



Pollution Monitoring Data - Holcim Albion Park Quarry (EPL Number 122)

Facility Address	Woollybutt Drive, Albion Park Rail NSW 2527
Link to EPL on Public Register	https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=122&id=122&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=issued
Date Dataset Updated	Monday, July 18, 2022
Date Dataset Published	Wednesday, October 25, 2023
Licence Reporting Period	1 May 2022 to 30 April 2023

Air Quality Monitoring - Deposition Results

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Month	May	June	July	August	September	October	November	December	January	February	March	April	
DDM 3 North-Western boundary	Monthly	EPL P1.1	g/m2/month			Insoluble Solids (Raw Data)	Result	0.8	1.0	0.4	0.9	2.6	1.0	0.1	3.1	1.3	0.4	0.8	0.5	
			g/m2/month			Ash	Result	0.1	0.9	0.1	0.1	0.4	0.1	0.1	0.4	0.2	0.1	0.1	0.1	0.1
			g/m2/month			Insoluble Solids (Quarry Contribution - Corrected for Ash)	Result	0.7	0.1	0.3	0.8	2.2	0.9	0.0	2.7	1.1	0.3	0.7	0.4	0.4
DDM 4 Croome Road on boundary of Lot 1 DP 74108	Monthly	EPL P1.1	g/m2/month			Insoluble Solids (Raw Data)	Result	0.8	1.0	0.4	0.3	0.5	0.1	0.1	1.2	4.7	1.2	0.5	0.7	
			g/m2/month			Ash	Result	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.6	0.1	0.1	0.1	
			g/m2/month			Insoluble Solids (Quarry Contribution - Corrected for Ash)	Result	0.6	0.8	0.3	0.2	0.4	0.0	0.0	1.0	4.1	1.1	0.4	0.6	
DDM 5 Kywana homestead	Monthly	EPL P1.1	g/m2/month			Insoluble Solids (Raw Data)	Result	1.6	0.9	0.8	0.2	1.5	0.9	3.4	2.2	3.1	0.3	0.3	0.8	
			g/m2/month			Ash	Result	0.4	0.1	0.1	0.1	0.2	0.1	0.2	0.3	0.4	0.1	0.1	0.1	
			g/m2/month			Insoluble Solids (Quarry Contribution - Corrected for Ash)	Result	1.2	0.8	0.7	0.1	1.3	0.8	3.2	1.9	2.7	0.2	0.2	0.7	
DDM 6 West of office	Monthly	EPL P1.1	g/m2/month			Insoluble Solids (Raw Data)	Result	2.6	1.7	1.7	1.2	1.2	0.4	1.2	4.8	1.2	2.9	0.4	0.7	
			g/m2/month			Ash	Result	0.8	0.1	0.1	0.1	0.1	0.1	0.1	0.6	0.2	0.2	0.1	0.1	
			g/m2/month			Insoluble Solids (Quarry Contribution - Corrected for Ash)	Result	1.8	1.6	1.6	1.1	1.1	0.3	1.1	4.2	1.0	2.7	0.3	0.6	

Comments regarding deposition monitoring outcomes	
Comment 1:	
Comment 2:	
Comment 3:	
Comment 4:	
Comment 5:	
Comment 6:	
Comment 7:	
Comment 8:	

Surface Water Monitoring Results (Event Based Only)

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Event Date	May 2022	June 2022	July 2022	November 2022	November 2022	January 2023	January 2023	January 2023	January 2023	February 2023	March 2023	March 2023			
Licensed Discharge Point 1	Each Discharge Event	EPL Section L2	6.5	8.5	pH	pH	Result		7.8	8.2	8.29		7.9	8.16			8.1	8.2				
							Pass / Fail		Pass	Pass	Pass		Pass	Pass			Pass	Pass				
			-	50	mg/L	Suspended Solids	Result		5	44	9		16	0					39	38		
							Pass / Fail		Pass	Pass	Pass		Pass	Pass			Pass	Pass			Pass	Pass
			-	NV	V = Visible or NV = None Visible	Total Oil & Grease	Result							NV								
							Pass / Fail									Pass						
Licensed Discharge Point 2	Each Discharge Event	EPL Section L2	6.5	8.5	pH	pH	Result	8		7.8	8.15	8.11			8.19	8.19			8.3			
							Pass / Fail	Pass		Pass	Pass	Pass			Pass	Pass					Pass	
			-	50	mg/L	Suspended Solids	Result	24		54	11	16			6	6					22	
							Pass / Fail	Pass		Fail	Pass	NV			Pass	Pass						Pass
			-	NV	V = Visible or NV = None Visible	Total Oil & Grease	Result															
							Pass / Fail														Pass	

Comments regarding deposition monitoring outcomes

Comment 1:	18/11/22 - precoat oil spill, sampled to confirm no oil leaving site
Comment 2:	
Comment 3:	
Comment 4:	
Comment 5:	
Comment 6:	
Comment 7:	
Comment 8:	

Rainfall Monitoring Results

Location	Frequency	Source	Unit	Total Rainfall YTD	1768.0
EPA Point 4	Daily	Gauge	mm		

Month	May 2022	June 2022	July 2022	August 2022	September 2022	October 2022	November 2022	December 2022	January 2023	February 2023	March 2023	April 2023
Total Rainfall (mm)	189.8	1.8	550.6	24.0	121.6	272.0	44.4	47.8	121.4	222.8	113.2	58.6
Rainy Days	20	2	14	10	18	17	7	9	14	13	17	11
Av. Rainfall / Event (mm)	9.5	0.9	39.3	2.4	6.8	16.0	6.3	5.3	8.7	17.1	6.7	5.3
Events >90mm (5 Days)	0	0	2	0	0	0	0	0	0	1	0	0

Blast Monitoring Results

Note

DNT = Did Not Trigger with monitoring equipment set at a trigger point of 108 dB for Over Pressure and 0.3 mm/s for Ground Vibration

Blast Monitoring Results - YTD 2021

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	10 May 2022	19 May 2022	8 Jun 2022	21 Jun 2022	25 Jun 2022	11 Jul 2022	20 Jul 2022	25 Jul 2022	29 Jul 2022	3 Aug 2022	10 Aug 2022	17 Aug 2022	22 Aug 2022
TBA	Per Blast	EPL Section L3	-	115	dB (Lin Peak)	Result	DNT	107.5	DNT	107.1	DNT	DNT	106.1	98.4	113.9	97.8	DNT	103.8	DNT
						Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
			-	5	mm/s	Result	DNT	0.3	DNT	0.29	DNT	DNT	0.29	0.28	2.08	0.4	DNT	0.35	DNT
						Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	29 Aug 2022	7 Sep 2022	14 Sep 2022	21 Sep 2022	6 Oct 2022	24 Oct 2022	2 Nov 2022	16 Nov 2022	29 Nov 2022	6 Dec 2022	19 Dec 2022	23 Jan 2023	7 Feb 2023	
TBA	Per Blast	EPL Section L3	-	115	dB (Lin Peak)	Result	DNT	101.1	89.5	96.3	DNT	DNT	DNT	106.1	DNT	DNT	DNT	DNT	DNT	
						Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
			-	5	mm/s	Result	DNT	0.33	0.28	0.29	DNT	DNT	DNT	0.38	DNT	DNT	DNT	DNT	DNT	DNT
						Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	21 Feb 2023	27 Feb 2023	7 Mar 2023	31 Mar 2023	4 Apr 2023	14 Apr 2023	18 Apr 2023	2 May 2023	11 May 2023	22 May 2023	8 Jun 2023	15 Jun 2023	22 Jun 2023	
TBA	Per Blast	EPL Section L3	-	115	dB (Lin Peak)	Result	DNT	DNT	97.8	DNT	103.8	DNT	DNT	DNT	103.4	DNT	DNT	DNT	100.2	
						Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
			-	5	mm/s	Result	DNT	DNT	0.59	DNT	0.95	DNT	DNT	DNT	DNT	0.47	DNT	DNT	DNT	DNT
						Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	6 Jul 2023	13 Jul 2023	27/7/2023	10 Aug 2023	17 Aug 2023	31 Aug 2023	12 Sep 2023	14 Sep 2023	28 Sep 2023
TBA	Per Blast	EPL Section L3	-	115	dB (Lin Peak)	Result	98.7	DNT	98.7	DNT	DNT	93.7	DNT	101	93.7
						Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	
			-	5	mm/s	Result	0.34	DNT	0.35	DNT	DNT	0.34	DNT	1.09	0.34
						Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass		

Comments regarding deposition monitoring outcomes

8/6/2022	Maxam 2nd monitor - 110.7dB and 0.65mm/s
25/6/2022	Maxam 2nd monitor - 109.2dB and 2.8mm/s
11/7/2022	Orica 2nd Monitor - 104.9dB and 0.51mm/s
21/6/2022	Maxam 2nd monitor - 110.7 dB and 0.65mm/s
14/9/2022	Orica 2nd Monitor - 109.2dB and 1.14mm/s
6/10/2022	Orica 2nd Monitor - 106.5dB and 1.25mm/s
19/12/2022	Orica 2nd Monitor - 106.5dB and 0.62mm/s
7/2/2023	Orica 2nd Monitor - 104.9dB and 0.08mm/s

Annual Blast Monitoring Results (YTD)

Note

Annual blast monitoring outcomes are based on the dataset for the whole reporting period. Results disclosed below represent an incomplete dataset and should be considered as an indicator of year to date performance that is likely to change.

Annual Blast Monitoring - Over Pressure (High Range)	
Blast Count	48
YTD Over Pressure in High Range (115 - 120 dBL)	0
% Over Pressure in High Range (115 - 120 dBL)	0.00%
Annual Over Pressure (Pass / Fail)	TBA

Annual Blast Monitoring - Over Pressure (Maximum Allowable)	
Blast Count	48
YTD Over Pressure Exceeding Maximum Allowable (120 dBL)	0
% Over Pressure Exceeding Maximum Allowable (120 dBL)	0
Annual Over Pressure (Pass / Fail)	TBA

Annual Blast Monitoring - Ground Vibration (High Range)	
Blast Count	
YTD Ground Vibration in High Range (5 - 10 mm/s)	
% Ground Vibration in High Range (5 - 10 mm/s)	
Annual Ground Vibration (Pass / Fail)	TBA

Annual Blast Monitoring - Ground Vibration (Maximum Allowable)	
Blast Count	
YTD Ground Vibration Exceeding Maximum Allowable (10 mm/s)	
% Ground Vibration Exceeding Maximum Allowable (10 mm/s)	
Annual Ground Vibration (Pass / Fail)	TBA