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⦥=POEO%20licence&prp=no&status=Issued
Date Dataset Updated	Wednesday, January 22, 2025
Date Dataset Published	Wednesday, January 22, 2025
Licence Reporting Period	May to April (Annually)

Air Quality Monitoring - Deposition Results

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 0 North Mandaux Basedona	Mandala		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
DDM 3 - North-Western Boundary	Monthly	EPL P1.1	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	Manthly	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
Boundary of Lot 1 DP 74108	Monthly	EPL PI.I	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 - Konser Hammeder d	Manufalla		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
DDM 5 - Kywana Homestead	Monthly	EPL P1.1	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
			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
DDM 6 - West of Office	Monthly	EPL P1.1	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
DDIVI 5 - Nortin-Western Boundary	wontiny	CPL PI.I	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	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	
Boundary of Lot 1 DP 74108	wontiny		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
DDM 5 - Kywana Homesteau	wontiny	CPL PI.I	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
DDM 8 - West of Office	wonuny		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

Lo	ocation	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
				Insoluble Solids (Raw Data)	g/m2/month												
DDM 3 - North-W	Western Boundary	Monthly	EPL P1.1	Ash	g/m2/month												
DDM 4 - Croome	o Road on			Insoluble Solids (Raw Data)	g/m2/month												
Boundary of Lot		Monthly	EPL P1.1	Ash	g/m2/month												
				Insoluble Solids (Raw Data)	g/m2/month												
DDM 5 - Kywana	a Homestead	Monthly	EPL P1.1	Ash	g/m2/month												
				Insoluble Solids (Raw Data)	g/m2/month												
DDM 6 - West of	f Office	Monthly	EPL P1.1	Ash	g/m2/month												

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		
			6.5	8.5	pH	pН	Result						7.9		7.5		
			0.5	0.5	рп	рп	Pass / Fail						Pass		Pass		
Licensed Discharge	Each Discharge	EPL	_	50	mg/L	Suspended	Result						5		7		
Point 1	Event	Section L2	-	50	ilig/L	Solids	Pass / Fail						Pass		Pass		
			_	NV	V = Visable or	Total Oil	Result						NV		NV		
			_		VV = None Visable	& Grease	Pass / Fail						Pass		Pass		
			6.5	8.5	pH	рH	Result	8.4	8.2	8.1	8.1	8.3		8.4	8.1		
			0.5	0.5	pri	pri	Pass / Fail	Pass	Pass	Pass	Pass	Pass		Pass	Pass		
Licensed Discharge Point 2	Each Discharge	EPL	_	50	mg/L	Suspended	Result	6	5	6	5	5		5	8		
Point 2	Event	Section L2	-	50	ilig/L	Solids	Pass / Fail	Pass	Pass	Pass	Pass	Pass		Pass	Pass		
			-	NV	V = Visable or	Total Oil	Result	NV	NV	NV	NV	NV		NV	NV		
					VV = None Visable	& Grease	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								
			0.5	0.5	-11	-11	Result								
			6.5	8.5	рН	рН	Pass / Fail								
Licensed Discharge	Each	EPL		50		Suspended	Result								
Point 1	Discharge Event	Section L2	-	50	mg/L	Solids	Pass / Fail								
			_	NV	V = Visable or V = None Visable	Total Oil & Grease	Result								
			-	INV.	NV = None Visable	& Grease	Pass / Fail								
			6.5	8.5	pН	рH	Result								
			0.5	0.5	pri	pri	Pass / Fail								
Licensed Discharge	Each Discharge	EPL	-	50	mg/L	Suspended	Result								
Point 2	Event	Section L2	-	50	ilig/L	Solids	Pass / Fail								
			-	NV	V = Visable or	Total Oil	Result								
			_		VV = None Visable	& Grease	Pass / Fail								
	,							Comments regar	rding deposition	monitoring outc	omes				
i i															

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Rainfall Monitoring Results

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Location Frequency	Source	Unit						Total Rai	nfall 2023		176	6.8
EPA Point 4 Daily	Gauge	mm							11an 2020		170	0.0
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					To	tal Rainfal	1 2024 (V		0	.0
EPA Point 4 Daily	Gauge	mm					10		1 2024 (1	<i>D</i>)	0	.0
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
Kalliy Days			7.3	23.7	19.7	17.3	5.2	2.7	6.5	2.4	9.4	6.9
Av. Rainfall / Event (mm)	4.8	5.1	1.3	20.1								
	4.8 0	5.1 0	0	1	0	1	0	0	0	0	0	0
Av. Rainfall / Event (mm)					0	1	0	0	0	0	0	0
Av. Rainfall / Event (mm)					0	1	0	0	0	0	0	0
Av. Rainfall / Event (mm)					0	1						
Av. Rainfall / Event (mm) Events >90mm (5 Days)	0	0			0	1		o tal Rainfal				0 .0
Av. Rainfall / Event (mm) Events >90mm (5 Days) Location Frequency	0 Source	OUnit			0	1						
Av. Rainfall / Event (mm) Events >90mm (5 Days) Location Frequency	0 Source	OUnit			0 May 25	1 Jun 25						
Av. Rainfall / Event (mm) Events >90mm (5 Days) Location Frequency EPA Point 4 Daily	0 Source Gauge	0 Unit mm	0	1			Τοί	tal Rainfal	II 2025 (Y	ſD)	0	.0
Av. Rainfall / Event (mm) Events >90mm (5 Days) Location Frequency EPA Point 4 Daily Month	0 Source Gauge Jan 25	0 Unit mm Feb 25	0 Mar 25	1 Apr 25	May 25	Jun 25	Tot Jul 25	tal Rainfal	II 2025 (Y Sep 25	ГD) Oct 25	0 Nov 25	.0 Dec 25
Av. Rainfall / Event (mm) Events >90mm (5 Days) Location Frequency EPA Point 4 Daily Month Total Rainfall (mm)	0 Source Gauge Jan 25 0.0	0 Unit mm Feb 25 0.0	0 Mar 25 0.0	1 Apr 25 0.0	May 25 0.0	Jun 25 0.0	Tot Jul 25 0.0	Aug 25 0.0	II 2025 (Y Sep 25 0.0	CD) Oct 25 0.0	0 Nov 25 0.0	.0 Dec 25 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 Monitorin	g 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
				115	dB (Lin Peak)	Result	DNT	DNT	DNT	DNT	97.8	DNT	103.8	DNT	DNT	DNT	103.4	DNT	DNT
тва	Per Blast	EPL	-	115	ub (Lill Feak)	Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
IBA	Per Blast	Section L3		-		Result	DNT	DNT	DNT	DNT	0.59	DNT	0.95	DNT	DNT	DNT	0.47	DNT	DNT
			-	5	mm/s	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	dD (Lie Deels)	Result	DNT	100.2	98.7	DNT	98.7	DNT	DNT	93.7	DNT	101	93.7	102.2	92.7	
	TDA			-	115	dB (Lin Peak)	Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
	IDA		Section L3		-		Result	DNT	0.36	0.34	DNT	0.35	DNT	DNT	0.34	DNT	1.09	0.34	0.61	0.9
				-	5	mm/s	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
				115	dD (Lin Dools)	Result	96.2	DNT	96.9
TBA	Per Blast	EPL	-	115	dB (Lin Peak)	Pass / Fail	Pass	Pass	Pass
IDA	Fei Didsi	Section L3		-	mm/s	Result	0.72	DNT	0.43
			-	5	mm/s	Pass / Fail	Pass	Pass	Pass

Blast Monitoring Results - 2024

L	ocation	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
					115	dB (Lin Peak)	Result	94.6	99.7	96.9	98.7	90.2	DNT	DNT	DNT	DNT	DNT	DNT	DNT	DNT
	тра	Per Blast	EPL	-	115	ub (Lin Peak)	Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
	IBA	Per Blast	Section L3		F	mm/s	Result	0.42	0.75	1.48	0.6	0.48	DNT	DNT	DNT	DNT	DNT	DNT	DNT	DNT
				-	5	minvs	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					
				445	dB (Lin Peak)	Result	DNT	DNT	DNT					
TBA Per Blast	5 5 4	EPL	-	115	dB (Lin Peak)	Pass / Fail	Pass	Pass	Pass					
	Per Blast	Section L3	-	-		Result	DNT	DNT	DNT					
Í.				5	mm/s	Pass / Fail	Pass	Pass	Pass					

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description						
				115	dD (Lie De els)	Result					ļ	
TDA	Per Blast	EPL	-	115	dB (Lin Peak)	Pass / Fail						
IBA	Fei bidst	Section L3				Result					ļ	
			-	2	mm/s	Pass / Fail						

Blast Monitoring Results - 2025

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

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description						
				115	dB (Lin Peak)	Result						
тра	Per Blast	EPL	-	115	ub (Lill Peak)	Pass / Fail						
IDA	Per blast	Section L3		F	mm/s	Result						

			-	5	mm/s	Pass / Fail							
Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	 	 	 			 	
				115	dB (Lin Peak)	Result							
тра	TBA Per Blast	EPL	-	115	UB (LIII Peak)	Pass / Fail							
1DA		Section L3		F	mm/a	Result							
			-	5	mm/s	Pass / Fail							