



Pollution Monitoring Data - Holcim Lynwood Quarry (EPL Number 12939)

Facility Address	278 Stoney Creek Road, Marulan, NSW, 2579
Link to EPL on Public Register	https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=12939&id=12939&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued
Date Dataset Updated	Friday, August 12, 2022
Date Dataset Published	Friday, August 12, 2022

Air Quality Monitoring - Hi Volume Sampler Results

Note(s) DNT = Did Not Trigger

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description						
HVAS1	Average(every 6	EPL	-	50	µg/m3	Particulate Matter < 10 µm (PM10)						
Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Result (Mean)	6.9	16.3	5.1	9.3	4.3	2.7	#DIV/0!	3.1	7.4	7.9	7.5	5.3
Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	#DIV/0!	Pass	Pass	Pass	Pass	Pass
Comments regarding Hi Volume monitoring outcomes at HVAS 1												
Comment 1:	6/12/21 - Unit off due to power issue. Sample has visible PM10 30/1/22 - Machine was found off upon filter collection but is suspected to have ran as there was visible PM10 faintly observed on filter. Calibration unable to be completed as per schedule so will be completed in											
Comment 2:	5/2/22 Door to Hivol machine was open on arrival and bag for filter sample on ground in grass											
Comment 3:												

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description						
HVAS2	Average(every 6	EPL	-	50	µg/m3	Particulate Matter < 10 µm (PM10)						
Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Result (Mean)	6.9	9.9	5.4	8.5	5.6	5.6	6.4	7.8	11.9	7.6	10.3	8.1
Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Comments regarding Hi Volume monitoring outcomes at HVAS 1												
Comment 1:	12/1/22 - Machine was found off upon filter collection but is suspected to have ran as there was visible PM10 on filter 18/1/22 - Sample definitely ran after machine was off last week											
Comment 2:	22/2/22 Excavation nearby when filter changed											
Comment 3:												

0.3

Air Quality Monitoring - Deposition Results

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Jan Date	Feb Date	Mar Date	Apr Date	May Date	Jun Date	Jul Date	Aug Date	Sep Date	Oct Date	Nov Date	Dec Date	
DD 5	Monthly	EPLSection P1	-	4	mg/m2/month	InsolubleSolids	Result	0.7	0.7	0.7	0.5	0.7	1.3	0.3	0.3	0.1	0.4	0.9	0
							Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
DD 8	Monthly	EPLSection P1	-	4	mg/m2/month	InsolubleSolids	Result	1	0.7	0.8	1.1	0.5	0.3	0.4	0.3	0.2	0.6	0.3	1.2
							Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
DD11	Monthly	EPLSection P1	-	4	mg/m2/month	InsolubleSolids	Result	1.2	0.7	0.8	0.4	0.4	0.1	0.5	0.3	0.1	0.4	0.3	1.3
							Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
DD12	Monthly	EPLSection P1	-	4	mg/m2/month	InsolubleSolids	Result	2.8	0.5	0.6	2.3	7.6	0.3	0.4	0.5	0.2	0.3	7.6	0.6
							Pass / Fail	Pass	Pass	Pass	Pass	Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass
DD13	Monthly	EPLSection P1	-	4	mg/m2/month	InsolubleSolids	Result	0.7	1	0.5	0.3	0.4	0.3	0.2	0.2	0.5	0.8	0.7	
							Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

Comments regarding deposition monitoring outcomes

Comment 1:	7/3/22 DD13 - Sample exposed for 34 days as location was temporarily inaccessible due to flood waters over road. Result has been averaged by the sampling period, in days, in accordance with AS3580.10.1.
Comment 2:	0
Comment 3:	0

B2Pipeline	Per Blast	EPLSection L4	Ignimbrite	-	115	dB (Lin Peak)	OverPressure											
				-	5	mm/s	GroundVibration	0	0	0	0	0	0	0	0	0	0	0
B3Resident	Per Blast	EPLSection L4	Ignimbrite	-	115	dB (Lin Peak)	OverPressure	0	0	0	0	0	0	0	0	0	0	0
				-	5	mm/s	GroundVibration	0	0	0	0	0	0	0	0	0	0	0

Blast Monitoring Results at Granite Pit - January 2022

Location	Frequency	Source	Required For:	Lower Limit	Upper Limit	Unit	Description	11/01/2022	13/01/2022	18/01/2022	20/01/2022	27/01/2022	01/02/2022	08/02/2022	10/02/2022	15/02/2022	17/2/2022	22/02/2022	
Cameron / Res	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	OverPressure	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	
				-	5	mm/s	GroundVibration	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	
Lockeysleigh/R	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	OverPressure	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	100.0 db	DNT <100db
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	
				-	5	mm/s	GroundVibration	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	0.56mm/s	DNT <0.5mm/s
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	
7244Rail/Pipelin	Per Blast	EPL	Granite	-	5	mm/s	GroundVibration	DNT <0.5mm/s	DNT <0.5mm/s	0.83mm/s	DNT <0.5mm/s	0.69mm/s	0.64mm/s	0.94 mm/s	1.24mm/s	DNT <0.5mm/s	0.90mm/s	DNT <0.5mm/s	
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass		
				-	5	mm/s	GroundVibration	DNT <0.5mm/s	DNT <0.5mm/s	0.83mm/s	DNT <0.5mm/s	0.69mm/s	0.64mm/s	0.94mm/s	1.24mm/s	DNT <0.5mm/s	0.90mm/s	DNT <0.5mm/s	
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass			

Blast Monitoring Results at Granite Pit - February 2022

Location	Frequency	Source	Required For:	Lower Limit	Upper Limit	Unit	Description	11/01/2022	13/01/2022	18/01/2022	20/01/2022	27/01/2022	01/02/2022	08/02/2022	10/02/2022	15/02/2022	17/2/2022	22/02/2022
B4Resident	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	OverPressure	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	
				-	5	mm/s	GroundVibration	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass		
B5Resident	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	OverPressure	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	84.1db
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass			
				-	5	mm/s	GroundVibration	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	0.70mm/s
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass			
B6Rail	Per Blast	EPL	Granite	-	5	mm/s	GroundVibration	DNT <0.5mm/s	DNT <0.5mm/s	0.68mm/s	DNT <0.5mm/s	0.85mm/s	0.66mm/s	0.66mm/s	DNT <0.5mm/s	0.54mm/s	1.40mm/s	
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass				
				-	5	mm/s	GroundVibration	DNT <0.5mm/s	DNT <0.5mm/s	0.68mm/s	DNT <0.5mm/s	0.85mm/s	0.66mm/s	0.66mm/s	DNT <0.5mm/s	0.54mm/s	1.40mm/s	
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass				

Blast Monitoring Results

Note(s)	DNT <(X)dB = Did Not Trigger with monitoring equipment set at a trigger point of "X"dB
	DNT <(X)mm/s = Did Not Trigger with monitoring equipment set at a trigger point of "X"mm/s

Blast Monitoring Results at Granite Pit - March 2022

Location	Frequency	Source	Required For:	Lower Limit	Upper Limit	Unit	Description	11/01/2022	13/01/2022	18/01/2022	20/01/2022	27/01/2022	01/02/2022	08/02/2022	10/02/2022	15/02/2022	17/2/2022	22/02/2022
B4Resident	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	OverPressure	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass			
				-	5	mm/s	GroundVibration	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass				
B5Resident	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	OverPressure	DNT <100db	DNT <100db	110.7db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass				
				-	5	mm/s	GroundVibration	DNT <0.5mm/s	DNT <0.5mm/s	0.12mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass				
B6Rail	Per Blast	EPL	Granite	-	5	mm/s	GroundVibration	0.85mm/s	DNT <0.5mm/s	0.50mm/s	DNT <0.5mm/s	0.61mm/s	0.65mm/s	0.64mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass				
				-	5	mm/s	GroundVibration	0.85mm/s	DNT <0.5mm/s	0.50mm/s	DNT <0.5mm/s	0.61mm/s	0.65mm/s	0.64mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	
				Pass	Pass	Pass	Pass	Pass	#REF!	Pass	Pass	Pass	Pass					

Blast Monitoring Results at Granite Pit - April 2022

Location	Frequency	Source	Required For:	Lower Limit	Upper Limit	Unit	Description	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db
B4Resident	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	OverPressure	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass		
				-	5	mm/s	GroundVibration	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass		
B5Resident	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	OverPressure	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass		
				-	5	mm/s	GroundVibration	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass		
B6Rail	Per Blast	EPL	Granite	-	5	mm/s	GroundVibration	DNT <0.5mm/s	DNT <0.5mm/s	0.78mm/s	DNT <0.5mm/s	0.53mm/s	DNT <0.5mm/s	0.75mm/s	0.65mm/s
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass			
				-	5	mm/s	GroundVibration	DNT <0.5mm/s	DNT <0.5mm/s	0.78mm/s	DNT <0.5mm/s	0.53mm/s	DNT >0.5mm/s	0.75mm/s	0.65mm/s
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass			

Blast Monitoring Results at Granite Pit - May 2022

Location	Frequency	Source	Required For:	Lower Limit	Upper Limit	Unit	Description	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db
B4Resident	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	OverPressure	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass		
				-	5	mm/s	GroundVibration	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass		
B5Resident	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	OverPressure	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass		
				-	5	mm/s	GroundVibration	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass		
B6Rail	Per Blast	EPL	Granite	-	5	mm/s	GroundVibration	0.65mm/s	0.53mm/s	0.96mm/s	0.64mm/s	0.64mm/s	0.50mm/s	DNT <0.5mm/s	0.63mm/s
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass			
				-	5	mm/s	GroundVibration	0.65mm/s	0.53mm/s	0.96mm/s	0.64mm/s	0.64mm/s	0.5mm/s	DNT <0.5mm/s	0.63mm/s
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass			

Blast Monitoring Results

Note(s)	DNT <(X)dB = Did Not Trigger with monitoring equipment set at a trigger point of "X"dB
	DNT <(X)mm/s = Did Not Trigger with monitoring equipment set at a trigger point of "X"mm/s

Blast Monitoring Results at Granite Pit - June 2022

Location	Frequency	Source	Required For:	Lower Limit	Upper Limit	Unit	Description	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db
B4Resident	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	OverPressure	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass		
				-	5	mm/s	GroundVibration	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass		
B5Resident	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	OverPressure	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass		
				-	5	mm/s	GroundVibration	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass		
B6Rail	Per Blast	EPL	Granite	-	5	mm/s	GroundVibration	0.85mm/s	1.12mm/s	0.85mm/s	0.58mm/s	DNT <0.5mm/s	DNT <0.5mm/s	1.13mm/s	0.88mm/s
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass			
				-	5	mm/s	GroundVibration	0.85mm/s	1.12mm/s	0.85mm/s	0.58mm/s	DNT <0.5mm/s	DNT <0.5mm/s	1.13mm/s	0.88mm/s
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass			

Blast Monitoring Results at Granite Pit - July 2022

B4Resident	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	OverPressure	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
				-	5	mm/s	GroundVibration	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s
B5Resident	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	OverPressure	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
				-	5	mm/s	GroundVibration	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s
B6Rail	Per Blast	EPL	Granite	-	5	mm/s	GroundVibration	DNT <0.5mm/s	DNT <0.5mm/s	0.89mm/s	DNT <0.5mm/s	DNT <0.5mm/s	0.53mm/s	0.72mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s
				-	5	mm/s	GroundVibration	DNT <0.5mm/s	DNT <0.5mm/s	0.89mm/s	DNT <0.5mm/s	DNT <0.5mm/s	0.53mm/s	0.72mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s

Blast Monitoring Results at Granite Pit - November 2022

Location	Frequency	Source	Required For:	Lower Limit	Upper Limit	Unit	Description											
B4Resident	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	OverPressure	0	0	0	0	0	0	0	0	0	0	0
				-	5	mm/s	GroundVibration	0	0	0	0	0	0	0	0	0	0	0
B5Resident	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	OverPressure	0	0	0	0	0	0	0	0	0	0	0
				-	5	mm/s	GroundVibration	0	0	0	0	0	0	0	0	0	0	0
B6Rail	Per Blast	EPL	Granite	-	5	mm/s	GroundVibration	0	0	0	0	0	0	0	0	0	0	0
				-	5	mm/s	GroundVibration	0	0	0	0	0	0	0	0	0	0	0

Blast Monitoring Results

Note(s) DNT <(X)dB = Did Not Trigger with monitoring equipment set at a trigger point of "X"dB

DNT <(X)mm/s = Did Not Trigger with monitoring equipment set at a trigger point of "X"mm/s

Blast Monitoring Results at Granite Pit - December 2022

Location	Frequency	Source	Required For:	Lower Limit	Upper Limit	Unit	Description											
B4Resident	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	OverPressure	0	0	0	0	0	0	0	0	0	0	0
				-	5	mm/s	GroundVibration	0	0	0	0	0	0	0	0	0	0	0
B5Resident	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	OverPressure	0	0	0	0	0	0	0	0	0	0	0
				-	5	mm/s	GroundVibration	0	0	0	0	0	0	0	0	0	0	0
B6Rail	Per Blast	EPL	Granite	-	5	mm/s	GroundVibration	0	0	0	0	0	0	0	0	0	0	0
				-	5	mm/s	GroundVibration	0	0	0	0	0	0	0	0	0	0	0

Comments regarding blast monitoring outcomes

Comment 1:

Comment 2:

Comment 3:

