



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	Monday, December 6, 2021
Date Dataset Published	Thursday, December 9, 2021
Reporting Period	1st May 2020 onwards

Surface Water Quality - Monitoring Results

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Sample Date	January 2020	February 2020	February 2020	April 2020	June 2020	July 2020	September 2020	November 2020	December 2020	January 2021	January 2021		
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	7.2		7.2	7.4		7.3	7.6	7.7		7.1			
							Pass / Fail	Pass		Pass	Pass		Pass	Pass	Pass		Pass			
			-	50	mg/L	Suspended Solids	Result	23		4	4		35	6	18		2			
							Pass / Fail	Pass		Pass	Pass		Pass	Pass	Pass		Pass			
			-	NV	V = Visible or NV = None Visible	Total Oil & Grease	Result	NV		NV	NV		NV	NV	NV		NV			
							Pass / Fail	Pass		Pass	Pass		Pass	Pass	Pass		Pass			

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Sample Date	January 2020	February 2020	February 2020	April 2020	June 2020	July 2020	September 2020	November 2020	December 2020	11/01/2021	January 2021	
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	6.6	7.5	7.4	7.1		7.4		7.1	7.8	
							Pass / Fail		Pass	Pass	Pass	Pass		Pass		Pass		Pass	Pass
			-	50	mg/L	Suspended Solids	Result		4	21	34	2	5			3		6	2
							Pass / Fail		Pass	Pass	Pass	Pass			Pass		Pass	Pass	
			-	NV	V = Visible or NV = None Visible	Total Oil & Grease	Result		NV	NV	NV	NV	NV			NV		NV	NV
							Pass / Fail		Pass	Pass	Pass	Pass			Pass		Pass	Pass	

Comments regarding noise monitoring outcomes

Comment 1:	
Comment 2:	
Comment 3:	

Rainfall Monitoring Results

Location	Frequency	Source	Unit	Total Rainfall YTD
	Daily	Gauge	mm	1326.1

Month	January 2020	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	October 2020	November 2020	December 2020
Total Rainfall (mm)	24.4	132.1	61.2	28.2	95.4	178.6	38.2	589.2	203.2			
Rainy Days	18.0	15.0	17.0	12.0	12.0	18.0	10.0	25.0	11.0			
Av. Rainfall / Event (mm)	1.4	8.8	3.6	2.4	8.0	9.9	3.8	23.6	18.5	0.0	0.0	0.0
Events >90mm (5 Days)												

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	08/05/2020	29/06/2020	25/08/2020	26/10/2020	11/11/2020	14/12/2020	01/02/2021	25/03/2021	03/06/2021	13/07/2021	27/09/2021				
Per Blast	EPL 7094 Section L7		-	115	dB (Lin Peak)	Over Pressure	Result	103.7	102.4	100.6	0	106.9	101.9	102	99.5	104.3	105.1	106.3	100.8			
							Pass/Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	
			-	5	mm/s	Ground Vibration	Result	0.51	0.77	1.78	0	2.83	1.63	2.54	1.44	2.15	0.41	0.81	1.38			
							Pass/Fail	Pass	Pass	Pass	Pass	Pass	Pass	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	12
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 - Over Pressure (Maximum Allowable)	
Blast Count	12
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 (High Range)	
Blast Count	12
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 - Ground Vibration (Maximum Allowable)	
Blast Count	12
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 Sample Date	January 2021	February 2021	March 2021	April 2021	May 2021	June 2021	July 2021	August 2021	September 2021	October 2021	November 2021	December 2021
								D1 Farmhouse	Monthly	PP Consent 1082 Clause 11	-	4	g/m2/month	Total Insoluble Matter	Result	0.5	1.4	1.2	1.3
					Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass		Pass	Pass				
					Combustible Material	Result	0.4	1.3	10	1.2	0.8	0.2		1.6	0.7				
					Ash Content	Result	0.1	0.1	1	0.1	0.1	0.2		1.4	0.1				
D2 Paddock	Monthly	PP Consent 1082 Clause 11	-	4	g/m2/month	Total Insoluble Matter	Result	0.5	3	0.2	0.6	0.9	0.4	0.4	1.1				
						Pass / Fail	Fail	Fail	Fail	Fail	Fail	Fail	Fail	Fail	Fail				
						Combustible Material	Result	0.4	2.7	10	0.6	0.8	0.2	0.3	0.9				
						Ash Content	Result	0.1	0.3	1	0.1	0.2	0.2	0.1	0.2				
D3 Dutton	Monthly	PP Consent 1082 Clause 11	-	4	g/m2/month	Total Insoluble Matter	Result	0.5	1.8	0.2	0.5	1.4	0	0.4	5.2				
						Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass				
						Combustible Material	Result	0.4	1.7	10	0.5	1.3	0.3	0.3	4.7				
						Ash Content	Result	0.1	0.1	1	0.1	0.1	0.2	0.1	0.5				
D5 Packing Shed	Monthly	PP Consent 1082 Clause 11	-	4	g/m2/month	Total Insoluble Matter	Result	0.23	0.9	0.4	0.4	1	0.8	0.9	1.2				
						Pass / Fail	Fail	Fail	Fail	Fail	Fail	Fail	Fail	Fail	Fail				
						Combustible Material	Result	0.1	0.8	10	0.4	1	0.5	0.8	1.1				
						Ash Content	Result	0.1	0.1	1	0.1	0.1	0.2	0.2	0.2				
D7 Paddock E	Monthly	PP Consent 1082 Clause 11	-	4	g/m2/month	Total Insoluble Matter	Result	1.6	2.5	1.1	7	3.8	3.3	0	0				
						Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass				
						Combustible Material	Result	1.4	2.2	10	0.6	3.2	0.2	0	0				
						Ash Content	Result	0.1	0.3	1	0.1	0.6	3.1	0	0				

Comments: Add any comments regarding the deposition monitoring outcomes in the fields below

Comment 1:	D7 April 2021 - Noted insoluble spike, monitoring data closely
Comment 2:	D7 July 2021- Invalidated - leaf litter and other organic material in funnel. Insoluble solids recorded 5.3 g/m2/month
Comment 3:	D7 August 2021 Invalidated - leaf litter in funnel. Insoluble solids recorded 4.2 g/m2/month
Comment 4:	D3 August 2021 - Noted insoluble spike, monitoring data closely
Comment 5:	
Comment 6:	

Comment 7:	
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Comment 8:	
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