Pollution Monitoring Data - Holcim Boambee Quarry (EPL Number 7094)

Facility Address	Boambee Quarry, North Boambee Road, Boambee NSW 2450
Link to EPL on Public Register	https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=7094&id=7094&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued
Date Dataset Updated	Wednesday, January 22, 2025
Date Dataset Published	Wednesday, January 22, 2025
Reporting Period	01 January 2024 to 31 December 2024

Surface Water Quality - Monitoring Results

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Sample Date	03/01/2024	04/01/2024	05/01/2024	10/01/2024	11/01/2024	12/01/2024	15/01/2024	16/01/2024	17/01/2024	18/01/2024	23/01/2024	25/01/2024
Point 1	Once <24 hours prior to actively emptying the sediment basins Each Discharge Event	EPL 7094 Section L2.4	6.5	8.5	pH	pH	Result	7.1	7.1	7.0	8.3	8.4	8.4	7.3	7.2	6.9	6.4	7.2	7.2
							Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Fail	Pass	Pass
			-	50	Suspended Solids	mg/L	Result	10	5	6	5	5	2	4	34	28	10	2	7
							Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
			-	NV	Total Oil & Grease	V = Visable or NV = None Visable	Result	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
							Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Point 3	Once <24 hours prior to actively emptying the sediment basins Each Discharge Event	EPL 7094 Section L2.4	6.5	8.5	pH	pH	Result	6.7	6.7	6.7	7.0	6.8	6.8	7.1	6.5	6.6	6.7	7.0	6.8
							Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
			-	50	mg/L	Suspended Solids	Result	7	2	9	5	7	6	8	20	11	8	4	6
							Pass / Fail	Pass	Pass	Pass	Pass	Pass	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	NV	NV	NV	NV	NV
							Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Sample Date	30/01/2024	31/01/2024	01/02/2024	08/02/2024	09/02/2024	13/02/2024	14/02/2024	20/02/2024	21/02/2024	22/02/2024	23/02/2024	27/02/2024
Point 1	Once <24 hours prior to actively emptying the sediment basins Each Discharge Event	EPL 7094 Section L2.4	6.5	8.5	pH	pH	Result	8.0	8.0	8.0	8.1	7.9	7.8	7.8	7.9	7.8	6.9	7.9	7.9
							Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
			-	50	Suspended Solids	mg/L	Result	3	5	6	13	7	5	5	6	18	7	7	8
							Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
			-	NV	Total Oil & Grease	V = Visable or NV = None Visable	Result	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
							Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Point 3	Once <24 hours prior to actively emptying the sediment basins Each Discharge Event	EPL 7094 Section L2.4	6.5	8.5	pH	pH	Result	7.1	6.8	6.7		7.3	7.2	7.1	7.0				7.0
							Pass / Fail	Pass	Pass	Pass		Pass	Pass	Pass	Pass				Pass
			-	50	mg/L	Suspended Solids	Result	6	7	7		6	6	5	9				8
							Pass / Fail	Pass	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				NV
							Pass / Fail	Pass	Pass	Pass		Pass	Pass	Pass	Pass				Pass

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Sample Date	28/02/2024	29/02/2024	01/03/2024	15/03/2024	19/03/2024	20/03/2024	21/03/2024	28/03/2024	04/04/2024	05/04/2024	08/04/2024	09/04/2024
Point 1	Once <24 hours prior to actively emptying the sediment basins Each Discharge Event	EPL 7094 Section L2.4	6.5	8.5	pH	pH	Result	8.0	8.0	8.1	7.9	7.9	7.3	7.9	7.1	7.8	7.8	7.8	7.8
							Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
			-	50	Suspended Solids	mg/L	Result	2	6	5	3	3	7	3	4	2	2	9	9
							Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
			-	NV	Total Oil & Grease	V = Visable or NV = None Visable	Result	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
							Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Point 3	Once <24 hours prior to actively emptying the sediment basins Each Discharge Event	EPL 7094 Section L2.4	6.5	8.5	pH	pH	Result	6.9	7.0		7.3	7.2	7.2	7.1	7.1	7.2	7.2	6.9	7.0
							Pass / Fail	Pass	Pass		Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
			-	50	mg/L	Suspended Solids	Result	5	4		6	7	11	15	10	4	4	13	11
							Pass / Fail	Pass	Pass		Pass	Pass	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	NV	NV	NV	NV
							Pass / Fail	Pass	Pass		Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

Comments Regarding Surface Water Quality Monitoring

Comment 1:	**18/01/2024 - False negative pH detected in SB1 following 250mm rain event. Monitoring conducted for due diligence in accordance with EPL**
Comment 2:	**13/08/2024 - High suspended solids detected followng 155mm rain event. Monitoring conducted for due diligence in accordance with EPL. Subsequent tests showed return to under prescribed limit.**
Comment 3:	
Comment 4:	
Comment 5:	
Comment 6:	
Comment 7:	
Comment 8:	
Comment 9:	
Comment 10:	
Comment 11:	
Comment 12:	

Rainfall Monitoring Results

Location	Location
Frequency	**Frequency**
Source	**Weather link Met station**
Unit	**mm**

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**
Total Rainfall (mm)	388.2	202.6	171.0	273.4	169.4	73.6	62.0	190.6	284.6	101.2	178.6	101.2
Rainy Days	24	14	19	17	14	7	15	9	7	13	18	10
Av. Rainfall / Event (mm)	16.2	14.5	9.0	16.1	12.1	10.5	4.1	21.2	40.7	7.8	9.9	10.1
Events >75mm (5 Days)	5	2	1	9	5	0	0	5	4	2	0	5

Total Rainfall (mm) (YTD)
2196.4

Blast Monitoring Results

Note(s)	DNT = Did Not Trigger for over pressure with monitoring equipment set at a trigger point of 90 dB and/or for ground vibration with monitoring equipment set at a trigger point of 0.5 mm/s

Blast Monitoring Results - YTD

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Blast Date	23 Jan 2024	26 Feb 2024	15 Apr 2024	27 May 2024	30 Jul 2024	10 Sep 2024	1 Oct 2024	1 Nov 2024	5 Dec 2024	6 Dec 2024		
In or on Premises	Per Blast	EPL 7094 Section L7	-	115	dB (Lin Peak)	Over Pressure	Result	100.7	99.9	100.7	105.5	106.5	105.2	102.7	102.1	108.4			
							Pass/Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass			
			-	5	mm/s	Ground Vibration	Result	0.48	1.53	0.52	1.68	0.74	1.16	0.55	1.75	0.91			
							Pass/Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass			

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	10
YTD Over Pressure in High Range (115 - 120 dBL)	0
% Over Pressure in High Range (115 - 120 dBL)	0%
Annual Over Pressure (Pass / Fail)	**Pass**

Annual Blast Monitoring - Ground Vibration (High Range)	
Blast Count	10
YTD Ground Vibration in High Range (5 - 10 mm/s)	0
% Ground Vibration in High Range (5 - 10 mm/s)	0%
Annual Ground Vibration (Pass / Fail)	**Pass**

Annual Blast Monitoring - Over Pressure (Maximum Allowable)	
Blast Count	10
YTD Over Pressure Exceeding Maximum Allowable (120 dBL)	0
% Over Pressure Exceeding Maximum Allowable (120 dBL)	0%
Annual Over Pressure (Pass / Fail)	**Pass**

Annual Blast Monitoring - Ground Vibration (Maximum Allowable)	
Blast Count	10
YTD Ground Vibration Exceeding Maximum Allowable (10 mm/s)	0
% Ground Vibration Exceeding Maximum Allowable (10 mm/s)	0%
Annual Ground Vibration (Pass / Fail)	**Pass**

Air Quality Monitoring - Deposition Results

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	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
							Sample Date	12/01/2024	12/02/2024	13/03/2024	10/04/2024	10/05/2024	11/06/2024	12/07/2024	12/08/2024	10/09/2024	11/10/2024	11/11/2024	12/12/2024
D1 Farmhouse	Monthly	EPP Consent 10826 Clause 11	-	4	g/m2/month	Total Insoluable Matter	Result	2	1.4	0.6	0.6	0.8	0.1	0.1	0.4		0.4	1.3	1
							Pass / Fail	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**		**Pass**	**Pass**	**Pass**
			-	n/a		Combustible Material	Result	1.9	1.4	0.5	0.5	0.7	0.1	0.1	0.4		0.4	1.3	1
						Ash Content	Result	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		0.1	0.1	0.1
D2 Paddock	Monthly	EPP Consent 10826 Clause 11	-	4	g/m2/month	Total Insoluable Matter	Result	1	0.8	0.8	0.9	1.9	0.4	1	0.3	0.5	0.3	0.8	0.7
							Pass / Fail	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**
			-	n/a		Combustible Material	Result	1	0.8	0.7	0.7	7.8	0.1	0.9	0.3	0.5	0.3	0.8	0.7
						Ash Content	Result	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
D3 Dutton	Monthly	EPP Consent 10826 Clause 11	-	4	g/m2/month	Total Insoluable Matter	Result	0.9	1.5	0.5	0.9	0.5	0.1	0.1	0.4	1.1	0.3	3.2	1.8
							Pass / Fail	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**
			-	n/a		Combustible Material	Result	0.9	1.5	0.4	0.8	0.4	0.1	0.1	0.4	1.1	0.2	3.1	1.8
						Ash Content	Result	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
D5 Packing Shed	Monthly	EPP Consent 10826 Clause 11	-	4	g/m2/month	Total Insoluable Matter	Result	0.5	0.8	0.9	0.4	0.6	0.1	0.3	0.6	0.5	0.2	1.8	
							Pass / Fail	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	
			-	n/a		Combustible Material	Result	0.5	0.8	0.8	0.3	0.6	0.1	0.2	0.5	0.4	0.2	1.8	
						Ash Content	Result	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
D7 Paddock E	Monthly	EPP Consent 10826 Clause 11	-	4	g/m2/month	Total Insoluable Matter	Result	1.3	1.2	1.2	0.5	0.8	0.1	0.6	0.3	2.5		1.6	1
							Pass / Fail	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**		**Pass**	**Pass**
			-	n/a		Combustible Material	Result	1.2	1.2	1.1	0.4	0.7	0.1	0.5	0.2	2.4		1.6	1
						Ash Content	Result	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		0.1	0.1