

Pollution Monitoring Data - Holcim Dubbo Quarry (EPL Number 2212)



Facility Address	Dubbo Quarry, Sheraton Road, Dubbo, NSW, 2830
Licence Details	Link to EPL on Public Register
Date Dataset Updated	Monday, April 15, 2024
Date Dataset Published	Monday, April 15, 2024
Licence Reporting Period	May to April (Annually)

Blast Monitoring Results - 2023

Location	Frequency	Source	Upper Limit	Unit	Description	171						
West of Front Gate	Per Blast	EPL Section L3	115	dB (Lin Peak)	Over Pressure	21/02/2024						
						104.3						
			5	mm/s	Ground Vibration	Within Criteria						
						1.472						

Location	Frequency	Source	Upper Limit	Unit	Description						
West of Front Gate	Per Blast	EPL Section L3	115	dB (Lin Peak)	Over Pressure						
			5	mm/s	Ground Vibration						

Comments regarding blast monitoring outcomes	
Comment 1:	DNT = "Did Not Trigger" with overpressure monitoring equipment set at a trigger point of 90 dBa or ground vibration monitoring equipment set at a trigger point of 0.1 mm/s
Comment 2:	

Annual Blast Monitoring Results - 2023

Annual Overpressure Monitoring Requirements - Maximum Overpressure

Overpressure High Range Requirement:	Source	Criteria	Outcome
The airblast overpressure level from blasting operations in or on the premises must not exceed 120 dB (Lin Peak) at any time.	EPL Clause L3.1	Blast Count (YTD)	1
		Blasts with overpressure >120dB during the reporting period	0
		Annual Overpressure (Pass / Fail)	Within Criteria

Annual Overpressure Monitoring Requirements - Overpressure High Range

Overpressure High Range Requirement:	Source	Criteria	Outcome
The airblast overpressure level from blasting operations in or on the premises must not exceed 115 dB (Lin Peak) for more than 5% of the total number of blasts during each reporting period.	EPL Clause L3.1	Blast Count (YTD)	1
		Blasts with overpressure >115dB during the reporting period	0
		% of blasts with overpressure >115dB during the reporting period	0%
		Annual Overpressure (Pass / Fail)	Within Criteria

Annual Ground Vibration Monitoring Requirements - Maximum Ground Vibration

Overpressure High Range Requirement:	Source	Criteria	Outcome
The ground vibration peak particle velocity from blasting operations carried out in or on the premises must not exceed 10 mm/s at any time.	EPL Clause L3.2	Blast Count (YTD)	1
		Blasts with ground vibration >10 mm/s during the reporting period	0
		Annual Ground Vibration (Pass / Fail)	Within Criteria

Annual Ground Vibration Monitoring Requirements - Ground Vibration High Range

Overpressure High Range Requirement:	Source	Criteria	Outcome
The ground vibration peak particle velocity from blasting operations carried out in or on the premises must not exceed 5mm/s for more than 5% of the total number of blasts carried out on the premises during each reporting period.	EPL Clause L3.2	Blast Count (YTD)	1
		Blasts with ground vibration >5mm/s during the reporting period	0
		% of blasts with ground vibration >5mm/s during the reporting period	0%
		Annual Ground Vibration (Pass / Fail)	Within Criteria

Blast Monitoring Results - 2023

Location	Frequency	Source	Upper Limit	Unit	Description	161	162	163	164	165	166
						31/01/2023	31/03/2023	20/04/2023	20/04/2023	29/05/2023	19/07/2023
West of Front Gate	Per Blast	EPL Section L3	115	dB (Lin Peak)	Over Pressure	97.4	111.4	103.3	105.6	109.1	102.3
						Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria
			5	mm/s	Ground Vibration	0.83	1.64	1.77	1.35	0.94	1.23
						Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria

Location	Frequency	Source	Upper Limit	Unit	Description	167	168	169	170
						01/09/2023	Did Not Perform	07/11/2023	08/12/2023
West of Front Gate	Per Blast	EPL Section L3	115	dB (Lin Peak)	Over Pressure	104.5	0	107.5	105.4
						Within Criteria	Within Criteria	Within Criteria	Within Criteria
			5	mm/s	Ground Vibration	1.17	0	2.22	2.058
						Within Criteria	Within Criteria	Within Criteria	Within Criteria

Comments regarding blast monitoring outcomes

Comment 1:	DNT = "Did Not Trigger" with overpressure monitoring equipment set at a trigger point of 90 dBA or ground vibration monitoring equipment set at a trigger point of 0.1 mm/s
Comment 2:	Did Not Perform = Monitoring equipment was set up for the blast but failed and did not record over pressure or ground vibration values.

Annual Blast Monitoring Results - 2023

Annual Overpressure Monitoring Requirements - Maximum Overpressure

Overpressure High Range Requirement:	Source	Criteria	Outcome
The airblast overpressure level from blasting operations in or on the premises must not exceed 120 dB (Lin Peak) at any time.	EPL Clause L3.1	Blast Count (YTD)	10
		Blasts with overpressure >120dB during the reporting period	0
		Annual Overpressure (Pass / Fail)	Within Criteria

Annual Overpressure Monitoring Requirements - Overpressure High Range

Overpressure High Range Requirement:	Source	Criteria	Outcome
The airblast overpressure level from blasting operations in or on the premises must not exceed 115 dB (Lin Peak) for more than 5% of the total number of blasts during each reporting period.	EPL Clause L3.1	Blast Count (YTD)	10
		Blasts with overpressure >115dB during the reporting period	0
		% of blasts with overpressure >115dB during the reporting period	0%
		Annual Overpressure (Pass / Fail)	Within Criteria

Annual Ground Vibration Monitoring Requirements - Maximum Ground Vibration

Overpressure High Range Requirement:	Source	Criteria	Outcome
The ground vibration peak particle velocity from blasting operations carried out in or on the premises must not exceed 10 mm/s at any time.	EPL Clause L3.2	Blast Count (YTD)	10
		Blasts with ground vibration >10 mm/s during the reporting period	0
		Annual Ground Vibration (Pass / Fail)	Within Criteria

Annual Ground Vibration Monitoring Requirements - Ground Vibration High Range

Overpressure High Range Requirement:	Source	Criteria	Outcome
The ground vibration peak particle velocity from blasting operations carried out in or on the premises must not exceed 5mm/s for more than 5% of the total number of blasts carried out on the premises during each reporting period.	EPL Clause L3.2	Blast Count (YTD)	10
		Blasts with ground vibration >5mm/s during the reporting period	0
		% of blasts with ground vibration >5mm/s during the reporting period	0%
		Annual Ground Vibration (Pass / Fail)	Within Criteria

Blast Monitoring Results - 2022

Blast Monitoring - 2022

Location	Frequency	Source	Upper Limit	Unit	Description	153	154	155	156	157	158
						02/10/2022	04/05/2022	05/03/2022			
West of Front Gate	Per Blast	EPL Section L3	115	dB (Lin Peak)	Over Pressure	100.2	111.6	104.8			
						Within Criteria	Within Criteria	Within Criteria			
West of Front Gate	Per Blast	EPL Section L3	5	mm/s	Ground Vibration	1.92	1.45	3.26			
						Within Criteria	Within Criteria	Within Criteria			

Location	Frequency	Source	Upper Limit	Unit	Description	159	160
West of Front Gate	Per Blast	EPL Section L3	115	dB (Lin Peak)	Over Pressure		
West of Front Gate	Per Blast	EPL Section L3	5	mm/s	Ground Vibration		

Annual Blast Monitoring Results

Annual Overpressure Monitoring Requirements - Maximum Overpressure

Overpressure High Range Requirement:	Source	Criteria	Outcome
The airblast overpressure level from blasting operations in or on the premises must not exceed 120 dB (Lin Peak) at any time.	EPL Clause L3.1	Blast Count (YTD)	3
		Blasts with overpressure >120dB during the reporting period	0
		Annual Overpressure (Pass / Fail)	Within Criteria

Annual Overpressure Monitoring Requirements - Overpressure High Range

Overpressure High Range Requirement:	Source	Criteria	Outcome
The airblast overpressure level from blasting operations in or on the premises must not exceed 115 dB (Lin Peak) for more than 5% of the total number of blasts during each reporting period.	EPL Clause L3.1	Blast Count (YTD)	3
		Blasts with overpressure >115dB during the reporting period	0
		% of blasts with overpressure >115dB during the reporting period	0%
		Annual Overpressure (Pass / Fail)	Within Criteria

Annual Ground Vibration Monitoring Requirements - Maximum Ground Vibration

Overpressure High Range Requirement:	Source	Criteria	Outcome
The ground vibration peak particle velocity from blasting operations carried out in or on the premises must not exceed 10 mm/s at any time.	EPL Clause L3.2	Blast Count (YTD)	3
		Blasts with ground vibration >10 mm/s during the reporting period	0
		Annual Ground Vibration (Pass / Fail)	Within Criteria

Annual Ground Vibration Monitoring Requirements - Ground Vibration High Range

Overpressure High Range Requirement:	Source	Criteria	Outcome
The ground vibration peak particle velocity from blasting operations carried out in or on the premises must not exceed 5mm/s for more than 5% of the total number of blasts carried out on the premises during each reporting period.	EPL Clause L3.2	Blast Count (YTD)	3
		Blasts with ground vibration >5mm/s during the reporting period	0
		% of blasts with ground vibration >5mm/s during the reporting period	0%
		Annual Ground Vibration (Pass / Fail)	Within Criteria