

CULLEN VALLEY MINE

Monthly Environmental Monitoring Data

for

Castlereagh Coal

1 INTRODUCTION

Castlereagh Coal owns and operates Cullen Valley Mine located near Cullen Bullen in the Central West district of New South Wales. This report has been prepared pursuant to Chapter 2, Part 3.5, Condition 66(6) of the Protection of the Environment operations Act 1997 for the publication of results of monitoring and the NSW Environmental Protection Authority guideline titled Requirements for publishing pollution monitoring data (2013).

2 ENVIRONMENTAL PROTECTION LICENCE DETAILS

Cullen Valley Mine (EPL 10341)

Licensee: Shoalhaven Coal Pty Ltd

Address: Cullen Valley Mine, Portland Road, Cullen Bullen, NSW 2790

Link:<https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=50797&SYSUID=1&LICID=10341>

3 ENVIRONMENTAL PROTECTION LICENCE DETAILS

3.1 DEPOSITIONAL DUST

All depositional dust sampling locations were in compliance with the rolling annual average limit (4 g/m² /month) for the period June 2025 to May 2026. Maximum annual increase in deposited dust levels is below the criteria limit of 2 g/m² /month. Depositional dust monitoring results are presented in **Table 1**.

Table 1: Depositional Dust Monitoring Results: May 2026

Obtained: 12/06/2026		Premises: Cullen Valley Mine		
Published: 16/06/2026		Licensee: Shoalhaven Coal Pty Ltd		
		EPL Number: 10341		
		Exposure		Period: 28 days
Sampling Point	Start Date	End Date	Insoluble Solids (g/m ² /month)	Rolling Annual Average (g/m ² /month)
CDD1 (Railway)	06/05/2026	03/06/2026	0.3	0.642
CDD2 (Hillcroft)	06/05/2026	03/06/2026	1.8	1.342
CDD3 (Office)	06/05/2026	03/06/2026	0.4	0.800
CDD4 (Cranes)	06/05/2026	03/06/2026	1.0	0.825
CDD5 (Doble)	06/05/2026	03/06/2026	0.2	0.517
Annual Average Limit				4.0

Required Frequency: Monthly - exposure period 30 ± 2 days

Rolling annual average calculation period from June 2025 to May 2026

3.2 PM₁₀, PM_{2.5} AND TSP

The 24-hour maximum PM₁₀ particulate matter concentration less than 10 microns (PM₁₀) criterion of 50 µg/m³ was not exceeded during May 2026. The PM₁₀, PM_{2.5} and total suspended particulate (TSP) annual average results were compliant with the annual average limit for the period June 2025 to May 2026.

PM₁₀, PM_{2.5} and TSP results for May 2026 are presented in Table 2.

Table 2: High Volume Air Sampler Monitoring Results: May 2026

Obtained: 15/05/2026		Premises: Cullen Valley Mine		
Published: 18/06/2026		Licensee: Shoalhaven Coal Pty Ltd		
		EPL Number: 10341		
Sampling Point	Run Date	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	TSP (µg/m ³) ^
HVAS1	06/05/2026	4.0	2.0	7.0
	12/05/2026	7.0	3.5	7.0
	18/05/2026	6.0	3.0	7.0
	24/05/2026	5.0	2.5	8.0
	30/05/2026	4.0	2.0	7.0
Rolling Annual Average (Calculation period June 2025 to May 2026)		8.8	4.4	20.0
24 Hour Limit		50	25	--
Annual Average Limit		25	8	90

^TSP and PM_{2.5} calculated from an estimate of PM₁₀

Required Frequency: Weekly – High Volume Air Sample run events occur every six days for 24 hours.

-- No Limit

4 SURFACE WATER QUALITY

A discharge event is deemed to occur when water leaves the site either through the overflow channel or as a result of actively pumping water. Site did not discharge from Dam 3 (EPA Point 1) or Dam 4 (EPA Point 4) in May 2026, samples were collected from Dam 3 and Dam 4 for due diligence purposes only.

Water quality results are presented in **Table 3**.

Table 3: Discharge Water Quality Results – May 2026

Obtained:	18/05/26	Premises:	Cullen Valley Mine		
Published:	18/06/26	Licensee:	Shoalhaven Coal Pty Ltd		
		EPL Number:	10341		
Sampling Point Frequency	Frequency	Pollutant	Discharge Limit	Date	Measurement
Dam 3 (EPA Point 1) Due Diligence Sample (Non-Discharge) ¹	Monthly	pH (pH unit)	6.5 – 8.5	06/05/26	7.4
		Conductivity (µS/cm)	650		170
		TSS (mg/L)	50		11
		Oil & Grease (mg/L)	10		<5
		Total Iron (mg/L)	0.3		0.15
		Total Manganese (mg/L)	1.9		0.026
		Total Boron (mg/L)	0.94		<0.02
		Total Cobalt (mg/L)	0.0014		<0.001
		Total Copper (mg/L)	0.0014		<0.001
		Total Nickel (mg/L)	0.011		0.002

Sampling Point Frequency	Frequency	Pollutant	Limit	Date	Measurement
Dam 4 Due Diligence Sample (Non-Discharge) ¹	Monthly	pH (pH unit)	6.5 – 8.5	06/05/26	7.9
		Conductivity (µS/cm)	650		140
		TSS (mg/L)	50		8
		Oil & Grease (mg/L)	10		<5
		Total Boron (mg/L)	0.94		0.03
		Total Cobalt (mg/L)	0.0014		0.001
		Total Copper (mg/L)	0.0014		0.003
		Total Nickel (mg/L)	0.011		0.007
		Total Zinc (mg/L)	0.008		0.01
		Total Iron (mg/L)	0.3		1.3

¹ – sample collected for due diligence purposes only.

5 NOISE LIMITS

Attended noise monitoring is required to be undertaken on a quarterly frequency. Noise Monitoring reports for previous quarters are available on the Castlereagh Coal website: <https://ccoal.com.au/environmental-reporting-compliance/>

6 BLASTING

No blasting was undertaken during May 2026.

7 DISCLAIMER

This report is considered accurate at the date of issue with regard to current environmental conditions. Monitoring results may vary from those presented in this report following further assessment. This report must not be reproduced except in full. Results or figures from this report must not be used without acknowledgment.

Yours Faithfully,

CASTLEREAGH COAL