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# Environmental Monitoring Report – Deposited Dust Monitoring Data

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## Beryl Quarry

May 2025

Date Published: 14th May 2025

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 3630 (EPL 3630 – Boral Beryl Quarry).

Beryl Quarry Information	
Premise Details	Boral – Beryl Quarry
Address	Springridge Road, Beryl, NSW 2852
Licensee	Boral Resources (Country) Pty Ltd
EPL No	3630
EPL Location	<a href="http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=31229&amp;SYSUID=1&amp;LICID=3630">http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=31229&amp;SYSUID=1&amp;LICID=3630</a>
Date of dataset update	14/05/2025

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

- Deposited Dust

Deposited Dust monitoring is conducted as per condition P1 and M2 of EPL 3630.

**Qualifications related to dust monitoring:**  
**Extracted from EPL: 3630**

## 2 Discharges to Air and Water and Applications to Land

### 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	Air	
		Type of Discharge Point	Location Description
1	Air Emissions Monitoring - Dust Deposition		"Site 1" on the map supplied by the licensee on 21 November 2024. N 6416688.414 E 730727.347 (EPA Ref:DOC24/413332-13)
2	Air Emissions Monitoring - Dust Deposition		"Site 2" on the map supplied by the licensee on 21 November 2024 N 6418115.185 E 730179.019 (EPA Ref:DOC24/413332-13)
3	Air Emissions Monitoring - Dust Deposition		"Site 3" on the map supplied by the licensee on 21 November 2024 N 6415987.129 E 731040.574 (EPA Ref:DOC24/413332-13)

### M2 Requirement to monitor concentration of pollutants discharged

M2.1 For each monitoring/discharge point or utilisation area specified below (by a point number), the licensee must monitor (by sampling and obtaining results by analysis) the concentration of each pollutant specified in Column 1. The licensee must use the sampling method, units of measure, and sample at the frequency, specified opposite in the other columns:

M2.2 Air Monitoring Requirements

POINT 1,2,3

Pollutant	Units of measure	Frequency	Sampling Method
Ash	grams per square metre per month	Monthly	AS/NZS 3580.10.1:2016
Insoluble solids	grams per square metre per month	Monthly	AS/NZS 3580.10.1:2016
Soluble matter	grams per square metre per month	Monthly	AS/NZS 3580.10.1:2016
Total solids	grams per square metre per month	Monthly	AS/NZS 3580.10.1:2016

Location	Monitoring Frequency	Pollutant	Measurement	Unit	Comments
Monitoring Point 1	Monthly- March 2025 (data received 28/4/25)	Ash	0.54	g/m <sup>2</sup> /month	
		Insoluble Solids	1.28	g/m <sup>2</sup> /month	
		Soluble Matter	0.05	g/m <sup>2</sup> /month	
		Total Solids	1.32	g/m <sup>2</sup> /month	
Monitoring Point 2		Ash	3.73	g/m <sup>2</sup> /month	
		Insoluble Solids	6.95	g/m <sup>2</sup> /month	
		Soluble Matter	2.29	g/m <sup>2</sup> /month	
		Total Solids	9.23	g/m <sup>2</sup> /month	
Monitoring Point 3		Ash	0.71	g/m <sup>2</sup> /month	
		Insoluble Solids	1.66	g/m <sup>2</sup> /month	
		Soluble Matter	0.48	g/m <sup>2</sup> /month	
		Total Solids	2.14	g/m <sup>2</sup> /month	
Monitoring Point 1	Monthly- February 2025 (data received 27/3/25)	Ash	0.81	g/m <sup>2</sup> /month	
		Insoluble Solids	2.11	g/m <sup>2</sup> /month	
		Soluble Matter	0.07	g/m <sup>2</sup> /month	
		Total Solids	2.18	g/m <sup>2</sup> /month	
Monitoring Point 2		Ash	5.40	g/m <sup>2</sup> /month	
		Insoluble Solids	7.88	g/m <sup>2</sup> /month	
		Soluble Matter	1.50	g/m <sup>2</sup> /month	
		Total Solids	9.38	g/m <sup>2</sup> /month	
Monitoring Point 3		Ash	1.94	g/m <sup>2</sup> /month	
		Insoluble Solids	3.68	g/m <sup>2</sup> /month	
		Soluble Matter	0.64	g/m <sup>2</sup> /month	
		Total Solids	4.32	g/m <sup>2</sup> /month	
Monitoring Point 1	Monthly- January 2025 (data received 6/3/25)	Ash	0.59	g/m <sup>2</sup> /month	Operations occurring directly next to Monitoring point 2. Variation made to EPL 3630 to move the monitoring point location to be representative of off-site impacts.
		Insoluble Solids	0.62	g/m <sup>2</sup> /month	
		Soluble Matter	1.08	g/m <sup>2</sup> /month	
		Total Solids	1.69	g/m <sup>2</sup> /month	
Monitoring Point 2		Ash	14.04	g/m <sup>2</sup> /month	
		Insoluble Solids	14.60	g/m <sup>2</sup> /month	
		Soluble Matter	2.55	g/m <sup>2</sup> /month	
		Total Solids	17.15	g/m <sup>2</sup> /month	
Monitoring Point 3		Ash	2.46	g/m <sup>2</sup> /month	
		Insoluble Solids	2.95	g/m <sup>2</sup> /month	
		Soluble Matter	1.01	g/m <sup>2</sup> /month	
		Total Solids	3.96	g/m <sup>2</sup> /month	
Monitoring Point 1	Monthly- December 2024 (data received 3/2/25)	Ash	0.19	g/m <sup>2</sup> /month	
		Insoluble Solids	0.26	g/m <sup>2</sup> /month	
		Soluble Matter	0.96	g/m <sup>2</sup> /month	
		Total Solids	1.22	g/m <sup>2</sup> /month	

Location	Monitoring Frequency	Pollutant	Measurement	Unit	Comments
Monitoring Point 2		Ash	2.04	g/m <sup>2</sup> /month	
		Insoluble Solids	2.73	g/m <sup>2</sup> /month	
		Soluble Matter	2.81	g/m <sup>2</sup> /month	
		Total Solids	5.54	g/m <sup>2</sup> /month	
Monitoring Point 3		Ash	0.23	g/m <sup>2</sup> /month	
		Insoluble Solids	0.33	g/m <sup>2</sup> /month	
		Soluble Matter	0.87	g/m <sup>2</sup> /month	
		Total Solids	1.20	g/m <sup>2</sup> /month	
Monitoring Point 1	Monthly- November 2024 (data received 6/1/25)	Ash	1.19	g/m <sup>2</sup> /month	
		Insoluble Solids	1.24	g/m <sup>2</sup> /month	
		Soluble Matter	0.92	g/m <sup>2</sup> /month	
		Total Solids	2.16	g/m <sup>2</sup> /month	
Monitoring Point 2		Ash	1.91	g/m <sup>2</sup> /month	
		Insoluble Solids	2.15	g/m <sup>2</sup> /month	
		Soluble Matter	0.31	g/m <sup>2</sup> /month	
		Total Solids	2.46	g/m <sup>2</sup> /month	
Monitoring Point 3		Ash	1.06	g/m <sup>2</sup> /month	
		Insoluble Solids	1.27	g/m <sup>2</sup> /month	
		Soluble Matter	0.02	g/m <sup>2</sup> /month	
		Total Solids	1.28	g/m <sup>2</sup> /month	
Monitoring Point 1	Monthly- October 2024 (data received 28/11/24)	Ash	0.95	g/m <sup>2</sup> /month	
		Insoluble Solids	2.46	g/m <sup>2</sup> /month	
		Soluble Matter	0.24	g/m <sup>2</sup> /month	
		Total Solids	2.69	g/m <sup>2</sup> /month	
Monitoring Point 2		Ash	2.10	g/m <sup>2</sup> /month	
		Insoluble Solids	3.25	g/m <sup>2</sup> /month	
		Soluble Matter	0.46	g/m <sup>2</sup> /month	
		Total Solids	3.71	g/m <sup>2</sup> /month	
Monitoring Point 3		Ash	0.68	g/m <sup>2</sup> /month	
		Insoluble Solids	1.51	g/m <sup>2</sup> /month	
		Soluble Matter	1.13	g/m <sup>2</sup> /month	
		Total Solids	2.64	g/m <sup>2</sup> /month	
Monitoring Point 1	Monthly- September 2024 (data received 1/11/24)	Ash	0.87	g/m <sup>2</sup> /month	
		Insoluble Solids	2.40	g/m <sup>2</sup> /month	
		Soluble Matter	0.02	g/m <sup>2</sup> /month	
		Total Solids	2.42	g/m <sup>2</sup> /month	
Monitoring Point 2		Ash	0.72	g/m <sup>2</sup> /month	
		Insoluble Solids	1.11	g/m <sup>2</sup> /month	
		Soluble Matter	1.42	g/m <sup>2</sup> /month	
		Total Solids	2.54	g/m <sup>2</sup> /month	
Monitoring Point 3		Ash	0.88	g/m <sup>2</sup> /month	

Location	Monitoring Frequency	Pollutant	Measurement	Unit	Comments
		Insoluble Solids	1.32	g/m <sup>2</sup> /month	
		Soluble Matter	1.60	g/m <sup>2</sup> /month	
		Total Solids	2.91	g/m <sup>2</sup> /month	
Monitoring Point 1	Monthly- August 2024 (data received 18/10/24)	Ash	0.93	g/m <sup>2</sup> /month	
		Insoluble Solids	3.28	g/m <sup>2</sup> /month	
		Soluble Matter	0.44	g/m <sup>2</sup> /month	
		Total Solids	3.73	g/m <sup>2</sup> /month	
Monitoring Point 2		Ash	0.80	g/m <sup>2</sup> /month	
		Insoluble Solids	2.74	g/m <sup>2</sup> /month	
		Soluble Matter	0.32	g/m <sup>2</sup> /month	
		Total Solids	3.06	g/m <sup>2</sup> /month	
Monitoring Point 3		Ash	0.86	g/m <sup>2</sup> /month	
		Insoluble Solids	1.87	g/m <sup>2</sup> /month	
		Soluble Matter	0.78	g/m <sup>2</sup> /month	
		Total Solids	2.65	g/m <sup>2</sup> /month	
Monitoring Point 1	Monthly- July 2024 (data received 29/8/24)	Ash	0.63	g/m <sup>2</sup> /month	
		Insoluble Solids	1.10	g/m <sup>2</sup> /month	
		Soluble Matter	2.33	g/m <sup>2</sup> /month	
		Total Solids	3.43	g/m <sup>2</sup> /month	
Monitoring Point 2		Ash	0.83	g/m <sup>2</sup> /month	
		Insoluble Solids	0.88	g/m <sup>2</sup> /month	
		Soluble Matter	0.54	g/m <sup>2</sup> /month	
		Total Solids	1.43	g/m <sup>2</sup> /month	
Monitoring Point 3		Ash	0.35	g/m <sup>2</sup> /month	
		Insoluble Solids	1.78	g/m <sup>2</sup> /month	
		Soluble Matter	0.65	g/m <sup>2</sup> /month	
		Total Solids	2.43	g/m <sup>2</sup> /month	
Monitoring Point 1	Monthly- June 2024 (data received 9/8/24)	Ash	1.11	g/m <sup>2</sup> /month	
		Insoluble Solids	2.25	g/m <sup>2</sup> /month	
		Soluble Matter	1.67	g/m <sup>2</sup> /month	
		Total Solids	3.92	g/m <sup>2</sup> /month	
Monitoring Point 2		Ash	0.85	g/m <sup>2</sup> /month	
		Insoluble Solids	1.85	g/m <sup>2</sup> /month	
		Soluble Matter	1.38	g/m <sup>2</sup> /month	
		Total Solids	3.23	g/m <sup>2</sup> /month	
Monitoring Point 3		Ash	1.48	g/m <sup>2</sup> /month	
		Insoluble Solids	2.55	g/m <sup>2</sup> /month	
		Soluble Matter	1.23	g/m <sup>2</sup> /month	
		Total Solids	3.78	g/m <sup>2</sup> /month	
Monitoring Point 1	Monthly- May 2024 (data received 4/7/24)	Ash	0.31	g/m <sup>2</sup> /month	
		Insoluble Solids	0.41	g/m <sup>2</sup> /month	

Location	Monitoring Frequency	Pollutant	Measurement	Unit	Comments	
		Soluble Matter	0.26	g/m²/month		
		Total Solids	0.67	g/m²/month		
Monitoring Point 2		Ash	0.50	g/m²/month		
		Insoluble Solids	0.55	g/m²/month		
		Soluble Matter	0.69	g/m²/month		
		Total Solids	1.24	g/m²/month		
Monitoring Point 3		Ash	0.74	g/m²/month		
		Insoluble Solids	0.81	g/m²/month		
		Soluble Matter	0.29	g/m²/month		
		Total Solids	1.10	g/m²/month		
Monitoring Point 1	Monthly – April 2024 (data received 11/6/24)	Ash	1.58	g/m²/month		
		Insoluble Solids	1.74	g/m²/month		
		Soluble Matter	1.10	g/m²/month		
		Total Solids	2.84	g/m²/month		
		Monitoring Point 2	Ash	0.49		g/m²/month
			Insoluble Solids	1.28		g/m²/month
			Soluble Matter	0.89		g/m²/month
			Total Solids	2.17		g/m²/month
		Monitoring Point 3	Ash	2.77		g/m²/month
			Insoluble Solids	2.91		g/m²/month
			Soluble Matter	0.52		g/m²/month
			Total Solids	3.42		g/m²/month



## Beryl Quarry- Deposited Dust Monitoring Locations





## Deposited Dust Monitoring Results - Corrections Log

Details of corrections made to published data due to incorrect or misleading data

Date of data (sample date)	Old published data	Correct updated data	Reason for Update/Correction	Update Person	Date corrected data published	Comments