

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

Boambee Quarry, North Boambee Road, Boambee NSW 2450
https://apos.ona.nsw.gov.au/processon/Detal.aspx?instid=70948id=70948id=70948cotion=licence&searchrange=licence&searchrange=roe-endestatus=ksuad
Wednesday, October 25, 2023
01/01/2023 to 31/12/2023
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#### Surface Water Quality - Monitoring Results

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Sample Date	25/01/2023	30/01/2023	31/01/2023	23/02/2023	24/02/2023	25/02/2023	27/02/2023	22/03/202	3 23/03/2023	04/04/202	3 05/04/2023	13/04/2023	14/04/2023	26/04/2023	27/04/2023	02/05/2023	05/05/2023	09/05/2023	10/05/2023	11/05/2023	12/05/2023	17/05/2023	18/05/2023	15/06/2023	06/07/2023	21/11/2023	22/11/2023	20/12/2023			
			6.5	8.5		-11	Result	7.2	7.3	7.2	7.3	7.2	7.1	7.4	7.3	7.3	7.3	7.3	7.4	7.3	7.3	7.5	7.5	7.8	8.1	8	8.1	8.2	8.1	8.1	7.6	7.3	7.3	7.3	7.1			
	Once <24 hours prior to actively		0.5	0.5	pn pn	pri	Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass			
Point 1	prior to actively emptying the sediment basins	EPL 7094			mgt	Suspended Solids	Result	18	7	11	15	29	27	6	4	7	23	19	5	7	22	14	9	4	3	2	2	2	4	2	2	2	2	2	4			
		Section L2.4		30	mgc	Suspended Solids	Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass			
	Each Discharge Event			NV	V = Visable or	Total Oil & Grease	Result	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV			
	Event			NV	NV = None Visable	lotal Oil & Grease	Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass			
Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Sample Date	25/01/2023	30/01/2023	31/01/2023	23/02/2023	24/02/2023	25/02/2023	27/02/2023	22/03/202	3 23/03/2023	04/04/202	3 05/04/2023	13/04/2023	14/04/2023	26/04/2023	27/04/2023	02/05/2023	05/05/2023	09/05/2023	10/05/2023	11/05/2023	12/05/2023	17/05/2023	18/05/2023	15/06/2023	06/07/2023	21/11/2023	22/11/2023	20/12/2023			
		Source	Lower Limit		Unit	Description	Sample Date Result	25/01/2028 7.2	30/01/2023	31/01/2023 7.3	23/02/2023	24/02/2023 6.9	25/02/2028 6.8	27/02/2023	22  t3  202 7.3	3 23/03/2023	04/04/202	3 05/04/2023	13/04/2023 7.3	14/04/2023 7.2	26/04/2023 7.3	27/04/2023 7.2	02/05/2023 7.3	05/05/2023 7.2	09/05/2023	10/05/2023	11/05/2023	12/05/2023	17/05/2023 7.4	18/05/2023 7.3	15/06/2023 7.2	06/07/2023 7.2	21/11/2023	<b>22/11/2023</b> 6.8	20/12/2023			
	Once <24 hours	Source	Lower Limit 6.5	Upper Limit 8.5	Unit pH	Description pH		25/01/2028 7.2 Pass	30/01/2023 7.3 Pass	31/01/2023 7.3 Pass	23/02/2023	24(02)2023 6.9 Pass	25(02(20)23 6.8 Pass	27/02/2023 7.5 Pass	7.3 Pass	3 23.03/2023 7.2 Pass	04/04/202 7.2 Pass	3 05/04/2023 7.2 Pass	13/04/2023 7.3 Pass	14/04/2023 7.2 Pass	26/04/2023 7.3 Pass	27/04/2028 7.2 Pass	7.3 Pass	05/05/2023 7.2 Pass	09/05/2023	10/05/2023	11/05/2023	12/05/2023	17/05/2023 7.4 Pass	180502023 7.3 Pass	15/08/2028 7.2 Pass	06/07/2023 7.2 Pass	21/11/2023 6.9 Pass		20(12)2023 7.2 Pass			
	Once <24 hours prior to actively emptying the	Source EPL 7094	Lower Limit 6.5		рН	рН	Result	25/01/2028 7.2 Pass 2	30/01/2023 7.3 Pass 3	31/01/2023 7.3 Pass 9	23/02/2023		25(02)2023 6.8 Pass 17	27/02/2023 7.5 Pass 3	7.3 Pass 4	3 2310312023 7.2 Pass 7	04/04/202 7.2 Pass 2	1.2	13/04/2023 7.3 Pass 2	7.2 Pass 3		27/04/2028 7.2 Pass 4	1.0		09/05/2023	10/05/2023	11/05/2023	12/05/2023		1805F023 7.3 Pass 5	7.2	7.2	6.9	6.8	7.2			
Point 3	Once <24 hours prior to actively emptying the sediment basins		Lower Limit 6.5		DAIL MAIL	Description pH Suspended Solids	Result Pass / Fail	25/01/2028 7.2 Pass 2 Pass	30/01/2023 7.3 Pass 3 Pass	31/01/2028 7.3 Pass 9 Pass	23/02/2023		25/02/02/3 6.8 Pass 17 Pass	27/02/2023 7.5 Pass 3 Pass	7.3 Pass 4 Pass	7	7.2 Pass 2 Pass	1.2	1970-1920-28 7-3 Pass 2 Pass	7.2 Pass 3 Pass		7.2 Pass 4 Pass	1.0		09/05/2023	10/05/2023	11/05/2023	12/05/2023		7.3 Pass 5 Pass	7.2	7.2	6.9	6.8	7.2			
Point 3	Once <24 hours prior to actively emptying the sediment basins	EPL 7094	Lower Limit 6.5		pH mg/L	рН	Result Pass / Fail Result Pass / Fail	7.2 Pass 2 Pass NV	3	9	23/02/2023	Pass 16	17	3	4	7	2	Pass 2	2	3	Pass 4	4	Pass 4	Pass 2	09/05/2023	10/05/2023	11/05/2023	12/05/2023	Pass 8	7.3 Pass 5 Pass NV	7.2 Pass 7	7.2 Pass 3	6.9 Pass 6	6.8 Pass 6	7.2 Pass 3			

Comment 1:	
Comment 2	
Comment 3:	

## Rainfall Monitoring Results

Location	Frequency Daily	Source Gauge	Unit										
Me	onth		February 2023		April 2023	May 2023	June 2023	July 2023		September 2023			
Total Rai	infall (mm)	240.0	146.6	157.0	131.8	83.0	12.8	36.2	30.4	0.6	112.0	149.0	169.4
Rain	y Days	14.0	10.0	18.0	15.0	4.0	6.0	10.0	6.0	2.0	8.0	16.0	10.0
Av. Rainfall	/ Event (mm)	17.1	14.7	8.7	8.8	20.8	2.1	3.6	5.1	0.3	14.0	9.3	16.9
Events >90	lmm (5 Days)												

## Blast Monitoring Results

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

Blast Monito	ring Results - YT	D															
Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Blast Date	16/01/2023	15/02/2023	17/03/2023	08/05/2023	20/06/2023	17/07/2023	06/09/2023	09/11/2023		
				115	dB (Lin Peak)	Over Pressure	Result	99.6	100.5	107.5	105.7	108.5	107.36	105.5	107.1		
	Per Blast	EPL 7094	-	115	OB (LITPEAK)	Over Pressure	Pass/Fail	Pass									
	Per bless	Section L7			mm/s	Ground Vibration	Result	0.63	0.92	1.89	0.92	2.11	1.45	0.75	1.48		
				9	mms	Ground Vibration	Pass/Fail	Pass									

### Annual Blast Monitoring Results (YTD)

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 nefformance that is likely to channe

Annual Blast Monitoring - Over Pressure (High Range)		Annual Blast Monitoring - Ground Vibration (High Range)	
Blast Count	8	Blast Count	8
YTD Over Pressure in High Range (115 - 120 dBL)	] 0	YTD Ground Vibration in High Range (5 - 10 mm/s)	0
% Over Pressure in High Range (115 - 120 dBL)	0%	% Ground Vibration in High Range (5 - 10 mm/s)	0%
Annual Over Pressure (Pass / Fail)	Pass	Annual Ground Vibration (Pass / Fail)	Pass
Annual Blast Monitoring - Over Pressure (Maximum Allowable)		Annual Blast Monitoring - Ground Vibration (Maximum Allowable)	
Blast Count	8	Blast Count	8
YTD Over Pressure Exceeding Maximum Allowable (120 dBL)	0	YTD Ground Vibration Exceeding Maximum Allowable (10 mm/s)	0
% Over Pressure Exceeding Maximum Allowable (120 dBL)	0%	% Ground Vibration Exceeding Maximum Allowable (10 mm/s)	0%
Annual Over Pressure (Pass / Fail)	Pass	Annual Ground Vibration (Pass / Fail)	Pass

# Air Quality Monitoring - Deposition Results

Location		Source	Lower Limit	Upper Limit	Unit		Month	January 2023	February 2023	March 2023	April 2023	May 2023	June 2023	July 2023	August 2023	September 2023	October 2023	November 2023	December 2023										
Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Sample Date	13/01/2023	11/02/2023	15/03/2023	14/04/2023	12/05/2023	10/06/2023	12/07/2023	10/08/2023	13/09/2023	14/10/2023	14/11/2023											
				4		Total Insoluable	Result	0.3	0.9	0.3	0.2	0.4	0.4	0.3	0.2	1.2	2.4	1											
D1		PP Consent 108			g/m2/month	Matter	Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass											
Farmhouse	Monthly	Clause 11	-	nla		Combustible Material	Result	0.2	0.8	0.3	0.2	0.1	0.1	0.2	0.1	0.6	0.9	1											
						Ash Content	Result	0.1	0.1	0.1	0.1	0.3	0.4	0.1	0.1	0.6	1.5	0.1											
			١.	1 4 1		Total Insoluable	Result	0.5	0.5	0.1	2.2	0.3	0.1	0.2	0.4	0.3	0.7	2.5											
D2		PP Consent 108				Matter	Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass											
Paddock	Monthly	Clause 11		nla	g/m2/month	Combustible Material	Result	0.4	0.4	0.1	2.1	0.2	0.1	0.2	0.1	0.2	0.2	2.4											
						Ash Content	Result	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.5	0.1											
				1 4 1		Total Insoluable Matter	Result	0.4	1.4	0.3	0.3	0.2	0.5	0.4	0.5	0.3	1.7	1.9											
D3		PP Consent 108		,			Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	1										
Dutton	Monthly	Clause 11		nla	g/m2/month	Combustible Material	Result	0.3	1.3	0.2	0.3	0.2	0.1	0.2	0.1	0.2	0.6	1.8											
						Ash Content	Result	0.1	0.1	0.1	0.1	0.1	0.4	0.2	0.4	0.2	1.2	0.1											
		1	1	1 4 1		Total Insoluable	Result	0.4	0.7	0.5	0.2	0.4	3.4	3.5	0.5	0.6	1.2	0.3											
D5		PP Consent 108		,		Matter	Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	1										
Packing Shed	Monthly	Clause 11												nia	g/m2/month	Combustible Material	Result	0.3	0.7	0.5	0.2	0.3	0.4	1.4	0.1	0.5	0.6	0.3	
						Ash Content	Result	0.1	0.1	0.1	0.1	0.1	3	2.1	0.4	0.2	0.6	0.1											
				_		Total Insoluable	Result	0.8	1.5	1.4	0.7	0.8	0.2	0.4	0.5	0.3		1.2											
D7	1	PP Consent 108				Matter	Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass		Pass											
Paddock E	Monthly	Clause 11		n/a	g/m2/month	Combustible Material	Result	0.7	1.3	1.3	0.6	0.7	0.1	0.3	0.2	0.2		1.1											

And Content Report 6.1 6.1 6.1 6.1 6.2 6.1 6.4 6.7 6.1

	Comments: Add any comments regarding the deposition monitoring outcomes in the fields below
Comment 1:	
Comment 2:	
Comment 3:	
Comment 4:	
Comment 5:	
Comment 6:	
Comment 7:	
Comment &	