



Building
something
great

Johns River Quarry

Environmental Monitoring Report

Depositional Dust Monitoring Data

July 2024



**Building
something
great**

This monitoring report is to satisfy the requirements of Section 66 (6) of the Protection of the Environment and Operations Act 1997, to make available, within 14 days of obtaining any monitoring data that relates to pollution under an Environment Protection Licence

The monitoring of pollutants provided in this report is undertaken as per the requirements of Environment Protection Licence 4812 (EPL: 4812 – Boral Johns River Quarry)

Johns River Quarry Information	
Premise Details	Boral – Johns River Quarry
Address	Bulleys Road, Johns River NSW 2443
Licensee	Boral Resources (Country) Pty Ltd
EPL No	4812
EPL Location	ViewPOEOLicence.aspx (nsw.gov.au)
Date of dataset update	31/07/2024

Monitoring data in this report relates to the monitoring undertaken in the reporting period for the following environmental pollutants:

- Depositional Dust



**Building
something
great**

Depositional Dust Monitoring

Depositional Dust monitoring is conducted as per condition M2.2 of EPL 4812.

Qualifications related to Deposited Dust / Air Quality Monitoring

P1 Location of monitoring/discharge points and areas

P1.1 The following points referred to in the table below are identified in this licence for the purposes of monitoring and/or the setting of limits for the emission of pollutants to the air from the point.

EPA Identification No.	Type of Monitoring Point	Location Description
18	Ambient Air Monitoring	Monitor "Dust Point 1 (Bulley Top Paddock)" located at coordinates -31.715331 152.691702
20	Ambient Air Monitoring	Monitor "Dust Point 2 Bulley Flat Paddock" located at coordinates -31.71948178 152.700485
21	Ambient Air Monitoring	Monitor "Dust Point 3" located at coordinates -31.7158934 152.707463
22	Ambient Air Monitoring	Monitor "Dust Point 4" located at coordinates -31.71030485 152.7029657

M2.2 Air Monitoring Requirements

POINT 18,20,21,22

Pollutant	Units of measure	Frequency	Sampling Method
Particulates - Deposited Matter	grams per square metre per month	Monthly	AM-19



**Building
something
great**

TABLE 1: Johns River Quarry – Dust Monitoring Results

Date	Site 1			Site 2			Site 3			Site 4			Comments
	EPA ID 18			EPA ID 20			EPA ID 21			EPA ID 22			
	Bulley Top Paddock			Bulley Flat Paddock			Jones Property			Bawn Property			
	Insoluble Solids	Ash	Total Solids	Insoluble Solids	Ash	Total Solids	Insoluble Solids	Ash	Total Solids	Insoluble Solids	Ash	Total Solids	
	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	
Jun-24	0.22	0.14	1.06	6.97	5.21	11.63	0.98	0.77	1.05	1.46	0.49	1.57	Farming Activities at all sites
May-24	0.83	0.76	2.55	11.13	8.45	9.59	3.74	1.51	3.96	1.85	0.86	6.40	Farming Activities at all sites
Apr-24	1.81	1.02	2.27	5.01	2.83	19.29	6.53	3.62	9.88	2.69	0.35	3.14	Farming Activities at all sites
Mar-24	5.63	4.41	6.19	7.54	3.91	12.42	0.79	0.54	1.37	1.53	0.62	2.64	Farming Activities at all sites
Feb-24	5.55	5.27	6.01	1.55	1.04	56.38	1.57	0.73	4.51	1.79	1.13	4.78	Farming Activities at all sites
Jan-24	0.71	0.51	4.67	7.67	2.38	30.21	5.51	0.88	17.19	1.09	0.92	2.18	Farming Activities at all sites
Dec-23	2.30	1.46	2.56	13.9	5.18	17.49	5.00	1.70	9.72	3.79	1.10	5.67	Farming Activities at all sites
Nov-23	1.34	0.97	1.54	5.94	5.12	8.54	3.09	2.00	4.04	1.52	1.08	5.32	Farming Activities at all sites
Oct-23	0.93	0.92	5.61	0.53	0.51	2.42	1.64	1.58	5.16	1.83	1.32	4.52	Farming Activities at all sites
Sep-23	0.78	0.55	1.19	2.80	1.15	5.15	5.74	2.16	7.16	1.83	0.97	1.88	Aug and Sep samples combined. Farming Activities at all sites
Aug-23	-	-	-	-	-	-	-	-	-	-	-	-	Included with Sept Data



Building something great

Date	Site 1			Site 2			Site 3			Site 4			Comments
	EPA ID 18			EPA ID 20			EPA ID 21			EPA ID 22			
	Bulley Top Paddock			Bulley Flat Paddock			Jones Property			Bawn Property			
	Insoluble Solids	Ash	Total Solids	Insoluble Solids	Ash	Total Solids	Insoluble Solids	Ash	Total Solids	Insoluble Solids	Ash	Total Solids	
	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	
Jul-23	0.88	0.80	1.03	1.44	0.93	3.02	2.80	0.53	2.98	0.57	0.52	1.18	Farming Activities at all sites
Jun-23	0.96	0.73	3.53	1.58	1.35	20.72	2.07	1.66	3.32	0.67	0.48	2.13	Farming Activities at all sites
May-23	2.15	1.59	3.56	0.84	0.63	1.49	9.45	5.84	14.75	1.15	0.74	1.69	Farming Activities at all sites
Apr-23	4.64	2.29	11.45	2.62	1.76	7.23	2.83	1.36	7.61	1.47	0.54	5.01	Farming Activities at all sites
Mar-23	4.85	2.91	13.64	6.82	3.19	17.06	2.05	0.99	5.71	2.47	1.43	6.44	Farming Activities at all sites
Feb-23	2.39	0.04	2.45	2.58	0.05	2.92	1.28	0.04	2.36	0.76	0.03	1.52	
Jan-23	3.67	3.43	18.79	4.21	4.12	23.52	8.88	6.26	26.99	3.11	1.00	6.75	Jan and Dec samples combined. Farming Activities at all sites
Dec-22	-	-	-	-	-	-	-	-	-	-	-	-	Included with Jan-23 Data
Nov-22	1.21	0.41	1.34	9.78	3.57	16.61	1.64	0.88	3.21	1.02	0.55	1.40	Farming Activities at all sites
Oct-22	5.70	4.04	7.78	40.12	6.34	42.84	0.91	0.45	1.24	0.57	0.47	0.66	Farming Activities at all sites
Sep-22													September and October samples combined



Building something great

Date	Site 1			Site 2			Site 3			Site 4			Comments
	EPA ID 18			EPA ID 20			EPA ID 21			EPA ID 22			
	Bulley Top Paddock			Bulley Flat Paddock			Jones Property			Bawn Property			
	Insoluble Solids	Ash	Total Solids	Insoluble Solids	Ash	Total Solids	Insoluble Solids	Ash	Total Solids	Insoluble Solids	Ash	Total Solids	
	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	
Aug-22	2.00	1.73	2.97	89.78	49.69	131.30	0.82	0.78	1.47	1.56	1.29	3.71	Farming Activities at all sites
Jul-22	20.08	12.79	22.03	26.48	17.89	34.67	0.00	0.00	0.00	0.00	0.00	0.00	Farming Activities at all sites
Jun-22	1.76	1.33	4.27	0.48	0.11	2.61	1.49	0.19	2.80	0.45	0.05	2.12	
May-22	44.50	31.57	47.02	8.02	4.04	9.56	2.29	0.64	3.08	1.94	0.39	2.21	
Apr-22	3.06	2.03	3.21	5.32	2.46	12.37	1.08	0.54	2.74	3.47	2.05	5.89	
Mar-22	1.86	1.10	2.19	2.49	1.19	2.98	0.82	0.78	1.47	0.93	0.25	1.25	
Feb-22	1.09	0.41	1.13	24.15	10.02	35.11	0.00	0.00	0.00	1.27	0.36	1.29	
Jan-22	3.34	2.43	6.16	121.89	41.56	212.57	2.39	2.06	6.97	2.98	2.49	7.29	
Dec-21	1.38	0.24	1.64	3.58	1.41	7.16	1.16	0.35	1.49	1.60	0.54	1.96	
Nov-21	7.02	1.25	15.34	9.18	2.66	15.34	5.32	1.27	7.99	0.00	0.00	0.00	Site 4 Bottle broken
Oct-21	53.89	34.52	70.05	18.09	7.89	27.59	4.98	2.41	8.12	2.55	1.26	5.30	
Sep-21	2.07	1.42	3.92	38.76	24.86	49.80	1.41	1.00	3.40	1.00	0.66	3.04	
Aug-21	1.59	1.18	2.06	8.01	3.61	15.27	5.33	1.60	7.36	2.69	1.72	3.18	
Jul-21	0.69	0.50	10.19	7.76	4.76	14.60	0.58	0.40	2.16	1.02	0.71	1.83	
Jun-21	2.11	0.71	2.48	5.55	1.93	8.58	2.20	0.56	2.45	2.14	0.72	2.25	
May-21	2.42	1.09	3.51	9.99	6.01	12.91	0.87	0.41	1.94	2.51	1.05	2.70	



**Building
something
great**

Date	Site 1			Site 2			Site 3			Site 4			Comments
	EPA ID 18			EPA ID 20			EPA ID 21			EPA ID 22			
	Bulley Top Paddock			Bulley Flat Paddock			Jones Property			Bawn Property			
	Insoluble Solids	Ash	Total Solids	Insoluble Solids	Ash	Total Solids	Insoluble Solids	Ash	Total Solids	Insoluble Solids	Ash	Total Solids	
	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	
Apr-21	0.40	0.16	1.11	0.00	0.00	0.00	2.23	0.31	4.14	2.07	0.86	3.40	Site 2 Bottle broken (cattle)
Mar-21	0.39	0.15	1.10	0.00	0.00	0.00	0.92	0.78	2.33	1.00	0.57	1.60	Site 2 Bottle broken (Flood)
Feb-21	1.12	0.95	1.79	8.68	4.52	15.76	0.83	0.74	2.94	1.01	0.86	2.16	
Jan-21	2.41	0.85	4.29	5.82	1.65	15.36	2.69	1.68	8.48	1.73	1.22	6.37	
Dec-20	0.93	0.65	2.74	6.52	3.59	10.94	1.09	0.83	1.98	0.33	0.29	0.53	
Nov-20	3.35	1.25	7.63	4.21	1.32	6.21	3.47	1.21	4.95	2.03	0.84	2.27	
Oct-20	18.52	2.69	32.98	40.68	7.80	120.01	2.23	1.08	3.08	3.39	2.24	5.13	Neighbour Slashing in paddocks
Sep-20	5.68	2.90	6.47	3.13	1.25	3.71	2.22	0.62	2.53	6.44	2.07	6.73	
Aug-20	2.84	1.26	3.72	9.75	6.04	13.83	1.98	0.94	2.67	5.13	2.20	6.12	
Jul-20	1.13	0.76	1.45	5.54	2.46	11.70	1.93	1.19	2.13	1.61	0.71	2.42	
Jun-20	0.95	0.77	2.73	1.30	1.03	3.22	0.48	0.42	2.29	1.65	1.09	2.69	
May-20	3.07	2.34	4.62	2.60	1.39	5.18	1.57	0.81	3.69	1.64	0.73	4.71	
Apr-20	1.32	0.81	2.10	4.63	2.91	11.20	1.04	0.70	1.66	0.92	0.78	2.33	
Mar-20	2.93	1.29	4.52	31.13	9.96	53.80	2.80	1.21	4.74	2.93	1.06	6.02	Neighbour slashing paddocks
Feb-20	3.30	1.51	3.37	6.54	2.04	8.15	0.67	0.59	0.71	1.74	0.72	2.16	



**Building
something
great**

Date	Site 1			Site 2			Site 3			Site 4			Comments
	EPA ID 18			EPA ID 20			EPA ID 21			EPA ID 22			
	Bulley Top Paddock			Bulley Flat Paddock			Jones Property			Bawn Property			
	Insoluble Solids	Ash	Total Solids	Insoluble Solids	Ash	Total Solids	Insoluble Solids	Ash	Total Solids	Insoluble Solids	Ash	Total Solids	
	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	g/m2/month	
Jan-20	4.26	2.79	7.47	17.16	4.59	29.66	2.00	1.66	4.96	1.54	1.32	4.32	
Dec-19	1.42	1.10	3.54	4.68	2.63	10.92	1.83	1.34	3.99	1.53	1.13	3.14	
Nov-19	2.04	1.45	3.23	11.32	3.79	19.07	3.14	2.26	3.80	2.39	1.40	2.97	
Oct-19	2.83	2.53	4.16	12.54	7.88	16.96	3.28	2.87	4.70	3.24	2.97	5.36	
Sep-19	2.01	1.72	3.27	2.45	1.81	5.69	1.30	0.87	5.21	1.36	1.28	3.52	
Aug-19	1.43	0.59	1.58	2.31	0.99	3.46	2.87	1.39	4.16	1.70	1.18	1.92	
Jul-19	1.05	0.84	2.20	0.83	0.60	1.78	0.76	0.54	2.25	0.51	0.38	1.97	
Jun-19	3.25	1.30	3.70	4.51	1.28	6.90	2.18	0.50	2.29	2.08	0.46	2.27	
May-19	2.33	1.75	3.07	2.33	1.18	4.09	1.79	0.90	2.91	1.51	0.88	2.53	
Apr-19	1.11	0.96	2.43	6.21	1.99	10.10	0.82	0.69	1.33	0.91	0.65	2.13	
Mar-19	2.18	2.16	4.79	2.45	1.75	9.16	0.92	0.76	5.05	1.56	1.26	5.85	
Feb-19	5.54	3.89	6.52	5.22	3.46	7.63	3.97	3.07	4.31	3.28	2.49	3.76	
Jan-19	1.34	0.80	2.79	1.13	0.65	2.44	1.03	0.60	1.85	1.74	0.81	3.37	



**Building
something
great**

TABLE 2: Dust Monitoring Results – Corrections Log

Date of Data (sample Date)	Old Published Data	Corrected Data	Reason for Update / Correction	Update Person	Date corrected Data Published	Comments
Mar-24	Site 2 Insoluble Solids – 54.83	Site 2 Insoluble Solids – 1.55	Data for Soluble Matter reported as insoluble Solids	Glenn Cook	17/05/2024	Data Updated to reflect accurate reported numbers

Note: The table above details the corrections made to published data due to incorrect reporting or misleading published data



Building something great

FIGURE 1 Johns River Quarry- Dust Monitoring Locations

