



Pollution Monitoring Data - Holcim Jandra Quarry (EPL Number 2796)

Facility Address	Pacific Highway, Possum Brush, NSW 2430
Link to EPL on Public Register	https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=2796&id=2796&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued
Date Dataset Updated	
Date Dataset Published	Wednesday, 5 November 2025

2025 Results

Air Quality Monitoring - Hi Volume Sampler Results

Note(s)	DNT = Did Not Trigger
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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 2025	Feb 2025	Mar 2025	Apr 2025	May 2025	Jun 2025	Jul 2025	Aug 2025	Sep 2025	Oct 2025	Nov 2025	Dec 2025
Result (Mean)	15.4	15.6	14.9	14.5	9.3	6.3	7.5	5.9	10.1	16.5	14.7	#DIV/0!
Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	#DIV/0!
Comments regarding Hi Volume monitoring outcomes at HVAS 1												
Comment 1:	HiVol machine stopped transmitting data. Sensor found to be broken. Spare parts ordered with 2 month leadtime. Data may be recoverable once machine repaired.											
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 2025	Feb 2025	Mar 2025	Apr 2025	May 2025	Jun 2025	Jul 2025	Aug 2025	Sep 2025	Oct 2025	Nov 2025	Dec 2025
Result (Mean)												
Pass / Fail												
Comments regarding Hi Volume monitoring outcomes at HVAS 1												
Comment 1:												
Comment 2:												
Comment 3:												

Noise Monitoring Results

Source	Location	Location	Lower Limit	Upper Limit	Unit	Description	Q1	Q2	Q3	Q4
EPL Section L4.2	Annual	EPA Point 13 Monitoring Location	-	46	dB	LAeq (15 min) Day	Result			
						Pass / Fail				
			-	44	dB	LAeq (15 min) Morning Shoulder	Result			
						Pass / Fail				
			-	48	dB	LA1 (1 min) Morning Shoulder	Result			
						Pass / Fail				

Source	Location	Location	Lower Limit	Upper Limit	Unit	Description	Q1	Q2	Q3	Q4
EPL Section L4.2	Annual	EPA Point 14 Monitoring Location	-	52	dB	LAeq (15 min) Day	Result			
						Pass / Fail				
			-	50	dB	LAeq (15 min) Morning Shoulder	Result			
						Pass / Fail				
			-	51	dB	LA1 (1 min) Morning Shoulder	Result			
						Pass / Fail				

Source	Location	Location	Lower Limit	Upper Limit	Unit	Description	Q1	Q2	Q3	Q4
EPL Section L4.2	Annual	EPA Point 15 Monitoring Location	-	50	dB	LAeq (15 min) Day	Result			
						Pass / Fail				
			-	51	dB	LAeq (15 min) Morning Shoulder	Result			
						Pass / Fail				
			-	51	dB	LA1 (1 min) Morning Shoulder	Result			
						Pass / Fail				

Source	Location	Location	Lower Limit	Upper Limit	Unit	Description	Q1	Q2	Q3	Q4
EPL Section L4.2	Annual	EPA Point 16 Monitoring Location	-	43	dB	LAeq (15 min) Day	Result			
						Pass / Fail				
			-	48	dB	LAeq (15 min) Morning Shoulder	Result			
						Pass / Fail				
			-	48	dB	LA1 (1 min) Morning Shoulder	Result			
						Pass / Fail				

Source	Location	Location	Lower Limit	Upper Limit	Unit	Description	Q1	Q2	Q3	Q4
EPL Section L4.2	Annual	EPA Point 17 Monitoring Location	-	50	dB	LAeq (15 min) Day	Result			
						Pass / Fail				
			-	46	dB	LAeq (15 min) Morning Shoulder	Result			
						Pass / Fail				
			-	48	dB	LA1 (1 min) Morning Shoulder	Result			
						Pass / Fail				

Comments regarding noise monitoring outcomes	
Comment 1:	Required annually under current EPL conditions
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

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Date	31/01/2025	12/03/2025	12/05/2025	02/06/2025	14/07/2025	27/08/2025	12/09/2025						
EPA Point 2 Receiver Location R2	Per Blast	EPL Section P1.4 Section L5	-	115	dB (Lin Peak)	Over Pressure	Result	104.3	81.9		DNT	102.3	114.0	110.6						
						Ground Vibration	Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass						
			-	5	mm/s	Over Pressure	Result	2.3	2.0	31/12/1899	DNT	31/12/1899	30/12/1899	02/01/1900						
						Ground Vibration	Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass						
EPA Point 3 Receiver Location R4	Per Blast	EPL Section P1.4 Section L5	-	115	dB (Lin Peak)	Over Pressure	Result	111.4	112.0	113.6	100.0	102.0	102.8	112.8						
						Ground Vibration	Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass						
			-	5	mm/s	Over Pressure	Result	0.5	0.1	0.6	0.5	0.3	0.1	0.5						
						Ground Vibration	Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass						

Note:	If the blast did not trigger the monitor enter DNT into the table as the result
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Over Pressure Monitor Trigger Setting	115	dB
Ground Vibration Monitor Trigger Setting	5	mm/s

2024 Results

Air Quality Monitoring - Hi Volume Sampler Results

Note(s)	DNT = Did Not Trigger
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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 2024	Feb 2024	Mar 2024	Apr 2024	May 2024	Jun 2024	Jul 2024	Aug 2024	Sep 2024	Oct 2024	Nov 2024	Dec 2024
Result (Mean)	9.3	9.9	6.4	5.0	1.8	1.0	-	-	12.4	19.0	24.1	16.6
Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Fail	Fail	Pass	Pass	Pass	Pass
Comments regarding HI Volume monitoring outcomes at HVAS 1												
Comment 1:	HiVol machine stopped transmitting data. Sensor found to be broken. Spare parts ordered with 2 month leadtime. Data may be recoverable once machine repaired.											
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 2024	Feb 2024	Mar 2024	Apr 2024	May 2024	Jun 2024	Jul 2024	Aug 2024	Sep 2024	Oct 2024	Nov 2024	Dec 2024
Result (Mean)												
Pass / Fail												
Comments regarding HI Volume monitoring outcomes at HVAS 1												
Comment 1:												
Comment 2:												
Comment 3:												

Air Quality Monitoring - Deposition Results

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Jan 2024 Date	Feb 2024 Date	Mar 2024 Date	Apr 2024 Date	May 2024 Date	Jun 2024 Date	Jul 2024 Date	Aug 2024 Date	Sep 2024 Date	Oct 2024 Date	Nov 2024 Date	Dec 2024 Date
EPA 18 Jandra D1 Northern Boundary	Monthly	EPL Section P1	-	4	mg/m2/month	Insoluble Solids	Result											
							Pass / Fail											
EPA 19 Jandra D2 Southern Boundary	Monthly	EPL Section P1	-	4	mg/m2/month	Insoluble Solids	Result											
							Pass / Fail											
EPA 20 Jandra D3 Eastern Boundary	Monthly	EPL Section P1	-	4	mg/m2/month	Insoluble Solids	Result											
							Pass / Fail											
EPA 21 Jandra D4 Western Boundary	Monthly	EPL Section P1	-	4	mg/m2/month	Insoluble Solids	Result											
							Pass / Fail											
Comments regarding deposition monitoring outcomes																		
Comment 1:	Not required under current EPL																	
Comment 2:																		
Comment 3:																		

Noise Monitoring Results

Source	Location	Location	Lower Limit	Upper Limit	Unit	Description	Q1	Q2	Q3	Q4
EPL Section L4.2	Annual	EPA Point 13 Monitoring Location	-	46	dB	LAeq (15 min) Day	Result			
						Pass / Fail				
			-	44	dB	LAeq (15 min) Morning Shoulder	Result			
						Pass / Fail				
			-	48	dB	LA1 (1 min) Morning Shoulder	Result			
						Pass / Fail				
Source	Location	Location	Lower Limit	Upper Limit	Unit	Description	Q1	Q2	Q3	Q4
EPL Section L4.2	Annual	EPA Point 14 Monitoring Location	-	52	dB	LAeq (15 min) Day	Result	<36		
						Pass / Fail				
			-	50	dB	LAeq (15 min) Morning Shoulder	Result			
						Pass / Fail				
			-	51	dB	LA1 (1 min) Morning Shoulder	Result			
						Pass / Fail				
Source	Location	Location	Lower Limit	Upper Limit	Unit	Description	Q1	Q2	Q3	Q4
EPL Section L4.2	Annual	EPA Point 15 Monitoring Location	-	50	dB	LAeq (15 min) Day	Result	<36		
						Pass / Fail				
			-	51	dB	LAeq (15 min) Morning Shoulder	Result			
						Pass / Fail				
			-	51	dB	LA1 (1 min) Morning Shoulder	Result			
						Pass / Fail				
Source	Location	Location	Lower Limit	Upper Limit	Unit	Description	Q1	Q2	Q3	Q4
EPL Section L4.2	Annual	EPA Point 16 Monitoring Location	-	43	dB	LAeq (15 min) Day	Result	<29		
						Pass / Fail				
			-	48	dB	LAeq (15 min) Morning Shoulder	Result			
						Pass / Fail				
			-	48	dB	LA1 (1 min) Morning Shoulder	Result			
						Pass / Fail				
Source	Location	Location	Lower Limit	Upper Limit	Unit	Description	Q1	Q2	Q3	Q4
EPL Section L4.2	Annual	EPA Point 17 Monitoring Location	-	50	dB	LAeq (15 min) Day	Result	<28		
						Pass / Fail				
			-	46	dB	LAeq (15 min) Morning Shoulder	Result			
						Pass / Fail				
			-	48	dB	LA1 (1 min) Morning Shoulder	Result			
						Pass / Fail				
Comments regarding noise monitoring outcomes										
Comment 1:	Required annually under current EPL conditions									
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																			
Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Date	26/03/2024	19/04/2024	08/05/2024	05/07/2024	30/08/2024	19/09/2024	16/10/2024					
EPA Point 2 Receiver Location R2	Per Blast	EPL Section P1.4 Section L5	-	115	dB (Lin Peak)	Over Pressure	Result	84.0	100.1	102.2	104.2	DNT	100.9	99.7					
							Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass					
			-	5	mm/s	Ground Vibration	Result	1.3	1.4	0.8	1.1								
							Pass / Fail	Pass	Pass	Pass	Pass								
EPA Point 3 Receiver Location R4	Per Blast	EPL Section P1.4 Section L5	-	115	dB (Lin Peak)	Over Pressure	Result	107.4	105.2	112.8	109.5								
							Pass / Fail	Pass	Pass	Pass	Pass								
			-	5	mm/s	Ground Vibration	Result	0.2	0.2	0.2	0.1								
							Pass / Fail	Pass	Pass	Pass	Pass								

Note: If the blast did not trigger the monitor enter DNT into the table as the result

Over Pressure Monitor Trigger Setting	115	dB
Ground Vibration Monitor Trigger Setting	5	mm/s

