



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

Facility Address	278 Stoney Creek Road, Marulan, NSW, 2579
Link to EPL on Public Register	<a href="https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=12939&amp;id=12939&amp;option=licence&amp;searchrange=licence&amp;range=POEO%20licence&amp;prp=no&amp;status=Issued">https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=12939&amp;id=12939&amp;option=licence&amp;searchrange=licence&amp;range=POEO%20licence&amp;prp=no&amp;status=Issued</a>
Date Dataset Updated	Monday, November 30, 2020
Date Dataset Published	Friday, December 4, 2020

**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)	4.9	30.3	8.8	14.6	4.8	5.4	3.0	3.0	7.3	5.6	9.5	11.2
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:	3rd, 15th, 21st - Did not run - issue with date reset. Ecotech advised of a known issue with software with solution pending. Advised to change date to 2019.											
Comment 2:	27/1 - Machine found open & paper had blown away											
Comment 3:	9/2 - Station was found flat( no electricity connected) no reading.											

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)	No result	36.6	7.5	22.8	7.2	8.1	6.8	6.5	9.6	8.1	11.8	11.2
Pass / Fail	-	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Comments regarding Hi Volume monitoring outcomes at HVAS 1												
Comment 1:	9/1 - Machine not running											
Comment 2:	28/1 - Machine failure to run due to computer error											
Comment 3:												

0.85

**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	7.4	1.6	0.9	2.6	0.4	0.4	0.9	0.4	0.8	0.3	2.1	3.3
							Pass / Fail	Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
DD 8	Monthly	EPL Section P1	-	4	mg/m2/month	Insoluble Solids	Result	6.1	4.1	0.7	1.5	0.4	0.4	0.7	0.8	0.6	0.9	1.9	1.1
							Pass / Fail	Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
DD11	Monthly	EPL Section P1	-	4	mg/m2/month	Insoluble Solids	Result	5.8	2.9	1	3.1	0.9	0.9	0.3	0.5	0.4	1.9	3.6	3.0
							Pass / Fail	Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
DD12	Monthly	EPL Section P1	-	4	mg/m2/month	Insoluble Solids	Result	6.2	4.4	0.8	1.8	0.6	0.6	0.9	0.1	0.3	0.3	1.1	1.3
							Pass / Fail	Fail	Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
DD13	Monthly	EPL Section P1	-	4	mg/m2/month	Insoluble Solids	Result	7	2.8	0.8	8.9	0.4	2.1	0.4	0.5	0.7	1	2.8	4.2
							Pass / Fail	Fail	Pass	Pass	Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

Comments regarding deposition monitoring outcomes																		
Comment 1:																		
Comment 2:																		
Comment 3:																		

## 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 Carrick Rd, Mar	Quarterly	EPL Section L3	-	35	dB	LAeq (15 min) Day	Result	32	30	30	33
						Pass / Fail	Pass	Pass	Pass		
			-	35	dB	LAeq (15 min) Evening	Result	30			
						Pass / Fail	Pass				
			-	35	dB	LAeq (15 min) Night	Result			35	
						Pass / Fail			Pass		
			-	45	dB	LA1 (1 min) Night	Result				
						Pass / Fail					

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description		Q1 Sample Date	Q2 Sample Date	Q3 Sample Date	Q4 Sample Date
NAL 2 f Maclura Dr, Ma	Quarterly	EPL Section L3	-	35	dB	LAeq (15 min) Day	Result	30	30	30	35
						Pass / Fail	Pass	Pass	Pass		
			-	35	dB	LAeq (15 min) Evening	Result	30			
						Pass / Fail	Pass				
			-	35	dB	LAeq (15 min) Night	Result			35	
						Pass / Fail			Pass		
			-	45	dB	LA1 (1 min) Night	Result				
						Pass / Fail					

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description		Q1 Sample Date	Q2 Sample Date	Q3 Sample Date	Q4 Sample Date
NAL 3 ry, 16038 Hume	Quarterly	EPL Section L3	-	35	dB	LAeq (15 min) Day	Result	35	35	35	34
						Pass / Fail	Pass	Pass	Pass		
			-	35	dB	LAeq (15 min) Evening	Result	32			
						Pass / Fail	Pass				
			-	35	dB	LAeq (15 min) Night	Result			35	
						Pass / Fail			Pass		
			-	45	dB	LA1 (1 min) Night	Result				
						Pass / Fail					

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description		Q1 Sample Date	Q2 Sample Date	Q3 Sample Date	Q4 Sample Date
NAL 4 settand Suffolk F	Quarterly	EPL Section L3	-	35	dB	LAeq (15 min) Day	Result	30	35	30	35
						Pass / Fail	Pass	Pass	Pass		
			-	37	dB	LAeq (15 min) Evening	Result	30			
						Pass / Fail	Pass				
			-	35	dB	LAeq (15 min) Night	Result			30	
						Pass / Fail			Pass		
			-	46	dB	LA1 (1 min) Night	Result				
						Pass / Fail					

Comments regarding noise monitoring outcomes

Comment 1:	
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 Granite Pit - November 2020**

								3/11/2020	5/11/2020	10/11/2020	17/11/2020	19/11/2020	24/11/2020	26/11/2020					
Location	Frequency	Source	Required For:	Lower Limit	Upper Limit	Unit	Description												
B4 Resident	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	Over Pressure	DNT<100DBL	DNT<100DBL	DNT<100DBL	DNT<100DBL	DNT<100DBL	DNT<100DBL	DNT<100DBL	DNT<100DBL	DNT<100DBL			
				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			
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass						
B5 Resident	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	Over Pressure	82.1DBL	DNT<100DBL	DNT<100DBL	DNT<100DBL	82.1DBL	82.1DBL	82.1DBL	DNT<100DBL				
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass							
				-	5	mm/s	Ground Vibration	0.82mm/s	DNT<0.5mm/s	DNT<0.5mm/s	DNT<0.5mm/s	0.58mm/s	0.73mm/s	0.54mm/s	DNT<0.5mm/s				
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass							
B6 Rail	Per Blast	EPL	Granite	-	5	mm/s	Ground Vibration	0.89mm/s	0.54mm/s	0.77mm/s	1.26mm/s	0.94mm/s	0.91mm/s	0.91mm/s	DNT<0.5mm/s				
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass							
				-	5	mm/s	Ground Vibration	0.89mm/s	0.54mm/s	0.77mm/s	1.26mm/s	0.94mm/s	0.91mm/s	0.91mm/s	DNT<0.5mm/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 - December 2020**

								1/12/2020	3/12/2020	8/12/2020	15/12/2020	17/12/2020	22/12/2020						
Location	Frequency	Source	Required For:	Lower Limit	Upper Limit	Unit	Description												
B4 Resident	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	Over Pressure	DNT<100DBL	DNT<100DBL	DNT<100DBL	DNT<100DBL	DNT<100DBL	DNT<100DBL	DNT<100DBL	DNT<100DBL				
				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				
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass							
B5 Resident	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	Over Pressure	DNT<100DBL	DNT<100DBL	DNT<100DBL	DNT<100DBL	DNT<100DBL	DNT<100DBL	DNT<100DBL	DNT<100DBL				
				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				
				Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass							
B6 Rail	Per Blast	EPL	Granite	-	5	mm/s	Ground Vibration	DNT<0.5mm/s	1.38mm/s	0.73mm/s	.063mm/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							
				-	5	mm/s	Ground Vibration	DNT<0.5mm/s	1.38mm/s	0.73mm/s	0.63mm/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							

**Comments regarding blast monitoring outcomes**

Comment 1:	
Comment 2:	
Comment 3:	