



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	
Date Dataset Published	Wednesday, 25 October 2023

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)	10.1	13.5	10.9	17.8	6.3	3.5	5.4	4.5	19.6	13.8	19.7	10.2
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:												
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)	11.2	28.0	10.3	9.8	14.2	5.3	10.5	10.5	12.7	6.8	13.0	9.6
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:	*24/2/2023* Earth work and construction on HVAS2 - The land owner built a shed which required topsoil stripping in the area. He had top dressed the lawn near the monitor to build new shed.											
Comment 3:												

0.3

Air Quality Monitoring - Deposition Results

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
							05/01/2023	06/02/2023	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	
DD 5	Monthly	EPL Section P1	-	4	mg/m2/month	Insoluble Solids	Result	1.2	0.3	0.5	0.6	3.7	1.8	0.1	0.2	0.4	0.4	0.5	0.6
							Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
DD 8	Monthly	EPL Section P1	-	4	mg/m2/month	Insoluble Solids	Result	0.2	0.3	0.4	0.5	1.1	0.5	0.2	0.5	0.6	0.4	1.1	1.8
							Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
DD11	Monthly	EPL Section P1	-	4	mg/m2/month	Insoluble Solids	Result	0.6	0.3	1	0.5	0.1	0.8	0.1	0.2	0.2	1	0.2	1
							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	0.3	0.2	0.5	0.2	0.3	0.3	0.2	0.1	0.2	0.5	0.3	0.5
							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	0.7	1.4	0.8	0.5	0.1	0.2	0.1	0.6	0.6	0.8	0.8	3.1
							Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

Comments regarding deposition monitoring outcomes

Comment 1:	
Comment 2:	
Comment 3:	#REF!

Noise Monitoring Results

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

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

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Q1		Q2		Q3		Q4	
							Sample Date	Result	Sample Date	Result	Sample Date	Result	Sample Date	Result
NAL 3 Boundary, 16038 Hume Highway, M	Quarterly	EPL Section L3	-	35	dB	LAeq (15 min) Day	Result	<35	Result	<35	Result	<35	Result	<35
							Pass / Fail	Pass	Pass / Fail	Pass	Pass / Fail	Pass		
			-	35	dB	LAeq (15 min) Evening	Result	<35	Result	<35	Result	<35	Result	<35
							Pass / Fail	Pass	Pass / Fail	Pass	Pass / Fail	Pass		
			-	35	dB	LAeq (15 min) Night	Result	<35	Result	<35	Result	<35	Result	<35
							Pass / Fail	Pass	Pass / Fail	Pass	Pass / Fail	Pass		
			-	47	dB	LA1 (1 min) Night	Result	41	Result	<47	Result	<47	Result	<47
							Pass / Fail	Pass	Pass / Fail	Pass	Pass / Fail	Pass		

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Q1		Q2		Q3		Q4	
							Sample Date	Result	Sample Date	Result	Sample Date	Result	Sample Date	Result
NAL 4 Dorsettand Suffolk Road, Marulan	Quarterly	EPL Section L3	-	37	dB	LAeq (15 min) Day	Result	<37	Result	<37	Result	<37	Result	<37
							Pass / Fail	Pass	Pass / Fail	Pass	Pass / Fail	Pass		
			-	37	dB	LAeq (15 min) Evening	Result	<37	Result	<37	Result	<37	Result	<37
							Pass / Fail	Pass	Pass / Fail	Pass	Pass / Fail	Pass		
			-	36	dB	LAeq (15 min) Night	Result	<36	Result	<36	Result	<36	Result	<36
							Pass / Fail	Pass	Pass / Fail	Pass	Pass / Fail	Pass		
			-	47	dB	LA1 (1 min) Night	Result	<47	Result	<47	Result	<47	Result	<47
							Pass / Fail	Pass	Pass / Fail	Pass	Pass / Fail	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 2023

Location	Frequency	Source	Required For:	Lower Limit	Upper Limit	Unit	Description	31 Jan 2023	18 Apr 2023
				-	115	dB (L in Peak)	Over	DNT <100db	DNT <100db

Resident	Per blast	EPL	Granite	-	5	mm/s	Ground Vibration												
B6 Rail	Per Blast	EPL	Granite	-	5	mm/s	Ground Vibration												
				-	5	mm/s	Ground Vibration												

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 2023

Location	Frequency	Source	Required For:	Lower Limit	Upper Limit	Unit	Description												
B4 Resident	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	Over Pressure												
				-	5	mm/s	Ground Vibration												
B5 Resident	Per Blast	EPL	Granite	-	115	dB (Lin Peak)	Over Pressure												
				-	5	mm/s	Ground Vibration												
B6 Rail	Per Blast	EPL	Granite	-	5	mm/s	Ground Vibration												
				-	5	mm/s	Ground Vibration												

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