

Summary of Noise Monitoring 7 & 8 June 2021	
Premise Details	Hanson – Brandy Hill Quarry
Address	Off Seaham Road Seaham NSW 2324
Licensee	Hanson Construction Materials Pty Ltd
EPL Number	1879
EPL Location	https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=152351&SYSUID=1&LICID=1879

The monitoring report is to satisfy the requirements of Section 66 (6) of the *Protection of Environment and Operations Act 1997*, to make available, within 14 days of request, any monitoring data that relates to pollution under an Environmental Protection Licence.

The monitoring of pollutants provided in this report is undertaken as per the requirements of Environment Protection Licence 1879 (EPL 1879 – Brandy Hill Quarry)

This report provides environmental monitoring data for Brandy Hill Quarry for the period 1 January 2016 to 30 January 2021.

Brandy Hill Quarry Information	
Premise Details	Hanson – Brandy Hill Quarry
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Licensee	Hanson Construction Materials Pty Ltd
EPL Number	1879
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The monitoring of pollutants provided in this report is undertaken as per the requirements of Environment Protection Licence 1879 (EPL 1879 – Brandy Hill Quarry)

This report provides environmental monitoring data for Brandy Hill Quarry for the period 1 January 2016 to 30 January 2021.

Monitoring data in this report relates to the monitoring undertaken in the reporting period for the following environmental pollutants:

- Deposited Dust (monthly monitoring)
- Water discharge
- Blasting
- Noise Monitoring (annual monitoring)

Discharge at Point 1, 2, 3 require the following monitoring requirements			
Pollutant	Units of measure	Frequency	Sampling Method
Particulates - Deposited Matter	grams per square metre per month	Monthly	AM- 19

Discharge at Point 4, 5, 6 require the following monitoring requirements			
Pollutant	Units of measure	Frequency	Sampling Method
Oil and Grease	micrograms per litre	Daily during any discharge	Special Method 1 (grab sample during discharge and visual inspection)
pH	pH	Daily during any discharge	Grab sample
TSS	milligrams per litre	Daily during any discharge	Grab sample

Blast (L5)

L5.2 The airblast overpressure level from blasting operations in or on the premises must not exceed:

- 115 dB (Lin Peak) for more than 5% of the total number of blasts during each reporting period; and
- 120 dB (Lin Peak) at any time,

at either monitoring point 7 or 8 as identified at condition P1.4.

L5.3 The ground vibration peak particle velocity from blasting operations carried out in or on the premises must not exceed:

- 5 mm/second for more than 5% of the total number of blasts carried out on the premises during each reporting period; and
- 10 mm/second at any time,

at either monitoring point 7 or 8 as identified at condition P1.4.

Noise (L2)

L2 Noise generated at the premises must not exceed the noise limits in the table below.

Locality	Location	Noise Limits dB(A) Day / Evening / Night Laeq(15 min)	Noise Limits dB(A) Night LA1(1 min)
R1	13B Giles Road, Seaham	36	45
R2	115 Brandy Hill Drive, Seaham	36	45
R3	13 Mooghin Road, Seaham	36	45
All other noise receiver locations		36	45

Sample Location	Sample Collector	Sample Reference No.	Date	Time	pH (site)	TSS (mg/L)	pH (lab)	Oil/grease (mg/L)	Discharge? Number of days	Comments
Mar-24										
4 (North Sediment Dam 2)	Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	VGT Contractor		3/4/2024			130	7.7	<5		
6 (North Sediment Dam 1)	VGT Contractor		3/4/2024			62	8.2	<5		
Feb-24										
4 (North Sediment Dam 2)	Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	VGT Contractor		2/5/2024			<5	7.9	<5		
6 (North Sediment Dam 1)	VGT Contractor		2/5/2024			<5	8.3	<5		
Jan-24										
4 (North Sediment Dam 2)	Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	VGT Contractor		1/8/2024			6	7.6	<5		
6 (North Sediment Dam 1)	VGT Contractor		1/8/2024			8	8.4	<5		
Dec-23										
4 (North Sediment Dam 2)	Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	VGT Contractor		12/11/2023			<5	8.1	<5		
6 (North Sediment Dam 1)	VGT Contractor		12/11/2023			<5	8.3	<5		
Nov-23										
4 (North Sediment Dam 2)	Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	VGT Contractor		11/13/2023			<5	8.3	<5		
6 (North Sediment Dam 1)	VGT Contractor		11/13/2023			<5	8.1	<5		
Oct-23										
4 (North Sediment Dam 2)	Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	VGT Contractor		10/16/2023			<5	7.8	<5		
6 (North Sediment Dam 1)	VGT Contractor		10/16/2023			<5	8.3	<5		
Sep-23										
4 (North Sediment Dam 2)	Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	VGT Contractor		9/18/2022			<5	8	<5		
6 (North Sediment Dam 1)	VGT Contractor		9/18/2022			<5	8.3	<5		
Aug-23										
4 (North Sediment Dam 2)	Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	VGT Contractor		8/21/2022			<5	7.8	<5		
6 (North Sediment Dam 1)	VGT Contractor		8/21/2022			<5	8.3	<5		
Jul-23										
4 (North Sediment Dam 2)	Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	VGT Contractor		7/1/2022			<5	7.9	<5		
6 (North Sediment Dam 1)	VGT Contractor		7/1/2022			<5	8.2	<5		
Jun-23										
4 (North Sediment Dam 2)	Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	VGT Contractor		6/26/2022			<5	7.7	<5		
6 (North Sediment Dam 1)	VGT Contractor		6/26/2022			<5	8.1	<5		
May-23										
4 (North Sediment Dam 2)	Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	VGT Contractor		5/1/2022			<5	7.7	<5		
6 (North Sediment Dam 1)	VGT Contractor		5/1/2022			<5	8.3	<5		
Apr-23										
4 (North Sediment Dam 2)	Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	VGT Contractor		4/6/2022			<5	7.6	<5		
6 (North Sediment Dam 1)	VGT Contractor		4/6/2022			<5	8.3	<5		
Mar-23										

4 (North Sediment Dam 2)	Dam 2 no longer in use/no longer a water catchment				
5 (Polishing Dam 3)	VGT Contractor	3/6/2022	<5	7.7	<5
6 (North Sediment Dam 1)	VGT Contractor	3/6/2022	<5	8.4	<5
Feb-23					
4 (North Sediment Dam 2)	Dam 2 no longer in use/no longer a water catchment				
5 (Polishing Dam 3)	VGT Contractor	2/6/2022	6	7.5	<5
6 (North Sediment Dam 1)	VGT Contractor	2/6/2022	<5	8.1	<5
Jan-23					
4 (North Sediment Dam 2)	Dam 2 no longer in use/no longer a water catchment				
5 (Polishing Dam 3)	VGT Contractor	1/9/2023	<5	7.8	<5
6 (North Sediment Dam 1)	VGT Contractor	1/9/2023	<5	8.3	<5
Dec-22					
4 (North Sediment Dam 2)	Dam 2 no longer in use/no longer a water catchment				
5 (Polishing Dam 3)	VGT Contractor	12/12/2022	<5	7.9	<5
6 (North Sediment Dam 1)	VGT Contractor	12/12/2022	<5	8.3	<5
Nov-22					
4 (North Sediment Dam 2)	Dam 2 no longer in use/no longer a water catchment				
5 (Polishing Dam 3)	VGT Contractor	11/14/2022	<5	8	<5
6 (North Sediment Dam 1)	VGT Contractor	11/14/2022	<5	8.1	<5
Oct-22					
4 (North Sediment Dam 2)	Dam 2 no longer in use/no longer a water catchment				
5 (Polishing Dam 3)	VGT Contractor	10/17/2022	<5	8.3	<5
6 (North Sediment Dam 1)	VGT Contractor	10/17/2022	<5	8.4	9
Sep-22					
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment				
5 (Polishing Dam 3)	VGT Contractor	9/19/2022	<5	8	<5
6 (North Sediment Dam 1)	VGT Contractor	9/19/2022	<5	8.5	<5
Aug-22					
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment				
5 (Polishing Dam 3)	VGT Contractor	8/22/2022	<5	7.9	<5
6 (North Sediment Dam 1)	VGT Contractor	8/22/2022	<5	8.3	<5
Jul-22					
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment				
5 (Polishing Dam 3)	VGT Contractor	7/25/2022	10	7.6	<5
6 (North Sediment Dam 1)	VGT Contractor	7/25/2022	<5	8.2	<5
Jun-22					
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment				
5 (Polishing Dam 3)	VGT Contractor	6/27/2022	<5	7.8	<5
6 (North Sediment Dam 1)	VGT Contractor	6/27/2022	<5	8.2	<5
May-22					
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment				
5 (Polishing Dam 3)	VGT Contractor	5/30/2022	6	7.6	<5
6 (North Sediment Dam 1)	VGT Contractor	5/30/2022	<5	8.1	<5
May-22					
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment				
5 (Polishing Dam 3)	VGT Contractor	5/2/2022	<5	7.7	<5
6 (North Sediment Dam 1)	VGT Contractor	5/2/2022	<5	8.1	<5
Apr-22					
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment				
5 (Polishing Dam 3)	VGT Contractor	4/4/2022	13	7.6	<5
6 (North Sediment Dam 1)	VGT Contractor	4/4/2022	<5	8.2	<5
Mar-22					
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment				

5 (Polishing Dam 3)	VGT Contractor		3/7/2022			24	7.8	<5		
6 (North Sediment Dam 1)	VGT Contractor		3/7/2022			<5	8.4	<5		
Feb-22										
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	VGT Contractor		2/7/2022			<5	7.6	<5		
6 (North Sediment Dam 1)	VGT Contractor		2/7/2022			<5	8.4	<5		
Jan-22										
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	VGT Contractor		1/10/2022			<5	8.1	<5		
6 (North Sediment Dam 1)	VGT Contractor		1/10/2022			<5	8.4	<5		
Dec-21										
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	VGT Contractor		12/13/2021			<5	7.8	<5		
6 (North Sediment Dam 1)	VGT Contractor		12/13/2021			<5	8.4	<5		
Nov-21										
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	VGT Contractor		11/15/2021			10	7.6	<5		
6 (North Sediment Dam 1)	VGT Contractor		11/15/2021			10	8.2	<5		
Oct-21										
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	VGT Contractor		10/18/2021			<5	7.9	<5		
6 (North Sediment Dam 1)	VGT Contractor		10/18/2021			<5	8.3	<5		
Sep-21										
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	VGT Contractor		9/20/2021			<5	8	<5		
6 (North Sediment Dam 1)	VGT Contractor		9/20/2021			<5	8.2	<5		
Aug-21										
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	VGT Contractor		8/23/2021			<5	8	<5		
6 (North Sediment Dam 1)	VGT Contractor		8/23/2021			<5	8.3	<5		
Jul-21										
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	VGT Contractor		7/26/2021			<5	7.8	<5		
6 (North Sediment Dam 1)	VGT Contractor		7/26/2021			<5	8.1	<5		
Jun-21										
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	VGT Contractor		6/28/2021			<5	8	<5		
6 (North Sediment Dam 1)	VGT Contractor		6/28/2021			<5	8.1	<5		
May-21										
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	VGT Contractor		5/31/2021			<5	7.9	<5		
6 (North Sediment Dam 1)	VGT Contractor		5/31/2021			<5	8.1	<5		
May-21										
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	VGT Contractor		5/3/2021			6	8.1	<5		
6 (North Sediment Dam 1)	VGT Contractor		5/3/2021			6	8.1	<5		
Apr-21										
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	VGT Contractor		4/19/2021			6	8	<5		
6 (North Sediment Dam 1)	VGT Contractor		4/19/2021			3	8.1	<5		
Mar-21										
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	VGT Contractor		3/8/2021			2	7.76	<5		

6 (North Sediment Dam 1)	VGT Contractor		3/8/2021			2	8.03	<5	
Feb-21									
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment								
5 (Polishing Dam 3)	VGT Contractor		2/8/2021			3	8.28	<5	
6 (North Sediment Dam 1)	VGT Contractor		2/8/2021			9	8.3	<5	
Jan-21									
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment								
5 (Polishing Dam 3)	VGT Contractor		1/11/2021			3	8	<5	
6 (North Sediment Dam 1)	VGT Contractor		1/11/2021			<2	8.4	<5	
Dec-20									
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment								
5 (Polishing Dam 3)	Shaun Boland		12/14/2020			4	8.5	<5	
6 (North Sediment Dam 1)	Shaun Boland		12/14/2020			2	8.2	<5	
Nov-20									
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment								
5 (Polishing Dam 3)	Shaun Boland		11/16/2020			6	8.7	<5	
6 (North Sediment Dam 1)	Shaun Boland		11/16/2020			6	8.1	<5	
Oct-20									
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment								
5 (Polishing Dam 3)	Shaun Boland		10/19/2020			21	7.9	<5	
6 (North Sediment Dam 1)	Shaun Boland		10/19/2020			<2	8.2	<5	
Sep-20									
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment								
5 (Polishing Dam 3)	Shaun Boland		9/21/2020			6	8.2	<5	
6 (North Sediment Dam 1)	Shaun Boland		9/21/2020			3	8.5	<5	
Aug-20									
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment								
5 (Polishing Dam 3)	Shaun Boland		8/24/2020			4	7.9	<5	
6 (North Sediment Dam 1)	Shaun Boland		8/24/2020			3	8.2	<5	
Jul-20									
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment								
5 (Polishing Dam 3)	Shaun Boland		7/27/2020			2	8	<5	
6 (North Sediment Dam 1)	Shaun Boland		7/27/2020			2	7.7	<5	
Jun-20									
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment								
5 (Polishing Dam 3)	Shaun Boland		6/29/2020			2	8	<5	
6 (North Sediment Dam 1)	Shaun Boland		6/29/2020			2	7.7	<5	
Jun-20									
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment								
5 (Polishing Dam 3)	Shaun Boland		6/1/2020			6	8	<5	
6 (North Sediment Dam 1)	Shaun Boland		6/1/2020			<2	7.8	<5	
May-20									
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment								
5 (Polishing Dam 3)	Shaun Boland		5/4/2020			3	7.6	<5	
6 (North Sediment Dam 1)	Shaun Boland		5/4/2020			<2	7.9	<5	
Apr-20									
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment								
5 (Polishing Dam 3)	Shaun Boland		4/6/2020			12	7.6	<5	
6 (North Sediment Dam 1)	Shaun Boland		4/6/2020			18	7.6	<5	
Mar-20									
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment								
5 (Polishing Dam 3)	Shaun Boland		3/9/2020			15	7.6	<5	
6 (North Sediment Dam 1)	Shaun Boland		3/9/2020			6	8.1	<5	

Feb-20									
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment								
5 (Polishing Dam 3)	Shaun Boland		2/10/2020			134	7.8	<5	
6 (North Sediment Dam 1)	Shaun Boland		2/10/2020			3	8.2	<5	
Jan-20									
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment								
5 (Polishing Dam 3)	Shaun Boland		1/13/2020			11	7.8	<5	
6 (North Sediment Dam 1)	Shaun Boland		1/13/2020			<2	8.2	<5	
Dec-19									
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment								
5 (Polishing Dam 3)	Shaun Boland		12/16/2019			9	8.2	<5	
6 (North Sediment Dam 1)	Shaun Boland		12/16/2019			<2	8.5	<5	
Nov-19									
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment								
5 (Polishing Dam 3)	Shaun Boland		11/18/2019			5	8.8	<5	
6 (North Sediment Dam 1)	Shaun Boland		11/18/2019			<2	8.5	<5	
Oct-19									
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment								
5 (Polishing Dam 3)	Shaun Boland		10/21/2019			3	8.7	<5	
6 (North Sediment Dam 1)	Shaun Boland		10/21/2019			<2	8.4	<5	
Sep-19									
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment								
5 (Polishing Dam 3)	Shaun Boland		9/23/2019			22	8	<5	
6 (North Sediment Dam 1)	Shaun Boland		9/23/2019			<2	8.5	<5	
Aug-19									
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment								
5 (Polishing Dam 3)	Shaun Boland		8/26/2019			3	8.2	<5	
6 (North Sediment Dam 1)	Shaun Boland		8/26/2019			<2	8.3	<5	
Jul-19									
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment								
5 (Polishing Dam 3)	Shaun Boland		7/29/2019			<2	8.1	<5	
6 (North Sediment Dam 1)	Shaun Boland		7/29/2019			<2	8.2	<5	
Jun-19									
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment								
5 (Polishing Dam 3)	Shaun Boland		6/28/2019			10	8.1	<5	
6 (North Sediment Dam 1)	Shaun Boland		6/28/2019			5	8.1	<5	
May-19									
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment								
5 (Polishing Dam 3)	Shaun Boland		5/5/2019			7	8.2	<5	
5 (Polishing Dam 3)	Shaun Boland		5/31/2019			<2	8.1	<5	
6 (North Sediment Dam 1)	Shaun Boland		5/5/2019			<2	8.3	<5	
6 (North Sediment Dam 1)	Shaun Boland		5/31/2019			<2	7.8	<5	
Apr-19									
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment								
5 (Polishing Dam 3)	Shaun Boland		4/5/2019			12	7.8	<5	
6 (North Sediment Dam 1)	Shaun Boland		4/5/2019			5	8.1	<5	
Mar-19									
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment								
5 (Polishing Dam 3)	Shaun Boland		3/6/2019			5	7.8	<5	
6 (North Sediment Dam 1)	Shaun Boland		3/6/2019			<2	8.5	<5	
Feb-19									
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment								
5 (Polishing Dam 3)	Shaun Boland		2/6/2019			4	7.8	<5	

6 (North Sediment Dam 1)	Shaun Boland		2/6/2019			<2	8.5	<5		
Jan-19										
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	Shaun Boland		1/9/2019			<2	8	<5		
6 (North Sediment Dam 1)	Shaun Boland		1/9/2019			<2	8.4	<5		
Dec-18										
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	Shaun Boland		12/12/2018				9	7.7	<5	
6 (North Sediment Dam 1)	Shaun Boland		12/12/2018				2	8.5	<5	
Nov-18										
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	Shaun Boland		11/14/2018				2	8.5	<5	
6 (North Sediment Dam 1)	Shaun Boland		11/14/2018				2	8.3	<5	
Oct-18										
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	Shaun Boland		10/17/2018				10	8.1	<5	
6 (North Sediment Dam 1)	Shaun Boland		10/17/2018				10	8.5	<5	
Sep-18										
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	Shaun Boland		9/19/2018				4	7.9	<5	
6 (North Sediment Dam 1)	Shaun Boland		9/19/2018				2	8.3	<5	
Aug-18										
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	Shaun Boland		8/22/2018				6	8.2	<5	
6 (North Sediment Dam 1)	Shaun Boland		8/22/2018				<2	8.3	<5	
Jul-18										
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	Shaun Boland		7/25/2018				3	8.2	<5	
6 (North Sediment Dam 1)	Shaun Boland		7/25/2018				<2	8.2	<5	
Jun-18										
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	Shaun Boland		6/27/2018				3	7.9	<5	
6 (North Sediment Dam 1)	Shaun Boland		6/27/2018				<2	8.1	<5	
May-18										
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	Shaun Boland		5/2/2018				11	7.7	<5	
5 (Polishing Dam 3)	Shaun Boland		5/30/2018				3	7.9	<5	
6 (North Sediment Dam 1)	Shaun Boland		5/2/2018				<2	8	<5	
6 (North Sediment Dam 1)	Shaun Boland		5/30/2018				<2	8.1	<5	
Apr-18										
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	Shaun Boland		4/4/2018				25	7.8	<5	
6 (North Sediment Dam 1)	Shaun Boland		4/4/2018				<2	8.3	<5	
Mar-18										
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	Shaun Boland		3/7/2018				30	7.7	<5	
6 (North Sediment Dam 1)	Shaun Boland		3/7/2018				1	8.1	<5	
Feb-18										
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	Shaun Boland		2/7/2018				10	9.5	<5	
6 (North Sediment Dam 1)	Shaun Boland		2/7/2018				1	8.3	<5	
Jan-18										
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									

5 (Polishing Dam 3)	Shaun Boland		1/10/2018			26	9.3	<5		
6 (North Sediment Dam 1)	Shaun Boland		1/10/2018			1	8.2	<5		
Dec-17										
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	Shaun Boland									
6 (North Sediment Dam 1)	Shaun Boland									
Nov-17										
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	Shaun Boland									
6 (North Sediment Dam 1)	Shaun Boland									
Oct-17										
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	Shaun Boland		10/18/2017			43	8.3	<5		
6 (North Sediment Dam 1)	Shaun Boland		10/18/2017			2	8.6	<5		
Sep-17										
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	Shaun Boland		9/20/2017			14	9	<5		
6 (North Sediment Dam 1)	Shaun Boland		9/20/2017			3	8.6	<5		
Aug-17										
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	Shaun Boland		8/23/2017			24	8.9	<5		
6 (North Sediment Dam 1)	Shaun Boland		8/23/2017			<2	8.5	<5		
Jul-17										
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	Shaun Boland		7/26/2017			19	8.6	<5		
6 (North Sediment Dam 1)	Shaun Boland		7/26/2017			<1	8.4	<5		
Jun-17										
4 (North Sediment Dam 2)	No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									
5 (Polishing Dam 3)	Shaun Boland		6/28/2017			19	8.1	<5		
6 (North Sediment Dam 1)	Shaun Boland		6/28/2017			1	67	<5		
May-17										
4 (North Sediment Dam 2)	Shaun Boland		5/31/2017			112	7.8	<5		
5 (Polishing Dam 3)	Shaun Boland		5/31/2017			19	8.1	<5		
6 (North Sediment Dam 1)	Shaun Boland		5/31/2017			1	67	<5		
May-17										
4 (North Sediment Dam 2)	Shaun Boland		5/12/2017			5	9.5	<5		
5 (Polishing Dam 3)	Shaun Boland		5/12/2017			31	8	<5		
6 (North Sediment Dam 1)	Shaun Boland		5/12/2017			<1	8.4	<5		
Apr-17										
4 (North Sediment Dam 2)	Shaun Boland		4/5/2017			11	8.2	<5		
5 (Polishing Dam 3)	Shaun Boland		4/5/2017			25	7.6	<5		
6 (North Sediment Dam 1)	Shaun Boland		4/5/2017			3	8.5	<5		
Mar-17										
4 (North Sediment Dam 2)	Shaun Boland		3/7/2017			40	7.9	<5		
5 (Polishing Dam 3)	Shaun Boland		3/7/2017			143	8	<5		
6 (North Sediment Dam 1)	Shaun Boland		3/7/2017			6	8.3	<5		
Feb-17										
4 (North Sediment Dam 2)	Shaun Boland		2/3/2017			60	9	<5		
5 (Polishing Dam 3)	Shaun Boland		2/3/2017			<2	7.6	<5		
6 (North Sediment Dam 1)	Shaun Boland		2/3/2017			2	8.5	<5		
Jan-17										
4 (North Sediment Dam 2)	Shaun Boland		1/5/2017			46	8.6	<5		
5 (Polishing Dam 3)	Shaun Boland		1/5/2017			N/A	N/A	N/A		

6 (North Sediment Dam 1)	Shaun Boland		1/5/2017			N/A	N/A	N/A		
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Dust Deposition Gauge Monthly Monitoring

DDG 1 (Giles Road)						DDG 2 (Front gate quarry)						DDG 3 (Cattle yard)					
Month and Year	Date data obtained	Total Insoluble Matter g/m2/month	Rolling Annual Average	M2 Air - Ash (gms/sqm/mth)	M2 Air - Combustible Material	Month and Year	Date data obtained	Total Insoluble Matter g/m2/month	Rolling Annual Average	M2 Air - Ash (gms/sqm/mth)	M2 Air - Combustible Material	Month and Year	Date data obtained	Total Insoluble Matter g/m2/month	Rolling Annual Average	M2 Air - Ash (gms/sqm/mth)	M2 Air - Combustible Material
2024																	
December 2024						December 2024						December 2024					
November 2024						November 2024						November 2024					
October 2024						October 2024						October 2024					
September 2024						September 2024						September 2024					
August 2024						August 2024						August 2024					
July 2024						July 2024						July 2024					
June 2024						June 2024						June 2024					
May 2024						May 2024						May 2024					
April 2024						April 2024						April 2024					
March 2024	3/4/2024	0.7		0.3	0.4	March 2024	3/4/2024	0.7		0.3	0.4	March 2024	3/4/2024	6.8		5.6	1.2
February 2024	05/02/2024	0.7		0.4	0.3	February 2024	5/02/2024	0.8		0.5	0.3	February 2024	5/02/2024	1.3		1.0	0.3
January 2024	08/01/2024	0.7		0.3	0.4	January 2024	8/01/2024	0.9		0.4	0.5	January 2024	8/01/2024	0.7		0.3	0.4
2023																	
December 2023	11/12/2023	1.8		0.9	0.9	December 2023	12/11/2023	2.1		0.7	1.4	December 2023	12/11/2023	2.2		0.6	1.6
November 2023	13/11/2023	2.3		0.7	1.6	November 2023	11/13/2023	2.2		1	1.2	November 2023	11/13/2023	1		0.4	0.6
October 2023	16/10/2023	1.2		0.4	0.8	October 2023	10/16/2023	1.2		0.6	0.6	October 2023	10/16/2023	0.7		0.3	0.4
September 2023	18/09/2023	0.6		0.4	0.2	September 2023	9/18/2023	1.2		0.6	0.6	September 2023	9/18/2023	0.5		0.4	<0.1
August 2023	21/08/2023	0.4		0.2	0.2	August 2023	8/21/2023	0.9		0.5	0.4	August 2023	8/21/2023	2.4		1.2	1.2
July 2023	24/07/2023	0.3		0.2	<0.1	July 2023	7/24/2023	0.5		0.4	0.1	July 2023	7/24/2023	0.2		0.2	<0.1
June 2023	26/06/2023	0.4		0.2	0.2	June 2023	6/26/2023	1.6		0.2	0.2	June 2023	6/26/2023	3.6		1.4	2.2
May 2023	01/05/2023	0.4		0.2	0.2	May 2023	5/1/2023	0.9		0.5	0.4	May 2023	5/1/2023	2.6		1.4	1.2
April 2023	03/04/2023	0.5		0.5	<0.1	April 2023	4/3/2023	0.9		0.6	0.3	April 2023	4/3/2023	0.4		0.4	<0.1
March 2023	06/03/2023	0.8		0.8	0.4	March 2023	3/6/2023	0.6		0.3	0.3	March 2023	3/6/2023	1.2		0.6	0.6
February 2023	06/02/2023	0.5		0.2	0.3	February 2023	2/6/2023	4		1.5	2.5	February 2023	2/6/2023	2.5		1.1	1.4
January 2023	09/01/2023	0.5		0.2	0.3	January 2023	1/9/2023	0.8		0.4	0.4	January 2023	1/9/2023	1		0.4	0.6
2022																	
December 2022	12/12/2022	2.2		0.7	1.5	December 2022	12/12/2022	0.7		0.5	0.2	December 2022	12/12/2022	5.5		2.6	2.9
November 2022	14/11/2022	0.8		0.5	0.3	December 2022	11/14/2022	3.5		1.6	1.9	December 2022	11/14/2022	5		1.3	3.7
October 2022	21/10/2022	1.2		0.4	0.8	November 2022	10/21/2022	0.4		0.3	0.1	November 2022	10/21/2022	1		0.5	0.5
September 2022	27/09/2022	1.7		0.2	1.5	October 2022	9/27/2022	1.4		0.3	1.1	October 2022	9/27/2022	3.5		0.9	2.6
August 2022	30/08/2022	0.7		0.2	0.5	September 2022	8/30/2022	1		0.5	0.5	September 2022	8/30/2022	1.6		1.2	0.4
August 2022	1/08/2022	0.4		<0.1	0.4	August 2022	8/1/2022	0.7		0.3	0.4	August 2022	8/1/2022	0.8		0.3	0.5
July 2022	4/07/2022	0.5		0.2	0.3	July 2022	7/4/2022	1.1		0.5	0.6	July 2022	7/4/2022	1.6		0.5	1.1
June 2022	8/06/2022	0.6		0.2	0.4	June 2022	8/06/20200	3.9		2.0	1.9	June 2022	6/8/2022	5		3.9	1.1
May 2022	11/05/2022	0.4		0.2	0.2	May 2022	5/11/2022	2.5		1.1	1.4	May 2022	5/11/2022	3.3		1.8	1.5
April 2022	8/04/2022	0.8		0.1	0.7	April 2022	4/8/2022	1.4		0.5	0.9	April 2022	4/8/2022	2.8		0.7	2.1
March 2022	9/03/2022	0.7		0.3	0.4	March 2022	3/9/2022	2.4		0.6	1.8	March 2022	3/9/2022	1		0.4	0.6
February 2022	7/01/2022	0.7		0.4	0.3	February 2022	2/7/2022	1.2		0.5	0.7	February 2022	2/7/2022	2.8		1.3	1.5
January 2022	10/01/2022	0.9		0.3	0.6	January 2022	1/10/2022	1.5		0.7	0.8	January 2022	1/10/2022	3.2		1.9	1.3
2021																	
December 2021	12/16/2021	0.4	0.6	0.2	0.2	December 2021	12/16/2021	0.5	3.8846154	0.2	0.3	December 2021	12/16/2021	5.3	2.3230769	2.3	3
November 2021	11/15/2021	1.3	0.6	0.6	0.7	November 2021	11/15/2021	0.7	4.1666667	0.4	0.3	November 2021	11/15/2021	1.3	2.075	0.6	0.7
October 2021	10/18/2021	0.6	0.6	0.4	0.2	October 2021	10/18/2021	0.8	4.2416667	0.5	0.3	October 2021	10/18/2021	1	2.1454545	0.4	0.6
September 2021	9/20/2021	0.4	0.7	0.2	0.2	September 2021	9/20/2021	0.9	4.4727273	0.5	0.4	September 2021	9/20/2021	4.1	2.1	1.9	2.2
August 2021	8/23/2021	0.5	0.8	0.3	0.2	August 2021	8/23/2021	0.4	5.1	0.4	<0.1	August 2021	8/23/2021	0.5	2.0	0.4	0.1
July 2021	7/26/2021	0.1	0.9	0.1	<0.1	July 2021	7/26/2021	19.2	5.2	15.2		July 2021	26/072021	0.4	2.2	0.3	0.1
June 2021	6/28/2021	0.2	0.9	0.2	0.1	June 2021	6/28/2021	5.2	4.0	3.5	1.7	June 2021	6/28/2021	1.8	2.2	0.8	1.0
May 2021	5/31/2021	0.5	1.0	0.4	0.1	May 2021	5/31/2021	1.4	3.4	0.9	0.5	May 2021	5/31/2021	4.7	2.0	0.9	3.8
May 2021	5/3/2021	0.6	1.0	0.2	0.4	May 2021	5/3/2021	4.5	3.5	1.4	3.1	May 2021	5/3/2021	3.6	1.7	1.5	2.1
April 2021	4/5/2021	0.6	1.0	0.4	0.2	April 2021	4/5/2021	0.4	3.2	0.2	0.2	April 2021	4/5/2021	0.8	1.4	0.4	0.4
March 2021	3/8/2021	0.7	1.0	0.3	0.4	March 2021	3/8/2021	1.3	5.4	1.0	0.3	March 2021	3/8/2021	2.1	1.8	1.4	0.7
February 2021	2/8/2021	1.2	1.1	0.4	0.8	February 2021	2/8/2021	1.6	5.5	0.7	0.9	February 2021	2/8/2021	3	1.8	1.9	1.1
January 2021	1/11/2021	0.8	1.18	0.3	0.5	January 2021	1/11/2021	13.6	5.7	9.0	4.6	January 2021	1/11/2021	1.6	1.7	0.7	0.9
2020																	

December 2020	12/14/2020	1.8	1.3	1.2	0.6	December 2020	12/14/2020	1.6	5.0	1.3	0.3	December 2020	12/14/2020	1.4	1.9	1	0.4
November 2020	11/16/2020	2.2	1.2	0.50	1.70	November 2020	11/16/2020	0.7	5.2	0.4	0.3	November 2020	11/16/2020	0.5	1.9	0.4	0.1
October 2020	10/19/2020	1.5	1.2	0.8	0.70	October 2020	10/19/2020	7.8	5.5	2.3	5.5	October 2020	10/19/2020	2.9	2.1	1.2	1.7
September 2020	9/21/2020	1	1.3	0.3	0.7	September 2020	9/21/2020	1.6	5.0	1.2	0.4	September 2020	9/21/2020	2.7	2.0	1.6	1.1
August 2020	8/24/2020	0.5	1.3	0.4	0.1	August 2020	8/24/2020	5.4	4.9	3.8	1.6	August 2020	8/24/2020	0.4	1.9	0.2	0.2
July 2020	7/27/2020	0.4	1.4	0.1	0.3	July 2020	7/27/2020	0.7	4.8	0.5	0.2	July 2020	7/27/2020	0.7	2.0	0.4	0.3
June 2020	6/29/2020	0.5	1.4	0.2	0.3	June 2020	6/29/2020	2.4	8.7	2.0	0.4	June 2020	6/29/2020	0.4	2.2	0.1	0.3
June 2020	6/1/2020	0.3	1.4	0.1	0.2	June 2020	6/1/2020	1.1	9.6	0.5	0.6	June 2020	6/1/2020	0.2	2.2	0.1	0.1
May 2020	5/4/2020	1.6	1.4	0.7	0.9	May 2020	5/4/2020	27.1	10.9	21.2	5.9	May 2020	5/4/2020	0.8	2.2	0.3	0.5
April 2020	4/6/2020	1	1.3	0.5	0.5	April 2020	4/6/2020	4.7	9.2	1.2	3.5	April 2020	4/6/2020	6.1	2.2	2.7	3.4
March 2020	3/9/2020	1.3	1.3	0.7	0.6	March 2020	3/9/2020	2.9	8.6	2.1	0.8	March 2020	3/9/2020	2.7	1.8	1.3	1.4
February 2020	2/10/2020	2.5	1.3	1.8	0.7	February 2020	2/10/2020	5	8.7	2.1	2.9	February 2020	2/10/2020	2	1.7	1.5	0.5
January 2020	1/13/2020	2.1	1.2	1.3	0.8	January 2020	1/13/2020	3.5	9.1	2.4	1.1	January 2020	1/13/2020	3.6	1.7	1.9	1.7
2019																	
December 2019	12/16/2019	1.9	1.1			December 2019	12/16/2019	4.2	9.6			December 2019	12/16/2019	2.8	1.6		
November 2019	11/18/2019	2	1.0			November 2019	11/18/2019	1.2	10.1			November 2019	11/18/2019	1.2	1.4		
October 2019	10/21/2019	1.4	1.1			October 2019	10/21/2019	0.7	10.0			October 2019	10/21/2019	2.2	1.4		
September 2019	9/23/2019	1.5	1.1			September 2019	9/23/2019	3.5	10.0			September 2019	9/23/2019	1.7	1.4		
August 2019	8/26/2019	1.1	1.0			August 2019	8/26/2019	47.5	9.8			August 2019	8/26/2019	2.2	1.3		
July 2019	7/29/2019	0.2	0.9			July 2019	7/29/2019	14.1	5.6			July 2019	7/29/2019	0.3	1.2		
June 2019	6/28/2019	0.5	0.9			June 2019	6/28/2019	16.8	4.6			June 2019	6/28/2019	0.8	1.5		
May 2019	5/31/2019	0.6	0.9			May 2019	5/31/2019	5.8	3.1			May 2019	5/31/2019	0.8	1.6		
April 2019	5/5/2019	0.5	0.9			April 2019	5/5/2019	2.7	2.9			April 2019	5/5/2019	1.5	1.8		
March 2019	4/5/2019	1.2	0.9			March 2019	4/5/2019	4.2	2.8			March 2019	4/5/2019	2.1	1.8		
February 2019	3/6/2019	1.6	0.9			February 2019	3/6/2019	4.4	2.5			February 2019	3/6/2019	0.9	1.6		
January 2019	2/6/2019	0.7	0.8			January 2019	2/6/2019	10.1	2.1			January 2019	2/6/2019	2.2	1.6		
2018																	
December 2018	12/12/2018 & 9/01/2019	1.3, 2.4	0.8			December 2018	12/12/2018 & 9/01/2019	0.8, 2.3	1.4			December 2018	12/12/2018 & 9/01/2019	2.8, 2.7	1.5		
November 2018	11/14/2018	3	0.9			November 2018	11/14/2018	0.6	1.4			November 2018	11/14/2018	0.2	1.6		
October 2018	10/17/2018	0.8	0.7			October 2018	10/17/2018	0.7	5.5			October 2018	10/17/2018	2.5	1.7		
September 2018	9/19/2018	0.8	0.7			September 2018	9/19/2018	0.7	1.6			September 2018	9/19/2018	0.8	1.5		
August 2018	8/22/2018	0.5	0.7			August 2018	8/22/2018	1	1.7			August 2018	8/22/2018	1.6	1.6		
July 2018	7/25/2018	0.2	0.7			July 2018	7/25/2018	3.8	1.6			July 2018	7/25/2018	2.6	1.6		
June 2018	6/27/2018	0.2	0.7			June 2018	6/27/2018	0.4	1.7			June 2018	6/27/2018	2.8	1.5		
May 2018	5/30/2018	0.4	0.7			May 2018	5/30/2018	3	1.8			May 2018	5/30/2018	2.7	1.3		
April 2018	5/2/2018	0.6	0.8			April 2018	5/2/2018	1.7	1.7			April 2018	5/2/2018	0.9	1.2		
March 2018	4/4/2018	0.9	0.8			March 2018	4/4/2018	0.9	1.6			March 2018	4/4/2018	0.8	1.4		
February 2018	3/7/2018	0.9	0.8			February 2018	3/7/2018	0.7	1.6			February 2018	3/7/2018	0.8	1.9		
January 2018	2/7/2018	0.6	0.8			January 2018	2/7/2018	1.7	1.7			January 2018	2/7/2018	0.3	2.1		
2017																	
December 2017	1/10/2018	1.7	0.8			December 2017	1/10/2018	2	1.7			December 2017	1/10/2018	2.8	2.3		
November 2017			0.7			November 2017			1.6			November 2017			2.3		
October 2017	10/18/2017	0.6	0.7			October 2017	10/18/2017	1.5	1.6			October 2017	10/18/2017	0.7	2.3		
September 2017	9/20/2017	0.6	0.7			September 2017	9/20/2017	1.7	1.6			September 2017	9/20/2017	1.2	2.5		
August 2017	8/23/2017	0.5	0.8			August 2017	8/23/2017	0.7	1.6			August 2017	8/23/2017	1.7	2.6		
July 2017	7/26/2017	0.4	0.8			July 2017	7/26/2017	4.5	1.8			July 2017	7/26/2017	1.6	2.8		
June 2017	6/28/2017	1	0.9			June 2017	6/28/2017	1.3	1.2			June 2017	7/28/2017	1.2	3.0		
May 2017	31/05/2017, 12/0	0.6, 0.7	0.9			May 2017	31/05/2017, 12/0	3.4, 0.9	1.2			May 2017	31/05/2017, 12/0	2.1, 3.9	3.5		
April 2017	4/5/2017	0.5	0.9			April 2017	4/5/2017	1	1.2			April 2017	4/5/2017	3.1	3.5		
March 2017	3/7/2017	1.5	1.0			March 2017	3/7/2017	1.1	1.3			March 2017	3/7/2017	5.1	3.6		
February 2017	2/3/2017	0.9	0.7			February 2017	2/3/2017	1.4	1.4			February 2017	2/3/2017	3.4	2.9		
January 2017	1/5/2017	0.5	0.5			January 2017	1/5/2017	1.4	1.4			January 2017	1/5/2017	2.3	2.3		

Blast Monitoring

Date	Time	Blast Location	Blast #	Monitor Location	Air Blast dB(L)	Ground Vibration (m/s)	Comment
2024							
28/03/2024		Drop Cut	2408	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger 96	Nil Trigger 0.49	Production Blast
25/03/2024	1:50pm	Drop Cut	2403	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger 307.3	Nil Trigger 1.45	Production Blast
12/3/2024	2:36pm	Drop Cut	2405	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	86.3 110.6	0.44 0.83	Production Blast
28/2/2024	11:30am	Drop Cut	2406	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	82 104.6	0.5 1.06	Production Blast
15/2/2024	11:03am	Drop Cut	2404	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger Nil Trigger	Nil Trigger Nil Trigger	Production Blast
6/2/2024		Drop Cut	2402	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	82.8 106.4	0.36 0.41	Production Blast
17/1/2024		Drop Cut	2401	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger 106.6	Nil Trigger 0.45	Production Blast
2023							
19/12/2023	11:12am	Drop Cut	2324	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger 97.8	Nil Trigger 0.57	Production Blast
7/12/2023	10:44am	Drop Cut	2323	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger 100.0	Nil Trigger 0.53	Production Blast
30/11/2023	12:26pm	Drop Cut	2322	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	97.6 108	0.5 0.59	Production Blast
9/11/2023	11:55am	Drop Cut	2321	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	82.8 108.2	0.32 0.42	Production Blast
22/11/2023	1:25pm	Drop Cut	2320	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	82.8 103.3	0.37 0.55	Production Blast
30/10/2022	11:00am	Drop Cut	2319	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	105.7 82.8	0.53 0.38	Production Blast
16/10/2023	10:30am	Drop Cut	2318	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	82.8 108.5	0.55 0.54	Production Blast
22/09/2023	10:36am	Drop Cut	2317	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	82.8 97.2	0.49 0.46	Production Blast
31/08/2023	11:05am	Drop Cut	2316	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	82.2 103.3	0.42 0.45	Production Blast
31/08/2023	11:00am	Drop Cut	2315	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	82.2 103.3	0.42 0.45	Production Blast
15/08/2023	1:56pm	Drop Cut	2314	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	82.8 102.3	0.52 0.50	Production Blast
25/07/2023	2:30pm	Drop Cut	2313	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	82.8 103	0.41 0.41	Production Blast
6/07/2023	11:05am	Drop Cut	2312	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	82.8 104.8	0.44 0.48	Production Blast
15/06/2023	1:10pm	Drop Cut	2311	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger 104.2	Nil Trigger 1.57	Production Blast
6/06/2023	12:45pm	Drop Cut	2310	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger 111.8	Nil Trigger 0.94	Production Blast
18/05/2023		Drop Cut	2309	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger 104.3	Nil Trigger 0.86	Production Blast
27/04/2023	1:45pm	Drop Cut	2308	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger 105	Nil Trigger 1.05	Production Blast
6/04/2023	1:35pm	Drop Cut	2307	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger 105.7	Nil Trigger 0.69	Production Blast
23/03/2023	10:33am	Drop Cut	2306	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger 115.6	Nil Trigger 0.99	Production Blast
23/03/2023	2:48pm	Drop Cut	2306	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger 105.5	Nil Trigger 0.54	Production Blast
15/03/2023	11:03am	Drop Cut	2305	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger 99.7	Nil Trigger 0.94	Production Blast
2/03/2023	1:05pm	Drop Cut	2304	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger 110.8	Nil Trigger 0.54	Production Blast
23/02/2023	12:45pm	Drop Cut	2303	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger 106.7	Nil Trigger 0.52	Production Blast
7/02/2023	12:45pm	Drop Cut	2301	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	99.2 Nil Trigger	0.58 Nil Trigger	Production Blast
25/01/2023	12:45pm	Drop Cut	2300	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger Nil Trigger	Nil Trigger Nil Trigger	Production Blast
2022							
12/20/2022	12:45pm	Drop Cut	2216	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger 97.2	Nil Trigger 0.62	Production Blast
12/12/2022	3:13pm	Drop Cut	2216	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger 134.6	Nil Trigger 0.80	Production Blast
11/29/2022	12:45pm	Drop Cut	2216	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger 102.6	Nil Trigger 0.75	Production Blast
11/16/2022	12:45pm	Drop Cut	2215	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger 104	Nil Trigger 0.57	Production Blast
10/31/2022	12:45pm	Drop Cut	2213	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger 114.1	Nil Trigger 0.56	Production Blast
10/19/2022	10:30pm	Drop Cut	2214	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	88.7 108.3	0.58 0.86	Production Blast
10/4/2022	12:32pm	Drop Cut	2212	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	98.2 101.2	0.63 0.55	Production Blast
9/20/2022	10:59am	Drop Cut	2211	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	82.6 109.3	0.62 0.49	Production Blast
9/1/2022	2:08pm	Drop Cut	2210	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	76.6 106.7	0.50 0.89	Production Blast
8/10/2022	2:33pm	Drop Cut	2209	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	88.7 106	1.03 1.09	Production Blast
7/19/2022	2:05pm	Drop Cut	2208	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	82.6 101.9	0.62 0.68	Production Blast
6/21/2022	2:05pm	Drop Cut	2207	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	82.3 105	0.9 0.92	Production Blast
5/30/2022	4:29pm	Drop Cut	2206	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	85.5 105.5	0.41 0.60	Production Blast
4/26/2022	2:25pm	Drop Cut	2205	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	76.2 107	0.67 0.59	Production Blast
4/5/2022	1:10pm	Drop Cut	2204	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger 104.8	Nil Trigger 0.81	Production Blast

3/7/2022	1:07pm	Drop Cut	2203	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger 109.3	Nil Trigger 0.77	Production Blast
2/16/2022	12:26 pm	Drop Cut	2201	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	82.3 110.6	0.70 0.52	Production Blast
1/12/2022	12:54pm	Drop Cut	2117	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger 95.7	Nil Trigger 0.72	Production Blast
2021							
12/8/2021	15:01pm	Drop cut	2116	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	82.3 98.5	0.28 0.67	
11/17/2021	11:58am	Drop cut	2115	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	85.8 109	0.65 0.67	
10/25/2021	13:43pm	Drop cut	2114	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger 102.7	Nil Trigger 0.61	
9/29/2021	13:05pm	Drop cut	2113	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	82.3 97.5	0.47 0.71	
9/13/2021	13:30pm	Drop cut	2112	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	97.1 103.5	0.48 0.54	
8/30/2021	14:20pm	Drop cut	2110, 2111	Brandy Hill Dr- Closest Neighbour Quarry Driveway	76.2 102.7	0.49 0.50	
8/3/2021	13:07pm	Drop cut	2109	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	nil trigger 101	nil trigger 0.67	
7/1/2021	12:28pm	Drop cut	2108	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	nil trigger 109.7	nil trigger 0.63	
6/8/2021	14:23pm	Drop cut	2107	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	nil trigger 109.2	nil trigger 0.74	
5/17/2021	13:04pm	Drop cut	2106	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	nil trigger 108.7	nil trigger 0.61	
4/20/2021	12:27pm	Drop cut	2105	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111) 3 Giles Rd, Brandy Hill -32.65946137445706, 151.661	nil trigger 109.3 nil trigger	nil trigger 0.59 nil trigger	
3/16/2021	12:24pm	Drop cut	2104	Brandy Hill Dr- Closest Neighbour Quarry Driveway	nil trigger 101.8	nil trigger 0.85	
2/24/2021	13:18pm	Drop cut	2103	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	nil trigger 111	nil trigger 0.60	
2/8/2021	12:11pm	Drop cut	2102	Brandy Hill Dr- Closest Neighbour Quarry Driveway	nil trigger 104.8	nil trigger 0.69	
1/27/2021	11:34 AM	Old haul road	2101	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	nil trigger 111.5	nil trigger 0.39	
2020							
11/26/2020	11:36am	Old haul road	2017	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	nil trigger 102.1	nil trigger 0.79	
11/24/2020	10:38am	Floor 2	2018	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	nil trigger nil trigger	nil trigger nil trigger	
11/16/2020	12:09 PM	Drop Cut	2016	Brandy Hill Dr- Closest Neighbour Quarry Driveway	nil trigger 98.1	nil trigger 0.63	
10/19/2020	10:46 AM	Floor 1	2015	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	nil trigger 101.4	nil trigger 0.82	
9/17/2020	12:09 PM	Floor 1	2014	1 Giles Road, Brandy Hill, E374359, N 6385578 Quarry Driveway	nil trigger 108.4	nil trigger 0.47	
8/24/2020	2:04 PM	Floor 1	2013	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	nil trigger 110.3	nil trigger 0.51	
8/17/2020	11:18 AM	Floor 2	2012	Moochlin Road Seaham, E378864, N 6385463 Quarry Driveway (4111)	nil trigger 108	nil trigger 0.28	
8/4/2020	3:10 PM	Floor 2	2011-2	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	nil trigger 115	nil trigger 2.65	
7/27/2020	9:47 AM	Floor 1	2011-1	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	nil trigger 109.6	nil trigger 0.52	
7/1/2020	12:14 PM	Floor 1	2010	Brandy Hill Dr- Closest Neighbour Quarry Driveway	nil trigger 104.2	nil trigger 0.5	
6/16/2020	3:42 PM	Drop Cut	2009	Brandy Hill Dr- Closest Neighbour Quarry Driveway	nil trigger 98.4	nil trigger 0.25	
5/18/2020	1:21 PM	Floor 2	2008	Brandy Hill Dr- Closest Neighbour Quarry Driveway	nil trigger 112.8	nil trigger 0.73	
4/14/2020	4:33 PM	Floor 2	2007	Brandy Hill Dr- Closest Neighbour Quarry Driveway	nil trigger 111.4	nil trigger 0.6	
3/24/2020	1:42 PM	Floor 2 & 3	2005 & 2006	Brandy Hill Dr- Closest Neighbour Quarry Driveway	nil trigger 110.1	nil trigger 0.52	
3/9/2020	4:09 PM	Floor 1	2004	Brandy Hill Dr- Closest Neighbour Quarry Driveway	nil trigger 107.8	nil trigger 0.32	
2/25/2020	12:40 PM	Floor 3	2003	Brandy Hill Dr- Closest Neighbour Quarry Driveway	nil trigger 106	nil trigger 0.42	
2/10/2020	12:32 PM	Floor 1 & 2	2001 & 2002	Brandy Hill Dr- Closest Neighbour Quarry Driveway	nil trigger 104.7	nil trigger 0.63	
1/20/2020	12:18 PM	Floor 2	1918	Brandy Hill Dr- Closest Neighbour Quarry Driveway	nil trigger 106.9	nil trigger 1.03	
2019							
12/17/2019	11:10 AM	Floor 3	1917	Brandy Hill Dr- Closest Neighbour Quarry Driveway	nil trigger nil trigger	nil trigger nil trigger	
11/22/2019	1:40 PM	Floor 1 + ramp	1916	Brandy Hill Dr- Closest Neighbour Quarry Driveway	nil trigger 100.9	nil trigger 0.4	Production shot grey rock
11/4/2019	3:35 PM	Drop Cut	1915	Brandy Hill Dr- Closest Neighbour Quarry Driveway	nil trigger 102.8	nil trigger 0.7	New sump for de-water pump
10/22/2019	12:31 PM	Floor 1	1914	Brandy Hill Dr- Closest Neighbour Quarry Driveway	nil trigger 85.3	nil trigger 0.5	Production shot. Grey rock.
10/4/2019	12:03 PM	Floor 1	1913	Brandy Hill Dr- Closest Neighbour Quarry Driveway	nil trigger 102.2	nil trigger 0.6	Production shot grey/pink rock
9/12/2019	2:20 PM	Floor 1	1912	Brandy Hill Dr- Closest Neighbour Quarry Driveway	nil trigger 112.6	nil trigger 0.31	Production shot good grey/blue rock.
7/29/2019	2:10 PM	Floor 2 & Floor 1	1909/1911	Brandy Hill Dr- Closest Neighbour Quarry Driveway	nil trigger 114.4	nil trigger 1	Two shots fired together over top of each other.
7/5/2019	12:31 PM	Floor 1	1910	Brandy Hill Dr- Closest Neighbour Quarry Driveway	nil trigger 107.2	nil trigger 0.3	Small production blast all went well
6/17/2019	3:00 PM	Floor 2	1908	Brandy Hill Dr- Closest Neighbour Quarry Driveway	nil trigger 112.5	nil trigger 1.4	Production shot Pink/grey
5/27/2019	12:05 PM	Floor 1	1907	Brandy Hill Dme- Closest Neighbour Quarry Driveway	nil trigger 114.2	nil trigger 0.4	Small production blast all went well
5/20/2019	10:32 AM	Floor 1	1906	Brandy Hill Dr- Closest Neighbour Quarry Driveway	nil trigger 106.1	nil trigger 0.25	Small production blast all went well
5/7/2019	11:00 AM	Floor 1	1905	Brandy Hill Dr- Closest Neighbour Quarry Driveway	nil trigger nil trigger	nil trigger nil trigger	Small shot, all went very well
				Brandy Hill Dr- Closest Neighbour	nil trigger	nil trigger	Went very well no problems

4/23/2019	1:29 PM	Floor 5	1903	Quarry Driveway	104.1	0.4	
4/4/2019	12:16 PM	Floor 1	1904	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	Went very well no problems
				Quarry Driveway	103	0.5	
3/20/2019	11:59 AM	Floor 1	1902	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	Went very well no problems
				Quarry Driveway	104.8	0.4	
2/27/2019	12:29 PM	Floor 1	1901	Brandy Hill Dr - Closest Neighbour	nil trigger	nil trigger	Went very well no problems
				Quarry Driveway	97.3	0.9	
2018							
12/17/2018	3:57 PM	Floor 2 south side corner	1810	Brandy Hill Dr -Closest Neighbour	87	0.73	Went well, very good fragmentation
				Quarry driveway	105.9	1.42	
11/8/2018	1:03 PM	Floor 2 south side	1809	Brandy Hill Dr -Closest Neighbour	104.5	0.7	Large shot 109000 tons all went to plan
				Quarry driveway	110.3	1.06	
10/2/2018	11:40 AM	Floor 4	1808	Brandy Hill Dr -Closest Neighbour	90.5	0.34	Went very well.
				Quarry driveway	103.8	0.3	
9/10/2018	1:06 PM	Floor 1	1807	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	Went very well no problems
				Quarry driveway	nil trigger	nil trigger	
8/22/2018	1:44 PM	Floor 1	1806	Brandy Hill Dr -Closest Neighbour	90.5	0.24	Went well no problems.
7/30/2018	3:41 PM	Floor 2	1805	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	Went well no problems.
6/21/2018	12:00 PM	Floor 1	1804	Brandy Hill Dr -Closest Neighbour	97.1	0.61	Went well no problems.
5/22/2018	3:14 PM	Floor 1	1803	Brandy Hill Dr -Closest Neighbour	108.1	0.33	Went well no problems.
4/12/2018	12:04 PM	Floor 4	1802	Brandy Hill Dr -Closest Neighbour	74.7	0.5	Went well no problems.
3/16/2018	1:39 PM	Floor 1	1801	Brandy Hill Dr -Closest Neighbour	99.4	0.4	Went well good fragmentation and muck pile.
2/16/2018	3:18 PM	Floor 2	1723	Brandy Hill Dr -Closest Neighbour	102.3	0.5	Went very well, some over size cap rock on top.
2017							
12/19/2017	3:16 PM	Floor 1	1722	Brandy Hill Dr -Closest Neighbour	95.6	0.33	Went well good fragmentation.
11/28/2017	1:28 PM	Floor 1	1721	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	All went very well.
10/27/2017	2:02 PM	Floor 2	1720	Brandy Hill Dr -Closest Neighbour	10.1	0.66	All went very well.
10/19/2017	10:47 AM	Floor 3	1717	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	Shot went well. Some contamination/ash.
10/9/2017	10:35 AM	Drop cut.	1719	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	All went well. Good fragmentation
9/28/2017	11:10 AM	Drop cut	1718	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	Down load front, need oversize came out well.
9/14/2017	3:15 PM	Floor 1	1716	Brandy Hill Dr -Closest Neighbour	111.7	0.43	Windy when fired, came out well.
8/24/2017	4:31 PM	Floor 2	1715	Brandy Hill Dr -Closest Neighbour	97.5	1.3	Large shot 79990tons designed over size on front.
8/15/2017	2:43 PM	Floor 1	1714	Brandy Hill Dr -Closest Neighbour	108.8	0.47	All went well. Well fragmented.
8/2/2017	12:56 PM	Floor 3	1711	Brandy Hill Dr -Closest Neighbour	104.1	0.35	Came out well, some back break
7/20/2017	11:25 AM	Drop cut	1713	Brandy Hill Dr -Closest Neighbour	101.3	0.3	All went well.
7/6/2017	11:40 AM	Floor 2	1712	Brandy Hill Dr -Closest Neighbour	84.1	0.44	All went well.
6/15/2017	2:47 PM	Floor 1	1710	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	All went well.
5/30/2017	11:08 AM	Floor 2	1709	Brandy Hill Dr -Closest Neighbour	101.6	0.72	All went well.
5/11/2017	2:02 PM	Floor 1	1708	Brandy Hill Dr -Closest Neighbour	96.6	0.46	Large shot all went well 46000tons
4/20/2017	10:19 AM	Floor 2	1707	Brandy Hill Dr -Closest Neighbour	103.1	1.14	All went well.
4/7/2017	10:15 AM	Floor 2	1706	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	All went well.
3/27/2017	11:11 AM	Floor 1 south side of pit	1705	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	Fine and sunny, went well.
3/10/2017	11:00 AM	Floor 2	1704	Brandy Hill Dr -Closest Neighbour	97.5	0.56	Overcast day, all went well.
3/1/2017	11:58 AM	Floor 1	1703	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	
2/17/2017	10:42 AM	Floor 2 south side	1702	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	Hot day, overcast with a scattered shower
2/2/2017	9:57 AM	Floor 1 drop cut north side	1701	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	Hot day slightly overcast, all went well.
1/19/2017	11:19 AM	Floor 2 south side	1623	Brandy Hill Dr -Closest Neighbour	103.8	0.5	Overcast
2016							
12/15/2016	9:42 AM	Floor 1 drop cut	1622	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	
12/1/2016	10:35 AM	Floor 1 drop cut	1620	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	
11/21/2016	10:07 AM	Floor 2	1619	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	
11/2/2016	11:03 AM	Floor 1 drop cut	1618	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	
10/19/2016	10:11 AM	Floor 1 drop cut	1617	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	
10/5/2016	12:23 PM	Floor 2	1616	Brandy Hill Dr -Closest Neighbour	112.4	0.8	
9/22/2016	11:23 AM	Floor 3 Development area	1615	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	
9/8/2016	11:39 AM	Floor 1 D/Cut	1614	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	
8/23/2016	11:33 AM	Floor 2	1613	Brandy Hill Dr -Closest Neighbour	100.7	0.5	
8/11/2016	12:05 PM	Floor 2	1612	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	
7/26/2016	1:00 PM	Floor 3 Development area	1611	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	
7/14/2016			1610	Brandy Hill Dr -Closest Neighbour			
6/9/2016	12:49 PM	Floor 3 Development	1609	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	
5/24/2016	10:29 AM	Floor 1 D/Cut	1608	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	
5/17/2016	10:40 AM	Floor 2	1607	Brandy Hill Dr -Closest Neighbour	102.5	0.5	
4/29/2016	1:04 PM	Floor 1 D/Cut	1606	Brandy Hill Dr -Closest Neighbour	103.8	0.5	
4/20/2016	2:32 PM	Floor 2	1605	Brandy Hill Dr -Closest Neighbour	98.6	0.5	
4/7/2016	10:10 AM	Floor 3 Development	1604	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	
3/23/2016	2:22 PM	Floor 2	1603	Brandy Hill Dr -Closest Neighbour	102.1	0.4	
3/9/2016	1:04 PM	Floor 2	1602	Brandy Hill Dr -Closest Neighbour	102.9	1.6	
2/24/2016	11:41 AM	Floor 3	1601	Brandy Hill Dr -Closest Neighbour	102.9	0.4	
1/27/2016	12:00 AM	Floor 2	1530	Brandy Hill Dr -Closest Neighbour	112	0.2	
1/13/2016	10:05 AM	Floor 3	1529	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	
2015							
12/10/2015	2:53 PM	Floor 2	1528	Brandy Hill Dr -Closest Neighbour	105.7	0.7	
12/10/2015	2:52 PM	Floor 2	1527	Brandy Hill Dr -Closest Neighbour	105.7	0.7	Shot 1527 & 1528 tied in and fired together.
11/25/2015	10:35 AM	Floor 2	1526	Brandy Hill Dr -Closest Neighbour	102.9	1.22	
11/11/2015	10:17 AM	Floor 3 Devel	1525	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	
10/30/2015	1:06 PM	Floor 2 south	1523	Brandy Hill Dr -Closest Neighbour	102.9	0.73	
10/16/2015	10:41 AM	Drop cut	1522	Brandy Hill Dr -Closest Neighbour	101.5	0.29	
10/16/2015	10:42 AM	Floor 3 Devel	1521	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	
10/2/2015	11:40 AM	Floor 2	1520	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	
9/18/2015	10:58 AM	Floor 1 D/Cut	1519	Brandy Hill Dr -Closest Neighbour	103.1	0.51	
9/8/2015	12:47 PM	Floor 2	1517	Brandy Hill Dr -Closest Neighbour	97.3	0.51	
9/1/2015	10:07 AM	Floor 1 D/Cut	1518	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	
8/7/2015	10:56 AM	Floor 1 D/Cut	1516	Brandy Hill Dr -Closest Neighbour	100	0.21	
7/24/2015	10:27 AM	Floor 1 D/Cut	1515	Brandy Hill Dr -Closest Neighbour	108.5	0.21	
7/15/2015	10:51 AM	Floor 1 D/Cut	1514	Quarry Driveway	103.8	0.38	
7/3/2015	11:10 AM	Floor 1 D/Cut	1513	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	
6/19/2015	9:28 AM	Floor 2	1512	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	
6/5/2015	10:56 AM	Drop cut	1509	Brandy Hill Dr -Closest Neighbour	101.2	0.3	
5/29/2015	11:07 AM	Floor 3 haul R	1511	Brandy Hill Dr -Closest Neighbour	101.3	1.16	
5/7/2015	9:57 AM	Floor 3 haul R	1510	Brandy Hill Dr -Closest Neighbour	99.4	3.01	
4/10/2015	11:39 AM	Floor 3 haul R	1508	Brandy Hill Dr -Closest Neighbour	101.7	0.65	
3/27/2015	11:23 AM	Drop cut	1507	Brandy Hill Dr -Closest Neighbour	98.2	0.22	
3/11/2015	11:02 AM	Drop Cut+trim	1506	Brandy Hill Dr -Closest Neighbour	102.6	0.65	
2/27/2015	10:11 AM	Drop Cut	1504	Brandy Hill Dr -Closest Neighbour	94.6	0.6	
2/20/2015	9:37 AM	Floor 3	1505	Brandy Hill Dr -Closest Neighbour	100.1	0.58	
2/3/2015	10:48 AM	Drop cut	1503	Brandy Hill Dr -Closest Neighbour	101.8	0.61	
1/16/2015	9:40 AM	Floor 2	1502	Brandy Hill Dr -Closest Neighbour	98	0.55	
1/16/2015	10:03 AM	Floor 3	1501	Quarry Driveway	102.3	0.54	

Summary of Noise Monitoring 13 June 2023					
Location and Period	Noise limits in dB(A)		Estimated site contribution dB(A)		Compliant?
	Laeq, 15 min	LA1, 1min	Laeq, 15 min	LA1, 1min	
R1 (Giles Road) – Day	36	N/A	<30	N/A	Yes
R1 (Giles Road) – Evening	36	N/A	Inaudible	N/A	Yes
R1 (Giles Road) – Night	36	45	Inaudible	Inaudible	Yes
R2 (Brandy Hill Drive) - Day	36	N/A	Inaudible	N/A	Yes
R2 (Brandy Hill Drive) - Evening	36	N/A	Inaudible	N/A	Yes
R2 (Brandy Hill Drive) - Night	36	45	Inaudible	Inaudible	Yes
R3 (Mooghlin Road) - Day	36	N/A	<35	N/A	Yes
R3 (Mooghlin Road) - Evening	36	N/A	Inaudible	N/A	Yes
R3 (Mooghlin Road) - Night	36	45	<35	<45	Yes

Summary of Repeat Noise Monitoring 2 June 2022					
Location and Period	Noise limits in dB(A)		Estimated site contribution dB(A)		Compliant?
	Laeq, 15 min	LA1, 1min	Laeq, 15 min	LA1, 1min	
R1 (Giles Road) – Day	36	N/A	Inaudible	N/A	Yes
R2 (Brandy Hill Drive) – Day	36	N/A	Inaudible	N/A	Yes
R3 (Mooghlin Road) – Day	36	N/A	Inaudible	N/A	Yes

Summary of Noise Monitoring 19 May 2022					
Location and Period	Noise limits in dB(A)		Estimated site contribution dB(A)		Compliant?
	Laeq, 15 min	LA1, 1min	Laeq, 15 min	LA1, 1min	
R1 (Giles Road) – Day	36	N/A	Inaudible	N/A	Yes
R1 (Giles Road) – Evening	36	N/A	Inaudible	N/A	Yes
R1 (Giles Road) – Night	36	45	Inaudible	Inaudible	Yes
R2 (Brandy Hill Drive) - Day	36	N/A	45	N/A	(temperature
R2 (Brandy Hill Drive) - Evening	36	N/A	Inaudible	N/A	Yes
R2 (Brandy Hill Drive) - Night	36	45	Inaudible	Inaudible	Yes
R3 (Mooghlin Road) - Day	36	N/A	40	N/A	(temperature
R3 (Mooghlin Road) - Evening	36	N/A	Inaudible	N/A	Yes
R3 (Mooghlin Road) - Night	36	45	Inaudible	Inaudible	Yes

Summary of Noise Monitoring 7 & 8 June 2021					
Location and Period	Noise limits in dB(A)		Estimated site contribution dB(A)		Compliant?
	Laeq, 15 min	LA1, 1min	Laeq, 15 min	LA1, 1min	
R1 (Giles Road) – Day	36	N/A	<30	N/A	Yes
R1 (Giles Road) – Evening	36	N/A	Inaudible	N/A	Yes
R1 (Giles Road) – Night	36	45	Inaudible	Inaudible	Yes
R2 (Brandy Hill Drive) - Day	36	N/A	Inaudible	N/A	Yes
R2 (Brandy Hill Drive) - Evening	36	N/A	Inaudible	N/A	Yes
R2 (Brandy Hill Drive) - Night	36	45	Inaudible	Inaudible	Yes
R3 (Mooghlin Road) - Day	36	N/A	<30	N/A	Yes
R3 (Mooghlin Road) - Evening	36	N/A	Inaudible	N/A	Yes
R3 (Mooghlin Road) - Night	36	45	Inaudible	Inaudible	Yes

Location and Period	Estimated site contribution (dBA)		Compliant?
	LAeq, 15 min	LA1, 1 min	
R1 (Giles Road) – Day	<30	N/A	Yes
R1 (Giles Road) – Evening	Inaudible	N/A	Yes
R1 (Giles Road) – Night	Inaudible	Inaudible	Yes
R2 (Brandy Hill Drive) - Day	Inaudible	N/A	Yes
R2 (Brandy Hill Drive) - Evening	<26	44	Yes
R2 (Brandy Hill Drive) - Night	<28	N/A	Yes
R3 (Mooghlin Road) - Day	<30	N/A	Yes
R3 (Mooghlin Road) - Evening	<30	N/A	Yes
R3 (Mooghlin Road) - Night	<13	N/A	Yes
	<10	30	Yes

Summary of Noise Monitoring 1 & 2 April 2020					
Location and Period	Noise limits in dB(A)		Estimated site contribution dB(A)		Compliant?
	Laeq, 15 min	LA1, 1min	Laeq, 15 min	LA1, 1min	
R1 (Giles Road) – Day	36	N/A	<35	N/A	Yes
R1 (Giles Road) – Evening	36	N/A	<35	N/A	Yes
R1 (Giles Road) – Night	36	45	35	<45	Yes
R2 (Brandy Hill Drive) - Day	36	N/A	Inaudible	N/A	Yes
R2 (Brandy Hill Drive) - Evening	36	N/A	Inaudible	N/A	Yes
R2 (Brandy Hill Drive) - Night	36	45	Inaudible	Inaudible	Yes
R3 (Mooghlin Road) - Day	36	N/A	Inaudible	N/A	Yes
R3 (Mooghlin Road) - Evening	36	N/A	Inaudible	N/A	Yes
R3 (Mooghlin Road) - Night	36	45	Inaudible	Inaudible	Yes

Summary of Noise Monitoring 12 & 15 April 2019					
Location and Period	Criteria Level (dBA)		Estimated site contribution (dBA)		Compliant?
	Laeq, 15 min	LA1, 1min	LAeq, 15 min	LA1, 1 min	
R1 (Giles Road) – Day	36	N/A	Not Audible	Not Applicable	yes
R1 (Giles Road) – Evening	36	N/A	Not Audible	Not Applicable	yes
R1 (Giles Road) – Night	45	45	Not Audible	Not Applicable	yes
R2 (Brandy Hill Drive) - Day	36	N/A	Not Audible	Not Applicable	yes
R2 (Brandy Hill Drive) - Evening	36	N/A	Not Audible	Not Applicable	yes
R2 (Brandy Hill Drive) - Night	45	45	Not Audible	Not Applicable	yes
R3 (Mooghlin Road) - Day	36	N/A	<30	Not Applicable	yes
R3 (Mooghlin Road) - Evening	36	N/A	Not Audible	Not Applicable	yes
R3 (Mooghlin Road) - Night	45	45	<30	35	yes

of Noise Monitoring 11 & 19 April 2018					
Location and Period	Criteria Level (dBA)		Measured noise levels (dBA)		
	Laeq, 15 min	LA1, 1min	LA90 (15min)	LAeq (15min)	LA1 (1min)
R1 (Giles Road) – Night	36	45	36	47	67
R1 (Giles Road) – Day	36	N/A	34	42	57
R2 (Brandy Hill Drive) - Night	36	45	44	56	82
R2 (Brandy Hill Drive) - Day	36	N/A	44	66	83
R3 (Mooghlin Road) - Night	36	45	30	42	64
R3 (Mooghlin Road) - Day	36	N/A	31	41	61

Summary of Noise Monitoring 7 & 8 June 2021

<30

<30



Image Source: Nearmap (Feb 2018)

Legend
● Noise Monitoring Location

FIGURE 1.2
Noise Monitoring Locations