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	Wednesday, January 15, 2025
Date Dataset Published	Wednesday, January 15, 2025
Licence Reporting Period	May to April (Annually)

Blast Monitoring Results - 2024

						171	172	173	174	175	Testing
Location	Frequency	Source	Upper Limit	Unit	Description	21 Feb 2024	26 Apr 2024	13 May 2024	01 Jul 2024	01 Aug 2024	11 Sept 2024
			115	dD (Lin Dools)	Over Pressure	104.3	109.8	105.4	109.9	111.4	98.18
West of	Per Blast	EPL	115	dB (Lin Peak)	Over Pressure	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria
Front Gate	Per biast	Section L3	5		Ground Vibration	1.472	4.96	1.27	2.62	2	1.02
			5	mm/s		Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria
Location	Fraguency	Source	Upper Limit	Unit	Description	176					
Location	Frequency	Source	Upper Limit	Unit	Description	176 10 Oct 2024					
Location	Frequency	Source			·						
Location West of		EPL	Upper Limit	Unit dB (Lin Peak)	Description Over Pressure	10 Oct 2024					
	Frequency Per Blast				·	10 Oct 2024 104.2					

Comments regar	rding 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:	Blast monitor recorded exceedence of ground vibration, Contractor analyzing data has found some reasoning behind result outside of vibration, such as monitor location and ground conditions at monitor location.

Annual Blast Monitoring Results - 2024

Annual Overpressure Monitoring Requirements - Maximum Overpressure

Overpressure High Range Requirement:	Source	Criteria	Outcome
		Blast Count (YTD)	6
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	Blasts with overpressure >120dB during the reporting period	0
premises must not exceed 120 db (Lin Feak) at any time.		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.		Blast Count (YTD)	6
	EPL Clause L3.1	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		Blast Count (YTD)	6
	EPL Clause L3.2	Blasts with ground vibration >10 mm/s during the reporting period	0
time.		Annual Ground Vibration (Pass / Fail)	Within Criteria

Annual Ground Vibration Monitoring Requirements - Ground Vibration High Range

Overpressure High Range Requirement:	Source	Criteria	Outcome
		Blast Count (YTD)	6
The ground vibration peak particle velocity from blasting operations carried out in or on the premises must not exceed 5mm/s for more	EPI Clause I 3.2	Blasts with ground vibration >5mm/s during the reporting period	
than 5% of the total number of blasts carried out on the premises during each reporting period.	EFL Glause L3.2	% of blasts with ground vibration >5mm/s during the reporting period	0%
3 . 3.		Annual Ground Vibration (Pass / Fail)	Within Criteria

Blast Monitoring Results - 2023

Location	Frequency	Source	Upper Limit	Unit	Description	161	162	163	164	165	166
Location			Opper Lillin			31 Jan 2023	31 Mar 2023	20 Apr 2023	20 Apr 2023	29 May 2023	19 Jul 2023
	Day Blood	EPL Section L3	115	dB (Lin Peak)	Over Pressure	97.4	111.4	103.3	105.6	109.1	102.3
West of						Within Criteria					
Front Gate	Per Blast		5	mm/s	Ground Vibration	0.83	1.64	1.77	1.35	0.94	1.23
						Within Criteria					

Location	F		11122	Unit Description	Description	167	168	169	170
Location	Frequency	Source	Upper Limit		01 Sep 2023	Did Not Perform	07 Nov 2023	08 Dec 2023	
		Blast EPL Section L3	115	dD (Lin Dook)	Over Bressure	104.5	0	107.5	105.4
West of	Per Blast		115	dB (Lin Peak)	Over Pressure	Within Criteria	Within Criteria	Within Criteria	Within Criteria
Front Gate	Per biast		_	mm/s	Ground Vibration	1.17	0	2.22	2.058
			5			Within Criteria	Within Criteria	Within Criteria	Within Criteria

Comments	regarding	hlast	monitoring	outcomes
Comments	regarding	DIASI	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.		Blast Count (YTD)	10
	EPL Clause L3.1	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
		Blast Count (YTD)	10
The airblast overpressure level from blasting operations in or on the	EPL Clause L3.1	Blasts with overpressure >115dB during the reporting period	0
premises must not exceed 115 dB (Lin Peak) for more than 5% of the total number of blasts during each reporting period.		% 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.		Blast Count (YTD)	10
	EPL Clause L3.2	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.		Blast Count (YTD)	10
	EPL Clause L3.2	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

	F	C	Hanna I imit	11-24	Description	153	154	155		
Location	Frequency	Source	Upper Limit	Unit	Description	02 Oct 2022	04 May 2022	05 Mar 2022		
			115	15 (1) 5 (1)		100.2	111.6	104.8		
West of	Des Bleet	EPL	115	dB (Lin Peak)	Over Pressure	Within Criteria	Within Criteria	Within Criteria		
Front Gate	Per Blast	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					
Location	rrequericy	Jource	Opper Limit	Onit	Description					
	Per Blast	Blast EPL Section L3	115 EPL	dB (Lin Peak)	Over Pressure					
West of				,	m/s Ground Vibration					
West of Front Gate	Per Blast		5							

Annual Blast Monitoring Results

Aimual Overpressure monitoring Requirements - maximum Overpressure					
	Overpressure High Range Requirement:	Source	Criteria	Outcome	
		EPL Clause L3.1	Blast Count (YTD)	3	
	The airblast overpressure level from blasting operations in or on the premises must not exceed120 dB (Lin Peak) at any time.		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.		Blast Count (YTD)	3
	EPL Clause L3.1	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)	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.		Blast Count (YTD)	3
	EPL Clause L3.2	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