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	Thursday, April 24, 2025
Date Dataset Published	Thursday, April 24, 2025
Licence Reporting Period	May to April (Annually)

Air Quality Monitoring - Deposition Results

Dust Deposition Results - 2023

Location	Frequency	Source	Description	Unit	Jan 2023	Feb 2023	Mar 2023	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023	Oct 2023	Nov 2023	Dec 2023
DDM 3 - North-Western Boundary	Monthly	EPL P1.1	Insoluble Solids (Raw Data)	g/m2/month	1.3	0.4	0.8	0.5	0.2	0.2	0.6	0.3	0.5	0.6	0.8	1.0
			Ash	g/m2/month	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.5	0.5	0.1	0.1
DDM 4 - Croome Road on Boundary of Lot 1 DP 74108	Monthly	EPL P1.1	Insoluble Solids (Raw Data)	g/m2/month	4.7	1.2	0.5	0.7	0.5	0.5	0.3	0.5	0.4	0.5	0.7	4.0
			Ash	g/m2/month	0.6	0.1	0.1	0.1	0.1	0.4	0.2	0.5	0.3	0.4	0.1	0.3
DDM 5 - Kywana Homestead	Monthly	EPL P1.1	Insoluble Solids (Raw Data)	g/m2/month	3.1	0.3	0.3	0.8	1.0	0.8	0.2	0.9	1.2	0.6	1.0	2.4
			Ash	g/m2/month	0.4	0.1	0.1	0.1	0.1	0.6	0.2	0.9	1.1	0.5	0.1	0.1
DDM 6 - West of Office	Monthly	EPL P1.1	Insoluble Solids (Raw Data)	g/m2/month	1.2	2.9	0.4	0.7	1.7	1.4	0.2	1.5	2.6	2.5	1.4	4.9
			Ash	g/m2/month	0.2	0.2	0.1	0.1	0.2	1.2	0.1	1.2	2.5	2.2	0.1	0.3

Dust Deposition Results - 2024

Location	Frequency	Source	Description	Unit	Jan 2024	Feb 2024	Mar 2024	Apr 2024	May 2024	Jun 2024	Jul 2024	Aug 2024	Sep 2024	Oct 2024	Nov 2024	Dec 2024
DDM 3 - North-Western Boundary	Monthly	EPL P1.1	Insoluble Solids (Raw Data)	g/m2/month	1.0	0.7	1.1	2.2	0.4	0.9	0.3	0.6	1.2	1.3	2.6	0.6
			Ash	g/m2/month	0.1	0.1	0.1	0.2	0.1	0.7	0.1	0.1	0.1	0.1	0.1	0.1
DDM 4 - Croome Road on Boundary of Lot 1 DP 74108	Monthly	EPL P1.1	Insoluble Solids (Raw Data)	g/m2/month	4.1	0.9	1.0	1.1	0.9	2.9	0.2	0.5	0.6	0.8	0.9	
			Ash	g/m2/month	0.3	0.1	0.2	0.1	0.1	1.4	0.1	0.1	0.1	0.1	0.1	
DDM 5 - Kywana Homestead	Monthly	EPL P1.1	Insoluble Solids (Raw Data)	g/m2/month	5.5	5.5	1.1	1.8	0.2	0.9	0.4	0.5	0.6	0.5	1.5	0.9
			Ash	g/m2/month	0.4	0.4	0.1	0.1	0.1	0.3	0.2	0.1	0.1	0.1	0.1	0.1
DDM 6 - West of Office	Monthly	EPL P1.1	Insoluble Solids (Raw Data)	g/m2/month	1.6	1.6	1.8	2.7	0.9	1.0	0.3	0.5	0.6	1.7	2.5	1.3
			Ash	g/m2/month	0.1	0.1	0.2	0.1	0.1	0.6	0.1	1.0	0.1	0.1	0.1	0.1

Dust Deposition Results - 2025

Location	Frequency	Source	Description	Unit	Jan 2025	Feb 2025	Mar 2025	Apr 2025	May 2025	Jun 2025	Jul 2025	Aug 2025	Sep 2025	Oct 2025	Nov 2025	Dec 2025
DDM 3 - North-Western Boundary	Monthly	EPL P1.1	Insoluble Solids (Raw Data)	g/m2/month	1.3	2.5	2.5									
			Ash	g/m2/month	0.3	0.2	0.2									
DDM 4 - Croome Road on Boundary of Lot 1 DP 74108	Monthly	EPL P1.1	Insoluble Solids (Raw Data)	g/m2/month	1.4	1.2	1.2									
			Ash	g/m2/month	0.3	0.1	0.1									
DDM 5 - Kywana Homestead	Monthly	EPL P1.1	Insoluble Solids (Raw Data)	g/m2/month	0.7	3.6	4.6									
			Ash	g/m2/month	0.2	0.2	0.3									
DDM 6 - West of Office	Monthly	EPL P1.1	Insoluble Solids (Raw Data)	g/m2/month	2.1	0.9	1.8									
			Ash	g/m2/month	0.3	0.1	0.2									

Surface Water Monitoring Results (Event Based Only)

Results - 2024

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Event Date	8 Jan 2024	29 Feb 2024	20 May 2024	3 Jun 2024	13 Aug 2024	14 Aug 2024	24 Sep 2024	3 Dec 2024				
Licensed Discharge Point 1	Each Discharge Event	EPL Section L2	6.5	8.5	pH	pH	Result						7.9		7.5				
							Pass / Fail						Pass		Pass				
			-	50	mg/L	Suspended Solids	Result						5		7				
							Pass / Fail						Pass		Pass				
			-	NV	V = Visable or NV = None Visable	Total Oil & Grease	Result						NV		NV				
							Pass / Fail						Pass		Pass				
Licensed Discharge Point 2	Each Discharge Event	EPL Section L2	6.5	8.5	pH	pH	Result	8.4	8.2	8.1	8.1	8.3		8.4	8.1				
							Pass / Fail	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**		**Pass**	**Pass**				
			-	50	mg/L	Suspended Solids	Result	6	5	6	5	5		5	8				
							Pass / Fail	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**		**Pass**	**Pass**				
			-	NV	V = Visable or NV = None Visable	Total Oil & Grease	Result	NV	NV	NV	NV	NV		NV	NV				
							Pass / Fail	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**		**Pass**	**Pass**				

Comments regarding deposition monitoring outcomes	
Comment 1:	18th November 2022 - Precoat oil spill - sampled to confrim no oil leaving the site
Comment 2:	No discharge events means that surface water monitoring has not been triggered after 20th April 2023
Comment 3:	
Comment 4:	
Comment 5:	
Comment 6:	
Comment 7:	
Comment 8:	

Results - 2025

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Event Date	6 Jan 2025	16 Jan 2025	7 Feb 2025	5 Mar 2025	31 Mar 2025	31 Mar 2025						
Licensed Discharge Point 1	Each Discharge Event	EPL Section L2	6.5	8.5	pH	pH	Result		7.8			7.9							
							Pass / Fail		Pass			Pass							
			-	50	mg/L	Suspended Solids	Result		14			179							
							Pass / Fail		Pass			Pass							
			-	NV	V = Visable or NV = None Visable	Total Oil & Grease	Result		NV			NV							
							Pass / Fail		Pass			Pass							
Licensed Discharge Point 2	Each Discharge Event	EPL Section L2	6.5	8.5	pH	pH	Result	8.1		8.2	8.3		8.0						
							Pass / Fail	Pass		Pass	Pass		Pass						
			-	50	mg/L	Suspended Solids	Result	0		0	8		4						
							Pass / Fail	Pass		Pass	Pass		Pass						
			-	NV	V = Visable or NV = None Visable	Total Oil & Grease	Result	NV		NV	NV		NV						
							Pass / Fail	Pass		Pass	Pass		Pass						

Comments regarding deposition monitoring outcomes	

Rainfall Monitoring Results

Location	Frequency	Source	Unit
EPA Point 4	Daily	Gauge	mm

Total Rainfall 2023	1768.0

Month	Jan 23	Feb 23	Mar 23	Apr 23	May 23	Jun 23	Jul 23	Aug 23	Sep 23	Oct 23	Nov 23	Dec 23
Total Rainfall (mm)	57.4	71.8	80.8	261.0	296.0	225.0	56.8	27.0	45.8	21.2	122.4	41.6
Rainy Days	12	14	11	11	15	13	11	10	7	9	13	6
Av. Rainfall / Event (mm)	4.8	5.1	7.3	23.7	19.7	17.3	5.2	2.7	6.5	2.4	9.4	6.9
Events >90mm (5 Days)	0	0	0	1	0	1	0	0	0	0	0	0

Location	Frequency	Source	Unit
EPA Point 4	Daily	Gauge	mm

Total Rainfall 2024 (YTD)	314.8

Month	Jan 24	Feb 24	Mar 24	Apr 24	May 24	Jun 24	Jul 24	Aug 24	Sep 24	Oct 24	Nov 24	Dec 24
Total Rainfall (mm)	57.4	71.8	80.8	261.0	296.0	225.0	56.8	27.0	45.8	21.2	122.4	41.6
Rainy Days	12	14	11	11	15	13	11	10	7	9	13	6
Av. Rainfall / Event (mm)	4.8	5.1	7.3	23.7	19.7	17.3	5.2	2.7	6.5	2.4	9.4	6.9
Events >90mm (5 Days)	0	0	0	1	0	1	0	0	0	0	0	0

Location	Frequency	Source	Unit
EPA Point 4	Daily	Gauge	mm

Total Rainfall 2025 (YTD)	314.8

Month	Jan 25	Feb 25	Mar 25	Apr 25	May 25	Jun 25	Jul 25	Aug 25	Sep 25	Oct 25	Nov 25	Dec 25
Total Rainfall (mm)	125.8	41.2	147.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rainy Days	16.0	6.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Av. Rainfall / Event (mm)	7.9	6.9	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Events >90mm (5 Days)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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 - 2023

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	23 Jan 2023	7 Feb 2023	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
TBA	Per Blast	EPL Section L3	-	115	dB (Lin Peak)	Result	DNT	DNT	DNT	DNT	97.8	DNT	103.8	DNT	DNT	DNT	103.4	DNT	DNT
						Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
			-	5	mm/s	Result	DNT	DNT	DNT	DNT	0.59	DNT	0.95	DNT	DNT	DNT	0.47	DNT	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	15 Jun 2023	22 Jun 2023	6 Jul 2023	13 Jul 2023	27 Jul 2023	10 Aug 2023	17 Aug 2023	31 Aug 2023	12 Sep 2023	14 Sep 2023	28 Sep 2023	12 Oct 2023	27 Oct 2023
TBA	Per Blast	EPL Section L3	-	115	dB (Lin Peak)	Result	DNT	100.2	98.7	DNT	98.7	DNT	DNT	93.7	DNT	101	93.7	102.2	92.7
						Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
			-	5	mm/s	Result	DNT	0.36	0.34	DNT	0.35	DNT	DNT	0.34	DNT	1.09	0.34	0.61	0.9
						Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	9 Nov 2023	7 Dec 2023	14 Dec 2023
TBA	Per Blast	EPL Section L3	-	115	dB (Lin Peak)	Result	96.2	DNT	96.9
						Pass / Fail	Pass	Pass	Pass
			-	5	mm/s	Result	0.72	DNT	0.43
						Pass / Fail	Pass	Pass	Pass

Blast Monitoring Results - 2024

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	18 Jan 2024	27 Jan 2024	27 Mar 2024	12 Apr 2024	9 May 2024	4 Jul 2024	8 Aug 2024	26 Aug 2024	12 Sep 2024	10 Oct 2024	24 Oct 2024	30 Oct 2024	14 Nov 2024
TBA	Per Blast	EPL Section L3	-	115	dB (Lin Peak)	Result	94.6	99.7	96.9	98.7	90.2	DNT	DNT	DNT	DNT	DNT	DNT	DNT	DNT
						Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
			-	5	mm/s	Result	0.42	0.75	1.48	0.6	0.48	DNT	DNT	DNT	DNT	DNT	DNT	DNT	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	28 Nov 2024	5 Dec 2024	12 Dec 2024
TBA	Per Blast	EPL Section L3	-	115	dB (Lin Peak)	Result	DNT	DNT	DNT
						Pass / Fail	Pass	Pass	Pass
			-	5	mm/s	Result	DNT	DNT	DNT
						Pass / Fail	Pass	Pass	Pass

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description
TBA	Per Blast	EPL Section L3	-	115	dB (Lin Peak)	Result
						Pass / Fail
			-	5	mm/s	Result
						Pass / Fail

Blast Monitoring Results - 2025

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	16 Jan 2025	13 Feb 2025	27 Feb 2025	13 Mar 2025	27 Mar 2025	10 Apr 2025	1 May 2025
TBA	Per Blast	EPL Section L3	-	115	dB (Lin Peak)	Result	DNT	DNT	DNT	DNT	DNT	DNT	
						Pass / Fail	Meets Criteria	Meets Criteria	Meets Criteria	Meets Criteria	Meets Criteria	Meets Criteria	
			-	5	mm/s	Result	DNT	DNT	DNT	DNT	DNT	DNT	
						Pass / Fail	Meets Criteria	Meets Criteria	Meets Criteria	Meets Criteria	Meets Criteria	Meets Criteria	

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description
TBA	Per Blast	EPL Section L3	-	115	dB (Lin Peak)	Result
						Pass / Fail
			-	5	mm/s	Result

			-	5	mm/s	Pass / Fail													

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description													
TBA	Per Blast	EPL Section L3	-	115	dB (Lin Peak)	Result													
						Pass / Fail													
			-	5	mm/s	Result													
						Pass / Fail													