

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&iot=12939&option=licence&searchrange=POEO%20licence&prp=no&status=Issued
Date Dataset Updated	Friday, January 17, 2025
Date Dataset Published	Friday, 31 January 2025

Air Quality Monitoring - Hi Volume Sampler Results

Note(s) DNT = Did Not Trigger

Location	Frequency	Source	Lower Limit	Upper Limit	Unit				Description				
HVAS1	24hr average (every 6 days)	EPL	-	50	μg/m3			Particula	ite Matter < 10 μn	n (PM10)			
Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
lt (Mean)	11.0	8.5	12.2	11.1	3.8	4.5	17.1	11.7	20.3	14.3	20.3	16.0	
ss / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	
			C	Comments regarding	ng Hi Volume mor	nitoring outcomes	at HVAS 1						
Comment 1:			·					-		-			
Comment 2:													
Comment 3:													
	Frequency	Source	Lower Limit	Upper Limit	Unit				Description				
Comment 3:	Frequency 24hr average (every 6 days)	Source EPL	Lower Limit	Upper Limit	Unit μg/m3			Particula	Description ate Matter < 10 μn	n (PM10)			
Comment 3:	24hr average					Jun	Jul	Particula Aug		n (PM10)	Nov	Dec	
Comment 3: Location HVAS2	24hr average (every 6 days)	EPL Feb	- Mar	50	μg/m3	Jun 4.4	Jul		ite Matter < 10 μn	` ′	Nov 14.0	Dec 19.1	
Location HVAS2 Month	24hr average (every 6 days) Jan	EPL Feb	- Mar	50 Apr	µg/m3 May			Aug	ate Matter < 10 µn	Oct			
Location HVAS2 Month sult (Mean)	24hr average (every 6 days) Jan	EPL Feb	- Mar 8.5 Pass	50 Apr	μg/m3 May 6.4 Pass	4.4 Pass	10.3 Pass	Aug 6.4	Sep	Oct 11.4	14.0	19.1	
Location HVAS2 Month sult (Mean) ass / Fail	24hr average (every 6 days) Jan	EPL Feb	- Mar 8.5 Pass	50 Apr 9.5 Pass	μg/m3 May 6.4 Pass	4.4 Pass	10.3 Pass	Aug 6.4	Sep	Oct 11.4	14.0	19.1	
Location HVAS2 Month sult (Mean)	24hr average (every 6 days) Jan	EPL Feb	- Mar 8.5 Pass	50 Apr 9.5 Pass	μg/m3 May 6.4 Pass	4.4 Pass	10.3 Pass	Aug 6.4	Sep	Oct 11.4	14.0	19.1	

Air Quality Monitoring - Deposition Results

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Descr	intion	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Location	Frequency	Source	Lower Limit	Opper Limit	Onit	Desci	iption	Date											
DD 5	Monthly	EPL		4	mg/m2/month	Insoluble	Result	1.4	0.8	1.1	0.5	11	2	0.4	0.2	0.3	0.4	1.6	0.7
00.0	Monthly	Section P1	-	4	mg/mz/month	Solids	Pass / Fail	Pass	Pass	Pass	Pass	Fail	Pass						
DD 8	Monthly	EPL		4	mg/m2/month	Insoluble	Result	3.3	1	0.6	0.5	4.4	0.8	0.3	0.2	0.6	0.3	0.9	2.4
DD 6	Monthly	Section P1	-	4	mg/mz/month	Solids	Pass / Fail	Pass	Pass	Pass	Pass	Fail	Pass						
DD11	Monthly	EPL		4	mg/m2/month	Insoluble	Result	1.8	0.9	0.4	1.3	0.4	1	0.5	0.3	0.3	0.6	0.5	0.5
DB11	Monthly	Section P1	-	4	mg/mz/month	Solids	Pass / Fail	Pass											
DD12	Monthly	EPL		4	mg/m2/month	Insoluble	Result	0.6	1.3	0.6	0.7	0.8	0.8	0.5	0.4	0.1	0.5	0.3	1.5
DD 12	Monthly	Section P1	-	4	mg/mz/month	Solids	Pass / Fail	Pass											
DD13	Monthly	EPL		4	mg/m2/month	Insoluble	Result	2.2	0.1	4	0.8	0.5	0.1	0.4	0.3	0.3	0.5	0.9	2.1
13	ivionthly	Section P1	-	4	mig/miz/month	Solids	Pass / Fail	Pass	Pass	Fail	Pass								

	Comments regarding deposition monitoring outcomes
Comment 1:	
Comment 2:	DD13 in FEB2024. The bottle cound not be replaced due to access issue (flood over the bridge at the access road). On the aftercon/same day the funnel was bound broken after the visit by Mohsen, which might be due to the storm. Rambior placed the funnel on the 19th Feb.
Comment 3:	#REF!

Noise Monitoring Results

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Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Q1 Sample Date	Q2 Sample Date	Q3 Sample Date	Q4 Sample Date
						LAeq (15 min) Res		<35	<35	<35
			-	35	dB	Day Pass	Fail Pass	Pass	Pass	Pass
						LAeq (15 min) Res	ılt <35	<35	<35	<35
NAL 1		EPL	-	35	dB	Evening Pass	Fail Pass	Pass	Pass	Pass
114 Carrick Rd, Marulan (L1)	Quarterly	Section L3				LAeq (15 min) Res	ult <35	<35	<35	<35
			-	35	dB	Night Pass	Fail Pass	Pass	Pass	Pass
						LA1 (1 min) Res		<45	<45	<45
			-	45	dB	Night Pass		Pass	Pass	Pass
									. 200	
							Q1	Q2	Q3	Q4
Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Sample Date	Sample Date	Sample Date	Sample Date
						LAeq (15 min) Res		<35	<35	<35
		1	-	35	dB	Day Pass		Pass	Pass	Pass
						LAeq (15 min) Res		<37	<37	<37
NAL 2		EPL	-	37	dB	Evening Pass		Pass	Pass	Pass
of Maclura Dr, Marulan (L6)	Quarterly	Section L3				LAeq (15 min) Res		<36	<36	<36
			-	36	dB	Night Pass	Fail Pass	Pass	Pass	Pass
						LA1 (1 min) Res		<46	<46	<46
			-	46	dB	Night Pass		Pass	Pass	Pass
							Q1	Q2	Q3	Q4
Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Sample Date	Sample Date	Sample Date	Sample Date
				0.5		LAeq (15 min) Res	ılt <35	<35	<35	<35
			-	35	dB	Day Pass	Fail Pass	Pass	Pass	Pass
				25	dB	LAeq (15 min) Res	ılt <35	<35	<35	<35
NAL 3	Quarterly	EPL	-	35	ab ab	Evening Pass	Fail Pass	Pass	Pass	Pass
lary, 16038 Hume Highway, M	Quarterly	Section L3	_	25	-ID	LAeq (15 min) Res	ılt <35	<35	<35	<35
			-	35	dB	Night Pass	Fail Pass	Pass	Pass	Pass
				47	-ID	LA1 (1 min) Res	ılt	<47	<47	<47
			-	47	dB	Night Pass	Fail Pass	Pass	Pass	Pass
Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Q1	Q2	Q3	Q4
Location	rrequency	Cource	Lower Linit	Opper Limit	Onic	Description	Sample Date	Sample Date	Sample Date	Sample Date
			_	37	dB	LAeq (15 min) Res		<37	<37	<37
				Ŭ.		Day Pass		Pass	Pass	Pass
				37	dB	LAeq (15 min) Res		<37	<37	<37
NAL 4	Quarterly	EPL	_	0,	45	Evening Pass		Pass	Pass	Pass
settand Suffolk Road, Marul	Qual to 1y	Section L3		36	dB	LAeq (15 min) Res		<36	<36	<36
		1	_	30	ub	Night Pass		Pass	Pass	Pass
		1		47	dB	LA1 (1 min) Res		<47	<47	<47
					l ab	Night Pass	Fail Pass	Pass	Pass	Pass
			-	7,		r ass		1 2.00	111	
			-	77		rass				
						r ass	Comments regarding noise monitoring outcomes			
Comment 1:	The LAeq (Evening a	nd Night) frequen				rass				
Comment 1: Comment 2: Comment 3:	The LAeq (Evening a	nd Night) frequen				r ass				

Bla	ast	Moni	itorina	Resul	ts
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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

B1 Rail	Dec Bleet	EPL Section L4	landarkaita	-	115	dB (Lin Peak)	Over Pressure					
Rail	Per Blast	Section L4	Ignimbrite	-	5	mm/s	Ground Vibration					
B2	B. B. 4	EPL		-	115	dB (Lin Peak)	Over Pressure					
B2 Pipeline	Per Blast	Section L4	Ignimbrite	-	5	mm/s	Ground Vibration					
B3 Resident	B. B. A	EPL Section L4		-	115	dB (Lin Peak)	Over Pressure					
Resident	Per Blast	Section L4	Ignimbrite	-	5	mm/s	Ground Vibration					

Blast Monitoring Results at Granite Pit - 2024

Location	Frequency	Source	Required For:	Lower Limit	Upper Limit	Unit	Description	16 Jan 2024	18 Jan 2024	23 Jan 2024	25 Jan 2024	2 Feb 2024	7 Feb 2024	9 Feb 2024	13 Feb 2024	16 Feb 2024	20 Feb 2024	22 Feb 2024
					115	dB (Lin Peak)	Over	DNT <100db	112.9dbl	DNT <100db								
E7246	Per Blast	EPL	Granite	-	113	db (Liii Feak)	Pressure	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Cameron / Resident	r ei biasi	LFL	Gianne	_	5	mm/s	Ground	DNT <0.5mm/s	0.19mm/s	DNT <0.5mm/s								
					,	111111/3	Vibration	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
				_	115	dB (Lin Peak)	Over	92.7 dbl	100.1dbl	DNT <100db	83.2 dbl	DNT <100db	DNT <100db	86.7dbl	DNT <100db	83.2 db	DNT <100db	DNT <100db
E7245	Per Blast	EPL	Granite		110	db (Eiii i cak)	Pressure	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Lockeyersleigh/Resident	T of Black		O G G G G G G G G G G G G G G G G G G G	_	5	mm/s	Ground	0.71mm/s	1.02mm/s	DNT <0.5mm/s	0.63 mm/s	DNT <0.5mm/s	DNT <0.5mm/s	0.59 mm/s	DNT <0.5mm/s	0.54mm/s	DNT <0.5mm/s	DNT <0.5mm/s
					Ů		Vibration	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
				_	5	mm/s	Ground	0.68mm/s	0.71mm/s	1.30 mm/s	0.69 mm/s	0.81 mm/s	DNT <0.5mm/s	0.55 mm/s	0.70 mm/s	1.11 mm/s	0.73 mm/s	DNT <0.5mm/s
E7244	Per Blast	EPL	Granite		Ů		Vibration	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Rail/Pipeline	1 of Black		O G G G G G G G G G G G G G G G G G G G	_	5	mm/s	Ground	0.68mm/s	0.71mm/s	1.30 mm/s	0.69 mm/s	0.81 mm/s	DNT <0.5mm/s	0.55 mm/s	0.70 mm/s	1.11 mm/s	0.73 mm/s	DNT <0.5mm/s
							Vibration	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

Blast Monitoring Results at Granite Pit - 2024

st Monitoring Results	at Granite Pit - 2024																	
Location	Frequency	Source	Required For:	Lower Limit	Upper Limit	Unit	Description	23 Feb 2024	1 Mar 2024	7 Mar 2024	15 Mar 2024	22 Mar 2024	5 Apr 2024	16 Apr 2024	26 Apr 2024	7 May 2024	10 May 2024	17 May 202
				_	115	dB (Lin Peak)	Over	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100
B4	Per Blast	EPL	Granite		110	db (Eiii i cak)	Pressure	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Resident	r ei biasi	LFL	Granite			mm/s	Ground	DNT < 0.5mm/s	DNT <0.5mm/s	DNT < 0.5m								
				_	3	11111/1/5	Vibration	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
					115	dB (Lin Peak)	Over	DNT <100db	DNT <100db	DNT <100db	102.3 db	DNT <100db	DNT <100db	83.2db	DNT <100db	DNT <100db	DNT <100db	89.2 db
B5	Per Blast	EPL	Granite	-	113	db (Liii Feak)	Pressure	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Resident	r ei biast	LFL	Granite	_	5	mm/s	Ground	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	0.61 mm/s	DNT <0.5mm/s	DNT <0.5mm/s	0.51mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	0.72 mm
				-	3	111111/15	Vibration	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
				_	5	mm/s	Ground	DNT <0.5mm/s	0.98 mm/s	0.57 mm/s	1.33 mm/s	0.46 mm/s	0.87mm/s	1.65 mm/s	0.83 mm/s	2.59 mm/s	0.07mm/s	1.59 mm/
B6	Per Blast	EPL	Granite	-	3	11111/1/5	Vibration	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Rail	r ei biasi	LFL	Granite			mm/s	Ground	DNT <0.5mm/s	0.98 mm/s	0.57 mm/s	1.33 mm/s	0.46 mm/s	0.87mm/s	!.65 mm/s	0.83 mm/s	2.59 mm/s	0.07mm/s	1.59 mm
		1		1	"	11111/5	Vibration	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

Blast Monitoring Results

Ī	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 - 2024 Lower Limit Upper Limit Description 24 My 2024 31 May 2024 7 Jun 2024 18 Jun 2024 21 Jun 2024 28 Jun 2024 DNT <100db DNT <100db DNT <100db DNT <100db | DNT <100db Over Pressure dB (Lin Peak) Pass Pass Per Blast EPL Granite DNT <0.5mm/s 5 mm/s Vibration Pass DNT <100db DNT <100db 83.2 db 91.2 db 83.2 db DNT <100db DNT <100db DNT <100db DNT <100db DNT <100db DNT <100db 115 dB (Lin Peak) Pressure Pass Per Blast Resident DNT <0.5mm/s DNT <0.5mm/s 0.58 mm/s 0.61mm/s 0.64mm/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 Ground 5 mm/s Vibration Pass 1.32 mm/s 1.81 mm/s 0.89 mm/s 1.64 mm/s 1.55 mm/s 1.50 mm/s 0.85 mm/s 1.47 mm/s 0.88 mm/s 1.51 mm/s 1.51 mm/s 5 mm/s Vibration Pass Pass Pass Pass Per Blast EPL Granite

				-	"	mm/s	Vibration	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
	•		•		•	•	•	•								•		
Monitoring Results	at Granite Pit - 2024																	
Location	Frequency	Source	Required For:	Lower Limit	Upper Limit	Unit	Description	19 Jul 2024	26 Jul 2024	2 Aug 2024	9 Aug 2024	20 Aug 2024	6 Sep 2024	13 Sep 2024	18 Sep 2024	20 Sep 2024	25 Sep 2024	27 Sep 20
				_	115	dB (Lin Peak)	Over	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	DNT <10
B4	Per Blast	EPL	Granite			ab (Eiiri daii)	Pressure	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Resident	T OF BIGGS		Ordinio	_	5	mm/s	Ground	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 <0.5r
							Vibration	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
				_	115	dB (Lin Peak)	Over	DNT <100db	91.2 db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	83.2 db	DNT <100db	98.0 db	DNT <100db	DNT <10
B5	Per Blast	FPI	Granite			ab (Eiiri daik)	Pressure	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Resident	i ci biast		Granite		5	mm/s	Ground	DNT <0.5mm/s	0.52 mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	0.55 mm/s	DNT <0.5mm/s	0.62 mm/s	DNT <0.5mm/s	DNT <0.5
						11111113	Vibration	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pas
				_	5	mm/s	Ground	1.42 mm/s	1.47 mm/s	1.42mm/s	1.16 mm/s	1.13 mm/s	0.58 mm/s	1.07 mm/s	DNT <0.5mm/s	0.92 mm/s	DNT <0.5mm/s	0.52 m
B6	Per Blast	FPI	Granite				Vibration	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pas
			O di di into		1			1.42 mm/s	1.47 mm/s	1.42mm/s	1.16 mm/s	1.13 mm/s	0.58 mm/s	1.07 mm/s	DNT < 0.5mm/s	0.92 mm/s	DNT <0.5mm/s	0.52 m
Rail				_	5	mm/s	Ground											
Rail				-	5	mm/s	Ground Vibration	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	
· .				-	5	mm/s												
Monitoring Results	at Granite Pit - 2024				5		Vibration	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pas
· .	at Granite Pit - 2024 Frequency	Source	Required For:		5 Upper Limit	mm/s Unit	Vibration Description	Pass 4 Oct 2024	Pass 11 Oct 2024	Pass 15 Oct 2024	Pass 18 Oct 2024	Pass 25 Oct 2024	Pass 30 Oct 2024	Pass 1 Nov 2024	Pass 8 Nov 2024	Pass 12 Nov 2024	Pass 22 Nov 2024	Pass 26 Nov
Monitoring Results		Source	Required For:		Upper Limit		Vibration Description Over	Pass 4 Oct 2024 DNT <100db	Pass 11 Oct 2024 DNT <100db	Pass 15 Oct 2024 DNT <100db	Pass 18 Oct 2024 DNT <100db	Pass 25 Oct 2024 DNT <100db	Pass 30 Oct 2024 DNT <100db	Pass 1 Nov 2024 DNT <100db	Pass 8 Nov 2024 DNT <100db	Pass 12 Nov 2024 DNT <100db	Pass 22 Nov 2024 DNT <100db	Pas 26 Nov DNT <1
Monitoring Results Location		Source	Required For:			Unit	Vibration Description	Pass 4 Oct 2024 DNT <100db Pass	Pass 11 Oct 2024 DNT <100db Pass	Pass 15 Oct 2024 DNT <100db Pass	Pass 18 Oct 2024 DNT <100db Pass	Pass 25 Oct 2024 DNT <100db Pass	Pass 30 Oct 2024 DNT <100db Pass	Pass 1 Nov 2024 DNT <100db Pass	Pass 8 Nov 2024 DNT <100db Pass	Pass 12 Nov 2024 DNT <100db Pass	Pass 22 Nov 2024 DNT <100db Pass	26 Nov DNT <1
Monitoring Results Location	Frequency					Unit	Vibration Description Over Pressure Ground	Pass 4 Oct 2024 DNT <100db Pass DNT <0.5mm/s	Pass 11 Oct 2024 DNT <100db Pass DNT <0.5mm/s	Pass 15 Oct 2024 DNT <100db Pass DNT <0.5mm/s	Pass 18 Oct 2024 DNT <100db Pass DNT <0.5mm/s	Pass 25 Oct 2024 DNT <100db Pass DNT <0.5mm/s	Pass 30 Oct 2024 DNT <100db Pass DNT <0.5mm/s	Pass 1 Nov 2024 DNT <100db Pass DNT <0.5mm/s	Pass 8 Nov 2024 DNT <100db Pass DNT <0.5mm/s	Pass 12 Nov 2024 DNT <100db Pass DNT <0.5mm/s	Pass 22 Nov 2024 DNT <100db Pass DNT <0.5mm/s	26 Nov DNT <1 Pas DNT <0.9
Monitoring Results Location	Frequency				115	Unit dB (Lin Peak)	Vibration Description Over Pressure	Pass 4 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass	Pass 11 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass	Pass 15 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass	Pass 18 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass	Pass 25 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass	Pass 30 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass	Pass 1 Nov 2024 DNT <100db Pass DNT <0.5mm/s Pass	8 Nov 2024 DNT <100db Pass DNT <0.5mm/s Pass	Pass 12 Nov 2024 DNT <100db Pass DNT <0.5mm/s Pass	Pass 22 Nov 2024 DNT <100db Pass DNT <0.5mm/s Pass	Pas 26 Nov DNT <1 Pas DNT <0.9
Monitoring Results Location	Frequency				115	Unit dB (Lin Peak) mm/s	Description Over Pressure Ground Vibration Over	Pass 4 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db	Pass 11 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db	Pass 15 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db	Pass 18 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db	Pass 25 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db	Pass 30 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db	Pass 1 Nov 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db	Pass 8 Nov 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db	Pass 12 Nov 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db	Pass 22 Nov 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db	26 Nov DNT <1 Pas DNT <0.5 Pas DNT <1
Monitoring Results Location B4 Resident B5	Frequency			Lower Limit	115 5	Unit dB (Lin Peak)	Description Over Pressure Ground Vibration	Pass 4 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass	Pass 11 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass	Pass 15 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass	Pass 18 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass	Pass 25 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass	Pass 30 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass	Pass 1 Nov 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass	Pass 8 Nov 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass	Pass 12 Nov 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass	Pass 22 Nov 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass	26 Nov DNT <1 Pas DNT <0.9 Pas DNT <1 Pas
Monitoring Results Location B4 Resident	Frequency Per Blast	EPL	Granite	Lower Limit	115 5	Unit dB (Lin Peak) mm/s	Vibration Description Over Pressure Ground Vibration Over Pressure Ground	Pass 4 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <10mm/s	Pass 11 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <10mm/s	Pass 15 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <100mm/s	Pass 18 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <100m/s	Pass 25 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <100m/s	Pass 30 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <100db	Pass 1 Nov 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <100mm/s	8 Nov 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <100db	Pass 12 Nov 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <100db	Pass 22 Nov 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <100db Pass DNT <0.5mm/s	Pas 26 Nov DNT <1 Pas DNT <0.9 DNT <1 Pas DNT <1
Monitoring Results Location B4 Resident B5	Frequency Per Blast	EPL	Granite	Lower Limit	115 5	Unit dB (Lin Peak) mm/s dB (Lin Peak)	Description Over Pressure Ground Vibration Over Pressure	A Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <100db Pass DNT <0.5mm/s Pass	Pass 11 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <100mm/s Pass DNT <0.5mm/s	Pass 15 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <0.5mm/s Pass	Pass 18 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <0.5mm/s Pass	Pass 25 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <0.5mm/s Pass	Pass 30 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <0.5mm/s Pass	Pass 1 Nov 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <100db Pass DNT <0.5mm/s	Pass 8 Nov 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <0.5mm/s Pass	Pass 12 Nov 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <10mm/s Pass	Pass 22 Nov 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <0.5mm/s Pass	Pas 26 Nov DNT <1 Pas DNT <0.9 Pas DNT <1 Pas DNT <1 Pas DNT <1 Pas DNT <0.9 Pas
Monitoring Results Location B4 Resident B5	Frequency Per Blast	EPL	Granite	Lower Limit	115 5	Unit dB (Lin Peak) mm/s dB (Lin Peak)	Description Over Pressure Ground Vibration Over Pressure Ground Ground Ground Over	Pass 4 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <100db Pass DNT <10mm/s DNS =0.5mm/s	Pass 11 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <100mm/s DNT <0.5mm/s Pass DNT <0.5mm/s	Pass 15 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <100mm/s Pass DNT <0.5mm/s Pass	Pass 18 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <0.5mm/s Pass 0.54 mm/s	Pass 25 Oct 2024 DNT <100db Pass DNT <100db Pass DNT <100db Pass DNT <0.5mm/s Pass 0.72 mm/s	Pass 30 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <100mm/s Pass DNT <0.5mm/s Pass	Pass 1 Nov 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <100db Pass 0 NT <10.5mm/s	Pass 8 Nov 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <100db Pass ONT <100db Pass ONT <0.5mm/s	Pass 12 Nov 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <100db Pass O.8 mm/s	Pass 22 Nov 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <100mm/s Pass DNT <0.5mm/s	26 Nov DNT <1 Pass DNT <0.9 Pass DNT <1 Pass DNT <1 Pass DNT <0.9 One of the pass DNT <0.9 One of the pass DNT <0.9 One of the pass One of the
Monitoring Results Location B4 Resident B5 Resident	Frequency Per Blast	EPL	Granite	Lower Limit	115 5 115 5	Unit dB (Lin Peak) mm/s dB (Lin Peak) mm/s	Description Over Pressure Ground Vibration Over Pressure Ground Vibration	Pass 4 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <100db Pass DNT <0.5mm/s Pass DNT <0.5mm/s Pass Pass DNT <0.5mm/s	Pass 11 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <0.5mm/s Pass DNT <0.5mm/s Pass DNT <0.5mm/s Pass	Pass 15 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <100db Pass DNT <0.5mm/s Pass DNT <0.5mm/s Pass	Pass 18 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <0.5mm/s Pass O.54 mm/s Pass	Pass 25 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <100db Pass DNT <0.5mm/s Pass 0.72 mm/s Pass	Pass 30 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <0.5mm/s Pass DNT <0.5mm/s Pass DNT <0.5mm/s Pass	Pass 1 Nov 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <0.5mm/s Pass DNT <0.5mm/s Pass 0.54 mm/s Pass 0.64 mm/s Pass	Pass 8 Nov 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <0.5mm/s Pass ONT <0.5mm/s Pass ONT <0.5mm/s Pass	Pass 12 Nov 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <0.5mm/s Pass DNT <0.5mm/s Pass O.08 mm/s Pass	Pass 22 Nov 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <100db Pass DNT <0.5mm/s Pass DNT <0.5mm/s Pass	26 Nov DNT <11 Pass DNT <0.5 Pass DNT <10 Pass DNT <10 Pass 0.10 m Pass
Monitoring Results Location B4 Resident B5 Resident	Per Blast Per Blast	EPL EPL	Granite Granite	Lower Limit	115 5 115 5	Unit dB (Lin Peak) mm/s dB (Lin Peak) mm/s	Description Over Pressure Ground Vibration Over Pressure Ground Ground Ground Over	Pass 4 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <100db Pass DNT <10mm/s DNS =0.5mm/s	Pass 11 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <100mm/s DNT <0.5mm/s Pass DNT <0.5mm/s	Pass 15 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <100mm/s Pass DNT <0.5mm/s Pass	Pass 18 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <0.5mm/s Pass 0.54 mm/s	Pass 25 Oct 2024 DNT <100db Pass DNT <100db Pass DNT <100db Pass DNT <0.5mm/s Pass 0.72 mm/s	Pass 30 Oct 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <100mm/s Pass DNT <0.5mm/s Pass	Pass 1 Nov 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <100db Pass 0 NT <10.5mm/s	Pass 8 Nov 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <100db Pass ONT <100db Pass ONT <0.5mm/s	Pass 12 Nov 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <100db Pass O.8 mm/s	Pass 22 Nov 2024 DNT <100db Pass DNT <0.5mm/s Pass DNT <100db Pass DNT <100mm/s Pass DNT <0.5mm/s	26 Nov 2 DNT <10 Pass DNT <0.5 Pass DNT <0.5 Pass DNT <0.6 Pass 0.10 mm Pass 0.10 mm

Rlast	Monit	orina l	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 - 2024															
Location	Frequency	Source	Required For:	Lower Limit	Upper Limit	Unit	Description	29 Nov 2024	6 Dec 2024	13 Dec 2024	18 Dec 2024				
	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	Over Pressure	DNT <100db	DNT <100db	DNT <100db	DNT <100db				
B4								Pass	Pass	Pass	Pass				
Resident				-	5	mm/s	Ground Vibration	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s				
								Pass	Pass	Pass	Pass				
	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	Over Pressure	83.2 DBL	DNT <100db	DNT <100db	DNT <100db				
B5 Resident								Pass	Pass	Pass	Pass				
Resident				-	5	mm/s	Ground Vibration	0.53 mms	DNT <0.5mm/s	DNT <0.5mm/s	DNT <0.5mm/s				
								Pass	Pass	Pass	Pass				
	Per Blast	EPL	Granite	-	5	mm/s	Ground Vibration	0.69 mm/s	DNT <0.5mm/s	0.10 mm/s	DNT <0.5mm/s				
B6 Rail								Pass	Pass	Pass	Pass				
Rail				-	5	mm/s	Ground Vibration	0.69 mm/s	DNT <0.5mm/s	0.10 mm/s	DNT <0.5mm/s				
								Pass	Pass	Pass	Pass				