/2023	08/02/2023	21/02/2023	2.04	
Monthly	09/02/2023	02/03/2023	21/03/2023	0.95	
Monthly	13/03/2023	22/03/2023	20/04/2023	0.66	
Monthly	13/04/2023	03/05/2023	19/05/2023	2.96	
Monthly	12/05/2023	26/05/2023	22/06/2023	1.11	water, insects, spider
Monthly	13/06/2023	03/07/2023	21/07/2023	0.27	water, dust, insects
Monthly	13/07/2023	03/08/2023	24/08/2023	0.52	Insects, debris
Monthly	14/08/2023	01/09/2023	21/09/2023	0.62	Water, insects, Dust, Bird Poo
Monthly	14/09/2023	25/09/2023	23/10/2023	0.58	Water, insects
Monthly	13/10/2023	24/10/2023	20/11/2023	1.31	Water, insects, Bugs, Debris
Monthly	14/11/2023	28/11/2023	21/12/2023	0.02	Water, insects, Bugs, Spider
Monthly	14/12/2023	12/01/2024	19/01/2024	1.23	Water, insects, Bugs
Number of Samples Collected				12	
Lowest Value				0.0	
Mean of Sample				1.0	
Highest Sample Value				3.0	
Median				0.8	

Monitoring Point: 5 <Site 52>

Dust monitoring, Dust gauge located within ML1535 and north of the open pit

Frequency	Date Collected	Date Obtained	Date Published	Particulates (g/m ³ /mth)	Comments
Monthly	12/01/2023	08/02/2023	21/02/2023	-	Sample jar redeployed after being inundated
Monthly	09/02/2023	02/03/2023	21/03/2023	3.98	
Monthly	13/03/2023	22/03/2023	20/04/2023	6.50	Water, algae, bugs and debris
Monthly	13/04/2023	03/05/2023	19/05/2023	2.79	
Monthly	12/05/2023	26/05/2023	22/06/2023	0.91	Water, insects, spider
Monthly	13/06/2023	03/07/2023	21/07/2023	2.46	Water, Dust, insects
Monthly	13/07/2023	03/08/2023	24/08/2023	1.06	Insects
Monthly	14/08/2023	01/09/2023	21/09/2023	3.40	Water, insects, Dust
Monthly	14/09/2023	25/09/2023	23/10/2023	2.23	Water, Debris, Dust
Monthly	13/10/2023	24/10/2023	20/11/2023	4.41	Water, insects, Bugs, Debris
Monthly	14/11/2023	28/11/2023	21/12/2023	0.04	Water, insects, Bugs
Monthly	14/12/2023	12/01/2024	19/01/2024	2.26	
Number of Samples Collected				11	
Lowest Value				0.0	
Mean of Sample				2.7	
Highest Sample Value				6.0	
Median				2.5	



Dust

Monitoring Point: 6 <D601>

Dust monitoring. Dust gauge located on private property to the north of ML1535 boundary

Frequency	Date Collected	Date Obtained	Date Published	Particulates (g/m ³ /mth)	Comments
Monthly	12/01/2023	08/02/2023	21/02/2023	0.33	
Monthly	09/02/2023	02/03/2023	21/03/2023	0.91	
Monthly	13/03/2023	22/03/2023	20/04/2023	1.04	
Monthly	13/04/2023	03/05/2023	19/05/2023	0.75	
Monthly	12/05/2023	26/05/2023	22/06/2023	0.79	
Monthly	13/06/2023	03/07/2023	21/07/2023	0.40	Water, insects
Monthly	13/07/2023	03/08/2023	24/08/2023	0.25	Water, Dust, Dirt clump Insects, debris
Monthly	14/08/2023	01/09/2023	21/09/2023	0.22	Water, insects
Monthly	14/09/2023	25/09/2023	23/10/2023	0.60	Water, Insects, Plastic from broken lid
Monthly	13/10/2023	24/10/2023	20/11/2023	0.75	Water, insects, bugs
Monthly	14/11/2023	28/11/2023	21/12/2023	0.04	Water, insects, bugs
Monthly	14/12/2023	12/01/2024	19/01/2024	1.46	Water, insects, bugs
Number of Samples Collected				12	
Lowest Value				0.0	
Mean of Sample				0.6	
Highest Sample Value				1.5	
Median				0.7	

Monitoring Point: 49 <HV1>

Dust monitoring. High volume sampler located on private property to the north of ML1535 boundary

Frequency	Date Sampled	Date Obtained	Date Published	Total Suspended Particles (µg/m ³)	Comments
Every 7 days	Wednesday, 4 January 2023	11/02/2022	21/02/2023	49.8	
Every 7 days	Wednesday, 11 January 2023	11/02/2022	21/02/2023	45.2	
Every 7 days	Wednesday, 18 January 2023	11/02/2022	21/02/2023	62.8	
Every 7 days	Wednesday, 25 January 2023	11/02/2022	21/02/2023	27.5	Spider activity observed
Every 7 days	Wednesday, 1 February 2023	20/03/2023	21/03/2023	25.2	
Every 7 days	Wednesday, 8 February 2023	20/03/2023	21/03/2023	47.0	
Every 7 days	Wednesday, 15 February 2023	20/03/2023	21/03/2023	35.9	
Every 7 days	Wednesday, 22 February 2023	20/03/2023	21/03/2023	39.4	
Every 7 days	Wednesday, 1 March 2023	01/05/2023	19/05/2023	52.3	
Every 7 days	Thursday, 9 March 2023	01/05/2023	19/05/2023	39.4	
Every 7 days	Thursday, 16 March 2023	01/05/2023	19/05/2023	61.6	
Every 7 days	Wednesday, 22 March 2023	01/05/2023	19/05/2023	10.6	
Every 7 days	Wednesday, 29 March 2023	01/05/2023	19/05/2023	28.8	
Every 7 days	Wednesday, 5 April 2023	15/05/2023	19/05/2023	80.9	
Every 7 days	Wednesday, 12 April 2023	15/05/2023	19/05/2023	23.5	
Every 7 days	Wednesday, 19 April 2023	15/05/2023	19/05/2023	35.8	
Every 7 days	Wednesday, 26 April 2023	15/05/2023	19/05/2023	42.7	
Every 7 days	Wednesday, 3 May 2023	20/06/2023	21/07/2023	29.3	
Every 7 days	Wednesday, 10 May 2023	20/06/2023	21/07/2023	30.3	
Every 7 days	Wednesday, 17 May 2023	20/06/2023	21/07/2023	54.3	
Every 7 days	Wednesday, 24 May 2023	20/06/2023	21/07/2023	45.2	
Every 7 days	Wednesday, 31 May 2023	20/06/2023	21/07/2023	16.3	
Every 7 days	Wednesday, 7 June 2023	06/07/2023	21/07/2023	9.7	
Every 7 days	Wednesday, 14 June 2023	06/07/2023	21/07/2023	9.4	
Every 7 days	Wednesday, 21 June 2023	06/07/2023	21/07/2023	8.1	
Every 7 days	Wednesday, 28 June 2023	06/07/2023	21/07/2023	2.5	
Every 7 days	Wednesday, 5 July 2023	03/08/2023	24/08/2023	0.5	
Every 7 days	Wednesday, 12 July 2023	03/08/2023	24/08/2023	10.5	
Every 7 days	Wednesday, 19 July 2023	03/08/2023	24/08/2023	6.3	
Every 7 days	Wednesday, 26 July 2023	03/08/2023	24/08/2023	24.0	
Every 7 days	Wednesday, 2 August 2023	08/09/2023	21/09/2023	16.2	
Every 7 days	Wednesday, 9 August 2023	08/09/2023	21/09/2023	13.3	
Every 7 days	Wednesday, 16 August 2023	08/09/2023	21/09/2023	7.4	
Every 7 days	Wednesday, 23 August 2023	08/09/2023	21/09/2023	9.1	
Every 7 days	Wednesday, 30 August 2023	08/09/2023	21/09/2023	24.8	
Every 7 days	Wednesday, 6 September 2023	18/10/2023	23/10/2023	21.1	
Every 7 days	Wednesday, 13 September 2023	18/10/2023	23/10/2023	23.5	
Every 7 days	Wednesday, 20 September 2023	18/10/2023	23/10/2023	50.9	
Every 7 days	Wednesday, 27 September 2023	18/10/2023	23/10/2023	36.0	
Every 7 days	Wednesday, 4 October 2023	03/11/2023	20/11/2023	28.2	
Every 7 days	Wednesday, 11 October 2023	03/11/2023	20/11/2023	20.6	
Every 7 days	Wednesday, 18 October 2023	03/11/2023	20/11/2023	25.4	
Every 7 days	Wednesday, 25 October 2023	03/11/2023	20/11/2023	49.3	
Every 7 days	Wednesday, 1 November 2023	13/12/2023	21/12/2023	36.5	
Every 7 days	Wednesday, 8 November 2023	13/12/2023	21/12/2023	20.7	
Every 7 days	Wednesday, 15 November 2023	13/12/2023	21/12/2023	51.9	
Every 7 days	Wednesday, 22 November 2023	13/12/2023	21/12/2023	38.3	
Every 7 days	Tuesday, 28 November 2023	13/12/2023	21/12/2023	36.2	
Every 7 days	Wednesday, 6 December 2023	17/01/2024	19/01/2024	47.1	
Every 7 days	Wednesday, 13 December 2023	17/01/2024	19/01/2024	77.3	
Every 7 days	Wednesday, 20 December 2023	17/01/2024	19/01/2024	25.5	
Every 7 days	Wednesday, 27 December 2023	17/01/2024	19/01/2024	27.0	
Number of Samples Collected				52	
Lowest Value				0.5	
Mean of Sample				31.5	
Highest Sample Value				80.9	
Median				28.1	



Surface Water

Monitoring Point: 12 <D1>

Stormwater quality monitoring, Northern waste emplacement contained water storage

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	Total Suspended Solids (mg/L)	Comments
Monthly	18/01/2023	18/01/2023	21/02/2023	7.82	7018	330	
Monthly	23/01/2023	23/01/2023	21/02/2023	9.90	7372	69	Rainfall Monitoring Event
Monthly	31/01/2023	31/01/2023	21/02/2023	8.79	7781	72	Rainfall Monitoring Event
Monthly	15/02/2023	15/02/2023	21/03/2023	8.03	7677	50	
Monthly	23/03/2023	23/03/2023	20/04/2023	7.80	9120	41	
Monthly	29/03/2023	29/03/2023	20/04/2023	7.55	9389	78	Rainfall Monitoring Event
Monthly	27/04/2023	27/04/2023	19/05/2023	7.21	6969	151	
Monthly	24/05/2023	24/05/2023	22/06/2023	8.08	8541	8	
Monthly	22/06/2023	22/06/2023	21/07/2023	7.57	8072	<1	
Monthly	26/07/2023	26/07/2023	24/08/2023	8.07	8886	2	
Monthly	09/08/2023	09/08/2023	21/09/2023	7.76	9753	6	
Monthly	26/09/2023	26/09/2023	23/10/2023	8.50	13786	7	
Monthly	05/10/2023	05/10/2023	20/11/2023	8.27	11574	14	
Monthly	21/11/2023	21/11/2023	21/12/2023	8.33	17977	24	
Monthly	29/11/2023	29/11/2023	21/12/2023	8.07	14927	101	Rainfall Monitoring Event
Monthly	19/12/2023	19/12/2023	20/01/2024	8.52	16858	24	
Number of Samples Collected				16.00	16.00	15.00	
Lowest Value				7.21	6969.00	2.00	
Mean of Sample				8.14	10356.25	65.13	
Highest Sample Value				9.90	17977.00	330.00	
Median				8.07	9003.00	41.00	

Monitoring Point: 13 <D4>

Stormwater quality monitoring, Southern waste emplacement contained water storage

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Electrical Conductivity (µS/cm)	Total Suspended Solids (mg/L)	Comments
Monthly	18/01/2023	18/01/2023	21/02/2023	8.51	409	33	
Monthly	23/01/2023	23/01/2023	21/02/2023	9.63	8937	36	Rainfall Monitoring Event
Monthly	31/01/2023	31/01/2023	21/02/2023	8.36	9277	37	Rainfall Monitoring Event
Monthly	15/02/2023	15/02/2023	21/03/2023	8.59	8897	30	
Monthly	23/03/2023	23/03/2023	20/04/2023	8.21	11659	55	
Monthly	28/03/2023	28/03/2023	20/04/2023	7.61	9107	118	Rainfall Monitoring Event
Monthly	27/04/2023	27/04/2023	19/05/2023	7.73	7931	109	
Monthly	24/05/2023	24/05/2023	22/06/2023	8.15	9156	158	
Monthly	22/06/2023	22/06/2023	21/07/2023	7.90	8528	113	
Monthly	26/07/2023	26/07/2023	24/08/2023	8.03	7631	32	
Monthly	09/08/2023	09/08/2023	21/09/2023	7.94	9297	120	
Monthly	26/09/2023	26/09/2023	23/10/2023	8.22	16834	27	
Monthly	05/10/2023	05/10/2023	20/11/2023	8.41	10656	104	
Monthly	21/11/2023	21/11/2023	21/12/2023	-	-	-	Sample point dry
Monthly	29/11/2023	29/11/2023	21/12/2023	8.05	11544	80	Rainfall Monitoring Event
Monthly	19/12/2023	19/12/2023	20/01/2024	-	-	-	Sample point dry
Number of Samples Collected				14.00	14.00	14.00	
Lowest Value				7.61	409.00	27.00	
Mean of Sample				8.24	9275.93	75.14	
Highest Sample Value				9.63	16834.00	158.00	
Median				8.18	9131.50	67.50	



Lake Water

Monitoring Point 17 (B1) - Ambient water quality monitoring, Surface water point with ML135 on Lake Cowi

Frequency	Date Sampled	Date Observed	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	Comments
Monthly	18/01/2019	18/01/2019	18/01/2019	7.62	217.4	
Monthly	15/02/2019	15/02/2019	15/02/2019	6.76	217.1	Fresh 10 probe
Monthly	20/03/2019	20/03/2019	20/03/2019	7.26	217.7	
Monthly	18/04/2019	18/04/2019	18/04/2019	7.87	218.8	
Monthly	20/05/2019	20/05/2019	20/05/2019	7.26	217.7	
Monthly	22/06/2019	22/06/2019	22/06/2019	7.17	217.7	
Monthly	20/07/2019	20/07/2019	20/07/2019	6.96	217.4	
Monthly	18/08/2019	18/08/2019	18/08/2019	6.76	217.7	
Monthly	20/09/2019	20/09/2019	20/09/2019	6.76	217.4	
Monthly	20/10/2019	20/10/2019	20/10/2019	7.06	217.2	
Monthly	20/11/2019	20/11/2019	20/11/2019	6.96	217.4	
Monthly	19/12/2019	19/12/2019	19/12/2019	6.8	217	
Minimum of Electrical Conductivity				6.8	217	
Maximum Value				7.87	218.8	
Minimum of Sample				6.8	217	
Maximum Sample Value				7.87	218.8	
Median				7.16	217.5	

Frequency	Date Sampled	Date Observed	Date Published	Alkalinity (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Total Suspended Solids (mg/L)	Zinc (mg/L)	Comments
Quarterly	18/01/2019	18/01/2019	18/01/2019	80	<-0.005	0.002	<-0.0001	<-0.001	<-0.001	<-0.001	0.002	<-0.01	1.2	0.2	<-0.005
Quarterly	18/04/2019	18/04/2019	18/04/2019	118	<-0.005	0.002	<-0.0001	<-0.001	<-0.001	<-0.001	0.002	<-0.01	1.7	0.2	<-0.005
Quarterly	17/07/2019	17/07/2019	17/07/2019	112	<-0.005	0.002	<-0.0001	0.002	<-0.001	<-0.001	0.002	<-0.01	1.3	0.2	<-0.005
Quarterly	20/10/2019	20/10/2019	20/10/2019	102	<-0.005	0.002	<-0.0001	0.002	<-0.001	0.002	0.002	<-0.01	1.2	0.2	<-0.005
Minimum Value				80	<-0.005	0.002	<-0.0001	0.002	<-0.001	0.002	0.002	<-0.01	1.2	0.2	
Maximum Value				118	<-0.005	0.002	<-0.0001	0.002	<-0.001	0.002	0.002	<-0.01	1.7	0.2	
Minimum Sample Value				80	<-0.005	0.002	<-0.0001	0.002	<-0.001	0.002	0.002	<-0.01	1.2	0.2	

Monitoring Point 18 (B2) - Ambient water quality monitoring, Surface water point on Lake Cowi to the south-east of ML135 boundary

Frequency	Date Sampled	Date Observed	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	Comments
Monthly	18/01/2019	18/01/2019	18/01/2019	7.77	112	
Monthly	18/02/2019	18/02/2019	18/02/2019	6.96	112	Fresh 10 probe
Monthly	20/03/2019	20/03/2019	20/03/2019	7.42	115	
Monthly	18/04/2019	18/04/2019	18/04/2019	8.1	112	
Monthly	20/05/2019	20/05/2019	20/05/2019	8.1	112	
Monthly	18/06/2019	18/06/2019	18/06/2019	8.0	112	
Monthly	18/07/2019	18/07/2019	18/07/2019	8.0	112	
Monthly	18/08/2019	18/08/2019	18/08/2019	8.0	112	
Monthly	20/09/2019	20/09/2019	20/09/2019	8.2	112	
Monthly	18/10/2019	18/10/2019	18/10/2019	8.2	112	
Monthly	20/11/2019	20/11/2019	20/11/2019	8.0	112	
Monthly	19/12/2019	19/12/2019	19/12/2019	8.0	112	
Minimum of Electrical Conductivity				8.0	112	
Maximum Value				8.2	112	
Minimum of Sample				8.0	112	
Maximum Sample Value				8.2	112	

Frequency	Date Sampled	Date Observed	Date Published	Alkalinity (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Total Suspended Solids (mg/L)	Zinc (mg/L)	Comments
Quarterly	18/01/2019	18/01/2019	18/01/2019	80	<-0.005	0.002	<-0.0001	<-0.001	<-0.001	<-0.001	0.002	<-0.01	1.2	0.2	<-0.005
Quarterly	18/04/2019	18/04/2019	18/04/2019	118	<-0.005	0.002	<-0.0001	<-0.001	<-0.001	<-0.001	0.002	<-0.01	1.7	0.2	<-0.005
Quarterly	18/07/2019	18/07/2019	18/07/2019	112	<-0.005	0.002	<-0.0001	0.002	<-0.001	<-0.001	0.002	<-0.01	1.3	0.2	<-0.005
Quarterly	20/10/2019	20/10/2019	20/10/2019	102	<-0.005	0.002	<-0.0001	0.002	<-0.001	0.002	0.002	<-0.01	1.2	0.2	<-0.005
Minimum Value				80	<-0.005	0.002	<-0.0001	0.002	<-0.001	0.002	0.002	<-0.01	1.2	0.2	
Maximum Value				118	<-0.005	0.002	<-0.0001	0.002	<-0.001	0.002	0.002	<-0.01	1.7	0.2	
Minimum Sample Value				80	<-0.005	0.002	<-0.0001	0.002	<-0.001	0.002	0.002	<-0.01	1.2	0.2	



Waste Rock Leachate

Monitoring Point: 41 <Northern Waste Emplacement>
Northern Waste Emplacement leachate quality monitoring

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	Comments
Monthly	04/01/2023	-	-	-	-	No water present in toe drain
Monthly	22/02/2023	-	-	-	-	No water present in toe drain
Monthly	21/03/2023	-	-	-	-	No water present in toe drain
Monthly	05/04/2023	-	-	-	-	No water present in toe drain
Monthly	24/05/2023	-	-	-	-	No water present in toe drain
Monthly	15/06/2023	-	-	-	-	No water present in toe drain
Monthly	19/07/2023	-	-	-	-	No water present in toe drain
Monthly	30/08/2023	-	-	-	-	No water present in toe drain
Monthly	13/09/2023	-	-	-	-	No water present in toe drain
Monthly	24/10/2023	-	-	-	-	No water present in toe drain
Monthly	23/11/2023	-	-	-	-	No water present in toe drain
Monthly	06/12/2023	-	-	-	-	No water present in toe drain
Number of Samples Collected						0
Lowest Value						0.0
Mean of Sample						0.0
Highest Sample Value						0.0
Median						0.0

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Comments		
Quarterly	04/01/2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No water present in toe drain	
Quarterly	05/04/2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No water present in toe drain	
Quarterly	19/07/2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No water present in toe drain	
Quarterly	24/10/2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No water present in toe drain	
Lowest Value				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Mean of Sample				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Highest Sample Value				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

Monitoring Point: 42 <Southern Waste Emplacement>
Southern Waste Emplacement leachate quality monitoring

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Electrical Conductivity (µS/cm)	Comments
Monthly	04/01/2023	04/01/2023	21/02/2023	7.29	20484	
Monthly	24/02/2023	22/02/2023	21/03/2023	7.68	20046	
Monthly	21/03/2023	21/03/2023	20/04/2023	7.60	14366	
Monthly	05/04/2023	05/04/2023	19/05/2023	7.49	19938	
Monthly	24/05/2023	24/05/2023	22/06/2023	7.91	15791	
Monthly	15/06/2023	15/06/2023	23/07/2023	8.03	21621	
Monthly	19/07/2023	19/07/2023	24/08/2023	7.99	14560	
Monthly	30/08/2023	30/08/2023	23/09/2023	7.71	16087	
Monthly	13/09/2023	13/09/2023	23/10/2023	7.29	18018	
Monthly	24/10/2023	24/10/2023	20/11/2023	7.78	14996	
Monthly	23/11/2023	23/11/2023	21/12/2023	7.8	21081	
Monthly	06/12/2023	06/12/2023	19/01/2024	7.25	21537	
Number of Samples Collected						12
Lowest Value						7.1
Mean of Sample						7.7
Highest Sample Value						8.0
Median						7.7

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Comments
Quarterly	04/01/2023	14/01/2023	21/02/2023	266	<0.0005	0.0005	0.00745	644	6270	0.0009	0.005	<0.0001	601	0.741	0.0044	0.0015	33	0.0015	2920	3190	4080	133	0.098	No water present in toe drain
Quarterly	05/04/2023	05/04/2023	19/05/2023	245	<0.0005	<0.0005	0.0067	742	5880	<0.001	<0.005	<0.0002	774	0.411	0.0038	<0.0005	40	<0.002	3190	3330	5040	6	0.08	No water present in toe drain
Quarterly	19/07/2023	27/07/2023	24/08/2023	243	<0.0005	<0.0005	0.0080	719	5560	0.001	<0.005	<0.0002	701	1.14	0.0034	0.0011	36	<0.002	3170	3220	4680	264	0.135	No water present in toe drain
Quarterly	24/10/2023	03/11/2023	20/11/2023	249	<0.0005	<0.0005	0.0066	675	5660	<0.001	<0.005	<0.0002	669	0.297	0.0032	<0.0005	36	<0.002	3140	3130	4440	117	0.067	No water present in toe drain
Lowest Value				243.0000	0.0003	0.0005	0	644	5560.000	0.0009	0.0050	0.0000	601.0000	0.2970	0.001	0.0011	33.000	0.0015	2920	3190	4080.000	6	0.067	
Mean of Sample				250.7500	0.0003	0.0005	0	695	5842.500	0.0010	0.0050	0.0000	686.2500	0.6473	0.004	0.0013	36.250	0.0015	3305	3218	4560.000	130	0.095	
Highest Sample Value				266.0000	0.0003	0.0005	0	742	6270.000	0.0010	0.0050	0.0000	774.0000	1.1400	0.004	0.0015	40.000	0.0015	3190	3330	5040.000	264	0.135	

Monitoring Point: 43 <Perimeter Waste Emplacement>
Perimeter Waste Emplacement leachate quality monitoring

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	Comments
Monthly	04/01/2023	-	-	-	-	No water present in toe drain
Monthly	22/02/2023	-	-	-	-	No water present in toe drain
Monthly	21/03/2023	-	-	-	-	No water present in toe drain
Monthly	05/04/2023	-	-	-	-	No water present in toe drain
Monthly	24/05/2023	-	-	-	-	No water present in toe drain
Monthly	15/06/2023	-	-	-	-	No water present in toe drain
Monthly	19/07/2023	-	-	-	-	No water present in toe drain
Monthly	30/08/2023	-	-	-	-	No water present in toe drain
Monthly	13/09/2023	-	-	-	-	No water present in toe drain
Monthly	24/10/2023	-	-	-	-	No water present in toe drain
Monthly	23/11/2023	-	-	-	-	No water present in toe drain
Monthly	06/12/2023	-	-	-	-	No water present in toe drain
Number of Samples Collected						0
Lowest Value						0.0
Mean of Sample						0.0
Highest Sample Value						0.0
Median						0.0

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Comments	
Quarterly	04/01/2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No water present in toe drain
Quarterly	05/04/2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No water present in toe drain
Quarterly	19/07/2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No water present in toe drain
Quarterly	24/10/2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No water present in toe drain
Lowest Value				0.0000	0.0000	0.0000	0	0	0.000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000	0.0000	0.0000	0.0000	0	0	0.000	0	0.000	
Mean of Sample				0.0000	0.0000	0.0000	0	0	0.000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000	0.0000	0.0000	0.0000	0	0	0.000	0	0.000	
Highest Sample Value				0.0000	0.0000	0.0000	0	0	0.000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000	0.0000	0.0000	0.0000	0	0	0.000	0	0.000	



Ambient Noise

Q1 Noise Monitoring

Location	Date Sampled	Date Obtained	Date Published	Mine Contributed LA _{eq(15minmax)} - dBA		Noise Criteria LA _{eq(15minmax)} - dBA	Comments
				Survey 1	Survey 2		
New Lake Foreshore	N01	20/02/2023	13/03/2023	21/03/2023	20	20	
	N11	20/02/2023	13/03/2023	21/03/2023	<20	<20	
Laurel Park	N09	20/02/2023	13/03/2023	21/03/2023	<20	<20	
	N10	20/02/2023	13/03/2023	21/03/2023	<20	<20	
Lakeview III (New Westella)	N12	20/02/2023	13/03/2023	21/03/2023	<20	<20	
	N15	20/02/2023	13/03/2023	21/03/2023	23	21	
Bramboyne	N17	20/02/2023	13/03/2023	21/03/2023	<20	<20	
	N16	20/02/2023	13/03/2023	21/03/2023	22	25	
The Glen							
Caloola 2							
Lakeview & II (Lakeview)							
Foxman Downs 2							

Location	Date Sampled	Date Obtained	Date Published	Mine Contributed LA _{eq(15minmax)} - dB		Noise Criteria LA _{eq(15minmax)} - dBA	Comments
				Survey 1	Survey 2		
New Lake Foreshore	N01	21/02/2023	13/03/2023	21/03/2023	20		Initial survey not completed.
	N11	21/02/2023	13/03/2023	21/03/2023	<20	<20	
Laurel Park	N09	21/02/2023	13/03/2023	21/03/2023	<20	<20	
	N10	21/02/2023	13/03/2023	21/03/2023	<20	<20	
Lakeview III (New Westella)	N12	21/02/2023	13/03/2023	21/03/2023	<20	<20	
	N15	21/02/2023	13/03/2023	21/03/2023	<20	<20	
Bramboyne	N17	21/02/2023	13/03/2023	21/03/2023	<20	<20	
	N16	21/02/2023	13/03/2023	21/03/2023	25	26	
The Glen							
Caloola 2							
Lakeview & II (Lakeview)							
Foxman Downs 2							

<20 - Mine noise emission inaudible or barely audible

Location	Date Sampled	Date Obtained	Date Published	Mine Contributed LA _{eq(15minmax)} - dB		Noise Criteria LA _{eq(15minmax)} - dBA	Night d8(A) LAFmax	Comments
				Survey 1	Survey 2			
New Lake Foreshore	N01	21/02/2023	13/03/2023	21/03/2023	22	20	-	
	N11	21/02/2023	13/03/2023	21/03/2023	<20	<20	35	52
Laurel Park	N09	21/02/2023	13/03/2023	21/03/2023	<20	<20	38	52
	N10	21/02/2023	13/03/2023	21/03/2023	<20	<20	35	52
Lakeview III (New Westella)	N12	21/02/2023	13/03/2023	21/03/2023	<20	<20	37	52
	N15	21/02/2023	13/03/2023	21/03/2023	<20	<20	35	52
Bramboyne	N17	21/02/2023	13/03/2023	21/03/2023	<20	<20	36	52
	N16	21/02/2023	13/03/2023	21/03/2023	<20	<20	36	52
The Glen								
Caloola 2								
Lakeview & II (Lakeview)								
Foxman Downs 2								

<20 - Mine noise emission inaudible or barely audible

Q2 Noise Monitoring

Location	Date Sampled	Date Obtained	Date Published	Mine Contributed LA _{eq(15minmax)} - dB		Noise Criteria LA _{eq(15minmax)} - dBA	Comments
				Survey 1	Survey 2		
New Lake Foreshore	N01	02/05/2023	11/05/2023	19/05/2023	33	35	
	N11	02/05/2023	11/05/2023	19/05/2023	<20	<20	35
Laurel Park	N09	02/05/2023	11/05/2023	19/05/2023	<20	<20	38
	N10	02/05/2023	11/05/2023	19/05/2023	<20	<20	35
Lakeview III (New Westella)	N12	02/05/2023	11/05/2023	19/05/2023	<20	<20	37
	N15	02/05/2023	11/05/2023	19/05/2023	<20	<20	35
Bramboyne	N17	02/05/2023	11/05/2023	19/05/2023	<20	<20	36
	N16	02/05/2023	11/05/2023	19/05/2023	<20	<20	36
The Glen							
Caloola 2							
Lakeview & II (Lakeview)							
Foxman Downs 2							

<20 - Mine noise emission inaudible or barely audible

Location	Date Sampled	Date Obtained	Date Published	Mine Contributed LA _{eq(15minmax)} - dB		Noise Criteria LA _{eq(15minmax)} - dBA	Comments
				Survey 1	Survey 2		
New Lake Foreshore	N01	03/05/2023	11/05/2023	19/05/2023	36	38	
	N11	03/05/2023	11/05/2023	19/05/2023	<20	<20	35
Laurel Park	N09	03/05/2023	11/05/2023	19/05/2023	<20	<20	38
	N10	03/05/2023	11/05/2023	19/05/2023	<20	<20	35
Lakeview III (New Westella)	N12	03/05/2023	11/05/2023	19/05/2023	<20	<20	37
	N15	03/05/2023	11/05/2023	19/05/2023	<20	<20	35
Bramboyne	N17	03/05/2023	11/05/2023	19/05/2023	<20	<20	36
	N16	03/05/2023	11/05/2023	19/05/2023	<20	<20	36
The Glen							
Caloola 2							
Lakeview & II (Lakeview)							
Foxman Downs 2							

<20 - Mine noise emission inaudible or barely audible

Location	Date Sampled	Date Obtained	Date Published	Mine Contributed LA _{eq(15minmax)} - dBA		Noise Criteria LA _{eq(15minmax)} - dBA	Night d8(A) LAFmax	Comments
				Survey 1	Survey 2			
New Lake Foreshore	N01	03/05/2023	11/05/2023	19/05/2023	40	41	-	
	N11	03/05/2023	11/05/2023	19/05/2023	<20	<20	35	52
Laurel Park	N09	03/05/2023	11/05/2023	19/05/2023	<20	<20	38	52
	N10	03/05/2023	11/05/2023	19/05/2023	<20	<20	35	52
Lakeview III (New Westella)	N12	03/05/2023	11/05/2023	19/05/2023	23	21	37	52
	N15	03/05/2023	11/05/2023	19/05/2023	<20	<20	35	52
Bramboyne	N17	04/05/2023	11/05/2023	19/05/2023	<20	<20	36	52
	N16	03/05/2023	11/05/2023	19/05/2023	<20	<20	36	52
The Glen								
Caloola 2								
Lakeview & II (Lakeview)								
Foxman Downs 2								

<20 - Mine noise emission inaudible or barely audible



Ambient Noise

Q3 Noise Monitoring

Location	Date Sampled	Date Obtained	Date Published	Mine Contributed LA _{eq(15min)} - dBA		Noise Criteria LA _{eq(15min)} - dBA	Comments
				Survey 1	Survey 2		
New Lake Foreshore	N01	21/08/2023	12/09/2023	21/09/2023	24	25	-
Laurel Park	N11	21/08/2023	12/09/2023	21/09/2023	<20	<20	35
Lakeview (New Westella)	N09	21/08/2023	12/09/2023	21/09/2023	<20	<20	38
Bramboyne	N10	21/08/2023	12/09/2023	21/09/2023	<20	<20	35
The Glen	N12	21/08/2023	12/09/2023	21/09/2023	<20	<20	37
Caloola 2	N15	21/08/2023	12/09/2023	21/09/2023	30	29	35
Lakeview & II (Lakeview)	N17	21/08/2023	12/09/2023	21/09/2023	<20	<20	36
Foxman Downs 2	N16	21/08/2023	12/09/2023	21/09/2023	<20	<20	36

<20 - Mine noise emission inaudible or barely audible

Location	Date Sampled	Date Obtained	Date Published	Mine Contributed LA _{eq(15min)} - dBA		Noise Criteria LA _{eq(15min)} - dBA	Comments
				Survey 1	Survey 2		
New Lake Foreshore	N01	23/08/2023	12/09/2023	21/09/2023	28	27	-
Laurel Park	N11	23/08/2023	12/09/2023	21/09/2023	34	27	35
Lakeview (New Westella)	N09	23/08/2023	12/09/2023	21/09/2023	<20	<20	38
Bramboyne	N10	23/08/2023	12/09/2023	21/09/2023	<20	<20	35
The Glen	N12	23/08/2023	12/09/2023	21/09/2023	<20	<20	37
Caloola 2	N15	23/08/2023	12/09/2023	21/09/2023	<20	<20	35
Lakeview & II (Lakeview)	N17	23/08/2023	12/09/2023	21/09/2023	<20	<20	36
Foxman Downs 2	N16	23/08/2023	12/09/2023	21/09/2023	<20	<20	36

<20 - Mine noise emission inaudible or barely audible

Location	Date Sampled	Date Obtained	Date Published	Mine Contributed LA _{eq(15min)} - dBA		Noise Criteria LA _{eq(15min)} - dBA	Night dB(A) LAFmax	Comments
				Survey 1	Survey 2			
New Lake Foreshore	N01	23/08/2023	12/09/2023	21/09/2023	29	29	-	
Laurel Park	N11	23/08/2023	12/09/2023	21/09/2023	<20	<20	53	
Lakeview (New Westella)	N09	23/08/2023	12/09/2023	21/09/2023	<20	<20	52	
Bramboyne	N10	23/08/2023	12/09/2023	21/09/2023	25	22	54	
The Glen	N12	23/08/2023	12/09/2023	21/09/2023	<20	<20	54	
Caloola 2	N15	23/08/2023	12/09/2023	21/09/2023	25	24	52	
Lakeview & II (Lakeview)	N17	23/08/2023	12/09/2023	21/09/2023	24	<20	52	
Foxman Downs 2	N16	23/08/2023	12/09/2023	21/09/2023	<20	<20	52	

<20 - Mine noise emission inaudible or barely audible

Q4 Noise Monitoring

Location	Date Sampled	Date Obtained	Date Published	Mine Contributed LA _{eq(15min)} - dBA		Noise Criteria LA _{eq(15min)} - dBA	Comments
				Survey 1	Survey 2		
New Lake Foreshore	N01	21/11/2023	19/12/2023	21/12/2023	22	24	-
Laurel Park	N11	21/11/2023	19/12/2023	21/12/2023	<20	<20	35
Lakeview (New Westella)	N09	21/11/2023	19/12/2023	21/12/2023	<20	<20	38
Bramboyne	N10	21/11/2023	19/12/2023	21/12/2023	<20	<20	35
The Glen	N12	21/11/2023	19/12/2023	21/12/2023	<20	<20	37
Caloola 2	N15	21/11/2023	19/12/2023	21/12/2023	<20	<20	35
Lakeview & II (Lakeview)	N17	21/11/2023	19/12/2023	21/12/2023	<20	<20	36
Foxman Downs 2	N16	21/11/2023	19/12/2023	21/12/2023	<20	<20	36

<20 - Mine noise emission inaudible or barely audible

Location	Date Sampled	Date Obtained	Date Published	Mine Contributed LA _{eq(15min)} - dBA		Noise Criteria LA _{eq(15min)} - dBA	Comments
				Survey 1	Survey 2		
New Lake Foreshore	N01	22/11/2023	19/12/2023	21/12/2023	22	23	-
Laurel Park	N11	22/11/2023	19/12/2023	21/12/2023	<20	22	35
Lakeview (New Westella)	N09	22/11/2023	19/12/2023	21/12/2023	<20	<20	38
Bramboyne	N10	22/11/2023	19/12/2023	21/12/2023	25	26	35
The Glen	N12	22/11/2023	19/12/2023	21/12/2023	<20	<20	37
Caloola 2	N15	22/11/2023	19/12/2023	21/12/2023	27	29	35
Lakeview & II (Lakeview)	N17	22/11/2023	19/12/2023	21/12/2023	<20	<20	36
Foxman Downs 2	N16	22/11/2023	19/12/2023	21/12/2023	<20	<20	36

<20 - Mine noise emission inaudible or barely audible

Location	Date Sampled	Date Obtained	Date Published	Mine Contributed LA _{eq(15min)} - dBA		Noise Criteria LA _{eq(15min)} - dBA	Night dB(A) LAFmax	Comments
				Survey 1	Survey 2			
New Lake Foreshore	N01	23/11/2023	19/12/2023	21/12/2023	26	28	-	
Laurel Park	N11	23/11/2023	19/12/2023	21/12/2023	<20	<20	35	
Lakeview (New Westella)	N09	23/11/2023	19/12/2023	21/12/2023	<20	<20	38	
Bramboyne	N10	23/11/2023	19/12/2023	21/12/2023	<20	<20	35	
The Glen	N12	23/11/2023	19/12/2023	21/12/2023	<20	<20	37	
Caloola 2	N15	23/11/2023	19/12/2023	21/12/2023	<20	<20	35	
Lakeview & II (Lakeview)	N17	23/11/2023	19/12/2023	21/12/2023	<20	<20	36	
Foxman Downs 2	N16	23/11/2023	19/12/2023	21/12/2023	26	26	52	

<20 - Mine noise emission inaudible or barely audible

Blasting

Table 1: Compliance percentages for the previous 12 months

Type of Exceedance	Total Number of Blasts (12 months)	No. of Exceedances (12 Months)			
		Daily Operation	Evening Operation	Night, Sunday and Public Holiday	Total % Exceedance
Open Pit					
Vibration	163	0	0	0	0.0%
Overpressure	163	0	0	3	1.8%
Underground					
Vibration	713	0	0	0	0.0%
Overpressure	713	0	0	1	0.1%
Combined					
Vibration	876	0	0	0	0.0%
Overpressure	876	0	0	4	0.5%

Table 2: Exceedances in the past 12 months

Exceedances in the past 12 months			
Type	Location	Date	Source
Overpressure	BM08.1 Cowal North	19th February 2023	Open Pit
Overpressure	BM01 Gumbelah Residence, BM08.1 Cowal North	16th July 2023	Open Pit
Overpressure	BM03 Coniston Residence	31st October 2023	Underground
Overpressure	BM01 Gumbelah Residence, BM02 Hillgrove Residence	12th November 2023	Open Pit

Date obtained: 09/01/2024



Cyanide

Monitoring Point: 48

Water quality monitoring, automated sampler located at the processing plant

Frequency	Month	No Sampled during Month	Total Cyanide (mg/L)				Comments
			Minimum	Mean	Median	Maximum	
Weekly	January	5	4.10	10.05	9.90	17.85	
Weekly	February	4	7.30	10.16	10.49	12.37	
Weekly	March	4	3.92	5.45	5.67	6.56	
Weekly	April	5	1.13	7.83	8.99	15.02	
Weekly	May	3	6.14	9.38	10.56	11.44	
Weekly	June	4	10.74	12.48	11.67	15.84	
Weekly	July	5	4.74	9.01	8.56	13.11	
Weekly	August	3	6.10	9.62	10.77	12.00	
Weekly	September	4	8.95	11.04	11.16	12.900	
Weekly	October	5	6.23	8.30	8.71	9.784	
Weekly	November	4	5.53	7.00	6.23	10.02	
Weekly	December	4	1.351	4.89	4.86	8.50	

Frequency	Month	No Sampled during Month	WAD Cyanide (mg/L)		Concentration Limits		Comments
			Minimum	Maximum	10th Percentile	90th Percentile	
Twice daily	January	60	2	14.84	20.00	30.00	Shutdown on the 31/01/2023
Twice daily	February	48	0	11.25	20.00	30.00	Shutdowns on the 1/2/2023; and 8-11
Twice daily	March	63	0.06	36.8	20.00	30.00	Additional sample taken on 22/3/2023 (refer to compliance tab)
Twice daily	April	59	0	9.94	20.00	30.00	Shutdown on 29/04/2023
Twice daily	May	47	0.154	13.706	20.00	30.00	Shutdown 22/05/2023 - 29/05/2023
Twice daily	June	61	2.43	13.973	20.00	30.00	
Twice daily	July	62	0.494	40.33	20.00	30.00	Maximum value found to be invalid following lab QA/QC and composite sampling.
Twice daily	August	50	1.77	20.05	20.00	30.00	Shutdown 8/08/2023 - 12/08/2023
Twice daily	September	60	0.00	13.85	20.00	30.00	
Twice daily	October	62	0.017	13.78	20.00	30.00	
Twice daily	November	60	0	10.02	20.00	30.00	
Twice daily	December	57	0	11.76	20.00	30.00	Shutdown 05/12/2023 - 07/12/2023

