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



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

Blast Monitoring Results - 2023

Location	Frequency	Source	Upper Limit	Unit	Description	171			
Location	rrequericy	Source	Opper Lillin	Oill	Description	21/02/2024			
			115	dD (Lin Dools)	Over Pressure	104.3			
West of	Per Blast	EPL	115	dB (Lin Peak)	Over Pressure	Within Criteria			
Front Gate	Per biast	Section L3	-		Crown d Vibration	1.472			
			5	mm/s	Ground Vibration	Within Criteria			
Location	Frequency	Source	Upper Limit	Unit	Description				
Location	rrequericy	Source	Opper Lillin						
			115	dD (Lin Dools)	Over Pressure				
West of	Des Bleet	EPL	115	dB (Lin Peak)	Over Pressure				
West of	Per Blast	Section L3	_	,					
West of Front Gate			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

Overpressure High Range Requirement:	Source	Criteria	Outcome
		Blast Count (YTD)	1
The airblast overpressure level from blasting operations in or on the premises must not exceed120 dB (Lin Peak) at any time.	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)	1
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.	EPL Clause Ls. I	% 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		Blast Count (YTD)	1
carried out in or on the premises must not exceed 10 mm/s at any	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)	1
The ground vibration peak particle velocity from blasting operations carried out in or on the premises must not exceed 5mm/s for more	FPL Clause L3.2	Blasts with ground vibration >5mm/s during the reporting period	0
than 5% of the total number of blasts carried out on the premises during each reporting period.	EPL Clause L3.2	% 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
Location	rrequency	Source	Opper Lillin	Oill	Description	31/01/2023	31/03/2023	20/04/2023	20/04/2023	29/05/2023	19/07/2023
			115	dB (Lin Peak)	Over Pressure	97.4	111.4	103.3	105.6	109.1	102.3
West of	Day Diget	EPL Section L3	115			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	Frequency Source Upper Limit Unit		Description	167	168	169	170		
Location	Frequency	Source	Opper Limit	Unit	Description	01/09/2023	Did Not Perform 07/11/2023 08/12/2023 0 107.5 105.4 Within Criteria Within Criteria Within Criteria		
	Dec Blood	EPL	115	dB (Lin Peak)	Over Pressure	104.5	0	107.5	105.4
West of						Within Criteria	Within Criteria	Within Criteria	Within Criteria
Front Gate	Per Blast	Section L3	-		Crown d Vibration	1.17	0	2.22	2.058
			5	mm/s	Ground Vibration	Within Criteria	Within Criteria	Within Criteria	Within Criteria

Comments regar	ding 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 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
1		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
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)	10
	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.		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

Blast	Monit	torina	- 2022

1	Location Freque	F	Source	Upper Limit	Unit Description	Description	153	154	155	156	157	158
Loca		riequelicy	Source			02/10/2022	04/05/2022	05/03/2022				
			EPI	115 EPL	dB (Lin Peak)	Over Pressure	100.2	111.6	104.8			
Wes	st of	Per Blast					Within Criteria	Within Criteria	Within Criteria			
Front	t Gate			-	mm/s	Ground Vibration	1.92	1.45	3.26			
				5 mm/s	mm/s		Within Criteria	Within Criteria	Within Criteria			

Location	Frequency	Source	Upper Limit	Unit	Description	159	160
Location	ricquency			Oille	Description		
		115	dB (Lin Peak)	Over Pressure			
West of		EPL Section L3		, ,			
Front Gate			5	mm/s	Ground Vibration		
		υ	11111/5	Ground Vibration			

Annual Blast Monitoring Results

Annual Overpressure Monitoring Requirements - Maximum Overpressure

	Overpressure High Range Requirement:	Source	Criteria	Outcome
			Blast Count (YTD)	3
	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
			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.		Blast Count (YTD)	3
	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)	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