

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 August 2024 to July 2025. 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: July 2025

Obtained: 25/11/2025		Premises: Cullen Valley Mine		
Published: 25/11/2025		Licensee: Shoalhaven Coal		
		EPL Number: 10341		
		Exposure		Period: 32 days
Sampling Point	Start Date	End Date	Insoluble Solids (g/m ² /month)	Rolling Annual Average (g/m ² /month)
CDD1 (Railway)	03/07/2025	04/08/2025	0.4	0.79
CDD2 (Hillcroft)	03/07/2025	04/08/2025	0.6	0.54
CDD3 (Office)	03/07/2025	04/08/2025	0.6	1.11
CDD4 (Cranes)	03/07/2025	04/08/2025	0.7	0.87
CDD5 (Doble)	03/07/2025	04/08/2025	0.5	0.56
Annual Average Limit				4.0

Required Frequency: Monthly - exposure period 30 ± 2 days
Rolling annual average calculation period from August 2024 to July 2025

3.2 PM10 AND TSP

The 24-hour maximum PM₁₀ particulate matter concentration less than 10 microns (PM₁₀) criterion of 50 µg/m³ was not exceeded during July 2025. The PM₁₀ and total suspended particulate (TSP) annual average results were in compliance with the annual average limit for the period August 2024 to July 2025.

PM₁₀ and TSP results for July 2025 are presented in Table 2.

Table 2: High Volume Air Sampler Monitoring Results: July 2025

Obtained: 25/07/2025		Premises:	Cullen Valley Mine
Published: 25/11/2025		Licensee:	Shoalhaven Coal
		EPL Number:	10341
Sampling Point	Run Date	PM10 (µg/m ³)	TSP (µg/m ³) ^
HVAS1	11/07/2025	Invalid	Invalid
Rolling Annual Average (Calculation period August 2024 to July 2025)		12.8	31.9
24 Hour Limit		50	--
Annual Average Limit		30	90

^TSP calculated from an estimate of PM₁₀

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

-- No Limit

Required runs not completed. Catchup runs to be completed in August/September 2025.

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) in July 2025, samples were collected from Dam 3 for due diligence purposes only. Discharge was observed at Dam 4 (EPA Point 4) throughout July 2025 and was sampled weekly.

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

Table 3: Discharge Water Quality Results – July 2025

Obtained: 04/11/2025		Premises: Cullen Valley Mine			
Published: 25/11/2025		Licensee: Shoalhaven Coal			
		EPL Number: 10341			
Sampling Point Frequency	Frequency	Pollutant	Limit	Date	Measurement
Dam 3 Due Diligence Sample (Non-Discharge) ¹	N/A	pH (pH unit)	6.5 – 8.5	03/07/2025	7.3
		Conductivity (µS/cm)	--	03/07/2025	180
		TSS (mg/L)	50	03/07/2025	11
		Oil & Grease (mg/L)	10	03/07/2025	<5
		Total Iron (mg/L)	--	03/07/2025	0.13
		Total Manganese (mg/L)	--	03/07/2025	0.01
Discharge Point 1 (Dam 3) (EPA Point 1)	Weekly during discharge	pH (pH unit)	6.5 – 8.5	--	N/A
		Conductivity (µS/cm)	--	--	N/A
		TSS (mg/L)	50	--	N/A
		Oil & Grease (mg/L)	10	--	N/A
		Total Iron (mg/L)	--	--	N/A
		Total Manganese (mg/L)	--	--	N/A
Dam 4 (EPA Point 4)	Weekly during discharge	pH (pH unit)	6.5 – 8.5	03/07/2025	7.2
				09/07/2025	6.5
				17/07/2025	7.1
				23/07/2025	7.4
				31/07/2025	6.5
		Conductivity (µS/cm)	--	03/07/2025	380
				09/07/2025	341
				17/07/2025	358
				23/07/2025	818
				31/07/2025	323

Sampling Point Frequency	Frequency	Pollutant	Limit	Date	Measurement
Dam 4 (EPA Point 4)		TSS (mg/L)	50	03/07/2025	23
				09/07/2025	40
				17/07/2025	14
				23/07/2025	<5
				31/07/2025	12
		Oil & Grease (mg/L)	10	03/07/2025	<5
				09/07/2025	<5
				17/07/2025	<5
				23/07/2025	<5
				31/07/2025	<5
		Total Iron (mg/L)	--	03/07/2025	0.38
				09/07/2025	0.8
				17/07/2025	0.19
				23/07/2025	0.16
				31/07/2025	0.33
		Total Manganese (mg/L)	--	03/07/2025	0.03
				09/07/2025	0.03
				17/07/2025	0.02
				23/07/2025	0.1
				31/07/2025	0.06

1 – sample collected for due diligence purposes only.

--No limit provided in EPL 10341

The pH, TSS and oil and grease at Dam 4 were complaint. Dam 3 was sampled for due diligence purposes only as there was no discharge conducted throughout the reporting period.

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 July 2025.

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