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, 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	Particulate Matter < 10 µm (PM10)

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Result (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
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:	
Comment 2:	
Comment 3:	

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description
HVAS2	24hr average (every 6 days)	EPL	-	50	µg/m3	Particulate Matter < 10 µm (PM10)

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Result (Mean)	11.0	6.2	8.5	9.5	6.4	4.4	10.3	6.4	16.6	11.4	14.0	19.1
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:	
Comment 2:	
Comment 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	EPL Section P1	-	4	mg/m2/month	Insoluble Solids	Result	1.4	0.8	1.1	0.5	11	2	0.4	0.2	0.3	0.4	1.6	0.7
							Pass / Fail	Pass	Pass	Pass	Pass	Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass
DD 8	Monthly	EPL Section P1	-	4	mg/m2/month	Insoluble Solids	Result	3.3	1	0.6	0.5	4.4	0.8	0.3	0.2	0.6	0.3	0.9	2.4
							Pass / Fail	Pass	Pass	Pass	Pass	Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass
DD11	Monthly	EPL Section P1	-	4	mg/m2/month	Insoluble Solids	Result	1.8	0.9	0.4	1.3	0.4	1	0.5	0.3	0.3	0.6	0.5	0.5
							Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
DD12	Monthly	EPL Section P1	-	4	mg/m2/month	Insoluble Solids	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
							Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
DD13	Monthly	EPL Section P1	-	4	mg/m2/month	Insoluble Solids	Result	2.2	0.1	4	0.8	0.5	0.1	0.4	0.3	0.3	0.5	0.9	2.1
							Pass / Fail	Pass	Pass	Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	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 afteroon/same day the funnel was found broken after the visit by Mohsen, which might be due to the storm. Rambol rplaced the funnel on the 19th Feb.
Comment 3:	#REF!

Noise Monitoring Results

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description		Q1 Sample Date	Q2 Sample Date	Q3 Sample Date	Q4 Sample Date
NAL 1 1114 Carrick Rd, Marulan (L1)	Quarterly	EPL Section L3	-	35	dB	LAeq (15 min) Day	Result	<35	<35	<35	<35
							Pass / Fail	Pass	Pass	Pass	Pass
			-	35	dB	LAeq (15 min) Evening	Result	<35	<35	<35	<35
							Pass / Fail	Pass	Pass	Pass	Pass
			-	35	dB	LAeq (15 min) Night	Result	<35	<35	<35	<35
							Pass / Fail	Pass	Pass	Pass	Pass
			-	45	dB	LA1 (1 min) Night	Result	<45	<45	<45	<45
							Pass / Fail	Pass	Pass	Pass	Pass

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description		Q1 Sample Date	Q2 Sample Date	Q3 Sample Date	Q4 Sample Date
NAL 2 End of Maclura Dr, Marulan (L6)	Quarterly	EPL Section L3	-	35	dB	LAeq (15 min) Day	Result	<35	<35	<35	<35
							Pass / Fail	Pass	Pass	Pass	Pass
			-	37	dB	LAeq (15 min) Evening	Result	<37	<37	<37	<37
							Pass / Fail	Pass	Pass	Pass	Pass
			-	36	dB	LAeq (15 min) Night	Result	<36	<36	<36	<36
							Pass / Fail	Pass	Pass	Pass	Pass
			-	46	dB	LA1 (1 min) Night	Result	<46	<46	<46	<46
							Pass / Fail	Pass	Pass	Pass	Pass

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description		Q1 Sample Date	Q2 Sample Date	Q3 Sample Date	Q4 Sample Date
NAL 3 undary, 16038 Hume Highway, M	Quarterly	EPL Section L3	-	35	dB	LAeq (15 min) Day	Result	<35	<35	<35	<35
							Pass / Fail	Pass	Pass	Pass	Pass
			-	35	dB	LAeq (15 min) Evening	Result	<35	<35	<35	<35
							Pass / Fail	Pass	Pass	Pass	Pass
			-	35	dB	LAeq (15 min) Night	Result	<35	<35	<35	<35
							Pass / Fail	Pass	Pass	Pass	Pass
			-	47	dB	LA1 (1 min) Night	Result		<47	<47	<47
							Pass / Fail	Pass	Pass	Pass	Pass

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description		Q1 Sample Date	Q2 Sample Date	Q3 Sample Date	Q4 Sample Date
NAL 4 f Dorsettand Suffolk Road, Marul	Quarterly	EPL Section L3	-	37	dB	LAeq (15 min) Day	Result	<37	<37	<37	<37
							Pass / Fail	Pass	Pass	Pass	Pass
			-	37	dB	LAeq (15 min) Evening	Result	<37	<37	<37	<37
							Pass / Fail	Pass	Pass	Pass	Pass
			-	36	dB	LAeq (15 min) Night	Result	<36	<36	<36	<36
							Pass / Fail	Pass	Pass	Pass	Pass
			-	47	dB	LA1 (1 min) Night	Result	<47	<47	<47	<47
							Pass / Fail	Pass	Pass	Pass	Pass

Comments regarding noise monitoring outcomes	
Comment 1:	The LAeq (Evening and Night) frequency assessment is annual.
Comment 2:	
Comment 3:	

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 Ignimbrite Pit - WOY 2024

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

B1 Rail	Per Blast	EPL Section L4	Ignimbrite	-	115	dB (Lin Peak)	Over Pressure											
				-	5	mm/s	Ground Vibration											
B2 Pipeline	Per Blast	EPL Section L4	Ignimbrite	-	115	dB (Lin Peak)	Over Pressure											
				-	5	mm/s	Ground Vibration											
B3 Resident	Per Blast	EPL Section L4	Ignimbrite	-	115	dB (Lin Peak)	Over Pressure											
				-	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
E7246 Cameron / Resident	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	Over Pressure	DNT <100db	112.9dbl	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
				-	5	mm/s	Ground Vibration	DNT <0.5mm/s	0.19mm/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
E7245 Lockeyersleigh/Resident	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	Over Pressure	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
								Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
				-	5	mm/s	Ground Vibration	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
								Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
E7244 Rail/Pipeline	Per Blast	EPL	Granite	-	5	mm/s	Ground Vibration	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
								Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
				-	5	mm/s	Ground Vibration	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
								Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

Blast 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 2024
B4 Resident	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	Over Pressure	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
				-	5	mm/s	Ground Vibration	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
B5 Resident	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	Over Pressure	DNT <100db	DNT <100db	DNT <100db	102.3 db	DNT <100db	DNT <100db	83.2db	DNT <100db	DNT <100db	DNT <100db	89.2 db
								Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
				-	5	mm/s	Ground Vibration	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/s
								Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
B6 Rail	Per Blast	EPL	Granite	-	5	mm/s	Ground Vibration	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/s
								Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
				-	5	mm/s	Ground Vibration	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/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 - 2024

Location	Frequency	Source	Required For:	Lower Limit	Upper Limit	Unit	Description	24 My 2024	31 May 2024	7 Jun 2024	18 Jun 2024	21 Jun 2024	25 Jun 2024	28 Jun 2024	3 Jul 2024	5 Jul 2024	9 Jul 2024	12 Jul 2024
B4 Resident	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	Over Pressure	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
				-	5	mm/s	Ground Vibration	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
B5 Resident	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	Over Pressure	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
								Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
				-	5	mm/s	Ground Vibration	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
								Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
B6 Rail	Per Blast	EPL	Granite	-	5	mm/s	Ground Vibration	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
								Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
				-	5	mm/s	Ground	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	Pass	Pass	Pass	Pass	Pass	Pass	Pass

Blast 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 2024
B4 Resident	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	Over Pressure	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
				-	5	mm/s	Ground Vibration	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
B5 Resident	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	Over Pressure	DNT <100db	91.2 db	DNT <100db	DNT <100db	DNT <100db	DNT <100db	83.2 db	DNT <100db	98.0 db	DNT <100db	DNT <100db
								Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
				-	5	mm/s	Ground Vibration	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 <0.5mm/s
								Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
B6 Rail	Per Blast	EPL	Granite	-	5	mm/s	Ground Vibration	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 mm/s
								Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
				-	5	mm/s	Ground Vibration	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 mm/s
								Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

Blast Monitoring Results at Granite Pit - 2024

Location	Frequency	Source	Required For:	Lower Limit	Upper Limit	Unit	Description	4 Oct 2024	11 Oct 2024	15 Oct 2024	18 Oct 2024	25 Oct 2024	30 Oct 2024	1 Nov 2024	8 Nov 2024	12 Nov 2024	22 Nov 2024	26 Nov 2024
B4 Resident	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	Over Pressure	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
				-	5	mm/s	Ground Vibration	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
B5 Resident	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	Over Pressure	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
				-	5	mm/s	Ground Vibration	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
B6 Rail	Per Blast	EPL	Granite	-	5	mm/s	Ground Vibration	0.89 mm/s	DNT <0.5mm/s	DNT <0.5mm/s	0.54 mm/s	0.72 mm/s	DNT <0.5mm/s	0.64 mm/s	0.08 mm/s	0.08 mm/s	DNT <0.5mm/s	0.10 mm/s
								Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
				-	5	mm/s	Ground Vibration	0.89 mm/s	DNT <0.5mm/s	DNT <0.5mm/s	0.54 mm/s	0.72 mm/s	DNT <0.5mm/s	0.64 mm/s	0.08 mm/s	0.08 mm/s	DNT <0.5mm/s	0.10 mm/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 - 2024

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