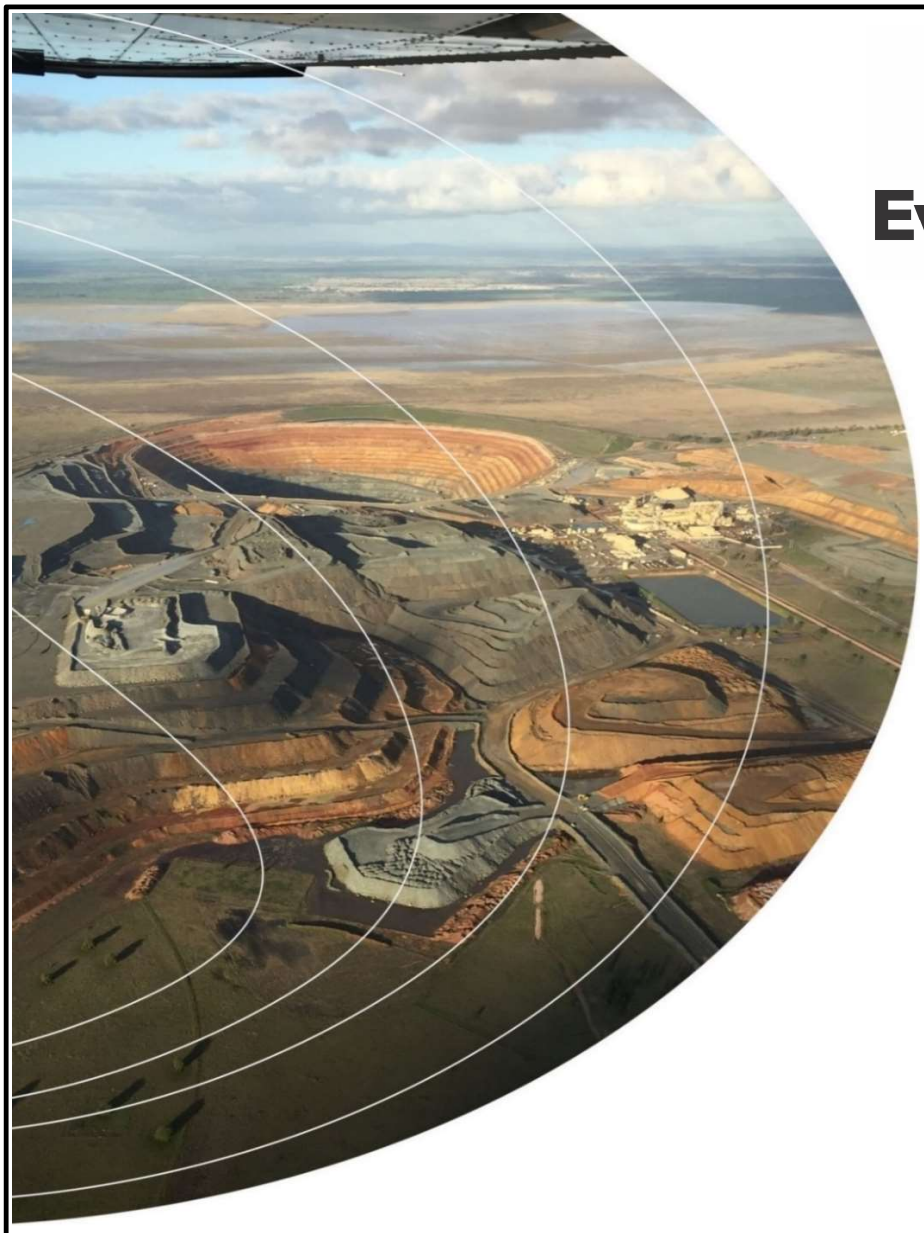

Environmental Monitoring Data

July 2021

EPL No: 11912
Licensee: Evolution Mining (Cowal) 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/m²/mth)	Comments
Monthly	28/01/2021	18/02/2021	20/02/2021	3.62	
Monthly	25/02/2021	11/03/2021	20/03/2021	2.84	
Monthly	29/03/2021	22/04/2021	20/05/2021	9.46	Water, Some Algae
Monthly	29/04/2021	14/05/2021	20/05/2021	1.06	
Monthly	27/05/2021	11/06/2021	20/06/2021	8.81	
Monthly	28/06/2021	14/07/2021	20/07/2021	3.29	
Monthly	29/07/2021	16/08/2021	20/08/2021	6.83	
Monthly					
Monthly					
Monthly					
Monthly					
Monthly					
Number of Samples Collected				7	
Lowest Value				1.1	
Mean of Sample				5.1	
Highest Sample Value				9.5	
Median				3.6	

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/m²/mth)	Comments
Monthly	28/01/2021	18/02/2021	20/02/2021	2.06	
Monthly	25/02/2021	11/03/2021	20/03/2021	3.04	
Monthly	29/03/2021	22/04/2021	20/05/2021	1.03	
Monthly	29/04/2021	14/05/2021	20/05/2021	0.35	
Monthly	27/05/2021	11/06/2021	20/06/2021	1.61	
Monthly	28/06/2021	14/07/2021	20/07/2021	4.16	
Monthly	29/07/2021	16/08/2021	20/08/2021	8.84	
Monthly					
Monthly					
Monthly					
Monthly					
Monthly					
Number of Samples Collected				7	
Lowest Value				0.4	
Mean of Sample				3.0	
Highest Sample Value				8.8	
Median				2.1	

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/m²/mth)	Comments
Monthly	28/01/2021	18/02/2021	20/02/2021	2.78	
Monthly	25/02/2021	11/03/2021	20/03/2021	4.00	
Monthly	29/03/2021	22/04/2021	20/05/2021	7.63	
Monthly	29/04/2021	14/05/2021	20/05/2021	10.14	Algaside, Bugs
Monthly	27/05/2021	11/06/2021	20/06/2021	12.38	Water, Insects
Monthly	28/06/2021	14/07/2021	20/07/2021	7.64	
Monthly	29/07/2021	16/08/2021	20/08/2021	28.43	Water, algae, bird poo, debris
Monthly					
Monthly					
Monthly					
Monthly					
Monthly					
Number of Samples Collected				7	
Lowest Value				2.8	
Mean of Sample				10.4	
Highest Sample Value				28.4	
Median				7.6	

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/m²/mth)	Comments
Monthly	28/01/2021	18/02/2021	20/02/2021	1.15	
Monthly	25/02/2021	11/03/2021	20/03/2021	5.53	
Monthly	29/03/2021	22/04/2021	20/05/2021	0.92	
Monthly	29/04/2021	14/05/2021	20/05/2021	0.51	
Monthly	27/05/2021	11/06/2021	20/06/2021	1.30	
Monthly	28/06/2021	14/07/2021	20/07/2021	3.64	
Monthly	29/07/2021	16/08/2021	20/08/2021	2.64	
Monthly					
Monthly					
Monthly					
Monthly					
Monthly					
Number of Samples Collected				7	
Lowest Value				0.5	
Mean of Sample				2.2	
Highest Sample Value				5.5	
Median				1.3	

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/m²/mth)	Comments
Monthly	28/01/2021	19/02/2021	20/03/2021	1.87	
Monthly	28/01/2021	11/03/2021	20/03/2021	3.01	
Monthly	29/03/2021	22/04/2021	20/05/2021	2.00	
Monthly	29/04/2021	14/05/2021	20/05/2021	0.26	
Monthly	27/05/2021	11/06/2021	20/06/2021	8.23	Water, Debris
Monthly	28/06/2021	14/07/2021	20/07/2021	3.49	
Monthly	29/07/2021	-	-	-	No access due to lake water
Monthly					
Monthly					
Monthly					
Monthly					
Monthly					
Number of Samples Collected				6	
Lowest Value				0.3	
Mean of Sample				3.1	
Highest Sample Value				8.2	
Median				2.5	

Dust

Monitoring Point: 6 <DG01>
Dust monitoring, Dust gauge located on private property to the north of ML1535 boundary

Frequency	Date Collected	Date Obtained	Date Published	Particulates (g/m^2/mth)	Comments
Monthly	28/01/2021	18/02/2021	20/02/2021	0.92	
Monthly	25/02/2021	11/03/2021	20/03/2021	0.90	
Monthly	29/03/2021	22/04/2021	20/05/2021	1.64	
Monthly	29/04/2021	14/05/2021	20/05/2021	0.36	
Monthly	27/05/2021	11/06/2021	20/06/2021	1.57	
Monthly	28/06/2021	14/07/2021	20/07/2021	1.50	
Monthly	29/07/2021	16/08/2021	20/08/2021	0.47	
Monthly					
Monthly					
Monthly					
Monthly					
Monthly					
Number of Samples Collected				7	
Lowest Value				0.4	
Mean of Sample				1.1	
Highest Sample Value				1.6	
Median				0.9	

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, 6 January 2021	18/02/2021	20/02/2021	34.4	
Every 7 days	Wednesday, 13 January 2021	18/02/2021	20/02/2021	31.5	
Every 7 days	Wednesday, 20 January 2021	18/02/2021	20/02/2021	51.5	
Every 7 days	Wednesday, 27 January 2021	18/02/2021	20/02/2021	56.2	
Every 7 days	Wednesday, 3 February 2021	19/03/2021	20/04/2021	19.6	
Every 7 days	Wednesday, 10 February 2021	19/03/2021	20/04/2021	29.3	
Every 7 days	Wednesday, 17 February 2021	19/03/2021	20/04/2021	42.0	
Every 7 days	Wednesday, 24 February 2021	19/03/2021	20/04/2021	47.7	
Every 7 days	Wednesday, 3 March 2021	19/04/2021	20/04/2021	85.6	
Every 7 days	Wednesday, 10 March 2021	19/04/2021	20/04/2021	88.8	
Every 7 days	Wednesday, 17 March 2021	22/04/2021	20/05/2021	23.2	
Every 7 days	Thursday, 25 March 2021	22/04/2021	20/05/2021	12.4	Ran on Thursday 25/03/2021 due to regional flooding.
Every 7 days	Wednesday, 31 March 2021	22/04/2021	20/05/2021	35.2	
Every 7 days	Wednesday, 7 April 2021	07/05/2021	20/05/2021	48.5	
Every 7 days	Wednesday, 14 April 2021	07/05/2021	20/05/2021	44.1	
Every 7 days	Wednesday, 21 April 2021	07/05/2021	20/05/2021	36.3	
Every 7 days	Wednesday, 28 April 2021	07/05/2021	20/05/2021	73.4	
Every 7 days	Wednesday, 5 May 2021	11/06/2021	20/06/2021	0.4	Instrument failed to run correctly.
Every 7 days	Saturday, 15 May 2021	11/06/2021	20/06/2021	33.2	Instrument failed to run on 13/05/2021. Hi-Vol machine swapped out and ran 15/05/2021.
Every 7 days	Wednesday, 19 May 2021	11/06/2021	20/06/2021	37.3	
Every 7 days	Wednesday, 26 May 2021	11/06/2021	20/06/2021	19.3	
Every 7 days	Wednesday, 2 June 2021	14/07/2021	20/07/2021	58.0	
Every 7 days	Wednesday, 9 June 2021	14/07/2021	20/07/2021	4.3	
Every 7 days	Wednesday, 16 June 2021	14/07/2021	20/07/2021	2.2	
Every 7 days	Wednesday, 23 June 2021	14/07/2021	20/07/2021	4.9	
Every 7 days	Wednesday, 30 June 2021	14/07/2021	20/07/2021	2.8	
Every 7 days	Wednesday, 7 July 2021	10/08/2021	20/08/2021	23.7	
Every 7 days	Wednesday, 14 July 2021	10/08/2021	20/08/2021	4.6	
Every 7 days	Wednesday, 21 July 2021	10/08/2021	20/08/2021	3.6	
Every 7 days	Wednesday, 28 July 2021	10/08/2021	20/08/2021	9.4	
Every 7 days					
Every 7 days					
Every 7 days					
Every 7 days					
Every 7 days					
Every 7 days					
Every 7 days					
Every 7 days					
Every 7 days					
Every 7 days					
Every 7 days					
Every 7 days					
Every 7 days					
Every 7 days					
Every 7 days					
Every 7 days					
Every 7 days					
Every 7 days					
Every 7 days					
Every 7 days					
Every 7 days					
Every 7 days					
Every 7 days					
Number of Samples Collected				30	
Lowest Value				0.4	
Mean of Sample				32.1	
Highest Sample Value				88.8	
Median				32.4	

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	06/01/2021	14/01/2021	20/02/2021	8.40	15478	52	
Monthly	31/01/2021	09/02/2021	20/02/2021	4.99	17589	164	Rainfall event monitoring
Monthly	05/02/2021	15/03/2021	20/03/2021	4.36	18146	184	
Monthly	03/03/2021	08/03/2021	20/04/2021	4.94	18969	89	
Monthly	19/03/2021	01/04/2021	20/04/2021	5.17	18751	36	Rainfall event monitoring
Monthly	24/03/2021	01/04/2021	20/04/2021	6.35	3602	127	Rainfall event monitoring. High water level.
Monthly	22/04/2021	03/05/2021	20/07/2021	8.92	3413	26	
Monthly	12/05/2021	20/05/2021	20/06/2021	9.17	3484	51	
Monthly	02/06/2021	10/06/2021	20/07/2021	5.79	4583	9	
Monthly	10/06/2021	21/06/2021	20/07/2021	5.63	4333	80	Rainfall event monitoring
Monthly	22/07/2021	29/07/2021	20/08/2021	8.46	4471	25	
Monthly							
Monthly							
Monthly							
Monthly							
Monthly							
Number of Samples Collected				11.00	11	11	
Lowest Value				4.36	3413	9	
Mean of Sample				6.56	10256	77	
Highest Sample Value				9.17	18969	184	
Median				5.79	4583	52	

Monitoring Point: 13 <D4>
Stormwater quality monitoring, Southern 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	06/01/2021	14/01/2021	20/02/2021	8.51	1027	35	
Monthly	31/01/2021	09/02/2021	20/02/2021	6.06	1514	178	Rainfall event monitoring
Monthly	05/02/2021	15/03/2021	20/03/2021	5.21	1224	112	
Monthly	03/03/2021	08/03/2021	20/04/2021	5.45	1298	97	
Monthly	19/03/2021	01/04/2021	20/04/2021	6.03	1145	47	Rainfall event monitoring
Monthly	24/03/2021	01/04/2021	20/04/2021	6.24	1465	35	Rainfall event monitoring. High water level.
Monthly	22/04/2021	03/05/2021	20/07/2021	8.33	1535	44	
Monthly	12/05/2021	20/05/2021	20/06/2021	7.01	6164	6	
Monthly	02/06/2021	10/06/2021	20/07/2021	6.38	8967	3	
Monthly	10/06/2021	21/06/2021	20/07/2021	5.40	7926	32	Rainfall event monitoring
Monthly	22/07/2021	29/07/2021	20/08/2021	8.08	7742	6	
Monthly							
Monthly							
Monthly							
Monthly							
Monthly							
Number of Samples Collected				11.00	11	11	
Lowest Value				5.21	1027	3	
Mean of Sample				6.61	3637	54	
Highest Sample Value				8.51	8967	178	
Median				6.24	1514	35	

Lake Water

Monitoring Point: 14 <P1>
Ambient water quality monitoring, Surface water point within ML1535 on Lake Cowal

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	Total Suspended Solids (mg/L)	Comments
Weekly	January, 2021	-	-	-	-	-	Lake Level below 204.5 AHD, monitoring no longer required
Weekly	February, 2021	-	-	-	-	-	Lake Level below 204.5 AHD, monitoring no longer required
Weekly	March, 2021	-	-	-	-	-	Lake level 204.829 AHD (04/04/2021). Monitoring will commence when risk associated with sampling is low or acceptable.
Weekly	April, 2021	-	-	-	-	-	Lake level 204.757 AHD (03/05/2021). Monitoring will commence when risk associated with sampling is low or acceptable.
Weekly	May, 2021	-	-	-	-	-	Lake level 204.741 AHD (06/06/2021). Monitoring will commence when risk associated with sampling is low or acceptable.
Weekly	June, 2021	-	-	-	-	-	Lake level 204.876 AHD (05/07/2021). Monitoring will commence when risk associated with sampling is low or acceptable.
Weekly	July, 2021	-	-	-	-	-	Lake level 205.115 AHD (02/08/2021). Monitoring will commence when risk associated with sampling is low or acceptable.
Weekly							
Weekly							
Weekly							
Weekly							
Weekly							
Number of Samples Collected				0	0	0	
Lowest Value				0.0	0.0	0.0	
Mean of Sample				0.0	0.0	0.0	
Highest Sample Value				0.0	0.0	0.0	
Median				0.0	0.0	0.0	

Frequency	Date Sampled	Date Obtained	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	January, 2021	-	-	-	-	-	-	-	-	-	-	-	-	-	Lake Level below 204.5 AHD
Quarterly	April, 2021	-	-	-	-	-	-	-	-	-	-	-	-	-	See Weekly Comment
Quarterly															
Quarterly															

Monitoring Point: 15 <P2>
Ambient water quality monitoring, Surface water point within ML1535 on Lake Cowal

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	Total Suspended Solids (mg/L)	Comments
Monthly	January, 2021	-	-	-	-	-	Lake Level below 204.5 AHD, monitoring no longer required
Monthly	February, 2021	-	-	-	-	-	Lake Level below 204.5 AHD, monitoring no longer required
Monthly	March, 2021	-	-	-	-	-	Lake level 204.829 AHD (04/04/2021). Monitoring will commence when risk associated with sampling is low or acceptable.
Monthly	April, 2021	-	-	-	-	-	Lake level 204.757 AHD (03/05/2021). Monitoring will commence when risk associated with sampling is low or acceptable.
Monthly	May, 2021	-	-	-	-	-	Lake level 204.741 AHD (06/06/2021). Monitoring will commence when risk associated with sampling is low or acceptable.
Monthly	June, 2021	-	-	-	-	-	Lake level 204.876 AHD (05/07/2021). Monitoring will commence when risk associated with sampling is low or acceptable.
Monthly	July, 2021	-	-	-	-	-	Lake level 205.115 AHD (02/08/2021). Monitoring will commence when risk associated with sampling is low or acceptable.
Monthly							
Monthly							
Monthly							
Monthly							
Monthly							
Number of Samples Collected				0	0		
Lowest Value				0.0	0.0		
Mean of Sample				0.0	0.0		
Highest Sample Value				0.0	0.0		
Median				0.0	0.0		

Frequency	Date Sampled	Date Obtained	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	January, 2021	-	-	-	-	-	-	-	-	-	-	-	-	-	Lake Level below 204.5 AHD
Quarterly	April, 2021	-	-	-	-	-	-	-	-	-	-	-	-	-	See Weekly Comment
Quarterly															
Quarterly															

Monitoring Point: 16 <P3>
Ambient water quality monitoring, Surface water point within ML1535 on Lake Cowal

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	Total Suspended Solids (mg/L)	Comments
Weekly	January, 2021	-	-	-	-	-	Lake Level below 204.5 AHD, monitoring no longer required
Weekly	February, 2021	-	-	-	-	-	Lake Level below 204.5 AHD, monitoring no longer required
Weekly	March, 2021	-	-	-	-	-	Lake level 204.829 AHD (04/04/2021). Monitoring will commence when risk associated with sampling is low or acceptable.
Weekly	April, 2021	-	-	-	-	-	Lake level 204.757 AHD (03/05/2021). Monitoring will commence when risk associated with sampling is low or acceptable.
Weekly	May, 2021	-	-	-	-	-	Lake level 204.741 AHD (06/06/2021). Monitoring will commence when risk associated with sampling is low or acceptable.
Weekly	June, 2021	-	-	-	-	-	Lake level 204.876 AHD (05/07/2021). Monitoring will commence when risk associated with sampling is low or acceptable.
Weekly	July, 2021	-	-	-	-	-	Lake level 205.115 AHD (02/08/2021). Monitoring will commence when risk associated with sampling is low or acceptable.
Weekly							
Weekly							
Weekly							
Weekly							
Weekly							
Number of Samples Collected				0	0	0	
Lowest Value				0.0	0.0	0.0	
Mean of Sample				0.0	0.0	0.0	
Highest Sample Value				0.0	0.0	0.0	
Median				0.0	0.0	0.0	

Frequency	Date Sampled	Date Obtained	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	January, 2021	-	-	-	-	-	-	-	-	-	-	-	-	-	Lake Level below 204.5 AHD
Quarterly	April, 2021	-	-	-	-	-	-	-	-	-	-	-	-	-	See Weekly Comment
Quarterly															
Quarterly															

Monitoring Point: 17 <B1>
Ambient water quality monitoring, Surface water point within ML1535 on Lake Cowal

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	Total Suspended Solids (mg/L)	Comments
Monthly	January, 2021	-	-	-	-	-	Lake Level below 204.5 AHD, monitoring no longer required
Monthly	February, 2021	-	-	-	-	-	Lake Level below 204.5 AHD, monitoring no longer required
Monthly	March, 2021	-	-	-	-	-	Lake level 204.829 AHD (04/04/2021). Monitoring will commence when risk associated with sampling is low or acceptable.
Monthly	April, 2021	-	-	-	-	-	Lake level 204.757 AHD (03/05/2021). Monitoring will commence when risk associated with sampling is low or acceptable.
Monthly	May, 2021	-	-	-	-	-	Lake level 204.741 AHD (06/06/2021). Monitoring will commence when risk associated with sampling is low or acceptable.
Monthly	June, 2021	-	-	-	-	-	Lake level 204.876 AHD (05/07/2021). Monitoring will commence when risk associated with sampling is low or acceptable.
Monthly	July, 2021	-	-	-	-	-	Lake level 205.115 AHD (02/08/2021). Monitoring will commence when risk associated with sampling is low or acceptable.
Monthly							
Monthly							
Monthly							
Monthly							
Monthly							
Number of Samples Collected				0	0		
Lowest Value				0.0	0.0		
Mean of Sample				0.0	0.0		
Highest Sample Value				0.0	0.0		
Median				0.0	0.0		

Frequency	Date Sampled	Date Obtained	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	January, 2021	-	-	-	-	-	-	-	-	-	-	-	-	-	Lake Level below 204.5 AHD
Quarterly	April, 2021	-	-	-	-	-	-	-	-	-	-	-	-	-	See Weekly Comment
Quarterly															
Quarterly															

Monitoring Point: 18 <B6>
Ambient water quality monitoring, Surface water point on Lake Cowal to the south-east of ML1535 boundary

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	Total Suspended Solids (mg/L)	Comments
Monthly	January, 2021	-	-	-	-	-	Lake Level below 204.5 AHD, monitoring no longer required
Monthly	February, 2021	-	-	-	-	-	Lake Level below 204.5 AHD, monitoring no longer required
Monthly	March, 2021	-	-	-	-	-	Lake level 204.829 AHD (04/04/2021). Monitoring will commence when risk associated with sampling is low or acceptable.
Monthly	April, 2021	-	-	-	-	-	Lake level 204.757 AHD (03/05/2021). Monitoring will commence when risk associated with sampling is low or acceptable.
Monthly	May, 2021	-	-	-	-	-	Lake level 204.741 AHD (06/06/2021). Monitoring will commence when risk associated with sampling is low or acceptable.
Monthly	June, 2021	-	-	-	-	-	Lake level 204.876 AHD (05/07/2021). Monitoring will commence when risk associated with sampling is low or acceptable.
Monthly	July, 2021	-	-	-	-	-	Lake level 205.115 AHD (02/08/2021). Monitoring will commence when risk associated with sampling is low or acceptable.
Monthly							
Monthly							
Monthly							
Monthly							
Monthly							
Number of Samples Collected				0	0		
Lowest Value				0.0	0.0		
Mean of Sample				0.0	0.0		
Highest Sample Value				0.0	0.0		
Median				0.0	0.0		

Frequency	Date Sampled	Date Obtained	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	January, 2021	-	-	-	-	-	-	-	-	-	-	-	-	-	Lake Level below 204.5 AHD
Quarterly	April, 2021	-	-	-	-	-	-	-	-	-	-	-	-	-	See Weekly Comment
Quarterly															
Quarterly															

Groundwater

Monitoring Point: 19 <P555A-R>
Groundwater quality monitoring, Piezometer located up gradient of southern tailings storage facility

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	13/01/2021	13/01/2021	20/02/2021	6.67	32318	20.818	
Monthly	03/02/2021	03/02/2021	20/03/2021	6.73	32139	20.765	
Monthly	09/03/2021	09/03/2021	20/04/2021	6.70	31768	20.850	
Monthly	19/04/2021	19/04/2021	20/05/2021	6.81	32484	20.788	
Monthly	10/05/2021	10/05/2021	20/06/2021	6.71	31488	20.765	
Monthly	22/06/2021	22/06/2021	20/07/2021	6.73	30937	21.220	
Monthly	08/07/2021	08/07/2021	20/08/2021	6.71	31079	20.800	
Monthly							
Monthly							
Monthly							
Monthly							
Monthly							
Number of Samples Collected				7	7	7	
Lowest Value				6.7	30937	20.765	
Mean of Sample				6.7	31745	20.858	
Highest Sample Value				6.8	32484	21.220	
Median				6.7	31768	20.800	

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)	Cyanide WAD (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)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Comments
Quarterly	13/01/2021	22/01/2021	20/02/2021	828	<0.0005	0.0005	0.0007	284	11700	0.001	<0.004	0.013	<0.0002	828	0.182	0.0019	0.0096	25	0.003	6240	2480	23700	4120	0.007	
Quarterly	19/04/2021	03/05/2021	20/05/2021	854	<0.0005	0.0005	0.0004	291	9130	0.001	<0.004	<0.005	<0.0002	762	0.219	0.0017	0.0092	25	<0.002	5840	2580	23100	3860	0.005	
Quarterly	08/07/2021	19/07/2021	20/08/2021	888	<0.0005	0.0007	0.0006	323	9210	<0.001	<0.004	<0.005	<0.0002	847	0.234	0.002	0.0104	30	0.004	6390	2520	26400	4290	0.008	
Quarterly																									

Monitoring Point: 26 <PP03>
Groundwater quality monitoring, Piezometer located near the processing plant area

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	19/01/2021	19/01/2021	20/02/2021	6.58	47645	17.640	
Monthly	02/02/2021	02/02/2021	20/03/2021	7.09	46929	17.690	
Monthly	16/03/2021	16/03/2021	20/04/2021	6.60	47304	17.750	
Monthly	22/04/2021	22/04/2021	20/05/2021	7.32	42097	17.410	
Monthly	19/05/2021	19/05/2021	20/06/2021	6.93	12979	17.600	
Monthly	15/06/2021	15/06/2021	20/07/2021	6.86	13062	17.720	
Monthly	14/07/2021	14/07/2021	20/08/2021	7.03	12182	17.650	
Monthly							
Monthly							
Monthly							
Monthly							
Monthly							
Monthly							
Monthly							
Number of Samples Collected				7	7	7	
Lowest Value				6.6	12182	17.410	
Mean of Sample				6.9	31743	17.637	
Highest Sample Value				7.3	47645	17.750	
Median				6.9	42097	17.650	

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)	Cyanide WAD (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)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Comments
Quarterly	19/01/2021	28/01/2021	20/02/2021	468	<0.0005	<0.0005	<0.0002	794	16400	0.003	<0.004	0.011	0.0012	1620	0.0115	0.0004	0.0022	57	0.01	8930	3120	35000	8650	0.024	
Quarterly	22/04/2021	07/05/2021	20/05/2021	247	0.0007	0.0013	0.00017	306	3310	0.007	<0.004	0.007	0.0001	309	0.0050	0.0147	0.0011	24	0.01	2100	2080	8320	2040	0.018	
Quarterly	14/07/2021	21/07/2021	20/08/2021	293	0.0007	0.0012	0.00025	396	3470	0.007	<0.004	0.004	0.0003	325	0.0288	0.010	0.0013	24	0.0109	2370	2140	9520	2330	0.031	
Quarterly																									

Monitoring Point: 27 <PP04>
Groundwater quality monitoring, Piezometer located near the processing plant area

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	19/01/2021	19/01/2021	20/02/2021	6.59	47708	15.840	
Monthly	02/02/2021	02/02/2021	20/03/2021	6.97	47915	15.940	
Monthly	16/03/2021	16/03/2021	20/04/2021	6.51	47144	16.030	
Monthly	22/04/2021	22/04/2021	20/05/2021	6.82	41555	15.990	
Monthly	19/05/2021	19/05/2021	20/06/2021	6.58	47334	16.040	
Monthly	15/06/2021	15/06/2021	20/07/2021	6.59	46231	16.040	
Monthly	14/07/2021	14/07/2021	20/08/2021	6.54	42199	16.030	
Monthly							
Monthly							
Monthly							
Monthly							
Monthly							
Number of Samples Collected				7	7	7	
Lowest Value				6.5	41555	15.840	
Mean of Sample				6.7	45727	15.987	
Highest Sample Value				7.0	47915	16.040	
Median				6.6	47144	16.030	

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)	Cyanide WAD (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)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Comments
Quarterly	19/01/2021	28/01/2021	20/02/2021	496	<0.0005	<0.0005	<0.0002	761	16400	<0.001	<0.004	0.010	<0.0002	1520	<0.0005	0.0004	0.0011	50	0.01	8830	3380	35800	8160	<0.005	
Quarterly	22/04/2021	07/05/2021	20/05/2021	504	<0.0005	<0.0005	<0.0002	774	17400	<0.001	<0.004	0.021	<0.0002	1610	0.0017	0.0002	0.0013	47	0.009	9340	3800	34500	8560	0.005	
Quarterly	14/07/2021	21/07/2021	20/08/2021	537	<0.0005	<0.0005	<0.0002	848	14200	<0.001	<0.004	<0.005	<0.0002	1620	0.0006	0.0001	<0.0005	46	0.011	9590	3680	35600	8790	<0.005	
Quarterly																									

Monitoring Point: 30 <P417A>
Groundwater quality monitoring, Piezometer located down gradient of southern tailings storage facility

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	12/01/2021	12/01/2021	20/02/2021	6.54	46533	12.014	
Monthly	24/02/2021	24/02/2021	20/03/2021	6.64	46337	12.011	
Monthly	24/03/2021	24/03/2021	20/04/2021	6.57	45760	11.951	
Monthly	12/04/2021	12/04/2021	20/05/2021	6.57	47392	12.039	
Monthly	13/05/2021	13/05/2021	20/06/2021	6.52	45437	11.956	
Monthly	23/06/2021	23/06/2021	20/07/2021	6.58	44673	11.975	
Monthly	13/07/2021	13/07/2021	20/08/2021	6.55	44815	11.929	
Monthly							
Monthly							
Monthly							
Monthly							
Monthly							
Number of Samples Collected				7	7	7	
Lowest Value				6.5	44673	11.929	
Mean of Sample				6.6	45850	11.982	
Highest Sample Value				6.6	47392	12.039	
Median				6.6	45760	11.975	

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)	Cyanide WAD (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)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Comments
Quarterly	12/01/2021	22/01/2021	20/02/2021	514	<0.0005	<0.0005	0.0009	611	18400	0.001	<0.004	0.006	0.0006	1550	0.0457	0.0008	0.0044	35	0.008	8680	3180	34300	7910	<0.005	
Quarterly	12/04/2021	26/05/2021	20/05/2021	484	<0.0005	<0.0005	0.0009	628	15400	0.002	<0.004	0.010	<0.0002	1620	0.0457	0.0007	0.0036	36	0.007	9220	2770	32200	8240	0.006	
Quarterly	13/07/2021	21/07/2021	20/08/2021	487	<0.0005	<0.0005	0.0007	676	13600	0.002	<0.004	<0.005	<0.0002	1490	0.0277	0.0007	0.0053	38	0.008	8650	3150	32900	7820	<0.005	
Quarterly																									

Groundwater

Monitoring Point: 31 <P417B>

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	12/01/2021	12/01/2021	20/02/2021	6.55	41451	11.970	
Monthly	24/02/2021	24/02/2021	20/03/2021	6.66	42478	11.975	
Monthly	24/03/2021	24/03/2021	20/04/2021	6.66	42146	11.844	
Monthly	12/04/2021	12/04/2021	20/05/2021	6.59	42630	11.996	
Monthly	13/05/2021	13/05/2021	20/06/2021	6.61	40963	11.925	
Monthly	23/06/2021	23/06/2021	20/07/2021	6.79	41447	11.950	
Monthly	13/07/2021	13/07/2021	20/08/2021	6.66	41084	11.881	
Monthly							
Monthly							
Monthly							
Monthly							
Monthly							
Number of Samples Collected				7	7	7	
Lowest Value				6.6	40963	11.844	
Mean of Sample				6.6	41743	11.934	
Highest Sample Value				6.8	42630	11.996	
Median				6.7	41451	11.950	

Total Suspended Particles (µg/m^3)

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)	Cyanide WAD (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)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Comments
Quarterly	12/01/2021	22/01/2021	20/02/2021	258	<0.0005	0.0005	<0.0002	500	16900	0.001	<0.004	0.006	0.0002	1370	0.0006	0.0002	0.0012	22	0.010	7940	2770	36400	6890	0.007	
Quarterly	12/04/2021	26/05/2021	20/05/2021	258	<0.0005	<0.0005	<0.0002	517	13900	0.002	<0.004	0.009	0.0006	1410	0.0026	0.0003	0.0011	22	0.010	8050	2480	29200	7100	0.032	
Quarterly	13/07/2021	21/07/2021	20/08/2021	247	<0.0005	<0.0005	<0.0002	587	12500	0.002	<0.004	0.005	<0.0002	1360	0.0029	0.0003	<0.0005	21	0.011	8120	2870	29200	7070	0.02	
Quarterly																									

Monitoring Point: 32 <P418A>

Groundwater quality monitoring, Piezometer located down gradient of northern tailings storage facility

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	14/01/2021	14/01/2021	20/02/2021	6.56	48770	8.398	
Monthly	25/02/2021	25/02/2021	20/03/2021	6.68	48327	8.305	
Monthly	11/03/2021	11/03/2021	20/04/2021	6.52	47870	8.341	
Monthly	16/04/2021	16/04/2021	20/05/2021	6.58	49816	8.268	
Monthly	28/05/2021	28/05/2021	20/06/2021	5.41	-	8.271	Instrument error
Monthly	07/06/2021	07/06/2021	20/07/2021	6.51	46838	8.224	
Monthly	28/07/2021	28/07/2021	20/08/2021	6.59	47188	8.075	
Monthly							
Monthly							
Monthly							
Monthly							
Monthly							
Number of Samples Collected				7	6	7	
Lowest Value				5.4	46838	8.075	
Mean of Sample				6.4	48135	8.269	
Highest Sample Value				6.7	49816	8.398	
Median				6.6	48099	8.271	

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)	Cyanide WAD (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)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Comments
Quarterly	14/01/2021	22/01/2021	20/02/2021	528	<0.0005	0.0006	<0.0002	494	18700	<0.001	<0.004	0.665	<0.0002	1490	0.394	0.0004	0.0008	22	<0.002	10200	4880	35900	7370	<0.005	
Quarterly	16/04/2021	26/05/2021	20/05/2021	622	<0.0005	<0.0005	<0.0002	502	16300	0.002	<0.004	0.831	<0.0002	1360	0.381	0.0004	0.0018	24	<0.002	9410	4790	36100	6850	<0.005	
Quarterly	28/07/2021	04/08/2021	20/08/2021	537	<0.0005	<0.0005	<0.0002	503	15400	<0.001	<0.004	0.837	0.0002	1380	0.421	0.0004	0.0014	24	<0.002	9590	4700	35000	6940	<0.005	
Quarterly																									

Monitoring Point: 33 <P418B>

Groundwater quality monitoring, Piezometer located down gradient of northern tailings storage facility

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	14/01/2021	14/01/2021	20/02/2021	6.42	45739	8.407	
Monthly	25/02/2021	25/02/2021	20/03/2021	6.56	45270	8.324	
Monthly	11/03/2021	11/03/2021	20/04/2021	6.38	45087	8.420	
Monthly	16/04/2021	16/04/2021	20/05/2021	6.45	46514	8.293	
Monthly	28/05/2021	28/05/2021	20/06/2021	6.35	-	8.306	instrument error
Monthly	07/06/2021	07/06/2021	20/07/2021	6.38	44227	8.226	
Monthly	28/07/2021	28/07/2021	20/08/2021	6.45	44706	8.075	
Monthly							
Monthly							
Monthly							
Monthly							
Monthly							
Number of Samples Collected				7	6	7	
Lowest Value				6.4	44227	8.075	
Mean of Sample				6.4	45257	8.293	
Highest Sample Value				6.6	46514	8.420	
Median				6.4	45179	8.306	

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)	Cyanide WAD (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)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Comments
Quarterly	14/01/2021	22/01/2021	20/02/2021	673	<0.0005	<0.0005	<0.0002	356	17300	0.161	<0.004	0.140	0.0022	1270	0.036	0.0191	0.2690	12	0.005	9810	4250	33800	6120	0.080	
Quarterly	16/04/2021	26/05/2021	20/05/2021	711	<0.0005	<0.0005	<0.0002	362	15100	0.135	<0.004	0.012	0.0026	1170	0.018	0.0135	0.1740	12	0.005	9020	4520	35200	5720	0.112	
Quarterly	28/07/2021	04/08/2021	20/08/2021	603	<0.0005	<0.0005	<0.0002	374	14300	0.166	<0.004	0.017	0.0025	1220	0.0171	0.0268	0.174	12	0.005	9340	4510	33200	5960	0.144	
Quarterly																									

Groundwater

Monitoring Point: 36 <PDB1A>
Groundwater quality monitoring, Pit dewatering bore

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	14/01/2021	14/01/2021	20/02/2021	6.42	53871	17.935	
Monthly	24/02/2021	24/02/2021	20/03/2021	6.54	54303	18.021	
Monthly	24/03/2021	24/03/2021	20/04/2021	6.44	53539	17.683	
Monthly	14/04/2021	14/04/2021	20/05/2021	6.45	55525	17.988	
Monthly	13/05/2021	13/05/2021	20/06/2021	6.39	53194	18.106	
Monthly	25/06/2021	25/06/2021	20/07/2021	6.40	52061	17.945	
Monthly	13/07/2021	13/07/2021	20/08/2021	6.41	52427	17.959	
Monthly							
Monthly							
Monthly							
Monthly							
Monthly							
Number of Samples Collected				7	7	7	
Lowest Value				6.4	52061	17.683	
Mean of Sample				6.4	53560	17.948	
Highest Sample Value				6.5	55525	18.106	
Median				6.4	53539	17.959	

Frequency	Date Sampled	Date Obtained	Date Published	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)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Comments
Quarterly	14/01/2021	22/01/2021	20/02/2021	0.0008	0.0009	0.005	975	22300	<0.001	0.012	0.0004	1850	3.02	0.0007	0.0025	33	0.002	10500	4110	48300	10000	<0.005	
Quarterly	14/04/2021	30/04/2021	20/05/2021	0.0008	<0.0005	0.0044	952	18600	<0.001	0.005	<0.0002	1920	2.48	0.0008	0.0023	32	0.003	10800	3430	37500	10300	<0.005	
Quarterly	13/07/2021	21/07/2021	20/08/2021	0.0011	<0.0005	0.004	1090	16500	<0.001	0.005	<0.0002	1860	2.9	0.0004	0.0015	34	0.003	10800	4310	40300	10400	<0.005	
Quarterly																							

Monitoring Point: 38 <PDB3A>
Groundwater quality monitoring, Pit dewatering bore

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	14/01/2021	14/01/2021	20/02/2021	6.57	48221	82.415	
Monthly	25/02/2021	25/02/2021	20/03/2021	6.65	52588	82.429	
Monthly	24/03/2021	24/03/2021	20/04/2021	6.60	49678	82.395	
Monthly	14/04/2021	14/04/2021	20/05/2021	6.64	50932	82.515	
Monthly	14/05/2021	14/05/2021	20/06/2021	6.50	50998	82.516	
Monthly	23/06/2021	23/06/2021	20/07/2021	6.64	52115	82.530	
Monthly	13/07/2021	13/07/2021	20/08/2021	6.72	48982	82.474	
Monthly							
Monthly							
Monthly							
Monthly							
Monthly							
Number of Samples Collected				7	7	7	
Lowest Value				6.5	48221	82.395	
Mean of Sample				6.6	50502	82.468	
Highest Sample Value				6.7	52588	82.530	
Median				6.6	50932	82.474	

Frequency	Date Sampled	Date Obtained	Date Published	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)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Comments
Quarterly	14/01/2021	22/01/2021	20/02/2021	0.004	0.0024	0.0065	1110	22100	0.005	0.009	0.0003	1900	0.52	0.0072	0.0136	35	0.003	9590	3600	54100	10600	0.147	
Quarterly	14/04/2021	30/04/2021	20/05/2021	0.0158	0.0018	0.0061	1080	17700	0.011	0.012	0.0005	1850	0.47	0.0066	0.0150	44	0.004	9280	2990	35200	10300	0.492	
Quarterly	13/07/2021	21/07/2021	20/08/2021	0.0292	0.002	0.0052	1280	15700	0.024	0.015	0.0005	1820	0.45	0.0074	0.0174	65	0.005	9650	3530	38600	10700	0.846	
Quarterly																							

Monitoring Point: 40 <PDB5A>
Groundwater quality monitoring, Pit dewatering bore

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	12/01/2021	12/01/2021	20/02/2021	6.39	53568	36.320	
Monthly	24/02/2021	24/02/2021	20/03/2021	6.47	48722	36.545	
Monthly	24/03/2021	24/03/2021	20/04/2021	6.33	52731	36.541	
Monthly	14/04/2021	14/04/2021	20/05/2021	6.37	54550	36.643	
Monthly	13/05/2021	13/05/2021	20/06/2021	6.31	52343	36.594	
Monthly	25/06/2021	25/06/2021	20/07/2021	6.41	51376	36.513	
Monthly	13/07/2021	13/07/2021	20/08/2021	6.35	51683	36.434	
Monthly							
Monthly							
Monthly							
Monthly							
Monthly							
Number of Samples Collected				7	7	7	
Lowest Value				6.3	48722	36.320	
Mean of Sample				6.4	52139	36.513	
Highest Sample Value				6.5	54550	36.643	
Median				6.4	52343	36.541	

Frequency	Date Sampled	Date Obtained	Date Published	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)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Comments
Quarterly	12/01/2021	22/01/2021	20/02/2021	<0.0005	0.0075	0.0054	762	22600	0.002	0.022	<0.0002	1960	0.0197	0.0003	0.0214	42	0.004	9820	3430	41800	9970	0.045	
Quarterly	14/04/2021	30/04/2021	20/05/2021	<0.0005	0.0054	0.0055	788	19000	0.001	0.016	<0.0002	2080	0.0191	0.0004	0.0214	45	0.003	10400	2900	37000	10500	0.041	
Quarterly	13/07/2021	21/07/2021	20/08/2021	<0.0005	0.0058	0.0051	860	16600	0.002	0.025	<0.0002	1960	0.0203	0.0005	0.0538	41	0.005	10200	3460	39200	10200	0.040	
Quarterly																							

Monitoring Point: 52 <PDB1B>
Groundwater quality monitoring, Pit dewatering bore

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	14/01/2021	14/01/2021	20/02/2021	6.28	48221	7.580	
Monthly	24/02/2021	24/02/2021	20/03/2021	6.44	39058	7.323	
Monthly	24/03/2021	24/03/2021	20/04/2021	7.80	-	7.425	Instrument error
Monthly	14/04/2021	14/04/2021	20/05/2021	6.55	22164	6.211	
Monthly	13/05/2021	13/05/2021	20/06/2021	6.30	38160	6.271	
Monthly	25/06/2021	25/06/2021	20/07/2021	7.26	23066	6.762	
Monthly	13/07/2021	13/07/2021	20/08/2021	6.61	17523	6.721	
Monthly							
Monthly							
Monthly							
Monthly							
Monthly							
Number of Samples Collected				7	6	7	
Lowest Value				6.3	17523	6.211	
Mean of Sample				6.7	31365	6.899	
Highest Sample Value				7.8	48221	7.580	
Median				6.6	30613	6.762	

Frequency	Date Sampled	Date Obtained	Date Published	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)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Comments
Quarterly	14/01/2021	22/01/2021	20/02/2021	<0.0005	0.0052	<0.0002	718	18900	<0.001	7.28	<0.0002	1610	0.432	0.0003	0.0078	20	<0.002	8470	3550	35600	8420	0.01	
Quarterly	14/04/2021	30/04/2021	20/05/2021	<0.0005	<0.0005	0.0003	347	8140	0.008	0.026	0.0002	744	0.110	0.0006	0.0048	14	<0.002	4560	1790	16700	3930	0.02	
Quarterly	13/07/2021	21/07/2021	20/08/2021	<0.0005	<0.0005	0.0003	416	8570	0.004	0.041	<0.0002	871	0.12	0.0006	0.0097	15	<0.002	5390	2190	20400	4620	0.012	
Quarterly																							

Groundwater

Monitoring Point: 53 <PDB3B>
Groundwater quality monitoring, Pit dewatering bore

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	14/01/2021	14/01/2021	20/02/2021	5.97	51310	22.468	
Monthly	25/02/2021	25/02/2021	20/03/2021	6.17	52032	22.532	
Monthly	24/03/2021	24/03/2021	20/04/2021	6.03	51531	22.572	
Monthly	14/04/2021	14/04/2021	20/05/2021	6.07	53457	22.576	
Monthly	14/05/2021	14/05/2021	20/06/2021	6.04	51245	22.626	
Monthly	23/06/2021	23/06/2021	20/07/2021	6.10	50410	22.580	
Monthly	13/07/2021	13/07/2021	20/08/2021	6.1	50927	22.571	
Monthly							
Monthly							
Monthly							
Monthly							
Monthly							
Number of Samples Collected				7	7	7	
Lowest Value				6.0	50410	22.468	
Mean of Sample				6.1	51559	22.561	
Highest Sample Value				6.2	53457	22.626	
Median				6.1	51310	22.572	

Frequency	Date Sampled	Date Obtained	Date Published	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)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Comments
Quarterly	14/01/2021	22/01/2021	20/02/2021	<0.0005	0.0007	0.0009	1130	21100	<0.001	0.011	<0.0002	2170	0.0607	0.0006	0.004	49	0.016	9340	6710	41400	11800	<0.005	
Quarterly	14/04/2021	30/04/2021	20/05/2021	<0.0005	<0.0005	0.0009	1090	17700	<0.001	0.012	<0.0002	2160	0.0289	0.0005	0.002	48	0.018	9320	4000	37300	11600	0.006	
Quarterly	13/07/2021	21/07/2021	20/08/2021	<0.0005	<0.0005	0.0007	1260	15400	0.002	0.006	<0.0002	2150	0.0195	0.0002	0.0016	47	0.018	9540	4960	40300	12000	0.007	
Quarterly																							

Monitoring Point: 54 <PDB5B>
Groundwater quality monitoring, Pit dewatering bore

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	12/01/2021	12/01/2021	20/02/2021	5.91	49754	21.970	
Monthly	24/02/2021	24/02/2021	20/03/2021	6.05	49515	22.056	
Monthly	24/03/2021	24/03/2021	20/04/2021	5.87	49102	22.145	
Monthly	14/04/2021	14/04/2021	20/05/2021	5.93	50626	22.081	
Monthly	13/05/2021	13/05/2021	20/06/2021	5.87	48611	22.015	
Monthly	25/06/2021	25/06/2021	20/07/2021	5.89	47640	21.709	
Monthly	13/07/2021	13/07/2021	20/08/2021	5.89	47900	21.419	
Monthly							
Monthly							
Monthly							
Monthly							
Monthly							
Number of Samples Collected				7	7	7	
Lowest Value				5.9	47640	21.419	
Mean of Sample				5.9	49021	21.914	
Highest Sample Value				6.1	50626	22.145	
Median				5.9	49102	22.015	

Frequency	Date Sampled	Date Obtained	Date Published	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)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Comments
Quarterly	12/01/2021	22/01/2021	20/02/2021	<0.0005	0.0024	0.0015	803	20600	0.003	0.028	<0.0002	1810	0.0172	0.0026	0.0247	46	<0.002	9130	3480	36800	9460	<0.005	
Quarterly	14/04/2021	30/04/2021	20/05/2021	<0.0005	0.0012	0.0017	782	16900	0.005	0.044	<0.0002	1790	0.0164	0.0040	0.0392	45	<0.002	9010	2850	34600	9320	0.006	
Quarterly	13/07/2021	21/07/2021	20/08/2021	<0.0005	0.0015	0.0013	896	15000	0.008	0.072	<0.0002	1770	0.024	0.0066	0.101	44	0.002	9430	3500	36100	9530	0.006	
Quarterly																							

Monitoring Point: 57 <IWL06A>
Groundwater quality monitoring, Groundwater monitoring bore located to the south of the southern tailings storage facility

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	18/01/2021	18/01/2021	20/02/2021	6.66	44259	8.375	
Monthly	02/02/2021	02/02/2021	20/03/2021	6.83	44727	8.320	
Monthly	25/03/2021	25/03/2021	20/04/2021	6.67	43421	8.075	
Monthly	20/04/2021	20/04/2021	20/05/2021	6.71	45212	7.980	
Monthly	07/05/2021	07/05/2021	20/06/2021	6.63	43247	7.870	
Monthly	28/06/2021	28/06/2021	20/07/2021	6.66	42444	7.830	
Monthly	12/07/2021	12/07/2021	20/08/2021	6.65	42928	7.650	
Monthly							
Monthly							
Monthly							
Monthly							
Monthly							
Number of Samples Collected				7	7	7	
Lowest Value				6.6	42444	7.650	
Mean of Sample				6.7	43748	8.014	
Highest Sample Value				6.8	45212	8.375	
Median				6.7	43421	7.980	

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)	Cyanide WAD (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)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Comments
Quarterly	18/01/2021	28/01/2021	20/02/2021	419	<0.0005	<0.0005	0.0002	890	14700	<0.001	<0.004	0.030	<0.0002	1310	0.0828	0.0006	0.0214	53	0.006	8040	2900	31200	7620	<0.005	
Quarterly	20/04/2021	03/05/2021	20/05/2021	439	<0.0005	<0.0005	0.0002	870	15400	<0.001	<0.004	0.042	<0.0002	1220	0.0668	0.0003	0.0091	47	0.006	7740	3200	34100	7200	<0.005	
Quarterly	12/07/2021	21/07/2021	20/08/2021	431	<0.0005	<0.0005	<0.0002	924	12800	0.002	<0.004	0.021	<0.0002	1360	0.0556	0.0004	0.0059	46	0.008	8560	3150	30900	7910	0.008	
Quarterly																									

Monitoring Point: 58 <IWL06B>
Groundwater quality monitoring, Groundwater monitoring bore located to the south of the southern tailings storage facility

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	18/01/2021	18/01/2021	20/02/2021	6.58	42615	8.193	
Monthly	02/02/2021	02/02/2021	20/03/2021	6.82	43355	8.080	
Monthly	25/03/2021	25/03/2021	20/04/2021	6.54	43413	7.897	
Monthly	20/04/2021	20/04/2021	20/05/2021	6.57	44097	7.815	
Monthly	07/05/2021	07/05/2021	20/06/2021	6.53	42241	7.705	
Monthly	28/06/2021	28/06/2021	20/07/2021	6.55	41404	7.580	
Monthly	12/07/2021	12/07/2021	20/08/2021	6.54	41851	7.440	
Monthly							
Monthly							
Monthly							
Monthly							
Monthly							
Number of Samples Collected				7	7	7	
Lowest Value				6.5	41404	7.440	
Mean of Sample				6.6	42711	7.816	
Highest Sample Value				6.8	44097	8.193	
Median				6.6	42615	7.815	

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)	Cyanide WAD (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)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Comments
Quarterly	18/01/2021	28/01/2021	20/02/2021	681	<0.0005	<0.0005	<0.0002	657	14200	0.006	<0.004	0.111	<0.0002	1420	0.188	0.0054	0.771	44	0.007	7800	2870	36500	7490	0.008	
Quarterly	20/04/2021	03/05/2021	20/05/2021	685	<0.0005	<0.0005	<0.0002	633	14800	0.004	<0.004	0.053	<0.0002	1300	0.106	0.0036	0.491	39	0.006	7450	3340	33400	6930	<0.005	
Quarterly	12/07/2021	21/07/2021	20/08/2021	649	<0.0005	<0.0005	<0.0002	714	12400	0.004	<0.004	0.031	<0.0002	1460	0.0785	0.0041	0.538	39	0.008	8350	3160	31200	7800	<0.005	
Quarterly																									

Groundwater

Monitoring Point: 59 <IWL05A>
Groundwater quality monitoring, Groundwater monitoring bore located to the south of the southern tailings storage facility

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	18/01/2021	18/01/2021	20/02/2021	6.61	40841	4.960	
Monthly	15/02/2021	15/02/2021	20/03/2021	6.62	40757	4.655	
Monthly	26/03/2021	26/03/2021	20/04/2021	6.58	40209	4.795	
Monthly	20/04/2021	20/04/2021	20/05/2021	6.64	42224	4.800	
Monthly	07/05/2021	07/05/2021	20/06/2021	6.57	40349	4.720	
Monthly	22/06/2021	22/06/2021	20/07/2021	6.60	39534	4.476	
Monthly	06/07/2021	06/07/2021	20/08/2021	6.59	41779	4.675	
Monthly							
Monthly							
Monthly							
Monthly							
Monthly							
Number of Samples Collected				7	7	7	
Lowest Value				6.6	39534	4.476	
Mean of Sample				6.6	40813	4.726	
Highest Sample Value				6.6	42224	4.960	
Median				6.6	40757	4.720	

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)	Cyanide WAD (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)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Comments
Quarterly	18/01/2021	28/01/2021	20/02/2021	740	<0.0005	<0.0005	<0.0002	320	13300	0.003	<0.004	0.028	<0.0002	1260	0.0775	0.0036	0.344	57	0.013	7860	2950	28300	5990	0.007	
Quarterly	20/04/2021	03/05/2021	20/05/2021	794	<0.0005	<0.0005	<0.0002	312	14000	0.005	<0.004	0.042	<0.0002	1170	0.0754	0.0043	0.374	51	0.013	7600	3320	31300	5600	0.009	
Quarterly	06/07/2021	15/07/2021	20/08/2021	745	<0.0005	<0.0005	<0.0002	310	12500	0.004	<0.004	0.02	<0.0002	1190	0.0541	0.0036	0.259	55	0.014	7680	3140	29700	5670	0.011	
Quarterly																									

Monitoring Point: 60 <IWL05B>
Groundwater quality monitoring, Groundwater monitoring bore located to the south of the southern tailings storage facility

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	18/01/2021	18/01/2021	20/02/2021	6.60	42065	4.585	
Monthly	02/02/2021	02/02/2021	20/03/2021	6.64	41507	4.590	
Monthly	26/03/2021	26/03/2021	20/04/2021	6.55	41087	4.445	
Monthly	20/04/2021	20/04/2021	20/05/2021	6.63	43038	4.44	
Monthly	07/05/2021	07/05/2021	20/06/2021	6.57	41225	4.362	
Monthly	22/06/2021	22/06/2021	20/07/2021	6.63	40386	4.420	
Monthly	06/07/2021	06/07/2021	20/08/2021	6.66	42707	4.345	
Monthly							
Monthly							
Monthly							
Monthly							
Monthly							
Number of Samples Collected				7	7	7	
Lowest Value				6.6	40386	4.345	
Mean of Sample				6.6	41716	4.455	
Highest Sample Value				6.7	43038	4.590	
Median				6.6	41507	4.440	

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)	Cyanide WAD (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)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Comments
Quarterly	18/01/2021	28/01/2021	20/02/2021	428	<0.0005	<0.0005	<0.0002	133	13900	0.032	<0.004	1.22	<0.0002	1340	0.105	0.0076	0.548	47	<0.002	8020	2640	28700	5850	<0.005	
Quarterly	20/04/2021	03/05/2021	20/05/2021	484	<0.0005	<0.0005	<0.0002	129	14700	0.028	<0.004	1.17	<0.0002	1280	0.112	0.0082	0.654	42	<0.002	7720	2920	31800	5590	<0.005	
Quarterly	06/07/2021	15/07/2021	20/08/2021	480	<0.0005	<0.0005	<0.0002	131	12900	0.035	<0.004	2.270	<0.0002	1320	0.0755	0.0084	0.482	46	0.003	8040	2790	29800	5760	<0.005	
Quarterly																									

Monitoring Point: 61 <IWL04A>
Groundwater quality monitoring, Groundwater monitoring bore located to the south of the southern tailings storage facility

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	13/01/2021	13/01/2021	20/02/2021	6.83	35225	29.756	
Monthly	03/02/2021	03/02/2021	20/03/2021	6.77	35161	29.730	
Monthly	11/03/2021	11/03/2021	20/04/2021	6.75	34261	29.860	
Monthly	20/04/2021	20/04/2021	20/05/2021	6.90	35910	29.764	
Monthly	10/05/2021	10/05/2021	20/06/2021	6.80	34327	29.730	
Monthly	22/06/2021	22/06/2021	20/07/2021	6.97	33432	29.800	
Monthly	08/07/2021	08/07/2021	20/08/2021	6.82	33911	29.745	
Monthly							
Monthly							
Monthly							
Monthly							
Monthly							
Number of Samples Collected				7	7	7	
Lowest Value				6.8	33432	29.730	
Mean of Sample				6.8	34604	29.769	
Highest Sample Value				7.0	35910	29.860	
Median				6.8	34327	29.756	

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)	Cyanide WAD (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)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Comments
Quarterly	13/01/2021	22/01/2021	20/02/2021	817	0.0027	<0.0005	<0.0002	338	13100	0.003	<0.004	0.016	<0.0002	931	0.0129	0.0023	0.0454	42	0.004	6810	3020	27600	4680	0.016	
Quarterly	20/04/2021	03/05/2021	20/05/2021	896	0.0045	<0.0005	<0.0002	339	11700	0.003	<0.004	0.018	<0.0002	846	0.0174	0.0018	0.0446	42	0.005	6400	3070	25900	4330	0.018	
Quarterly	08/07/2021	19/07/2021	20/08/2021	782	0.004	<0.0005	<0.0002	380	9910	0.003	<0.004	0.024	<0.0002	969	0.0154	0.0023	0.0438	50	0.006	7160	3000	28300	4940	0.022	
Quarterly																									

Groundwater

Monitoring Point: 62 <IWL04B>
Groundwater quality monitoring, Groundwater monitoring bore located to the south of the southern tailings storage facility

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	13/01/2021	13/01/2021	20/02/2021	-	-	-	Dry
Monthly	03/02/2021	03/02/2021	20/03/2021	-	-	-	Dry
Monthly	11/03/2021	11/03/2021	20/04/2021	-	-	-	Dry
Monthly	19/04/2020	19/04/2020	20/05/2021	-	-	-	Dry
Monthly	10/05/2021	10/05/2021	20/06/2021	-	-	-	Dry
Monthly	22/06/2021	22/06/2021	20/07/2021	-	-	-	Dry
Monthly	08/07/2021	08/07/2021	20/08/2021	-	-	-	Dry
Monthly							
Monthly							
Monthly							
Monthly							
Monthly							
Number of Samples Collected				0	0	0	
Lowest Value				0.0	0	0.000	
Mean of Sample				0.0	0	0.000	
Highest Sample Value				0.0	0	0.000	
Median				0.0	0	0.000	

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)	Cyanide WAD (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)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Comments
Quarterly	13/01/2021	22/01/2021	20/02/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Dry
Quarterly	19/04/2020	03/05/2021	20/05/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Dry
Quarterly	08/07/2021	19/07/2021	20/08/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Dry
Quarterly																									

Monitoring Point: 63 <IWL03A>
Groundwater quality monitoring, Groundwater monitoring bore located to the south of the southern tailings storage facility

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	13/01/2021	13/01/2021	20/02/2021	6.88	38857	23.877	
Monthly	18/02/2021	18/02/2021	20/03/2021	6.88	38506	23.804	
Monthly	11/03/2021	11/03/2021	20/04/2021	6.84	37757	23.791	
Monthly	19/04/2020	19/04/2020	20/05/2021	6.94	39535	23.705	
Monthly	10/05/2021	10/05/2021	20/06/2021	6.85	37793	23.710	
Monthly	22/06/2021	22/06/2021	20/07/2021	6.84	37046	23.775	
Monthly	08/07/2021	08/07/2021	20/08/2021	6.83	37338	23.735	
Monthly							
Monthly							
Monthly							
Monthly							
Monthly							
Number of Samples Collected				7	7	7	
Lowest Value				6.8	37046	23.705	
Mean of Sample				6.9	38119	23.771	
Highest Sample Value				6.9	39535	23.877	
Median				6.9	37793	23.775	

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)	Cyanide WAD (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)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Comments
Quarterly	13/01/2021	22/01/2021	20/02/2021	726	<0.0005	<0.0005	0.0002	371	14500	<0.001	<0.004	0.008	<0.0002	832	0.0126	0.0008	0.005	24	0.006	7980	3340	23000	4350	<0.005	
Quarterly	19/04/2020	03/05/2021	20/05/2021	828	<0.0005	<0.0005	<0.0002	381	12900	<0.001	<0.004	<0.005	<0.0002	760	0.0085	0.0003	0.005	24	0.006	7480	3360	29000	4080	<0.005	
Quarterly	08/07/2021	19/07/2021	20/08/2021	792	<0.0005	<0.0005	0.0003	426	11000	<0.001	<0.004	0.008	<0.0002	857	0.0091	0.0004	0.0082	29	0.009	8330	3410	33200	4590	<0.005	
Quarterly																									

Monitoring Point: 64 <IWL03B>
Groundwater quality monitoring, Groundwater monitoring bore located to the south of the southern tailings storage facility

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	13/01/2021	13/01/2021	20/02/2021	-	-	-	Dry
Monthly	18/02/2021	18/02/2021	20/03/2021	-	-	-	Dry
Monthly	11/03/2021	11/03/2021	20/04/2021	-	-	-	Dry
Monthly	19/04/2020	19/04/2020	20/05/2021	-	-	-	Dry
Monthly	10/05/2021	10/05/2021	20/06/2021	-	-	-	Dry
Monthly	22/06/2021	22/06/2021	20/07/2021	-	-	-	Dry
Monthly	08/07/2021	08/07/2021	20/08/2021	-	-	-	Dry
Monthly							
Monthly							
Monthly							
Monthly							
Monthly							
Number of Samples Collected				0	0	0	
Lowest Value				0.0	0	0.000	
Mean of Sample				0.0	0	0.000	
Highest Sample Value				0.0	0	0.000	
Median				0.0	0	0.000	

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)	Cyanide WAD (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)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Comments
Quarterly	13/01/2021	22/01/2021	20/02/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Dry
Quarterly	19/04/2020	03/05/2021	20/05/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Dry
Quarterly	08/07/2021	19/07/2021	20/08/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Dry
Quarterly																									

Monitoring Point: 65 <IWL02A>
Groundwater quality monitoring, Groundwater monitoring bore located to the south of the southern tailings storage facility

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	18/01/2021	18/01/2021	20/02/2021	6.86	46050	15.690	
Monthly	18/02/2021	18/02/2021	20/03/2021	6.88	45821	15.575	
Monthly	09/03/2021	09/03/2021	20/04/2021	6.88	45150	15.545	
Monthly	19/04/2020	19/04/2020	20/05/2021	6.88	47020	15.530	
Monthly	07/05/2021	07/05/2021	20/06/2021	6.85	45076	15.445	
Monthly	23/06/2021	23/06/2021	20/07/2021	6.90	44043	15.200	
Monthly	08/07/2021	08/07/2021	20/08/2021	6.85	44297	15.240	
Monthly							
Monthly							
Monthly							
Monthly							
Monthly							
Number of Samples Collected				7	7	7	
Lowest Value				6.9	44043	15.200	
Mean of Sample				6.9	45351	15.461	
Highest Sample Value				6.9	47020	15.690	
Median				6.9	45150	15.530	

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)	Cyanide WAD (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)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Comments
Quarterly	18/01/2021	22/01/2021	20/02/2021	818	<0.0005	<0.0005	0.0004	384	14500	<0.001	<0.004	0.019	<0.0002	978	0.0163	0.0003	0.0348	35	0.035	9740	4450	32700	4990	<0.005	
Quarterly	19/04/2020	03/05/2021	20/05/2021	829	<0.0005	<0.0005	0.0003	377	14600	0.001	<0.004	<0.005	<0.0002	927	0.0162	0.0004	0.0372	31	0.037	9320	4510	35400	4760	0.008	
Quarterly	08/07/2021	19/07/2021	20/08/2021	769	<0.0005	0.0007	0.0004	420	13000	0.001	<0.004	0.009	<0.0002	1010	0.0138	0.0005	0.029	37	0.046	10000	4580	34300	5210	0.006	
Quarterly																									

Groundwater

Monitoring Point: 66 <IWL02B>
Groundwater quality monitoring, Groundwater monitoring bore located to the south of the southern tailings storage facility

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	18/01/2021	18/01/2021	20/02/2021	-	-	-	Dry
Monthly	18/02/2021	18/02/2021	20/03/2021	-	-	-	Dry
Monthly	09/03/2021	09/03/2021	20/04/2021	-	-	-	Dry
Monthly	19/04/2020	19/04/2020	20/05/2021	-	-	-	Dry
Monthly	07/05/2021	07/05/2021	20/06/2021	-	-	-	Dry
Monthly	23/06/2021	23/06/2021	20/07/2021	-	-	-	Dry
Monthly	08/07/2021	08/07/2021	20/08/2021	-	-	-	Dry
Monthly							
Monthly							
Monthly							
Monthly							
Monthly							
Number of Samples Collected				0	0	0	
Lowest Value				0.0	0	0.000	
Mean of Sample				0.0	0	0.000	
Highest Sample Value				0.0	0	0.000	
Median				0.0	0	0.000	

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)	Cyanide WAD (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)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Comments
Quarterly	18/01/2021	22/01/2021	20/02/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Dry
Quarterly	19/04/2020	03/05/2021	20/05/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Dry
Quarterly	08/07/2021	19/07/2021	20/08/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Dry
Quarterly																									

Monitoring Point: 67 <IWL01A>
Groundwater quality monitoring, Groundwater monitoring bore located to the south of the southern tailings storage facility

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	18/01/2021	18/01/2021	20/02/2021	6.76	46304	4.975	
Monthly	18/02/2021	18/02/2021	20/03/2021	6.78	45993	5.005	
Monthly	09/03/2021	09/03/2021	20/04/2021	6.72	45061	4.970	
Monthly	19/04/2020	19/04/2020	20/05/2021	6.78	47252	4.875	
Monthly	07/05/2021	07/05/2021	20/06/2021	6.74	45247	4.790	
Monthly	08/06/2021	08/06/2021	20/07/2021	6.36	44455	4.810	
Monthly	08/07/2021	08/07/2021	20/08/2021	6.75	44453	4.780	
Monthly							
Monthly							
Monthly							
Monthly							
Monthly							
Number of Samples Collected				7	7	7	
Lowest Value				6.4	44453	4.780	
Mean of Sample				6.7	45538	4.886	
Highest Sample Value				6.8	47252	5.005	
Median				6.8	45247	4.875	

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)	Cyanide WAD (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)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Comments
Quarterly	18/01/2021	22/01/2021	20/02/2021	571	<0.0005	<0.0005	0.0007	463	14600	<0.001	<0.004	0.056	<0.0002	1160	0.0217	0.0009	0.0417	27	0.031	9460	4350	32900	5930	<0.005	
Quarterly	19/04/2020	03/05/2021	20/05/2021	554	<0.0005	<0.0005	0.0004	455	15200	0.001	<0.004	0.010	<0.0002	1110	0.0283	0.0015	0.0678	24	0.033	9150	4740	35800	5710	<0.005	
Quarterly	08/07/2021	19/07/2021	20/08/2021	598	<0.0005	<0.0005	0.0006	514	13100	<0.001	<0.004	<0.005	<0.0002	1240	0.0641	0.0019	0.0291	30	0.04	10000	4820	31000	6390	<0.005	
Quarterly																									

Monitoring Point: 68 <IWL01B>
Groundwater quality monitoring, Groundwater monitoring bore located to the south of the southern tailings storage facility

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	18/01/2021	18/01/2021	20/02/2021	6.43	36719	5.450	
Monthly	18/02/2021	18/02/2021	20/03/2021	6.62	37228	5.498	
Monthly	09/03/2021	09/03/2021	20/04/2021	6.33	32641	5.461	
Monthly	19/04/2020	19/04/2020	20/05/2021	6.33	37281	5.375	
Monthly	07/05/2021	07/05/2021	20/06/2021	6.48	36376	5.285	
Monthly	08/06/2021	08/06/2021	20/07/2021	6.36	35339	5.235	
Monthly	08/07/2021	08/07/2021	20/08/2021	6.26	34757	5.295	
Monthly							
Monthly							
Monthly							
Monthly							
Monthly							
Number of Samples Collected				7	7	7	
Lowest Value				6.3	32641	5.235	
Mean of Sample				6.4	35763	5.371	
Highest Sample Value				6.6	37281	5.498	
Median				6.4	36376	5.375	

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)	Cyanide WAD (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)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Hardness (mg/L)	Zinc (mg/L)	Comments
Quarterly	18/01/2021	22/01/2021	20/02/2021	328	<0.0005	<0.0005	<0.0002	185	11700	<0.001	<0.004	0.014	<0.0002	752	0.0300	0.0008	0.0341	<10	<0.002	7320	2780	24400	3560	<0.005	
Quarterly	19/04/2020	03/05/2021	20/05/2021	310	<0.0005	<0.0005	0.0002	176	12200	0.003	<0.004	0.008	<0.0002	708	0.0323	0.0005	0.0388	3	<0.002	7030	2920	26300	3360	0.009	
Quarterly	08/07/2021	19/07/2021	20/08/2021	282	<0.0005	<0.0005	<0.0002	193	10200	0.002	<0.004	0.011	<0.0002	765	0.035	0.0008	0.0522	3	0.003	7610	2850	24700	3630	<0.005	
Quarterly																									

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	06/01/2021	-	-	-	-	No water present in toe drain
Monthly	03/02/2021	-	-	-	-	No water present in toe drain
Monthly	03/03/2021	-	-	-	-	No water present in toe drain
Monthly	07/04/2021	-	-	-	-	No water present in toe drain
Monthly	05/05/2021	-	-	-	-	No water present in toe drain
Monthly	02/06/2021	-	-	-	-	No water present in toe drain
Monthly	06/07/2021	-	-	-	-	No water present in toe drain
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Number of Samples Collected				0	0	
Lowest Value				0.0	0	
Mean of Sample				0.0	0	
Highest Sample Value				0.0	0	
Median				0.0	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 Hardness (mg/L)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Zinc (mg/L)	Comments
Quarterly	06/01/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No water present in toe drain
Quarterly	07/04/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No water present in toe drain
Quarterly	06/07/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No water present in toe drain
Quarterly																									

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

Frequency	Date Sampled	Date Obtained	Date Published	Field - pH (units)	Field - Electrical Conductivity (µS/cm)	Comments
Monthly	06/01/2021	06/01/2021	20/02/2021	7.96	16499	
Monthly	03/02/2021	03/02/2021	20/03/2021	5.25	12418	
Monthly	03/03/2021	08/03/2021	20/04/2021	5.85	16112	
Monthly	07/04/2021	30/04/2021	20/05/2021	7.92	13716	
Monthly	05/05/2021	14/05/2021	20/06/2021	7.78	14286	
Monthly	02/06/2021	10/06/2021	20/07/2021	6.33	12928	
Monthly	06/07/2021	06/07/2021	20/08/2021	7.17	11934	
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Number of Samples Collected				7	7	
Lowest Value				5.3	11934	
Mean of Sample				6.9	13985	
Highest Sample Value				8.0	16499	
Median				7.2	13716	

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 Hardness (mg/L)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Zinc (mg/L)	Comments
Quarterly	06/01/2021	13/01/2021	20/02/2021	228	0.0004	0.0007	0.00401	621	4600	0.0012	0.008	<0.0001	547	0.136	0.0038	<0.0005	34	0.0021	2540	2510	3800	12700	603	0.028	
Quarterly	07/04/2021	30/04/2021	20/05/2021	313	0.0003	0.0004	0.00378	564	5100	0.001	<0.002	<0.0001	572	0.710	0.0042	0.0008	63	0.0012	2460	2620	3760	12300	36	0.078	
Quarterly	06/07/2021	15/07/2021	20/08/2021	302	0.0003	0.0003	0.0048	591	4830	0.0011	<0.002	<0.0001	533	1.35	0.0046	0.0009	32	0.0018	2470	2620	3670	11900	146	0.133	
Quarterly																									

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	06/01/2021	-	-	-	-	No water present in toe drain
Monthly	03/02/2021	-	-	-	-	No water present in toe drain
Monthly	03/03/2021	-	-	-	-	No water present in toe drain
Monthly	07/04/2021	-	-	-	-	No water present in toe drain
Monthly	05/05/2021	-	-	-	-	No water present in toe drain
Monthly	02/06/2021	-	-	-	-	No water present in toe drain
Monthly	06/07/2021	-	-	-	-	No water present in toe drain
Monthly						
Monthly						
Monthly						
Monthly						
Monthly						
Number of Samples Collected				0	0	
Lowest Value				0.0	0	
Mean of Sample				0.0	0	
Highest Sample Value				0.0	0	
Median				0.0	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 Hardness (mg/L)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Zinc (mg/L)	Comments
Quarterly	06/01/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No water present in toe drain
Quarterly	07/04/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No water present in toe drain
Quarterly	06/07/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No water present in toe drain
Quarterly																									

Ambient Noise

Q1 Noise Monitoring

Daytime Mine Operating Intrusive Noise Levels (dBA re 20 µPa)

	Location	Date Sampled	Date Obtained	Date Published	Mine Contributed $LA_{eq(15minute)}$ ~ dBA Survey 1	Survey 2	Noise Criteria $LA_{eq(15minute)}$ ~ dBA	Comments
New Lake Foreshore	N01	24/02/2021	12/03/2021	20/04/2021	42	50	-	Noise from drilling activities
Laurel Park	N11	24/02/2021	12/03/2021	20/04/2021	<20	<20	35	
Lakeview III (New Westella)	N09	23/02/2021	12/03/2021	20/04/2021	<20	<20	38	
Bramboyne	N10	23/02/2021	12/03/2021	20/04/2021	<20	<20	35	
The Glen	N12	24/02/2021	12/03/2021	20/04/2021	<20	<20	37	
Caloola 2	N15	23/02/2021	12/03/2021	20/04/2021	<20	<20	35	
Lakeview I & II (Lakeview)	N17	24/02/2021	12/03/2021	20/04/2021	<20	<20	36	
Foxman Downs 2	N16	23/02/2021	12/03/2021	20/04/2021	<20	<20	36	

Evening Mine Operating Intrusive Noise Levels (dBA re 20 µPa)

	Location	Date Sampled	Date Obtained	Date Published	Mine Contributed $LA_{eq(15minute)}$ ~ dBA Survey 1	Survey 2	Noise Criteria $LA_{eq(15minute)}$ ~ dBA	Comments
New Lake Foreshore	N01	23/02/2021	12/03/2021	20/04/2021	58	57	-	Noise from drilling activities
Laurel Park	N11	24/02/2021	12/03/2021	20/04/2021	<20	<20	35	
Lakeview III (New Westella)	N09	23/02/2021	12/03/2021	20/04/2021	<20	<20	38	
Bramboyne	N10	23/02/2021	12/03/2021	20/04/2021	<20	<20	35	
The Glen	N12	24/02/2021	12/03/2021	20/04/2021	<20	<20	37	
Caloola 2	N15	23/02/2021	12/03/2021	20/04/2021	<20	<20	35	
Lakeview I & II (Lakeview)	N17	23/02/2021	12/03/2021	20/04/2021	<20	<20	36	
Foxman Downs 2	N16	23/02/2021	12/03/2021	20/04/2021	<20	<20	36	

Night time Mine Operating Intrusive Noise Levels (dBA re 20 µPa)

	Location	Date Sampled	Date Obtained	Date Published	Mine Contributed $LA_{eq(15minute)}$ ~ dBA Survey 1	Survey 2	Noise Criteria $LA_{eq(15minute)}$ ~ dBA	Comments
New Lake Foreshore	N01	24/02/2021	12/03/2021	20/04/2021	44	60	-	Noise from drilling activities
Laurel Park	N11	24/02/2021	12/03/2021	20/04/2021	20	21	35	
Lakeview III (New Westella)	N09	23/02/2021	12/03/2021	20/04/2021	24	22	38	
Bramboyne	N10	23/02/2021	12/03/2021	20/04/2021	22	25	35	
The Glen	N12	23/02/2021	12/03/2021	20/04/2021	<20	<20	37	
Caloola 2	N15	24/02/2021	12/03/2021	20/04/2021	<20	<20	35	
Lakeview I & II (Lakeview)	N17	25/02/2021	12/03/2021	20/04/2021	<20	<20	36	
Foxman Downs 2	N16	24/02/2021	12/03/2021	20/04/2021	<20	<20	36	

Q2 Noise Monitoring

Daytime Mine Operating Intrusive Noise Levels (dBA re 20 µPa)

	Location	Date Sampled	Date Obtained	Date Published	Mine Contributed $LA_{eq(15minute)}$ ~ dBA Survey 1	Survey 2	Noise Criteria $LA_{eq(15minute)}$ ~ dBA	Comments
New Lake Foreshore	N01	13/05/2021	24/05/2021	20/06/2021	32	31	-	
Laurel Park	N11	12/05/2021	24/05/2021	20/06/2021	24	20	35	
Lakeview (New Westella)	N09	12/05/2021	24/05/2021	20/06/2021	23	27	38	
Bramboyne	N10	12/05/2021	24/05/2021	20/06/2021	23	22	35	
The Glen	N12	13/05/2021	24/05/2021	20/06/2021	23	23	37	
Caloola 2	N15	12/05/2021	24/05/2021	20/06/2021	<20	<20	35	
Lakeview I & II (Lakeview)	N17	12/05/2021	24/05/2021	20/06/2021	26	23	36	
Foxman Downs 2	N16	12/05/2021	24/05/2021	20/06/2021	25	21	36	

Evening Mine Operating Intrusive Noise Levels (dBA re 20 µPa)

	Location	Date Sampled	Date Obtained	Date Published	Mine Contributed $LA_{eq(15minute)}$ ~ dBA Survey 1	Survey 2	Noise Criteria $LA_{eq(15minute)}$ ~ dBA	Comments
New Lake Foreshore	N01	13/05/2021	24/05/2021	20/06/2021	34	35	-	
Laurel Park	N11	13/05/2021	24/05/2021	20/06/2021	22	23	35	
Lakeview (New Westella)	N09	12/05/2021	24/05/2021	20/06/2021	23	23	38	
Bramboyne	N10	12/05/2021	24/05/2021	20/06/2021	22	26	35	
The Glen	N12	13/05/2021	24/05/2021	20/06/2021	24	24	37	
Caloola 2	N15	12/05/2021	24/05/2021	20/06/2021	<20	<20	35	
Lakeview I & II (Lakeview)	N17	12/05/2021	24/05/2021	20/06/2021	<20	22	36	
Foxman Downs 2	N16	12/05/2021	24/05/2021	20/06/2021	22	25	36	

Night time Mine Operating Intrusive Noise Levels (dBA re 20 µPa)

	Location	Date Sampled	Date Obtained	Date Published	Mine Contributed $LA_{eq(15minute)}$ ~ dBA Survey 1	Survey 2	Noise Criteria $LA_{eq(15minute)}$ ~ dBA	Comments
New Lake Foreshore	N01	13/05/2021	24/05/2021	20/06/2021	39	39	-	
Laurel Park	N11	12/05/2021	24/05/2021	20/06/2021	32	30	35	
Lakeview (New Westella)	N09	13/05/2021	24/05/2021	20/06/2021	29	27	38	
Bramboyne	N10	12/05/2021	24/05/2021	20/06/2021	24	25	35	
The Glen	N12	12/05/2021	24/05/2021	20/06/2021	24	29	37	
Caloola 2	N15	13/05/2021	24/05/2021	20/06/2021	<20	<20	35	
Lakeview I & II (Lakeview)	N17	14/05/2021	24/05/2021	20/06/2021	21	<20	36	
Foxman Downs 2	N16	13/05/2021	24/05/2021	20/06/2021	<20	<20	36	

Ambient Noise

Q3 Noise Monitoring

Daytime Mine Operating Intrusive Noise Levels (dBA re 20 µPa)

	Location	Date Sampled	Date Obtained	Date Published	Mine Contributed $LA_{eq(15minute)}$ ~ dBA Survey 1	Survey 2	Noise Criteria $LA_{eq(15minute)}$ ~ dBA	Comments
New Lake Foreshore	N01							
Laurel Park	N11							
Lakeview (New Westella)	N09							
Bramboyne	N10							
The Glen	N12							
Caloola 2	N15							
Lakeview I & II (Lakeview)	N17							
Foxman Downs 2	N16							

Evening Mine Operating Intrusive Noise Levels (dBA re 20 µPa)

	Location	Date Sampled	Date Obtained	Date Published	Mine Contributed $LA_{eq(15minute)}$ ~ dBA Survey 1	Survey 2	Noise Criteria $LA_{eq(15minute)}$ ~ dBA	Comments
New Lake Foreshore	N01							
Laurel Park	N11							
Lakeview (New Westella)	N09							
Bramboyne	N10							
The Glen	N12							
Caloola 2	N15							
Lakeview I & II (Lakeview)	N17							
Foxman Downs 2	N16							

Night time Mine Operating Intrusive Noise Levels (dBA re 20 µPa)

	Location	Date Sampled	Date Obtained	Date Published	Mine Contributed $LA_{eq(15minute)}$ ~ dBA Survey 1	Survey 2	Noise Criteria $LA_{eq(15minute)}$ ~ dBA	Comments
New Lake Foreshore	N01							
Laurel Park	N11							
Lakeview (New Westella)	N09							
Bramboyne	N10							
The Glen	N12							
Caloola 2	N15							
Lakeview I & II (Lakeview)	N17							
Foxman Downs 2	N16							

N/A - Mine noise emission not discernible

Q4 Noise Monitoring

Daytime Mine Operating Intrusive Noise Levels (dBA re 20 µPa)

	Location	Date Sampled	Date Obtained	Date Published	Mine Contributed $LA_{eq(15minute)}$ ~ dBA Survey 1	Survey 2	Noise Criteria $LA_{eq(15minute)}$ ~ dBA	Comments
New Lake Foreshore	N01							
Laurel Park	N11							
Lakeview (New Westella)	N09							
Bramboyne	N10							
The Glen	N12							
Caloola 2	N15							
Lakeview I & II (Lakeview)	N17							
Foxman Downs 2	N16							

Evening Mine Operating Intrusive Noise Levels (dBA re 20 µPa)

	Location	Date Sampled	Date Obtained	Date Published	Mine Contributed $LA_{eq(15minute)}$ ~ dBA Survey 1	Survey 2	Noise Criteria $LA_{eq(15minute)}$ ~ dBA	Comments
New Lake Foreshore	N01							
Laurel Park	N11							
Lakeview (New Westella)	N09							
Bramboyne	N10							
The Glen	N12							
Caloola 2	N15							
Lakeview I & II (Lakeview)	N17							
Foxman Downs 2	N16							

Night time Mine Operating Intrusive Noise Levels (dBA re 20 µPa)

	Location	Date Sampled	Date Obtained	Date Published	Mine Contributed $LA_{eq(15minute)}$ ~ dBA Survey 1	Survey 2	Noise Criteria $LA_{eq(15minute)}$ ~ dBA	Comments
New Lake Foreshore	N01							
Laurel Park	N11			Suspended Particles (µg/m³)				
Lakeview (New Westella)	N09							
Bramboyne	N10							
The Glen	N12							
Caloola 2	N15							
Lakeview I & II (Lakeview)	N17							
Foxman Downs 2	N16							

Blasting & Ground Vibration

Monitoring Point: BM01

Blast monitoring, Airblast overpressure and ground vibration peak particle velocity recorded at private residence to the south-east of ML1535 boundary

					Trigger Threshold		BM01 at Blast Time		
Blast Number	**Day/Date**	**Time**	**Date Obtained**	**Date Published**	**Ground Vibration (mm/s)**	**Airblast Overpressure (dB(L))**	**Ground Vibration (mm/s)**	**Airblast Overpressure (dB(L))**	**Comments**
JANUARY									
1020-216 & 1011-552 Preliminary	Saturday, 02/01/2021	12:35:19	10/02/2021	20/02/2021	5	115	0.10	88.0	
1020-205 Preliminary	Sunday, 03/01/2021	12:42:27	10/02/2021	20/02/2021	1	95	0.10	81.9	
1029-574 Preliminary	Sunday,03/01/2021	12:46:01	10/02/2021	20/02/2021	1	95	0.10	88.0	
1029-575 Preliminary	Monday,04/01/2021	09:13:50	10/02/2021	20/02/2021	5	115	0.12	81.9	
1011-902, 1011-554 & 555 Presplit Prelimina	Tuesday, 05/01/2021	12:38:59	10/02/2021	20/02/2021	5	115	0.10	94.0	
1029-114 Preliminary	Thursday, 07/01/2021	13:22:34	10/02/2021	20/02/2021	5	115	0.09	91.5	
1029-115 Preliminary	Saturday, 09/01/2021	15:03:40	10/02/2021	20/02/2021	5	115	0.09	88.0	
1029-116 1011-557 Preliminary	Monday, 11/01/2021	12:41:16	10/02/2021	20/02/2021	5	115	0.11	81.9	
1020-208, 1020-217 Preliminary	Thursday, 14/01/2021	12:45:18	10/02/2021	20/02/2021	5	115	0.09	88.0	
1011-557B & 1101-556B Preliminary	Thursday, 14/01/2021	12:48:11	10/02/2021	20/02/2021	5	115	0.09	81.9	
1020-207 & Large Rock Preliminary	Sunday, 17/01/2021	12:34:46	10/02/2021	20/02/2021	1	95	0.10	88.0	
1020-209 Preliminary	Tuesday, 19/01/2021	12:20:28	10/02/2021	20/02/2021	5	115	0.10	91.5	
1029-101 Preliminary	Wednesday, 20/01/2021	12:31:44	10/02/2021	20/02/2021	5	115	0.09	88.0	
1020-204 Preliminary	Saturday, 23/01/2021	12:38:23	10/02/2021	20/02/2021	5	115	0.09	91.5	
1020-210A & 1020-203A	Wednesday, 27/01/2021	14:18:03	10/02/2021	20/02/2021	5	115	0.09	95.9	
1020-201 & 1029 Toe Preliminary	Saturday, 30/01/2021	12:38:43	10/02/2021	20/02/2021	5	115	0.10	88.0	
FEBRUARY									
1011-307	Wednesday, 3 February 2021	12:30:57	08/03/2021	20/03/2021	5	115	0.10	88.0	
1020-203B	Wednesday, 10 February 2021	13:33:10	08/03/2021	20/03/2021	5	115	0.10	88.0	
1011-306	Friday, 12 February 2021	12:24:09	08/03/2021	20/03/2021	5	115	0.10	95.9	
1020-211	Sunday, 14 February 2021	12:36:45	08/03/2021	20/03/2021	1	95	0.09	81.9	
1011-561	Sunday, 14 February 2021	12:38:40	08/03/2021	20/03/2021	1	95	0.09	81.9	
1020-202	Tuesday, 16 February 2021	12:29:29	08/03/2021	20/03/2021	5	115	0.10	95.9	
1011-558 & 1020 Large Wedge Toe	Tuesday, 16 February 2021	12:31:19	08/03/2021	20/03/2021	5	115	0.10	91.5	
1011-559 & 1020 -Toe	Wednesday, 17 February 2021	12:38:18	08/03/2021	20/03/2021	5	115	0.11	88.0	
1020-212A	Monday, 22 February 2021	12:40:02	08/03/2021	20/03/2021	5	115	0.09	101.0	
1020-214	Wednesday, 24 February 2021	13:24:18	08/03/2021	20/03/2021	5	115	0.09	81.9	
1011-305	Saturday, 27 February 2021	16:25:43	08/03/2021	20/03/2021	5	115	0.08	95.9	
MARCH									
1020-213	Monday, 1 March 2021	12:27:06	07/04/2021	20/04/2021	5	115	0.09	100.0	
1046-999	Wednesday, 3 March 2021	12:24:18	07/04/2021	20/04/2021	5	115	0.11	94.0	
1020-219	Wednesday, 3 March 2021	12:24:28	07/04/2021	20/04/2021	5	115	0.11	94.0	
1011-562A	Thursday, 4 March 2021	12:33:29	07/04/2021	20/04/2021	5	115	0.11	102.8	
1020-212B	Sunday, 7 March 2021	15:16:54	07/04/2021	20/04/2021	1	95	0.10	88.0	
South Wedge	Monday, 8 March 2021	14:49:30	07/04/2021	20/04/2021	5	115	0.09	91.5	
North Wedge	Tuesday, 9 March 2021	09:58:54	07/04/2021	20/04/2021	5	115	0.12	101.9	
1011-304	Wednesday, 10 March 2021	12:32:40	07/04/2021	20/04/2021	5	115	0.10	91.5	
1011-312	Thursday, 11 March 2021	13:58:28	07/04/2021	20/04/2021	5	115	0.12	88.0	
1011-301	Saturday, 13 March 2021	12:22:31	07/04/2021	20/04/2021	5	115	0.10	95.9	
1011-303A & 1020 Toe	Tuesday, 16 March 2021	12:40:22	07/04/2021	20/04/2021	5	115	0.11	88.0	
1011-560	Wednesday, 17 March 2021	12:30:36	07/04/2021	20/04/2021	5	115	0.12	91.5	
1011-303B	Saturday, 20 March 2021	12:31:56	07/04/2021	20/04/2021	5	115	0.12	94.0	
1011-302	Monday, 22 March 2021	10:50:30	07/04/2021	20/04/2021	5	115	0.13	94.0	
1020-218	Friday, 26 March 2021	15:30:19	07/04/2021	20/04/2021	5	115	0.11	91.5	
1011-311	Sunday, 28 March 2021	12:39:15	07/04/2021	20/04/2021	1	95	0.11	88.0	
APRIL									
1011-308A	Thursday, 1 April 2021	12:35:19	13/05/2021	20/05/2021	5	115	0.12	88.0	
1011-313	Saturday, 3 April 2021	12:41:51	13/05/2021	20/05/2021	5	115	0.11	88.0	
1011-Toe	Tuesday, 6 April 2021	12:35:00	13/05/2021	20/05/2021	5	115	0.10	81.9	
1011-316	Tuesday, 6 April 2021	12:39:41	13/05/2021	20/05/2021	5	115	0.12	81.9	
1011-309	Saturday, 10 April 2021	12:26:44	13/05/2021	20/05/2021	5	115	0.12	94.0	
1011-314	Wednesday, 14 April 2021	13:06:51	13/05/2021	20/05/2021	5	115	0.12	98.8	
1011-310	Friday, 16 April 2021	12:34:17	13/05/2021	20/05/2021	5	115	0.11	81.9	
1011-315	Sunday, 18 April 2021	13:07:43	13/05/2021	20/05/2021	1	95	0.11	97.5	Related to blasting
1002-500	Sunday, 18 April 2021	13:15:33	13/05/2021	20/05/2021	1	95	0.11	100.0	Related to blasting
1002-501	Monday, 19 April 2021	12:43:01	13/05/2021	20/05/2021	5	115	0.11	81.9	
1002-105	Wednesday, 21 April 2021	12:39:37	13/05/2021	20/05/2021	5	115	0.12	88.0	
1011-320	Thursday, 22 April 2021	13:01:11	13/05/2021	20/05/2021	5	115	0.12	94.0	
1011-319A	Friday, 23 April 2021	12:32:07	13/05/2021	20/05/2021	5	115	0.12	88.0	
1002-106	Monday, 26 April 2021	10:59:50	13/05/2021	20/05/2021	5	115	0.12	88.0	
1002-502 1002-503	Wednesday, 28 April 2021	12:27:21	13/05/2021	20/05/2021	5	115	0.11	113.5	
1002-107	Thursday, 29 April 2021	14:31:05	13/05/2021	20/05/2021	5	115	0.11	81.9	
MAY									
1011-308B	Saturday, 1 May 2021	12:27:18	07/06/2021	20/06/2021	5	115	0.12	91.5	
1002-102 &1002-104	Tuesday, 4 May 2021	12:25:57	07/06/2021	20/06/2021	5	115	0.12	88.0	
1011-319B	Thursday, 6 May 2021	12:35:58	07/06/2021	20/06/2021	5	115	0.12	106.5	
1002-103 & 1002-501	Saturday, 8 May 2021	14:51:29	07/06/2021	20/06/2021	5	115	0.13	112.0	
1011-318	Monday, 10 May 2021	15:52:45	07/06/2021	20/06/2021	5	115	0.11	88.0	
1002-108	Wednesday, 12 May 2021	12:18:57	07/06/2021	20/06/2021	5	115	0.12	88.0	
1002-506, 1002- Toe & 1002-118	Friday, 14 May 2021	13:29:19	07/06/2021	20/06/2021	5	115	0.15	91.5	
1002-109	Monday, 17 May 2021	15:16:27	07/06/2021	20/06/2021	5	115	0.12	88.0	
1002-116	Thursday, 20 May 2021	12:24:13	07/06/2021	20/06/2021	5	115	0.14	81.9	
Large sized rocks & 1002-110	Sunday, 23 May 2021	12:57:18	07/06/2021	20/06/2021	1	95	0.11	88.0	
1002-117	Tuesday, 25 May 2021	12:21:12	07/06/2021	20/06/2021	5	115	0.12	95.9	
993-205	Thursday, 27 May 2021	12:36:48	07/06/2021	20/06/2021	5	115	0.12	88.0	
1002-119	Saturday, 29 May 2021	12:47:10	07/06/2021	20/06/2021	5	115	0.13	88.0	
1002-101	Sunday, 30 May 2021	12:25:41	07/06/2021	20/06/2021	1	95	0.12	81.9	
JUNE									
1002-114, 1002-509 & 984-502	Tuesday, 1 June 2021	12:35:36	07/07/2021	20/07/2021	5	115	0.13	104.2	
1002-120 & 1002-510	Thursday, 3 June 2021	12:27:07	07/07/2021	20/07/2021	5	115	0.13	88.0	
993-206	Sunday, 6 June 2021	12:24:23	07/07/2021	20/07/2021	1	95	0.13	88.0	
1002-121A & 1002-511	Tuesday, 8 June 2021	12:24:29	07/07/2021	20/07/2021	5	115	0.13	91.5	
984-503	Tuesday, 8 June 2021	12:26:26	07/07/2021	20/07/2021	5	115	0.13	95.9	
984-500 & 1002-512 (511B)	Saturday, 12 June 2021	12:38:21	07/07/2021	20/07/2021	5	115	0.13	103.5	
1002-115	Sunday, 13 June 2021	12:37:40	07/07/2021	20/07/2021	1	95	0.14	88.0	
993-202	Wednesday, 16 June 2021	15:03:23	07/07/2021	20/07/2021	5	115	0.14	97.5	
993-213	Saturday, 19 June 2021	12:30:29	07/07/2021	20/07/2021	5	115	0.14	101.0	
1002-121B	Saturday, 19 June 2021	12:33:24	07/07/2021	20/07/2021	5	115	0.12	88.0	
993-210	Monday, 21 June 2021	12:33:13	07/07/2021	20/07/2021	5	115	0.12	88.0	
984-504	Wednesday, 23 June 2021	12:37:13	07/07/2021	20/07/2021	5	115	0.13	107.0	
993-203	Wednesday, 23 June 2021	12:38:53	07/07/2021	20/07/2021	5	115	0.13	91.5	
993-211	Sunday, 27 June 2021	13:34:00	07/07/2021	20/07/2021	1	95	0.14	88.0	
1002-110 Overhang	Monday, 28 June 2021	12:35:20	07/07/2021	20/07/2021	5	115	0.12	88.0	
993-215	Tuesday, 29 June 2021	15:15:30	07/07/2021	20/07/2021	5	115	0.12	88.0	
JULY									
984-505 & 984-506	Thursday, 1 July 2021	12:29:34	09/08/2021	20/08/2021	5	115	0.13	81.9	
993-207	Thursday, 1 July 2021	12:31:22	09/08/2021	20/08/2021	5	115	0.13	88.0	
993-214	Saturday, 3 July 2021	15:25:36	09/08/2021	20/08/2021	5	115	0.13	88.0	
993-511	Saturday, 3 July 2021	15:35:13	09/08/2021	20/08/2021	5	115	0.12	94.0	
993-224 & 984-505B	Monday, 5 July 2021	15:02:47	09/08/2021	20/08/2021	5	115	0.13	88.0	
984-501	Monday, 5 July 2021	15:06:29	09/08/2021	20/08/2021	5	115	0.13	104.2	
1002-113	Wednesday, 7 July 2021	13:07:18	09/08/2021	20/08/2021	5	115	0.13	88.0	
984-507	Wednesday, 7 July 2021	13:12:38	09/08/2021	20/08/2021	5	115	0.13	91.5	
993-216 & 984-508A	Thursday, 8 July 2021	15:12:47	09/08/2021	20/08/2021	5	115	0.12	91.5	
993-217	Saturday, 10 July 2021	13:16:16	09/08/2021	20/08/2021	5	115	0.12	88.0	
993-223	Monday, 12 July 2021	12:32:30	09/08/2021	20/08/2021	5	115	0.13	91.5	
993-209 & 984-508B	Tuesday, 13 July 2021	12:30:38	09/08/2021	20/08/2021	5	115	0.13	105.5	
984-303	Thursday, 15 July 2021	12:31:17	09/08/2021	20/08/2021	5	115	0.12	94.0	
993-204A	Sunday, 18 July 2021	12:28:01	09/08/2021	20/08/2021	1	95	0.14	91.5	
984-304 & 975-543	Tuesday, 20 July 2021	12:32:03	09/08/2021	20/08/2021	5	115	0.14	103.5	
993-204B	Wednesday, 21 July 2021	12:24:53	09/08/2021	20/08/2021	5	115	0.13	88.0	
984-305	Monday, 26 July 2021	12:40:09	09/08/2021	20/08/2021	5	115	0.13	88.0	
984-511	Tuesday, 27 July 2021	12:26:22	09/08/2021	20/08/2021	5	115	0.12	95.9	
993-218 & 984-510	Wednesday, 28 July 2021	13:02:13	09/08/2021	20/08/2021	5	115	0.13	106.0	
993-222	Friday, 30 July 2021	12:26:43	09/08/2021	20/08/2021	5	115	0.12	81.9	
993-208A & 984-512	Saturday, 31 July 2021	12:31:11	09/08/2021	20/08/2021	5	115	0.12	101.0	

Blasting & Ground Vibration

Monitoring Point: BM02
Blast monitoring, Airblast overpressure and ground vibration peak particle velocity recorded to the south of ML1535 boundary

					Trigger Threshold		BM02 at Blast Time		
Blast Number	Day/Date	Time	Date Obtained	Date Published	Ground Vibration (mm/s)	Airblast Overpressure (dB(L))	Ground Vibration (mm/s)	Airblast Overpressure (dB(L))	Comments
JANUARY									
1020-216 & 1011-552 Preliminary	Saturday, 02/01/2021	12:35:19	10/02/2021	20/02/2021	5	115	0.14	88.0	
1020-205 Preliminary	Sunday, 03/01/2021	12:42:27	10/02/2021	20/02/2021	1	95	0.14	91.5	
1029-574 Preliminary	Sunday,03/01/2021	12:46:01	10/02/2021	20/02/2021	1	95	0.14	88.0	
1029-575 Preliminary	Monday,04/01/2021	09:13:50	10/02/2021	20/02/2021	5	115	0.13	88.0	
1011-902, 1011-554 & 555 Presolit Prelimina	Tuesday, 05/01/2021	12:38:59	10/02/2021	20/02/2021	5	115	0.13	102.8	
1029-114 Preliminary	Thursday, 07/01/2021	13:22:34	10/02/2021	20/02/2021	5	115	0.14	94.0	
1029-115 Preliminary	Saturday, 09/01/2021	15:03:40	10/02/2021	20/02/2021	5	115	0.13	88.0	
1029-116 1011-557 Preliminary	Monday, 11/01/2021	12:41:16	10/02/2021	20/02/2021	5	115	0.16	95.9	
1020-208, 1020-217 Preliminary	Thursday, 14/01/2021	12:45:18	10/02/2021	20/02/2021	5	115	0.14	97.5	
1011-557B & 1101-556B Preliminary	Thursday, 14/01/2021	12:48:11	10/02/2021	20/02/2021	5	115	0.13	97.5	
1020-207 & Large Rock Preliminary	Sunday, 17/01/2021	12:34:46	10/02/2021	20/02/2021	1	95	0.14	98.8	Assessed to be non-related to blasting practices
1020-209 Preliminary	Tuesday, 19/01/2021	12:20:28	10/02/2021	20/02/2021	5	115	0.14	95.9	
1029-101 Preliminary	Wednesday, 20/01/2021	12:31:44	10/02/2021	20/02/2021	5	115	0.14	91.5	
1020-204 Preliminary	Saturday, 23/01/2021	12:38:23	10/02/2021	20/02/2021	5	115	0.15	98.8	
1020-210A & 1020-203A	Wednesday, 27/01/2021	14:18:03	10/02/2021	20/02/2021	5	115	0.14	91.5	
1020-201 & 1029 Toe Preliminary	Saturday, 30/01/2021	12:38:43	10/02/2021	20/02/2021	5	115	0.14	91.5	
FEBRUARY									
1011-307	Wednesday, 3 February 2021	12:30:57	08/03/2021	20/03/2021	5	115	0.15	97.5	
1020-203B	Wednesday, 10 February 2021	13:33:10	08/03/2021	20/03/2021	5	115	0.21	91.5	
1011-306	Friday, 12 February 2021	12:24:09	08/03/2021	20/03/2021	5	115	0.14	97.5	
1020-211	Sunday, 14 February 2021	12:36:45	08/03/2021	20/03/2021	1	95	0.14	91.5	
1011-561	Sunday, 14 February 2021	12:38:40	08/03/2021	20/03/2021	1	95	0.14	91.5	
1020-202	Tuesday, 16 February 2021	12:29:29	08/03/2021	20/03/2021	5	115	0.15	91.5	
1011-558 & 1020 Large Wedge Toe	Tuesday, 16 February 2021	12:31:19	08/03/2021	20/03/2021	5	115	0.13	94.0	
1011-559 & 1020 -Toe	Wednesday, 17 February 2021	12:38:18	08/03/2021	20/03/2021	5	115	0.14	95.9	
1020-212A	Monday, 22 February 2021	12:40:02	08/03/2021	**pended Particle**	5	115	0.15	101.9	
1020-214	Wednesday, 24 February 2021	13:24:18	08/03/2021	20/03/2021	5	115	0.18	88.0	
1011-305	Saturday, 27 February 2021	16:25:43	08/03/2021	20/03/2021	5	115	0.17	88.0	
MARCH									
1020-213	Monday, 1 March 2021	12:27:06	07/04/2021	20/04/2021	5	115	0.19	101.0	
1046-999	Wednesday, 3 March 2021	12:24:18	07/04/2021	20/04/2021	5	115	0.16	91.5	
1020-219	Wednesday, 3 March 2021	12:24:28	07/04/2021	20/04/2021	5	115	0.16	91.5	
1011-562A	Thursday, 4 March 2021	12:33:29	07/04/2021	20/04/2021	5	115	0.14	100.0	
1020-212B	Sunday, 7 March 2021	15:16:54	07/04/2021	20/04/2021	1	95	0.14	91.5	
South Wedge	Monday, 8 March 2021	14:49:30	07/04/2021	20/04/2021	5	115	0.14	91.5	
North Wedge	Tuesday, 9 March 2021	09:58:54	07/04/2021	20/04/2021	5	115	0.14	91.5	
1011-304	Wednesday, 10 March 2021	12:32:40	07/04/2021	20/04/2021	5	115	0.14	91.5	
1011-312	Thursday, 11 March 2021	13:58:28	07/04/2021	20/04/2021	5	115	0.21	91.5	
1011-301	Saturday, 13 March 2021	12:22:31	07/04/2021	20/04/2021	5	115	0.17	94.0	
1011-303A & 1020 Toe	Tuesday, 16 March 2021	12:40:22	07/04/2021	20/04/2021	5	115	0.15	91.5	
1011-560	Wednesday, 17 March 2021	12:30:36	07/04/2021	20/04/2021	5	115	0.14	97.5	
1011-303B	Saturday, 20 March 2021	12:31:56	07/04/2021	20/04/2021	5	115	0.16	94.0	
1011-302	Monday, 22 March 2021	10:50:30	07/04/2021	20/04/2021	5	115	0.15	95.9	
1020-218	Friday, 26 March 2021	15:30:19	07/04/2021	20/04/2021	5	115	0.16	91.5	
1011-311	Sunday, 28 March 2021	12:39:15	07/04/2021	20/04/2021	1	95	0.15	91.5	
APRIL									
1011-308A	Thursday, 1 April 2021	12:35:19	13/05/2021	20/05/2021	5	115	0.15	88.0	
1011-313	Saturday, 3 April 2021	12:41:51	13/05/2021	20/05/2021	5	115	0.14	91.5	
1011-Toe	Tuesday, 6 April 2021	12:35:00	13/05/2021	20/05/2021	5	115	0.14	91.5	
1011-316	Tuesday, 6 April 2021	12:39:41	13/05/2021	20/05/2021	5	115	0.17	88.0	
1011-309	Saturday, 10 April 2021	12:26:44	13/05/2021	20/05/2021	5	115	0.23	103.5	
1011-314	Wednesday, 14 April 2021	13:06:51	13/05/2021	20/05/2021	5	115	0.15	91.5	
1011-310	Friday, 16 April 2021	12:34:17	13/05/2021	20/05/2021	5	115	0.18	88.0	
1011-315	Sunday, 18 April 2021	13:07:43	13/05/2021	20/05/2021	1	95	0.14	88.0	
1002-500	Sunday, 18 April 2021	13:15:33	13/05/2021	20/05/2021	1	95	0.14	91.5	
1002-501	Monday, 19 April 2021	12:43:01	13/05/2021	20/05/2021	5	115	0.13	91.5	
1002-105	Wednesday, 21 April 2021	12:39:37	13/05/2021	20/05/2021	5	115	0.16	88.0	
1011-320	Thursday, 22 April 2021	13:01:11	13/05/2021	20/05/2021	5	115	0.18	100.0	
1011-319A	Friday, 23 April 2021	12:32:07	13/05/2021	20/05/2021	5	115	0.16	95.9	
1002-106	Monday, 26 April 2021	10:59:50	13/05/2021	20/05/2021	5	115	0.15	94.0	
1002-502 1002-503	Wednesday, 28 April 2021	12:27:21	13/05/2021	20/05/2021	5	115	0.14	94.0	
1002-107	Thursday, 29 April 2021	14:31:05	13/05/2021	20/05/2021	5	115	0.13	91.5	
MAY									
1011-308B	Saturday, 1 May 2021	12:27:18	07/06/2021	20/06/2021	5	115	0.22	91.5	
1002-102 &1002-104	Tuesday, 4 May 2021	12:25:57	07/06/2021	20/06/2021	5	115	0.17	91.5	
1011-319B	Thursday, 6 May 2021	12:35:58	07/06/2021	20/06/2021	5	115	0.19	97.5	
1002-103 & 1002-501	Saturday, 8 May 2021	14:51:29	07/06/2021	20/06/2021	5	115	0.17	91.5	
1011-318	Monday, 10 May 2021	15:52:45	07/06/2021	20/06/2021	5	115	0.16	94.0	
1002-108	Wednesday, 12 May 2021	12:18:57	07/06/2021	20/06/2021	5	115	0.13	88.0	
1002-506, 1002- Toe & 1002-118	Friday, 14 May 2021	13:29:19	07/06/2021	20/06/2021	5	115	0.20	91.5	
1002-109	Monday, 17 May 2021	15:16:27	07/06/2021	20/06/2021	5	115	0.13	91.5	
1002-116	Thursday, 20 May 2021	12:24:13	07/06/2021	20/06/2021	5	115	0.21	91.5	
Large sized rocks & 1002-110	Sunday, 23 May 2021	12:57:18	07/06/2021	20/06/2021	1	95	0.19	88.0	
1002-117	Tuesday, 25 May 2021	12:21:12	07/06/2021	20/06/2021	5	115	0.19	105.5	
993-205	Thursday, 27 May 2021	12:36:48	07/06/2021	20/06/2021	5	115	0.13	101.0	
1002-119	Saturday, 29 May 2021	12:47:10	07/06/2021	20/06/2021	5	115	0.18	91.5	
1002-101	Sunday, 30 May 2021	12:25:41	07/06/2021	20/06/2021	1	95	0.14	91.5	
JUNE									
1002-114, 1002-509 & 984-502	Tuesday, 1 June 2021	12:35:36	07/07/2021	20/07/2021	5	115	0.17	95.9	
1002-120 & 1002-510	Thursday, 3 June 2021	12:27:07	07/07/2021	20/07/2021	5	115	0.22	88.0	
993-206	Sunday, 6 June 2021	12:24:23	07/07/2021	20/07/2021	1	95	0.14	91.5	
1002-121A & 1002-511	Tuesday, 8 June 2021	12:24:29	07/07/2021	20/07/2021	5	115	0.18	98.8	
984-503	Tuesday, 8 June 2021	12:26:26	07/07/2021	20/07/2021	5	115	0.15	94.0	
984-500 & 1002-512 (511B)	Saturday, 12 June 2021	12:38:21	07/07/2021	20/07/2021	5	115	0.14	94.0	
1002-115	Sunday, 13 June 2021	12:37:40	07/07/2021	20/07/2021	1	95	0.16	88.0	
993-202	Wednesday, 16 June 2021	15:03:23	07/07/2021	20/07/2021	5	115	0.21	91.5	
993-213	Saturday, 19 June 2021	12:30:29	07/07/2021	20/07/2021	5	115	0.13	95.9	
1002-121B	Saturday, 19 June 2021	12:33:24	07/07/2021	20/07/2021	5	115	0.17	97.5	
993-210	Monday, 21 June 2021	12:33:13	07/07/2021	20/07/2021	5	115	0.14	88.0	
984-504	Wednesday, 23 June 2021	12:37:13	07/07/2021	20/07/2021	5	115	0.13	97.5	
993-203	Wednesday, 23 June 2021	12:38:53	07/07/2021	20/07/2021	5	115	0.24	102.8	
993-211	Sunday, 27 June 2021	13:34:00	07/07/2021	20/07/2021	1	95	0.19	91.5	
1002-110 Overhang	Monday, 28 June 2021	12:35:20	07/07/2021	20/07/2021	5	115	0.13	91.5	
993-215	Tuesday, 29 June 2021	15:15:30	07/07/2021	20/07/2021	5	115	0.13	91.5	
JULY									
984-505 & 984-506	Thursday, 1 July 2021	12:29:34	09/08/2021	20/08/2021	5	115	0.12	94.0	
993-207	Thursday, 1 July 2021	12:31:22	09/08/2021	20/08/2021	5	115	0.17	88.0	
993-214	Saturday, 3 July 2021	15:25:36	09/08/2021	20/08/2021	5	115	0.12	91.5	
993-511	Saturday, 3 July 2021	15:35:13	09/08/2021	20/08/2021	5	115	0.13	88.0	
993-224 & 984-505B	Monday, 5 July 2021	15:02:47	09/08/2021	20/08/2021	5	115	0.20	91.5	
984-501	Monday, 5 July 2021	15:06:29	09/08/2021	20/08/2021	5	115	0.13	91.5	
1002-113	Wednesday, 7 July 2021	13:07:18	09/08/2021	20/08/2021	5	115	0.14	91.5	
984-507	Wednesday, 7 July 2021	13:12:38	09/08/2021	20/08/2021	5	115	0.20	91.5	
993-216 & 984-508A	Thursday, 8 July 2021	15:12:47	09/08/2021	20/08/2021	5	115	0.13	103.5	
993-217	Saturday, 10 July 2021	13:16:16	09/08/2021	20/08/2021	5	115	0.15	88.0	
993-223	Monday, 12 July 2021	12:32:30	09/08/2021	20/08/2021	5	115	0.21	91.5	
993-209 & 984-508B	Tuesday, 13 July 2021	12:30:38	09/08/2021	20/08/2021	5	115	0.21	95.9	
984-303	Thursday, 15 July 2021	12:31:17	09/08/2021	20/08/2021	5	115	0.17	91.5	
993-204A	Sunday, 18 July 2021	12:28:01	09/08/2021	20/08/2021	1	95	0.24	91.5	
984-304 & 975-543	Tuesday, 20 July 2021	12:32:03	09/08/2021	20/08/2021	5	115	0.13	100.0	
993-204B	Wednesday, 21 July 2021	12:24:53	09/08/2021	20/08/2021	5	115	0.17	88.0	
984-305	Monday, 26 July 2021	12:40:09	09/08/2021	20/08/2021	5	115	0.14	95.9	
984-511	Tuesday, 27 July 2021	12:26:22	09/08/2021	20/08/2021	5	115	0.14	103.5	
993-218 & 984-510	Wednesday, 28 July 2021	13:02:13	09/08/2021	20/08/2021	5	115	0.15	94.0	
993-222	Friday, 30 July 2021	12:26:43	09/08/2021	20/08/2021	5	115	0.15	91.5	
993-208A & 984-512	Saturday, 31 July 2021	12:31:11	09/08/2021	20/08/2021	5	115	0.17	94.0	

Blasting & Ground Vibration

Monitoring Point: BM03

Blast monitoring, Airblast overpressure and ground vibration peak particle velocity recorded at private residence to the north of ML1535 boundary.

					Trigger Threshold		BM03 at Blast Time		
Blast Number	**Day/Date**	**Time**	**Date Obtained**	**Date Published**	**Ground Vibration (mm/s)**	**Airblast Overpressure (dB(L))**	**Ground Vibration (mm/s)**	**Airblast Overpressure (dB(L))**	**Comments**
JANUARY									
1020-216 & 1011-552 Preliminary	Saturday, 02/01/2021	12:35:19	10/02/2021	20/02/2021	5	115	0.08	88.0	
1020-205 Preliminary	Sunday, 03/01/2021	12:42:27	10/02/2021	20/02/2021	1	95	0.08	88.0	
1029-574 Preliminary	Sunday,03/01/2021	12:46:01	10/02/2021	20/02/2021	1	95	0.07	88.0	
1029-575 Preliminary	Monday,04/01/2021	09:13:50	10/02/2021	20/02/2021	5	115	0.10	88.0	
1011-902, 1011-554 & 555 Presplit Prelimina	Tuesday, 05/01/2021	12:38:59	10/02/2021	20/02/2021	5	115	0.11	88.0	
1029-114 Preliminary	Thursday, 07/01/2021	13:22:34	10/02/2021	20/02/2021	5	115	0.09	91.5	
1029-115 Preliminary	Saturday, 09/01/2021	15:03:40	10/02/2021	20/02/2021	5	115	0.09	91.5	
1029-116 1011-557 Preliminary	Monday, 11/01/2021	12:41:16	10/02/2021	20/02/2021	5	115	0.10	88.0	
1020-208, 1020-217 Preliminary	Thursday, 14/01/2021	12:45:18	10/02/2021	20/02/2021	5	115	0.12	88.0	
1011-557B & 1101-556B Preliminary	Thursday, 14/01/2021	12:48:11	10/02/2021	20/02/2021	5	115	0.10	88.0	
1020-207 & Large Rock Preliminary	Sunday, 17/01/2021	12:34:46	10/02/2021	20/02/2021	1	95	0.08	88.0	
1020-209 Preliminary	Tuesday, 19/01/2021	12:20:28	10/02/2021	20/02/2021	5	115	0.09	88.0	
1029-101 Preliminary	Wednesday, 20/01/2021	12:31:44	10/02/2021	20/02/2021	5	115	0.09	91.5	
1020-204 Preliminary	Saturday, 23/01/2021	12:38:23	10/02/2021	20/02/2021	5	115	0.11	98.8	
1020-210A & 1020-203A	Wednesday, 27/01/2021	14:18:03	10/02/2021	20/02/2021	5	115	0.09	95.9	
1020-201 & 1029 Toe Preliminary	Saturday, 30/01/2021	12:38:43	10/02/2021	20/02/2021	5	115	0.07	91.5	
FEBRUARY									
1011-307	Wednesday, 3 February 2021	12:30:57	08/03/2021	20/03/2021	5	115	0.13	88.0	
1020-203B	Wednesday, 10 February 2021	13:33:10	08/03/2021	20/03/2021	5	115	0.14	91.5	
1011-306	Friday, 12 February 2021	12:24:09	08/03/2021	20/03/2021	5	115	0.12	94.0	
1020-211	Sunday, 14 February 2021	12:36:45	08/03/2021	20/03/2021	1	95	0.09	91.5	
1011-561	Sunday, 14 February 2021	12:38:40	08/03/2021	20/03/2021	1	95	0.07	88.0	
1020-202	Tuesday, 16 February 2021	12:29:29	08/03/2021	20/03/2021	5	115	0.08	97.5	
1011-558 & 1020 Large Wedge Toe	Tuesday, 16 February 2021	12:31:19	08/03/2021	20/03/2021	5	115	0.07	98.8	
1011-559 & 1020 -Toe	Wednesday, 17 February 2021	12:38:18	08/03/2021	20/03/2021	5	115	0.07	94.0	
1020-212A	Monday, 22 February 2021	12:40:02	08/03/2021	20/03/2021	5	115	0.09	97.5	
1020-214	Wednesday, 24 February 2021	13:24:18	08/03/2021	20/03/2021	5	115	0.09	91.5	
1011-305	Saturday, 27 February 2021	16:25:43	08/03/2021	20/03/2021	5	115	0.14	88.0	
MARCH									
1020-213	Monday, 1 March 2021	12:27:06	07/04/2021	20/04/2021	5	115	0.10	88.0	
1046-999	Wednesday, 3 March 2021	12:24:18	07/04/2021	20/04/2021	5	115	0.09	103.5	
1020-219	Wednesday, 3 March 2021	12:24:28	07/04/2021	20/04/2021	5	115	0.07	97.5	
1011-562A	Thursday, 4 March 2021	12:33:29	07/04/2021	20/04/2021	5	115	0.08	88.0	
1020-212B	Sunday, 7 March 2021	15:16:54	07/04/2021	20/04/2021	1	95	0.10	88.0	
South Wedge	Monday, 8 March 2021	14:49:30	07/04/2021	20/04/2021	5	115	0.10	88.0	
North Wedge	Tuesday, 9 March 2021	09:58:54	07/04/2021	20/04/2021	5	115	0.08	88.0	
1011-304	Wednesday, 10 March 2021	12:32:40	07/04/2021	20/04/2021	5	115	0.10	88.0	
1011-312	Thursday, 11 March 2021	13:58:28	07/04/2021	20/04/2021	5	115	0.09	88.0	
1011-301	Saturday, 13 March 2021	12:22:31	07/04/2021	20/04/2021	5	115	0.11	97.5	
1011-303A & 1020 Toe	Tuesday, 16 March 2021	12:40:22	07/04/2021	20/04/2021	5	115	0.12	88.0	
1011-560	Wednesday, 17 March 2021	12:30:36	07/04/2021	20/04/2021	5	115	0.09	98.8	
1011-303B	Saturday, 20 March 2021	12:31:56	07/04/2021	20/04/2021	5	115	0.12	95.9	
1011-302	Monday, 22 March 2021	10:50:30	07/04/2021	20/04/2021	5	115	0.13	97.5	
1020-218	Friday, 26 March 2021	15:30:19	07/04/2021	20/04/2021	5	115	0.09	88.0	
1011-311	Sunday, 28 March 2021	12:39:15	07/04/2021	20/04/2021	1	95	0.12	94.0	
APRIL									
1011-308A	Thursday, 1 April 2021	12:35:19	13/05/2021	20/05/2021	5	115	0.10	88.0	
1011-313	Saturday, 3 April 2021	12:41:51	13/05/2021	20/05/2021	5	115	0.12	88.0	
1011-Toe	Tuesday, 6 April 2021	12:35:00	13/05/2021	20/05/2021	5	115	0.07	88.0	
1011-316	Tuesday, 6 April 2021	12:39:41	13/05/2021	20/05/2021	5	115	0.10	88.0	
1011-309	Saturday, 10 April 2021	12:26:44	13/05/2021	20/05/2021	5	115	0.11	88.0	
1011-314	Wednesday, 14 April 2021	13:06:51	13/05/2021	20/05/2021	5	115	0.19	91.5	
1011-310	Friday, 16 April 2021	12:34:17	13/05/2021	20/05/2021	5	115	0.11	91.5	
1011-315	Sunday, 18 April 2021	13:07:43	13/05/2021	20/05/2021	1	95	0.12	88.0	
1002-500	Sunday, 18 April 2021	13:15:33	13/05/2021	20/05/2021	1	95	0.10	88.0	
1002-501	Monday, 19 April 2021	12:43:01	13/05/2021	20/05/2021	5	115	0.09	88.0	
1002-105	Wednesday, 21 April 2021	12:39:37	13/05/2021	20/05/2021	5	115	0.13	88.0	
1011-320	Thursday, 22 April 2021	13:01:11	13/05/2021	20/05/2021	5	115	0.12	91.5	
1011-319A	Friday, 23 April 2021	12:32:07	13/05/2021	20/05/2021	5	115	0.09	88.0	
1002-106	Monday, 26 April 2021	10:59:50	13/05/2021	20/05/2021	5	115	0.13	91.5	
1002-502 1002-503	Wednesday, 28 April 2021	12:27:21	13/05/2021	20/05/2021	5	115	0.09	88.0	
1002-107	Thursday, 29 April 2021	14:31:05	13/05/2021	20/05/2021	5	115	0.12	88.0	
MAY									
1011-308B	Saturday, 1 May 2021	12:27:18	07/06/2021	20/06/2021	5	115	0.10	88.0	
1002-102 &1002-104	Tuesday, 4 May 2021	12:25:57	07/06/2021	20/06/2021	5	115	0.16	91.5	
1011-319B	Thursday, 6 May 2021	12:35:58	07/06/2021	20/06/2021	5	115	0.09	102.8	
1002-103 & 1002-501	Saturday, 8 May 2021	14:51:29	07/06/2021	20/06/2021	5	115	0.15	91.5	
1011-318	Monday, 10 May 2021	15:52:45	07/06/2021	20/06/2021	5	115	0.10	91.5	
1002-108	Wednesday, 12 May 2021	12:18:57	07/06/2021	20/06/2021	5	115	0.13	88.0	
1002-506, 1002- Toe & 1002-118	Friday, 14 May 2021	13:29:19	07/06/2021	20/06/2021	5	115	0.16	98.8	
1002-109	Monday, 17 May 2021	15:16:27	07/06/2021	20/06/2021	5	115	0.13	100.0	
1002-116	Thursday, 20 May 2021	12:24:13	07/06/2021	20/06/2021	5	115	0.18	91.5	
Large sized rocks & 1002-110	Sunday, 23 May 2021	12:57:18	07/06/2021	20/06/2021	1	95	0.14	88.0	
1002-117	Tuesday, 25 May 2021	12:21:12	07/06/2021	20/06/2021	5	115	0.11	100.0	
993-205	Thursday, 27 May 2021	12:36:48	07/06/2021	20/06/2021	5	115	0.17	91.5	
1002-119	Saturday, 29 May 2021	12:47:10	07/06/2021	20/06/2021	5	115	0.14	95.9	
1002-101	Sunday, 30 May 2021	12:25:41	07/06/2021	20/06/2021	1	95	0.12	91.5	
JUNE									
1002-114, 1002-509 & 984-502	Tuesday, 1 June 2021	12:35:36	07/07/2021	20/07/2021	5	115	0.12	88.0	
1002-120 & 1002-510	Thursday, 3 June 2021	12:27:07	07/07/2021	20/07/2021	5	115	0.12	95.9	
993-206	Sunday, 6 June 2021	12:24:23	07/07/2021	20/07/2021	1	95	0.21	88.0	
1002-121A & 1002-511	Tuesday, 8 June 2021	12:24:29	07/07/2021	20/07/2021	5	115	0.11	88.0	
984-503	Tuesday, 8 June 2021	12:26:26	07/07/2021	20/07/2021	5	115	0.10	91.5	
984-500 & 1002-512 (511B)	Saturday, 12 June 2021	12:38:21	07/07/2021	20/07/2021	5	115	0.11	88.0	
1002-115	Sunday, 13 June 2021	12:37:40	07/07/2021	20/07/2021	1	95	0.12	88.0	
993-202	Wednesday, 16 June 2021	15:03:23	07/07/2021	20/07/2021	5	115	0.14	88.0	
993-213	Saturday, 19 June 2021	12:30:29	07/07/2021	20/07/2021	5	115	0.17	98.8	
1002-121B	Saturday, 19 June 2021	12:33:24	07/07/2021	20/07/2021	5	115	0.12	101.9	
993-210	Monday, 21 June 2021	12:33:13	07/07/2021	20/07/2021	5	115	0.14	88.0	
984-504	Wednesday, 23 June 2021	12:37:13	07/07/2021	20/07/2021	5	115	0.11	98.8	
993-203	Wednesday, 23 June 2021	12:38:53	07/07/2021	20/07/2021	5	115	0.16	94.0	
993-211	Sunday, 27 June 2021	13:34:00	07/07/2021	20/07/2021	1	95	0.15	88.0	
1002-110 Overhang	Monday, 28 June 2021	12:35:20	07/07/2021	20/07/2021	5	115	0.11	88.0	
993-215	Tuesday, 29 June 2021	15:15:30	07/07/2021	20/07/2021	5	115	0.13	88.0	
JULY									
984-505 & 984-506	Thursday, 1 July 2021	12:29:34	09/08/2021	20/08/2021	5	115	0.11	94.0	
993-207	Thursday, 1 July 2021	12:31:22	09/08/2021	20/08/2021	5	115	0.18	88.0	
993-214	Saturday, 3 July 2021	15:25:36	09/08/2021	20/08/2021	5	115	0.14	88.0	
993-511	Saturday, 3 July 2021	15:35:13	09/08/2021	20/08/2021	5	115	0.23	95.9	
993-224 & 984-505B	Monday, 5 July 2021	15:02:47	09/08/2021	20/08/2021	5	115	0.12	91.5	
984-501	Monday, 5 July 2021	15:06:29	09/08/2021	20/08/2021	5	115	0.11	101.0	
1002-113	Wednesday, 7 July 2021	13:07:18	09/08/2021	20/08/2021	5	115	0.11	101.9	
984-507	Wednesday, 7 July 2021	13:12:38	09/08/2021	20/08/2021	5	115	0.17	91.5	
993-216 & 984-508A	Thursday, 8 July 2021	15:12:47	09/08/2021	20/08/2021	5	115	0.15	94.0	
993-217	Saturday, 10 July 2021	13:16:16	09/08/2021	20/08/2021	5	115	0.14	91.5	
993-223	Monday, 12 July 2021	12:32:30	09/08/2021	20/08/2021	5	115	0.13	88.0	
993-209 & 984-508B	Tuesday, 13 July 2021	12:30:38	09/08/2021	20/08/2021	5	115	0.20	91.5	
984-303	Thursday, 15 July 2021	12:31:17	09/08/2021	20/08/2021	5	115	0.18	88.0	
993-204A	Sunday, 18 July 2021	12:28:01	09/08/2021	20/08/2021	1	95	0.16	91.5	
984-304 & 975-543	Tuesday, 20 July 2021	12:32:03	09/08/2021	20/08/2021	5	115	0.21	91.5	
993-204B	Wednesday, 21 July 2021	12:24:53	09/08/2021	20/08/2021	5	115	0.13	88.0	
984-305	Monday, 26 July 2021	12:40:09	09/08/2021	20/08/2021	5	115	0.14	91.5	
984-511	Tuesday, 27 July 2021	12:26:22	09/08/2021	20/08/2021	5	115	0.10	91.5	
993-218 & 984-510	Wednesday, 28 July 2021	13:02:13	09/08/2021	20/08/2021	5	115	0.17	88.0	
993-222	Friday, 30 July 2021	12:26:43	09/08/2021	20/08/2021	5	115	0.12	91.5	
993-208A & 984-512	Saturday, 31 July 2021	12:31:11	09/08/2021	20/08/2021	5	115	0.13	88.0	

Blasting & Ground Vibration

Monitoring Point: BM08.1 <Cowal North>

Blast monitoring, Airblast overpressure and ground vibration peak particle velocity recorded at private residence to the north, north east of ML1535 boundary

					Trigger Threshold		BM08.1 at Blast Time		
Blast Number	**Day/Date**	**Time**	**Date Obtained**	**Date Published**	**Ground Vibration (mm/s)**	**Airblast Overpressure (dB(L))**	**Ground Vibration (mm/s)**	**Airblast Overpressure (dB(L))**	**Comments**
JANUARY									
1020-216 & 1011-552 Preliminary	Saturday, 02/01/2021	12:35:19	10/02/2021	20/02/2021	5	115	0.01	88.0	
1020-205 Preliminary	Sunday, 03/01/2021	12:42:27	10/02/2021	20/02/2021	1	95	0.01	88.0	
1029-574 Preliminary	Sunday,03/01/2021	12:46:01	10/02/2021	20/02/2021	1	95	0.01	81.9	
1029-575 Preliminary	Monday,04/01/2021	09:13:50	10/02/2021	20/02/2021	5	115	0.01	88.0	
1011-902, 1011-554 & 555 Presplit Prelimina	Tuesday, 05/01/2021	12:38:59	10/02/2021	20/02/2021	5	115	0.01	94.0	
1029-114 Preliminary	Thursday, 07/01/2021	13:22:34	10/02/2021	20/02/2021	5	115	0.01	88.0	
1029-115 Preliminary	Saturday, 09/01/2021	15:03:40	10/02/2021	20/02/2021	5	115	0.01	88.0	
1029-116 1011-557 Preliminary	Monday, 11/01/2021	12:41:16	10/02/2021	20/02/2021	5	115	0.01	88.0	
1020-208, 1020-217 Preliminary	Thursday, 14/01/2021	12:45:18	10/02/2021	20/02/2021	5	115	0.02	98.8	
1011-557B & 1101-556B Preliminary	Thursday, 14/01/2021	12:48:11	10/02/2021	20/02/2021	5	115	0.02	102.8	
1020-207 & Large Rock Preliminary	Sunday, 17/01/2021	12:34:46	10/02/2021	20/02/2021	1	95	0.01	88.0	
1020-209 Preliminary	Tuesday, 19/01/2021	12:20:28	10/02/2021	20/02/2021	5	115	0.01	88.0	
1029-101 Preliminary	Wednesday, 20/01/2021	12:31:44	10/02/2021	20/02/2021	5	115	0.01	94.0	
1020-204 Preliminary	Saturday, 23/01/2021	12:38:23	10/02/2021	20/02/2021	5	115	0.01	88.0	
1020-210A & 1020-203A	Wednesday, 27/01/2021	14:18:03	10/02/2021	20/02/2021	5	115	0.41	95.9	
1020-201 & 1029 Toe Preliminary	Saturday, 30/01/2021	12:38:43	10/02/2021	20/02/2021	5	115	0.11	88.0	
FEBRUARY									
1011-307	Wednesday, 3 February 2021	12:30:57	08/03/2021	20/03/2021	5	115	0.08	88.0	
1020-203B	Wednesday, 10 February 2021	13:33:10	08/03/2021	20/03/2021	5	115	0.06	88.0	
1011-306	Friday, 12 February 2021	12:24:09	08/03/2021	20/03/2021	5	115	0.07	107.0	
1020-211	Sunday, 14 February 2021	12:36:45	08/03/2021	20/03/2021	1	95	0.54	91.5	
1011-561	Sunday, 14 February 2021	12:38:40	08/03/2021	20/03/2021	1	95	0.01	88.0	
1020-202	Tuesday, 16 February 2021	12:29:29	08/03/2021	20/03/2021	5	115	0.02	95.9	
1011-558 & 1020 Large Wedge Toe	Tuesday, 16 February 2021	12:31:19	08/03/2021	20/03/2021	5	115	0.01	91.5	
1011-559 & 1020 -Toe	Wednesday, 17 February 2021	12:38:18	08/03/2021	20/03/2021	5	115	0.02	95.9	
1020-212A	Monday, 22 February 2021	12:40:02	08/03/2021	20/03/2021	5	115	0.02	97.5	
1020-214	Wednesday, 24 February 2021	13:24:18	08/03/2021	20/03/2021	5	115	0.02	88.0	
1011-305	Saturday, 27 February 2021	16:25:43	08/03/2021	20/03/2021	5	115	0.03	88.0	
MARCH									
1020-213	Monday, 1 March 2021	12:27:06	07/04/2021	20/04/2021	5	115	0.03	101.0	
1046-999	Wednesday, 3 March 2021	12:24:18	07/04/2021	20/04/2021	5	115	0.03	104.9	
1020-219	Wednesday, 3 March 2021	12:24:28	07/04/2021	20/04/2021	5	115	0.01	104.9	
1011-562A	Thursday, 4 March 2021	12:33:29	07/04/2021	20/04/2021	5	115	0.01	88.0	
1020-212B	Sunday, 7 March 2021	15:16:54	07/04/2021	20/04/2021	1	95	0.01	91.5	
South Wedge	Monday, 8 March 2021	14:49:30	07/04/2021	20/04/2021	5	115	0.02	101.0	
North Wedge	Tuesday, 9 March 2021	09:58:54	07/04/2021	20/04/2021	5	115	0.01	95.9	
1011-304	Wednesday, 10 March 2021	12:32:40	07/04/2021	20/04/2021	5	115	0.03	88.0	
1011-312	Thursday, 11 March 2021	13:58:28	07/04/2021	20/04/2021	5	115	0.01	81.9	
1011-301	Saturday, 13 March 2021	12:22:31	07/04/2021	20/04/2021	5	115	0.03	91.5	
1011-303A & 1020 Toe	Tuesday, 16 March 2021	12:40:22	07/04/2021	20/04/2021	5	115	0.02	91.5	
1011-560	Wednesday, 17 March 2021	12:30:36	07/04/2021	20/04/2021	5	115	0.02	88.0	
1011-303B	Saturday, 20 March 2021	12:31:56	07/04/2021	20/04/2021	5	115	0.08	110.2	
1011-302	Monday, 22 March 2021	10:50:30	07/04/2021	20/04/2021	5	115	0.03	88.0	
1020-218	Friday, 26 March 2021	15:30:19	07/04/2021	20/04/2021	5	115	0.05	88.0	
1011-311	Sunday, 28 March 2021	12:39:15	07/04/2021	20/04/2021	1	95	0.08	91.5	
APRIL									
1011-308A	Thursday, 1 April 2021	12:35:19	13/05/2021	20/05/2021	5	115	0.04	88.0	
1011-313	Saturday, 3 April 2021	12:41:51	13/05/2021	20/05/2021	5	115	0.12	88.0	
1011-Toe	Tuesday, 6 April 2021	12:35:00	13/05/2021	20/05/2021	5	115	0.03	88.0	
1011-316	Tuesday, 6 April 2021	12:39:41	13/05/2021	20/05/2021	5	115	0.03	88.0	
1011-309	Saturday, 10 April 2021	12:26:44	13/05/2021	20/05/2021	5	115	0.10	95.9	
1011-314	Wednesday, 14 April 2021	13:06:51	13/05/2021	20/05/2021	5	115	0.06	95.9	
1011-310	Friday, 16 April 2021	12:34:17	13/05/2021	20/05/2021	5	115	0.13	88.0	
1011-315	Sunday, 18 April 2021	13:07:43	13/05/2021	20/05/2021	1	95	0.03	88.0	
1002-500	Sunday, 18 April 2021	13:15:33	13/05/2021	20/05/2021	1	95	0.04	91.5	
1002-501	Monday, 19 April 2021	12:43:01	13/05/2021	20/05/2021	5	115	0.01	91.5	
1002-105	Wednesday, 21 April 2021	12:39:37	13/05/2021	20/05/2021	5	115	0.05	88.0	
1011-320	Thursday, 22 April 2021	13:01:11	13/05/2021	20/05/2021	5	115	0.03	95.9	
1011-319A	Friday, 23 April 2021	12:32:07	13/05/2021	20/05/2021	5	115	0.04	91.5	
1002-106	Monday, 26 April 2021	10:59:50	13/05/2021	20/05/2021	5	115	0.06	91.5	
1002-502 1002-503	Wednesday, 28 April 2021	12:27:21	13/05/2021	20/05/2021	5	115	0.01	88.0	
1002-107	Thursday, 29 April 2021	14:31:05	13/05/2021	20/05/2021	5	115	0.09	88.0	
MAY									
1011-308B	Saturday, 1 May 2021	12:27:18	07/06/2021	20/06/2021	5	115	0.05	88.0	
1002-102 &1002-104	Tuesday, 4 May 2021	12:25:57	07/06/2021	20/06/2021	5	115	0.06	88.0	
1011-319B	Thursday, 6 May 2021	12:35:58	07/06/2021	20/06/2021	5	115	0.13	104.9	
1002-103 & 1002-501	Saturday, 8 May 2021	14:51:29	07/06/2021	20/06/2021	5	115	0.08	94.0	
1011-318	Monday, 10 May 2021	15:52:45	07/06/2021	20/06/2021	5	115	0.04	91.5	
1002-108	Wednesday, 12 May 2021	12:18:57	07/06/2021	20/06/2021	5	115	0.06	88.0	
1002-506, 1002- Toe & 1002-118	Friday, 14 May 2021	13:29:19	07/06/2021	20/06/2021	5	115	0.12	104.2	
1002-109	Monday, 17 May 2021	15:16:27	07/06/2021	20/06/2021	5	115	0.06	88.0	
1002-116	Thursday, 20 May 2021	12:24:13	07/06/2021	20/06/2021	5	115	0.05	88.0	
Large sized rocks & 1002-110	Sunday, 23 May 2021	12:57:18	07/06/2021	20/06/2021	1	95	0.04	81.9	
1002-117	Tuesday, 25 May 2021	12:21:12	07/06/2021	20/06/2021	5	115	0.07	109.5	
993-205	Thursday, 27 May 2021	12:36:48	07/06/2021	20/06/2021	5	115	0.02	88.0	
1002-119	Saturday, 29 May 2021	12:47:10	07/06/2021	20/06/2021	5	115	0.16	91.5	
1002-101	Sunday, 30 May 2021	12:25:41	07/06/2021	20/06/2021	1	95	0.03	88.0	
JUNE									
1002-114, 1002-509 & 984-502	Tuesday, 1 June 2021	12:35:36	07/07/2021	20/07/2021	5	115	0.03	91.5	
1002-120 & 1002-510	Thursday, 3 June 2021	12:27:07	07/07/2021	20/07/2021	5	115	0.09	97.5	
993-206	Sunday, 6 June 2021	12:24:23	07/07/2021	20/07/2021	1	95	0.09	88.0	
1002-121A & 1002-511	Tuesday, 8 June 2021	12:24:29	07/07/2021	20/07/2021	5	115	0.03	95.9	
984-503	Tuesday, 8 June 2021	12:26:26	07/07/2021	20/07/2021	5	115	0.03	88.0	
984-500 & 1002-512 (511B)	Saturday, 12 June 2021	12:38:21	07/07/2021	20/07/2021	5	115	0.03	88.0	
1002-115	Sunday, 13 June 2021	12:37:40	07/07/2021	20/07/2021	1	95	0.04	81.9	
993-202	Wednesday, 16 June 2021	15:03:23	07/07/2021	20/07/2021	5	115	0.17	81.9	
993-213	Saturday, 19 June 2021	12:30:29	07/07/2021	20/07/2021	5	115	0.15	95.9	
1002-121B	Saturday, 19 June 2021	12:33:24	07/07/2021	20/07/2021	5	115	0.05	98.8	
993-210	Monday, 21 June 2021	12:33:13	07/07/2021	20/07/2021	5	115	0.05	88.0	
984-504	Wednesday, 23 June 2021	12:37:13	07/07/2021	20/07/2021	5	115	0.03	101.0	
993-203	Wednesday, 23 June 2021	12:38:53	07/07/2021	20/07/2021	5	115	0.06	95.9	
993-211	Sunday, 27 June 2021	13:34:00	07/07/2021	20/07/2021	1	95	0.06	88.0	
1002-110 Overhang	Monday, 28 June 2021	12:35:20	07/07/2021	20/07/2021	5	115	0.03	91.5	
993-215	Tuesday, 29 June 2021	15:15:30	07/07/2021	20/07/2021	5	115	0.09	88.0	
JULY									
984-505 & 984-506	Thursday, 1 July 2021	12:29:34	09/08/2021	20/08/2021	5	115	0.08	81.9	
993-207	Thursday, 1 July 2021	12:31:22	09/08/2021	20/08/2021	5	115	0.06	81.9	
993-214	Saturday, 3 July 2021	15:25:36	09/08/2021	20/08/2021	5	115	0.08	91.5	
993-511	Saturday, 3 July 2021	15:35:13	09/08/2021	20/08/2021	5	115	0.02	91.5	
993-224 & 984-505B	Monday, 5 July 2021	15:02:47	09/08/2021	20/08/2021	5	115	0.05	97.5	
984-501	Monday, 5 July 2021	15:06:29	09/08/2021	20/08/2021	5	115	0.02	106.0	
1002-113	Wednesday, 7 July 2021	13:07:18	09/08/2021	20/08/2021	5	115	0.02	100.0	
984-507	Wednesday, 7 July 2021	13:12:38	09/08/2021	20/08/2021	5	115	0.05	94.0	
993-216 & 984-508A	Thursday, 8 July 2021	15:12:47	09/08/2021	20/08/2021	5	115	0.04	81.9	
993-217	Saturday, 10 July 2021	13:16:16	09/08/2021	20/08/2021	5	115	0.05	88.0	
993-223	Monday, 12 July 2021	12:32:30	09/08/2021	20/08/2021	5	115	0.07	88.0	
993-209 & 984-508B	Tuesday, 13 July 2021	12:30:38	09/08/2021	20/08/2021	5	115	0.09	91.5	
984-303	Thursday, 15 July 2021	12:31:17	09/08/2021	20/08/2021	5	115	0.14	88.0	
993-204A	Sunday, 18 July 2021	12:28:01	09/08/2021	20/08/2021	1	95	0.05	88.0	
984-304 & 975-543	Tuesday, 20 July 2021	12:32:03	09/08/2021	20/08/2021	5	115	0.11	91.5	
993-204B	Wednesday, 21 July 2021	12:24:53	09/08/2021	20/08/2021	5	115	0.03	88.0	
984-305	Monday, 26 July 2021	12:40:09	09/08/2021	20/08/2021	5	115	0.12	91.5	
984-511	Tuesday, 27 July 2021	12:26:22	09/08/2021	20/08/2021	5	115	0.03	91.5	
993-218 & 984-510	Wednesday, 28 July 2021	13:02:13	09/08/2021	20/08/2021	5	115	0.05	88.0	
993-222	Friday, 30 July 2021	12:26:43	09/08/2021	20/08/2021	5	115	0.03	88.0	
993-208A & 984-512	Saturday, 31 July 2021	12:31:11	09/08/2021	20/08/2021	5	115	0.04	97.5	
Compliance Summary – Overpressure level from blasting operations must not exceeded more than 5% of the total number of blasts over a period of 12 months			**Total Number of blasts last 12 months**		191	**Percentage of exceedances over 12 month period**	0.0%	2.6%	

Cyanide

Monitoring Point: 48
Water quality monitoring, automated sampler located at the processing plant

			Total Cyanide (mg/L)				
Frequency	**Month**	**No Sampled during Month**	**Minimum**	**Mean**	**Median**	**Maximum**	**Comments**
Weekly	January	5	7.49	15.34	12.81	26.05	
Weekly	February	4	3.08	13.60	12.95	25.43	
Weekly	March	4	17.49	20.44	21.33	21.61	
Weekly	April	3	3.79	10.00	11.50	14.71	Plant shutdown from 24/04/2021
Weekly	May	4	5.31	13.13	11.24	24.73	April shutdown continued until 02/05/2021
Weekly	June	4	5.73	10.75	9.52	18.24	
Weekly	July	4	3.48	10.79	8.37	22.93	
Weekly							
Weekly							
Weekly							
Weekly							
Weekly							

			WAD Cyanide (mg/L)		Concentration Limits		
Frequency	**Month**	**No Sampled during Month**	**Minimum**	**Maximum**	**90th Percentile**	**100th Percentile**	**Comments**
Twice daily	January	62	0.00	7.96	20.00	30.00	
Twice daily	February	48	0.00	9.15	20.00	30.00	Shutdown 17-21 February.
Twice daily	March	62	0.00	12.03	20.00	30.00	
Twice daily	April	46	0.00	18.7	20.00	30.00	Plant shutdown from 24/04/2021
Twice daily	May	58	0.00	9.3	20.00	30.00	April shutdown continued until 02/05/2021
Twice daily	June	60	0.00	18.3	20.00	30.00	
Twice daily	July	61	0	35	20.00	30.00	One sample missing due to shutdown on 6/07/2021. Additional grab sample taken 06:35am 7/7/2021 exceeeded 30ppm WAD cyanide. Refer to Exceedances tab for more information.

EPL Exceedances

Monitoring Point	Monitoring Point Type	Date Sampled	Date Obtained	Date Reported	Parameter	Value	EPL Limit	Comments
48	WAD Cyanide	07/07/2021	07/07/2021	07/07/2021	CNWAD (mg/L)	35.00	30.00	Initial report provided to the EPA within 24 hours (REF-NO-3899). Detailed report provided 13/07/2021. Processing plant shutdown, acid dosing and dilution completed in accordance with site procedure.

EPL Correction Log

Monitoring Point	Monitoring Point Type	Date Sampled	Date Obtained	Date Originally Published	Parameter	Original	Correction	Comments
1	Depositional Dust	28/01/2021	18/02/2021	20/02/2021	Particulates (g/m2/mth)	1.27	3.62	Combustible Matter previously reported
1	Depositional Dust	25/02/2021	11/03/2021	20/03/2021	Particulates (g/m2/mth)	0.71	2.84	Combustible Matter previously reported
1	Depositional Dust	29/03/2021	22/04/2021	20/05/2021	Particulates (g/m2/mth)	2.84	9.46	Combustible Matter previously reported
1	Depositional Dust	29/04/2021	14/05/2021	20/05/2021	Particulates (g/m2/mth)	9.46	1.06	Combustible Matter previously reported
1	Depositional Dust	27/05/2021	11/06/2021	20/05/2021	Particulates (g/m2/mth)	1.06	8.81	Combustible Matter previously reported
2	Depositional Dust	28/01/2021	18/02/2021	20/02/2021	Particulates (g/m2/mth)	0.97	2.06	Combustible Matter previously reported
2	Depositional Dust	25/02/2021	11/03/2021	20/03/2021	Particulates (g/m2/mth)	1.65	3.04	Combustible Matter previously reported
2	Depositional Dust	29/03/2021	22/04/2021	20/05/2021	Particulates (g/m2/mth)	3.04	1.03	Combustible Matter previously reported
2	Depositional Dust	29/04/2021	14/05/2021	20/05/2021	Particulates (g/m2/mth)	1.03	0.35	Combustible Matter previously reported
2	Depositional Dust	27/05/2021	11/06/2021	20/05/2021	Particulates (g/m2/mth)	0.35	1.61	Combustible Matter previously reported
3	Depositional Dust	28/01/2021	18/02/2021	20/02/2021	Particulates (g/m2/mth)	1.22	2.78	Combustible Matter previously reported
3	Depositional Dust	25/02/2021	11/03/2021	20/03/2021	Particulates (g/m2/mth)	1.49	4.00	Combustible Matter previously reported
3	Depositional Dust	29/03/2021	22/04/2021	20/05/2021	Particulates (g/m2/mth)	4.00	7.63	Combustible Matter previously reported
3	Depositional Dust	29/04/2021	14/05/2021	20/05/2021	Particulates (g/m2/mth)	7.63	10.14	Combustible Matter previously reported
3	Depositional Dust	27/05/2021	11/06/2021	20/05/2021	Particulates (g/m2/mth)	10.14	12.38	Combustible Matter previously reported
4	Depositional Dust	28/01/2021	18/02/2021	20/02/2021	Particulates (g/m2/mth)	0.30	1.15	Combustible Matter previously reported
4	Depositional Dust	25/02/2021	11/03/2021	20/03/2021	Particulates (g/m2/mth)	3.33	5.53	Combustible Matter previously reported
4	Depositional Dust	29/03/2021	22/04/2021	20/05/2021	Particulates (g/m2/mth)	5.53	0.92	Combustible Matter previously reported
4	Depositional Dust	29/04/2021	14/05/2021	20/05/2021	Particulates (g/m2/mth)	0.92	0.51	Combustible Matter previously reported
4	Depositional Dust	27/05/2021	11/06/2021	20/05/2021	Particulates (g/m2/mth)	0.51	1.30	Combustible Matter previously reported
5	Depositional Dust	28/01/2021	18/02/2021	20/02/2021	Particulates (g/m2/mth)	0.41	1.87	Combustible Matter previously reported
5	Depositional Dust	25/02/2021	11/03/2021	20/03/2021	Particulates (g/m2/mth)	0.79	3.01	Combustible Matter previously reported
5	Depositional Dust	29/03/2021	22/04/2021	20/05/2021	Particulates (g/m2/mth)	3.01	2.00	Combustible Matter previously reported
5	Depositional Dust	29/04/2021	14/05/2021	20/05/2021	Particulates (g/m2/mth)	2.00	0.26	Combustible Matter previously reported
5	Depositional Dust	27/05/2021	11/06/2021	20/05/2021	Particulates (g/m2/mth)	0.26	8.23	Combustible Matter previously reported
6	Depositional Dust	28/01/2021	18/02/2021	20/02/2021	Particulates (g/m2/mth)	0.21	0.92	Combustible Matter previously reported
6	Depositional Dust	25/02/2021	11/03/2021	20/03/2021	Particulates (g/m2/mth)	0.20	0.90	Combustible Matter previously reported
6	Depositional Dust	29/03/2021	22/04/2021	20/05/2021	Particulates (g/m2/mth)	0.90	1.64	Combustible Matter previously reported
6	Depositional Dust	29/04/2021	14/05/2021	20/05/2021	Particulates (g/m2/mth)	1.64	0.36	Combustible Matter previously reported
6	Depositional Dust	27/05/2021	11/06/2021	20/05/2021	Particulates (g/m2/mth)	0.36	1.57	Combustible Matter previously reported