

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 March 2025 to February 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**.

MONTHLY ENVIRONMENTAL MONITORING DATA
February 2026



Table 1: Depositional Dust Monitoring Results: February 2026

Obtained: 02/04/2026		Premises: Cullen Valley Mine		
Published: 08/04/2026		Licensee: Shoalhaven Coal Pty Ltd		
		EPL Number: 10341		
		Exposure		Period: 31 days
Sampling Point	Start Date	End Date	Insoluble Solids (g/m ² /month)	Rolling Annual Average (g/m ² /month)
CDD1 (Railway)	06/02/2026	09/03/2026	0.5	0.6
CDD2 (Hillcroft)	06/02/2026	09/03/2026	0.7	0.4
CDD3 (Office)	06/02/2026	09/03/2026	0.4	0.6
CDD4 (Cranes)	06/02/2026	09/03/2026	1.2	0.7
CDD5 (Doble)	06/02/2026	09/03/2026	0.2	0.5
Annual Average Limit				4.0

Required Frequency: Monthly - exposure period 30 ± 2 days

Rolling annual average calculation period from March 2025 to February 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 February 2026. The PM₁₀, PM_{2.5} and total suspended particulate (TSP) annual average results were compliant with the annual average limit for the period March 2025 to February 2026.

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

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

Obtained: 02/04/2026		Premises: Cullen Valley Mine		
Published: 08/04/2026		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	05/02/2026	18.0	9.0	45.0
	11/02/2026	19.0	9.5	47.5
	17/02/2026	7.0	3.5	17.5
	23/02/2026	15.0	7.5	37.5
Rolling Annual Average (Calculation period March 2025 to February 2026)		9.5	4.7	23.6
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) in February 2026, samples were collected from Dam 3 for due diligence purposes only. Discharge was observed at Dam 4 (EPA Point 4) throughout February 2026 and was sampled weekly.

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

Table 3: Discharge Water Quality Results – February 2026

Obtained: 12/03/26		Premises: Cullen Valley Mine			
Published: 08/04/26		Licensee: Shoalhaven Coal Pty Ltd			
		EPL Number: 10341			
Sampling Point Frequency	Frequency	Pollutant	Limit	Date	Measurement
Dam 3 Due Diligence Sample (Non-Discharge) ¹	Monthly	pH (pH unit)	6.5 – 8.5	09/02/2026	7.2
		Conductivity (µS/cm)	650		200
		TSS (mg/L)	50		19
		Oil & Grease (mg/L)	10		<5
		Total Iron (mg/L)	0.3		0.3
		Total Manganese (mg/L)	1.9		0.03
Discharge Point 1 (Dam 3) (EPA Point 1)	Weekly during discharge	pH (pH unit)	6.5 – 8.5	--	N/A
		Conductivity (µS/cm)	650	--	N/A
		TSS (mg/L)	50	--	N/A
		Oil & Grease (mg/L)	10	--	N/A
		Total Boron (mg/L)	0.94	--	N/A
		Total Cobalt (mg/L)	0.0014	--	N/A
		Total Copper (mg/L)	0.0014	--	N/A
		Total Nickel (mg/L)	0.011	--	N/A

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Sampling Point Frequency	Frequency	Pollutant	Limit	Date	Measurement		
Discharge Point 1 (Dam 3) (EPA Point 1)	Weekly during discharge	Total Zinc (mg/L)	0.008	--	N/A		
		Total Iron (mg/L)	0.3	--	N/A		
		Total Manganese (mg/L)	1.9	--	N/A		
Dam 4 (EPA Point 4)	Weekly during discharge	pH (pH unit)	6.5 – 8.5	04/02/2026 11/02/2026 17/02/2026 25/02/2026	7.2 7.3 7.3 7.3		
		Conductivity (µS/cm)	-- 650	04/02/2026 11/02/2026 17/02/2026 25/02/2026	670 676 467 402		
		TSS (mg/L)	50	04/02/2026 11/02/2026 17/02/2026 25/02/2026	416 10 6 <5		
		Oil & Grease (mg/L)	10	04/02/2026 11/02/2026 17/02/2026 25/02/2026	<5 <5 <5 <5		
		Total Boron (mg/L)	-- 0.94	04/02/2026 11/02/2026 17/02/2026 25/02/2026	<0.05 <0.05 <0.05 <0.05		
		Total Cobalt (mg/L)	- 0.0014	04/02/2026 11/02/2026 17/02/2026 25/02/2026	0.013 0.001 <0.001 <0.001		
		Total Copper (mg/L)	- 0.0014	04/02/2026 11/02/2026 17/02/2026 25/02/2026	0.003 <0.001 <0.001 <0.001		
		Total Nickel (mg/L)	- 0.011	04/02/2026 11/02/2026 17/02/2026 25/02/2026	0.042 0.006 0.003 0.006		
		Dam 4 (EPA Point 4)	Weekly during discharge	Total Zinc (mg/L)	- 0.008	04/02/2026 11/02/2026 17/02/2026 25/02/2026	0.047 <0.005 <0.005 <0.005
				Total Iron (mg/L)	- 0.3	04/02/2026 11/02/2026 17/02/2026 25/02/2026	22.3 0.52 0.4 0.45

Sampling Point Frequency	Frequency	Pollutant	Limit	Date	Measurement
Dam 4 (EPA Point 4)	Weekly during discharge	Total Manganese (mg/L)	-	04/02/2026	2.78
				11/02/2026	0.309
				17/02/2026	0.196
				25/02/2026	0.244

1 – sample collected for due diligence purposes only.

A variation to analyte concentration limits was received by the EPA as part of the variation to EPL10341 on 8 August 2025. The concentrations for pH, oil and grease and Boron at Dam 4 were compliant with the updated concentration limits for all weeks during discharge in February. TSS, Cobalt, Copper, Manganese, Nickel and Zinc concentrations limits were exceeded in one week, EC concentration limits were exceeded in two weeks and Iron concentration limits were exceeded in all four weeks in February 2026.

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 February 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