

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⦥=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			Particula	te Matter < 10 μ	m (PM10)		
Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
esult (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
				Comme	nts regarding Hi	Volume monitori	ng outcomes at l	HVAS 1				
Comment 1:	6/12/21 - Unit off due to	power issue. Sample	e has visible PM10 30/1	/22 - Machine was foun	id off upon filter collect	tion but is suspected to I	have ran as there was	visible PM10 fainlty of	served on filter. Calibr	ation unable to be com	pleted as per schedule	so will be complete
Comment 2:	5/2/22 Door to Hivol ma	achine was open on a	rrival and bag for filter	sample on ground in gra	ass							
Comment 3:												
Comment 3:												
Comment 3: Location	Frequency	Source	Lower Limit	Upper Limit	Unit				Description			
	Frequency average(every 6	Source EPL	Lower Limit	Upper Limit 50	Unit µg/m3			Particula	Description te Matter < 10 μ	m (PM10)		
Location						Jun	Jul	Particula		m (PM10) Oct	Νον	Dec
Location HVAS2 Month	iverage(every 6 Jan	EPL	-	50	µg/m3	Jun 5.6	<b>Jul</b> 6.4		te Matter < 10 μ	· · ·	<b>Nov</b> 10.3	<b>Dec</b> 8.1
Location HVAS2 Month	iverage(every 6 Jan	EPL Feb	- Mar	50 Apr	µg/m3 May			Aug	te Matter < 10 μ Sep	Oct		
Location HVAS2 Month Result (Mean)	verage(every 6 Jan 6.9	EPL <b>Feb</b> 9.9	- Mar 5.4	50 Apr 8.5 Pass	µg/m3 May 5.6 Pass	5.6	6.4 Pass	Aug 7.8 Pass	te Matter < 10 μ Sep 11.9	<b>Oct</b> 7.6	10.3	8.1
Location HVAS2 Month Result (Mean)	verage(every 6 Jan 6.9	EPL Feb 9.9 Pass	- Mar 5.4 Pass	50 Apr 8.5 Pass Comme	µg/m3 May 5.6 Pass nts regarding Hi	5.6 Pass Volume monitori	6.4 Pass ng outcomes at l	Aug 7.8 Pass HVAS 1	te Matter < 10 μ Sep 11.9	<b>Oct</b> 7.6	10.3	8.1
Location HVAS2 Month Result (Mean) Pass / Fail	average(every 6 Jan 6.9 Pass	EPL Feb 9.9 Pass found off upon filter c	- Mar 5.4 Pass	50 Apr 8.5 Pass Comme	µg/m3 May 5.6 Pass nts regarding Hi	5.6 Pass Volume monitori	6.4 Pass ng outcomes at l	Aug 7.8 Pass HVAS 1	te Matter < 10 μ Sep 11.9	<b>Oct</b> 7.6	10.3	8.1

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

## Air Quality Monitoring - Deposition Results

Loca	ation	Frequency	Source	Lower Limit	Upper Limit	Unit	Descri	ption	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
_									Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date
DE	05	Monthly	EPLSection P1	-	4	ma/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
	-	,				<b>3</b> <sup>1</sup> · · · ·		Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	
D	0.8	Monthly	EPLSection P1	_	4	ma/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
		Morrany	El Ecodion I I		•	ing/inz/inoritin		Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
DE	11	Monthly	EPLSection P1		4	ma/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
	,,,,	wontiny	EFLSection FI	-	4	mg/mz/month	InsolubleSolius	Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
	012	Monthly	EPLSection P1		4	ma/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
	/12	wontiny	EPLSection PT	-	4	mg/mz/monun	InsolubleSolids	Pass / Fail	Pass	Pass	Pass	Pass	Fail	Pass	Pass	Pass	Pass	Pass	Fail	Pass
DE	10	Mantheli	EPLSection P1		4	man /ma ) /ma a m th	InsolubleSolids	Result	0.7	1	0.5	0.3	0.4	0.3	0.2	0.2	0.2	0.5	0.8	0.7
DL	13	Monthly	EPLSection PT	-	4	mg/mz/month	InsolubleSolids	Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
			•				·													·
									0		- 141									
									Comments	s regarding depo	sition monitoring	outcomes								
Comr	nent 1:	7/3/22 DD13 - Sample	e exposed for 34 days a	as location was tempora	arily inaccessible due t	o flood waters over roa	d. Result has been aver	aged by the sampling p	eriod, in days, in acco	ordance with AS3580.10	0.1.									
Comr	nent 2 <sup>.</sup>	า																		
Com	noncz.	5																		
Comr	nent 3:	C																		

0.3

# Noise Monitoring Results

Lesster	<b>F</b>	C	I	[]	11	Description	Q1	Q2	Q3	Q4
Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Sample Date	Sample Date	Sample Date	Sample Date
			-	35	dB	Aeq (15 min)Day Result	<35	<35	<35	0
			-	35	uВ	Aeq (15 min)bay Pass / Fail	Pass	Pass	Pass	0
			-	35	dB	eq (15 min)Eveni Result	<35	<35	<35	0
Carrick Rd, Ma	Quarterly	EPLSection L3	_		uD	Pass / Fail	Pass	Pass	Pass	0
	quarterry		-	35	dB	Aeq (15 min)Nigh Result	<35	<35	<35	0
		_			40	Pass / Fall	Pass	Pass	Pass	0
			-	45	dB	A1 (1 min)Night Result	<45	<45	<45	0
						Pass / Fail	Pass	Pass	Pass	0
							Q1	Q2	Q3	Q4
Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Sample Date	Sample Date	Sample Date	Sample Date
						Result	<35	<35	35	
			-	35	dB	Aeq (15 min)Day Result Pass / Fail	Pass	Pass	Pass	0
		ŀ				Desult	<37	<37	<37	0
			-	37	dB	eq (15 min)Eveni Result Pass / Fail	Pass	Pass	Pass	0
of Maclura Dr, M	Quarterly	EPLSection L3			15	Deput	<36	<36	<36	0
			-	36	dB	Aeq (15 min)Nigh Result Pass / Fail	Pass	Pass	Pass	0
				46	d۵	Result	<46	<46	<46	0
			-	40	dB	A1 (1 min)Night Pass / Fail	Pass	Pass	Pass	0
Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Q1	Q2	Q3	Q4
Eccution	riequency	oouroe	Eower Emme		Onit		Sample Date	Sample Date	Sample Date	Sample Date
			-	35	dB	Aeq (15 min)Day Result	<35	<35	<35	0
		-				Pass / Fall	Pass	Pass	Pass	0
			-	35	dB	eq (15 min)Eveni Result	<35 Pass	<35 Pass	<35 Pass	0
y, 16038 Hume	Quarterly	EPLSection L3				Pass / Fail Pass / Fail	<pre></pre>	<35	<35	0
			-	35	dB	Aeq (15 min)Nigh Result Pass / Fail	Pass	Pass	Pass	0
		-				Popult	41		<47	0
			-	47	dB	_A1 (1 min)Night Pass / Fail	Pass	Pass	Pass	0
				II		1 43571 41				· ·
							Q1	Q2	Q3	Q4
Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Sample Date	Sample Date	Sample Date	Sample Date
				37	40	Asa (15 min)Day Result	<37	<35	<35	0
			-	31	dB	Aeq (15 min)Day Pass / Fail	Pass	Pass	Pass	0
			_	37	dB	eq (15 min)Eveni Result	<37	<37	<37	0
ettand Suffolk	Quarterly	EPLSection L3			20	Pass / Fail	Pass	Pass	Pass	0
Canada Ganoik	quarterry		-	36	dB	Aeq (15 min)Nigh	<36	<36	<36	0
						Pass / Fail	Pass	Pass	Pass	0
			-	47	dB	_A1 (1 min)Night	<47	<47	<47	0
L l						Pass / Fail	Pass	Pass	Pass	0
							Comments regarding noise monitoring ou	tcomes		
Comment 1:	The LAeg (Ev	ening and Night) fr	equency asses	ssment is annual.						
Comment 2:										
Comment 3:										

# **Blast Monitoring Results**

Note(s) DNT <(X)dB = Did No

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

Blast Monitor	ring Results a	at Ignimbrite F	Pit - WOY 2022															
Location	Frequency	Source	<b>Required For:</b>	Lower Limit	Upper Limit	Unit	Description	0	0	0	0	0	0	0	0	0	0	0
				-	115	dB (Lin Peak)	OverPressure	0	0	0	0	0	0	0	0	0	0	0
B1Rail	Per Blast	EPLSection L4	Ignimbrite			ab (1)												
2	i oi Diaot		igninistito	_	5	mm/s	GroundVibration	0	0	0	0	0	0	0	0	0	0	0
				_	5	1111/3	bioundvibiation											
					115	dR (I in Poak)	OverBressure	0	0	0	0	0	0	0	0	0	0	0

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

P2Dinalina	Dor Plaat	EPLSection L4 Ignimbrite	-	115	UD (LIII F CAN)	OVEIL IESSUIE											· · · · · · · · · · · · · · · · · · ·
B2Pipeline	Per blast	EPLSection L4 Ignimbrite	_	5	mm/s	GroundVibration	0	0	0	0	0	0	0	0	0	0	0
				0	1111/5	Broand vibration											
				115	dR (Lin Book)	Lin Peak) OverPressure	0	0	0	0	0	0	0	0	0	0	0
33Resident	Dor Plaat	EPLSection L4 Ignimbrite	-	115	ub (Lili Feak)												
borresident	rei blast	EPLSection L4 Ignimbrite		F	mm/o		0	0	0	0	0	0	0	0	0	0	0
			-	5	mmvs												

#### Blast Monitoring Results at Granite Pit - January 2022

Blast monitor	ing Results a	Corunite r it	Sanuary 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
					115	dB (Lin Boak)	OverPressure	DNT <100db										
6 Cameron / Res	Per Blast	EPL	Granite	-	115		OverFlessule	Pass										
b Cameron / Res	Fei Diasi	EFL	Gianite		Б	mm/s	GroundVibration	DNT <0.5mm/s										
				-	5	1111/5	Siound vibration	Pass										
					115	dB (Lin Book)	OverPressure	DNT <100db	100.0 db	DNT <100db								
ockeyersleigh/R	Per Blast	EPL	Granite	-	115		OverFlessule	Pass										
ockeyersleigh/r	i ei blast		Glanite		5	mm/s	GroundVibration	DNT <0.5mm/s	0.56mm/s	DNT <0.5mm/s								
				-	5	1111/3	Stouria vibration	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	0.94 mm/s	1.24mm/s	DNT <0.5mm/s	0.90mm/s	DNT <0.5mm/s
7244Rail/Pipelin	Per Blast	EPL	Granite		0	mm/5	Sidunavibiation	Pass										
	i ei blast		Glanite	_	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
				-	5	1111/5	Siguraviblation	Pass										

### Blast Monitoring Results at Granite Pit - February 2022

	Location	Frequency	Source	Required For:	Lower Limit	Upper Limit	Unit	Description										
						115	dB (Lip Dook)	OverPressure	DNT <100db	DNT <100db	DNT <100db	DNT<100db	DNT<100db	DNT <100db				
D/	Resident	Per Blast	EPL	Granite	-	115	ub (Lin Peak)	OverPressure	Pass									
D4	Resident	Fei blast	LFL	Gianile		5	mm/s	GroundVibration	DNT <0.5mm/s									
					-	5	1111/5	Siound vibration	Pass									
					_	115	dB (Lin Book)	OverPressure	DNT <100db	84.1dbl								
BP	Resident	Per Blast	EPL	Granite	-	115	ub (Elli Feak)	OverFlessule	Pass									
D.	nesident	T ET DIASE		Glanite	_	5	mm/s	GroundVibration	DNT <0.5mm/s	0.70mm/s								
					-	5	1111/5	Sidunavibration	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
	B6Rail	Per Blast	EPL	Granite	-	5	1111/5	Sidunavibration	Pass									
	Dortail			Gianne	_	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	).54mm/s	1.40mm/s
					-	5	1111//5	Signia vibration	Pass									

# **Blast Monitoring Results**

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

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

Blast Monito	oring Results a	t Granite Pit -	March 2022														
Location	Frequency	Source	Required For:	Lower Limit	Upper Limit	Unit	Description										
				_	115	dB (Lin Book)	OverPressure	DNT <100db									
B4Resident	Per Blast	EPL	Granite	-	115	ub (Lill Feak)	OverFlessule	Pass									
DAINesident	r er blast	LFL	Gianite	_	5	mm/s	GroundVibration		DNT <0.5mm/s								
				-	5	1111/5	Sidunavibration	Pass									
				_	115	dB (Lin Book)	OverPressure	DNT <100db	DNT <100db	110.7db	DNT <100db						
B5Resident	Per Blast	EPL	Granite	_	115	ub (Elli Feak)	OverFlessure	Pass									
Dortesident	i ei blast		Granite		5	mm/s	GroundVibration	DNT <0.5mm/s	DNT <0.5mm/s	0.12mm/s	DNT <0.5mm/s						
				-	5	1111/5	Sidunavibration	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
B6Rail	Per Blast	EPL	Granite	-	5	1111/5	Sidunavibration	Pass									
Bortail	i ei Diast		Gianne	_	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
				-	5	1111/5	Siduna vibration	Pass	Pass	Pass	Pass	Pass	#REF!	Pass	Pass	Pass	Pass

Location	Frequency	Source	Required For:	Lower Limit	Upper Limit	Unit	Description								
					115	dB (Lin Peak)		DNT <100db	DNT <100d						
B4Resident	Per Blast	EPL	Granite	-	115	ub (Lill Peak)	OverPressure	Pass	Pass						
D4Resident	Per blast	EPL	Granite		F	mm/a	GroundVibration		DNT <0.5mm/s	DNT <0.5mm					
				-	5	mm/s	Sioundvibiation	Pass	Pass						
				_	115	dB (Lin Peak)	OverBreesure	DNT <100db	DNT <100dl						
B5Resident	Per Blast	EPL	Granite	-	115	ub (Liii Feak)	OverFlessule	Pass	Pass						
Bortesidem	Fei blast	EFL	Granite	_	Б	mm/s	GroundVibration	DNT <0.5mm/s	DNT <0.5mm						
				-	5	1111/5	Siounavibiation	Pass	Pass						
					Б	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
B6Rail	Per Blast	EPL	Granite	-	5	1111/5	Siounavibiation	Pass	Pass						
DURAII	rei blast	CPL	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
				-	5	1111/5	Siguration	Pass	Pass						

### Blast Monitoring Results at Granite Pit - May 2022

Location	Frequency	Source	Required For:	Lower Limit	Upper Limit	Unit	Description								
					115	dB (Lip Dook)	OverPressure	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db
B4Resident	Per Blast	EPL	Granite	-	115	ub (Lill Feak)	OverFlessule	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
D4Resident	rei biasi	EFL	Granite		5	mm/s	GroundVibration		DNT <0.5mm/s						
				-	5	1111//5	Siound vibration	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
				_	115	dB (Lin Peak)	OverPressure	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db
B5Resident	Per Blast EPL Granite - 115	115	db (Elli Feak)	OverPressure	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass			
Dortesident	r ei blast		Gianne		5	mm/s	GroundVibration		DNT <0.5mm/s						
				-	5	1111/3	Biodila vibiation	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	0.50mm/s	DNT <0.5mm/s	0.63mm/s
B6Rail	36Rail Per Blast EPL Granite -			5	1111/3	Siound vibration	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	
Dortai	BoRall Per Blast		Granite	_	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
					5	1111/3	Signia vibration	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 Monito	ring Results a	t Granite Pit	- June 2022													
Location	Frequency	Source	Required For:	Lower Limit	Upper Limit	Unit	Description									
					115	dD (Lin Dook)		DNT <100db	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	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
D4Resident	Fei blast	EFL	Granite		Б	mm/s	GroundVibration		DNT <0.5mm/s							
				-	5	mmvs	GIOUTIOVIDIALION	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
					115	dR (Lin Book)	OverPressure	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db
B5Resident	Per Blast	EPL	Granite	-	115	ub (Lill Feak)	OverFlessule	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Dorresident	Fei blast	EFL	Granite		Б	mm/s	GroundVibration		DNT <0.5mm/s							
				-	5	1111/5	SIGUILUVIDIALIOIT	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
					Б	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	DNT <0.5mm/s
B6Rail	Per Blast	EPL	Granite	-	5	1111/5	SIGUILUVIDIALIOIT	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
DURAII	rei diasl	EFL	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	DNT <0.5mm/s
				-	5	1111/5	BIOUTIUVIDIALIOTI	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

Blast Monitoring Results at Granite Pit - July 2022

Location	Frequency	Source	<b>Required For:</b>	Lower Limit	Upper Limit	Unit	Description										
					115	dB (Lin Dook)	OverPressure	DNT <100db									
B4Resident	Per Blast	EPL	Granite	-	115	ub (Lill Peak)	OverPressure	Pass									
D4Resident	Per blast	EPL	Granite		5	mm/s	GroundVibration	DNT <0.5mm/s									
				-	5	1111/5	Siound vibration	Pass									
					115	dR (Lin Book)	OverPressure	DNT <100db									
B5Resident	Per Blast	EPL	Granita	-	115	ub (Ein Feak)		Pass									
Bortesident	Fei blast	EFL	Granite	-	5	5 mm/s G	GroundVibration -	DNT <0.5mm/s									
				-	5			Pass									
					5	mm/s	GroundVibration		DNT <0.5mm/s	DNT <0.5mm/s	1.19 mm/s	DNT <0.5mm/s	1.37mm/s				
B6Rail Per Blas	Por Blast	EPL	Granite	-	5	1111/5	Sidunavibration	Pass									
	r er blast	LFL	Gianne	-	5	mm/s Gr	GroundVibration		DNT <0.5mm/s	DNT <0.5mm/s	1.19 mm/s	DNT <0.5mm/s	1.37mm/s				
					5		GroundVibration	Pass									

### Blast Monitoring Results at Granite Pit - August 2022

Location	Frequency	Source	<b>Required For:</b>	Lower Limit	Upper Limit	Unit	Description												
					115	dB (Lin Peak)		DNT <100db											
B4Resident	Per Blast	EPL	Granite	-	115	ub (Lill Peak)	OverPressure	Pass											
64Resident	Per blast	EPL	Gianite		5	mm/s	GroundVibration		DNT <0.5mm/s										
				-	5	1111/5	Siduna vibration	Pass											
				_	115	dB (Lin Peak)	OverPressure	DNT <100db	89.5 DBL	DNT <100db									
B5Resident	Per Blast	EPL	Granite		113	dB (Lin Peak)	OverFlessule	Pass											
Dortesident	i ei blast		Gianne	_	5	mm/s	GroundVibration	DNT <0.5mm/s	0.47mm/s	DNT <0.5mm/s									
				-	5	mm/s 3	GroundVibration	Pass											
				_	5	mm/s	GroundVibration	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	1.37mm/s	DNT <0.5mm/s	0.55 mm/s	0.92 mm/s	DNT <0.5mm/s	DNT <0.5mm/s	0.89mm/s	DNT <0.5mm/s	DNT <0.5mm/s
B6Rail	Per Blast	EPL	Granite	-	5	mm/s G	Siduna vibration	Pass											
B6Rail	i ci blast		Granite	_	5	mm/s Gr	GroundVibration	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	1.37mm/s	DNT <0.5mm/s	0.55 mm/s	0.92mm/s	DNT <0.5mm/s	DNT <0.5mm/s	0.89mm/s	DNT <0.5mm/s	DNT <0.5mm/s
					0		GroundVibration	Pass											

## **Blast Monitoring Results**

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

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

Location	Frequency	Source	<b>Required For:</b>	Lower Limit	Upper Limit	Unit	Description										
					115	dD (Lin Dook)		DNT <100db	DNT <100db								
B4Resident	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	OverPressure	Pass	Pass								
D4Resident	Per blast	EPL	Granite		F	mm/s	GroundVibration	DNT <0.5mm/s	DNT <0.5mm								
				-	5	mmvs	Sioundvibration	Pass	Pass								
B5Resident			Granite	_	115	dP (Lin Pook)	OverPressure	DNT <100db	DNT <100db	89.5 DBL	DNT <100db	DNT <100db					
	Per Blast	EPL		-	115	dB (LIII Peak)	OverPressure	Pass	Pass								
Dorresident	Fei blast	LFL		-	5	mm/s	GroundVibration	DNT <0.5mm/s	DNT <0.5mm/s	0.47mm/s	DNT <0.5mm/s	DNT <0.5mm/					
				-	5	mmvs	Sioundvibration	Pass	Pass								
					5		GroundVibration	DNT <0.5mm/s	0.55 mm/s	0.92 mm/s	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
B6Rail	Per Blast	EPL	Oranita	- !	5	mm/s	Sioundvibration	Pass	Pass								
	r ei blast	LFL	Granite	- 5		mm/s Gro	GroundVibration	DNT <0.5mm/s	0.55 mm/s	0.92mm/s	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
					5		GroundVibration	Pass	Pass								

 Blast Monitoring Results at Granite Pit - October 2022

 Location
 Frequency
 Source
 Required For:
 Lower Limit
 Upper Limit
 Unit
 Description

 115
 dB (Lin Peak)
 OverPressure
 DNT <100db</td>
 DNT <1

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

<100db	DNT <100db	DNT <100db	DNT <100db

	B4Resident	Per Blast	EPL	Granite	-	110	αυ (μπ Γσακ)	J OVER IESSUIE	Pass										
	64Resident	Per blast	EPL	Gianne		F	mm/a	GroundVibration	DNT <0.5mm/s										
					-	5	mm/s	Glound vibration	Pass										
						115	dR (Lin Book)	) OverPressure	DNT <100db										
	B5Resident	Per Blast	EPL	Granite	-	115	ub (Lill Feak)		Pass										
B5Resident	Per Blast	EFL	Gianne		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	
				-	5	mm/s	GroundVibration	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	
						5		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
	R6Pail	Per Blast	EPL	Granite	-	5	mm/s	Sioundvibration	Pass										
B6Rail	Fei blast	EFL	Gianne		5			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	Pass										

#### Blast Monitoring Results at Granite Pit - November 2022

Locatio	on Frequenc	y Source	Required For:	Lower Limit	Upper Limit	Unit	Description											
					115	dB (Lin Peak)		0	0	0	0	0	0	0	0	0	0	0
B4Reside	ent Per Blas	EPL	Granite	-	115	ub (Lin Peak)	OverPressure	0	0	0	0	0	0	0	0	0	0	0
D4Resiu		LFL	Granite	_	5	mm/s	GroundVibration	0	0	0	0	0	0	0	0	0	0	0
				_	5	1111/3	Sidurid Vibration	0	0	0	0	0	0	0	0	0	0	0
				_	115	dB (Lin Peak)	OverPressure	0	0	0	0	0	0	0	0	0	0	0
B5Resident	ent Per Blas	EPL	Granite	_	110		Overriessule	0	0	0	0	0	0	0	0	0	0	0
			Granite	- 5	mm/s	GroundVibration	0	0	0	0	0	0	0	0	0	0	0	
					5	mm/s	Sidurid Vibration	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 Blas	EPL	Granite	_	5	1111//3	Sidurid Vibration	0	0	0	0	0	0	0	0	0	0	0
Dorvar			Glanite	_	5	mm/s	GroundVibration	0	0	0	0	0	0	0	0	0	0	0
				_	5	1111/3		0	0	0	0	0	0	0	0	0	0	0

# **Blast Monitoring Results**

Note(s)	DNT <(X)dB = Did Not Trigger with mc
	$DNT \leq (X)mm/s = Did Not Triager with$

Location	Frequency	Source	<b>Required For:</b>	Lower Limit	Upper Limit	Unit Descrip	ion											
					115	dB (Lin Peak) OverPres	(	)	0	0	0	0	0	0	0	0	0	0
B4Resident	Per Blast	EPL	Granite	-	115	dB (LIII Peak) OverPres	(	)	0	0	0	0	0	0	0	0	0	0
D4Resident	Fei blast	LFL	Glatille	_	5	mm/s GroundVib	(	)	0	0	0	0	0	0	0	0	0	0
				-	5		ation (	)	0	0	0	0	0	0	0	0	0	0
B5Resident		EPL	Granite	_	115	dB (Lin Peak) OverPres	(	)	0	0	0	0	0	0	0	0	0	0
	Per Blast			-	115	ub (Lill Feak) OverFies	(	)	0	0	0	0	0	0	0	0	0	0
	r er blast		Glanite	_	5	mm/s GroundVib	(	)	0	0	0	0	0	0	0	0	0	0
				-	5		ation (	)	0	0	0	0	0	0	0	0	0	0
					5	mm/s GroundVib	(	)	0	0	0	0	0	0	0	0	0	0
B6Rail	Per Blast	EPL	Granite	-	5		ation (	)	0	0	0	0	0	0	0	0	0	0
	r ei blast	LFL	Gianne		5	mm/s GroundVib	(	)	0	0	0	0	0	0	0	0	0	0
				-	5		(	)	0	0	0	0	0	0	0	0	0	0

Comments rega	arding blast monitoring outcomes
Comment 1:	
Comment 2:	
Comment 3:	

#### nonitoring 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

		I
		Ī
		Ī
		Ī
		-