

MONTHLY ENVIRONMENTAL REPORT

June
2025

Name of Operation	Endeavor Mine
Name of Licensee	Endeavor Operations Pty Ltd
Environmental Protection Licence	No: 1301
Reporting Period Start Date	1 June 2025
Reporting End Date	31 June 2025

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1 INTRODUCTION

We at Polymetals Endeavor Mine conduct systematic and periodic environmental monitoring of our operations to substantiate the effectiveness of our environmental controls. These are in place to protect the environment, the health of our workers, our neighbours, and the greater community. The results in this report correspond to June 2025. This report publishes the summary of the environmental monitoring carried out this month for dust deposition, tailings deposition and groundwater. All monitoring is conducted in accordance with regulatory requirements. Samples are collected and handled in accordance and compliance with regulatory requirements and analysed through laboratories accredited by the National Association of Testing Authorities (NATA).

2 MONITORING RESULTS

2.1 Dust Monitoring

Air quality aspects and impacts associated with site operations are managed in accordance with the requirement detailed in NSW Environmental Protection Licence 1301 (EPL1301).

The Polymetals Endeavor Mine is located 47 km from the nearest town (Cobar) and 4.5 km away from its nearest sensitive receptor (residential property), therefore dust deposition at these receptors is considered a low environmental risk.

Dust deposition on and beyond the boundary of the lease has the potential to cause environmental harm. Endeavor Mine therefore manages airborne contaminants on site through the use of water sprays and a water truck, with depositional dust monitoring stations strategically located along the boundary of ML158/159/160/161 to measure performance.



Figure 2.1 Dust monitoring gauge

2.1.1 Dust Monitoring Methodology and Limits

The Endeavor Mine Dust Monitoring Program measures dust deposition rates on a monthly basis at the main mining lease boundary (4 locations) and at a background location located 11km from the operating mine site (DDG 5 – Point ID 5). EPL Licence 1301 does not set limits for dust deposition. The Endeavor mine has chosen deposition rate for total insoluble matter that, when expressed as a 12 month rolling average, should not exceed 4 g/m²/month. It is also agreed that site activities should not generate dust emissions which result in a dust deposition rate greater than 2 g/m²/month above background levels on an annual average. Table 2-1 describes the Pollutant, Units of Measure, Monitoring Frequency and Method of Sampling.

2.1.2 Monitoring Locations

Table 2-1 Endeavor Mine Air Monitoring Requirements

Point ID	Pollutant	Unit of measure	Frequency	Sampling Method
1 (DDG1)	Particulates - Deposited matter	grams per square metre per month	Monthly	AM-19
2 (DDG2)	Particulates - Deposited matter	grams per square metre per month	Monthly	AM-19
3 (DDG3)	Particulates - Deposited matter	grams per square metre per month	Monthly	AM-19
4 (DDG4)	Particulates - Deposited matter	grams per square metre per month	Monthly	AM-19
5 (DDG5)	Particulates - Deposited matter	grams per square metre per month	Monthly	AM-19

As shown in the satellite image (Figure 2.2), there are 5 dust monitoring locations on the boundary of the lease, with one located 11kms from the site at the turnoff to the Mine site near the Louth Road. This station was positioned to establish background levels.

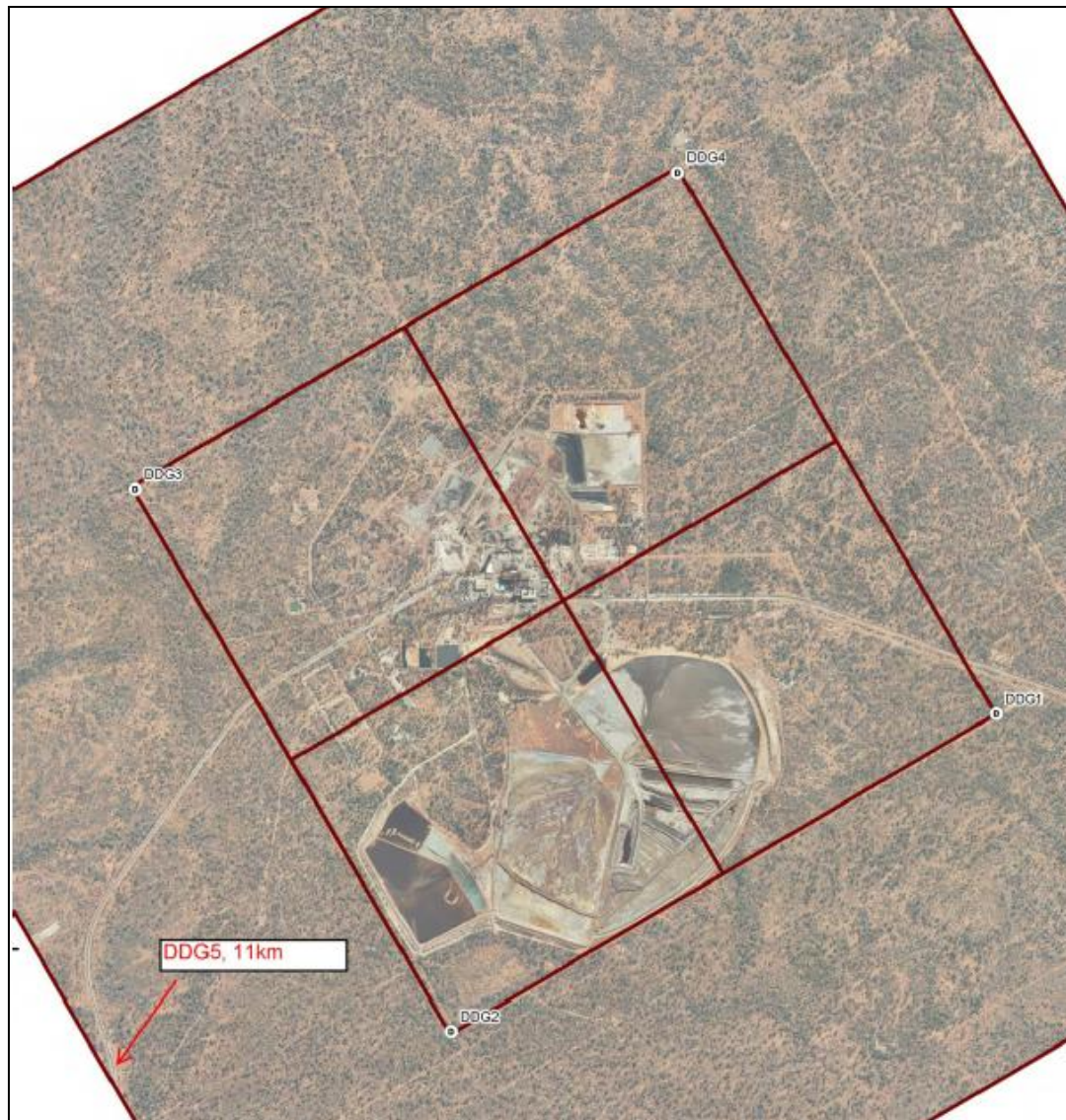


Figure 2.2 Endeavor Mine Dust Monitoring Locations

2.1.3 Dust Monitoring Data

This report shows the results from the dust monitoring activities carried out between 15/05/2025 - 12/06/2025 (Table 2-2). All values remain well under the recommended guidance values.

Table 2-2 Dust monitoring results June 2025

Monitoring locations (Monitoring from 15/05/2025 -12/06/2025)						
Parameters	Unit	DDG1	DDG2	DDG3	DDG4	DDG5
Total soluble matter	g/m ² month	1.1	1.6	5.9	0.1	1.2
Total insoluble matter	g/m ² month	1.0	0.5	8.1	0.5	0.5

2.2 Groundwater Monitoring

Deep regional groundwater flows to the south-west, conforming to the structural dip of the underlying sedimentary rocks. Groundwater inflow into the mine is observed at a depth range of between 60 to 80 m below ground surface. A shallow, perched aquifer occurs is found in the vicinity of the Central Tailings Discharge CTD between approximately 0.5 to 13 m below ground surface. This aquifer is recharged by rainfall and seepage water from the operational TSF via a permeable gravelly soil layer in the area.

A review of groundwater characteristics undertaken by consultants Environmental Earth Sciences (EES) in 2013 indicates there is no interface between the shallow perched water and the deep regional aquifer.

Groundwater quality at the mine is generally poor due to the high salinity. The water has been sampled by NSW Water Conservation and Irrigation for the original Environmental Impact Statement (EIS), and could be considered “brackish”, with an electrical conductivity (EC) of 26,000 $\mu\text{S}/\text{cm}$ (sea water is approximately 30,000 $\mu\text{S}/\text{cm}$). Further, it was noted that the water was not suitable for stock, domestic or farm use. Potential contamination of the groundwater would be of low risk due to the naturally poor quality of the water.

2.2.1 Monitoring Locations

Endeavor Mine’s groundwater monitoring locations are concentrated around the perimeter of the Central Tailings Discharge (CTD) and the Sector 5 Tailings Storage Facility (CTF), while surface water monitoring locations are focused on water storages that could potentially discharge to environment during a major rain or storm event. Table 2-3 describes the monitoring stations, where Figure 2.3 shows the locations of the piezometers. Depending on availability of water or flow, unfortunately on some occasions, piezometers cannot be monitored due to being dry. Parameters to be monitored are described in

Table 2-4.

Table 2-3 EPA Monitoring Stations



EPA ID	Type of monitoring point	Location description
9	Groundwater monitoring point	PZ Labeled as BH02
10	Groundwater monitoring point	PZ Labeled as BH02B
11	Groundwater monitoring point	PZ Labeled as BH03B
12	Groundwater monitoring point	PZ Labeled as BH06
13	Groundwater monitoring point	PZ Labeled as BH08A
14	Groundwater monitoring point	PZ Labeled as BH09
15	Groundwater monitoring point	PZ Labeled as BH10
16	Groundwater monitoring point	PZ Labeled as BH10B
17	Groundwater monitoring point	PZ Labeled as BH12B
18	Groundwater monitoring point	PZ Labeled as BH14
19	Groundwater monitoring point	PZ Labeled as BH15
20	Groundwater monitoring point	PZ Labeled as BH16

EPA ID	Type of monitoring point	Location description
25	Groundwater monitoring point	PZ Labeled as BH13

Table 2-4 EPA Monitoring Parameters

Pollutant	Unit of measure	Frequency	Sampling method
Arsenic	milligrams per litre	Quarterly	Representative sample
Cadmium	milligrams per litre	Quarterly	Representative sample
Calcium	milligrams per litre	Quarterly	Representative sample
Chloride	milligrams per litre	Quarterly	Representative sample
Copper	milligrams per litre	Quarterly	Representative sample
Cyanide (total)	milligrams per litre	Quarterly	Representative sample
Electrical conductivity	milligrams per litre	Quarterly	Representative sample
Iron	milligrams per litre	Quarterly	Representative sample
Lead	milligrams per litre	Quarterly	Representative sample
Magnesium	milligrams per litre	Quarterly	Representative sample
Manganese	milligrams per litre	Quarterly	Representative sample
Mercury	milligrams per litre	Quarterly	Representative sample
pH	pH	Quarterly	Representative sample
Potassium	milligrams per litre	Quarterly	Representative sample
Sodium	milligrams per litre	Quarterly	Representative sample
Standing water level	metres	Quarterly	Representative sample
Sulfate	milligrams per litre	Quarterly	Representative sample
Total dissolved solids	milligrams per litre	Quarterly	Representative sample
Zinc	milligrams per litre	Quarterly	Representative sample



LEGEND
 Piezometers
 Mining Lease Boundary

Scale 1:28,621
 0 0.15 0.3 0.45 0.6 0.75
 Kilometres

Grid: GDA 1994 MGA Zone 55
 Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1994



CBH Resources Pty Ltd
 Endeavor Operations Limited

Revision | A
 Date | 25/03/2015

Piezometer Monitoring Locations

Plan 7

Figure 2.3 Location of Piezometers

Table 2.5: Groundwater Monitoring Results June 2025

Monitoring Locations (EPA ID)			BH 02	BH 02B	BH03	BH 06	BH 08A	BH 09	BH 10	BH 10B	BH 12B	BH13	BH 14	BH15	BH 16
			9	10	11	12	13	14	15	16	17	25	18	19	20
Standing Water Levels (m)			2.98	3.85	3.8 (dry)	3.6	5.8	4.23	8.6	6.1	6.94	2.73	6.69	12.73 (dry)	4.1
pH Value	Lab	pH Unit	7.36	7.29	-	5.62	7.55	7.68	7.84	7.63	7.46	7.19	7.45	-	6.91
Elect. Cond.	Lab	µS/cm	15300	27400	-	15600	28800	16100	22600	19700	25800	29000	25900	-	31500
Temp	Field	C	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Dissolved Solids @180Â°C		mg/L	15600	20600	-	19900	24900	16000	19800	22000	22100	24300	32800		24200
Sulfate as SO4 -		mg/L	6860	4880	-	10500	6910	7250	11000	12300	5750	8450	20400	-	6920
Chloride		mg/L	2290	7660	-	1870	7840	2750	3930	2630	6940	7640	3070		8940
Calcium		mg/L	681	359	-	540	755	616	514	671	890	892	604	-	877
Magnesium		mg/L	1480	884	-	1420	1620	1600	1020	2480	1530	2030	5360	-	1520
Sodium		mg/L	1750	5440	-	1320	4830	1880	4650	2290	3850	4720	2180	-	6010
Potassium		mg/L	113	192	-	100	200	155	229	224	216	180	347	-	102
Arsenic		mg/L	0.012	<0.001	-	<0.001	0.002	0.008	0.026	0.006	0.003	0.004	<0.001	-	<0.010
Cadmium		mg/L	<0.0001	0.0025	-	0.0811	<0.0001	<0.0001	0.0034	<0.0001	0.0003	<0.0001	0.0003	-	0.0467
Copper		mg/L	<0.001	<0.001	-	<0.001	0.001	0.001	0.007	0.001	0.002	<0.001	<0.010	-	<0.010
Lead		mg/L	<0.001	<0.001	-	<0.001	0.003	<0.001	0.025	<0.001	<0.001	0.001	<0.010	-	<0.010
Manganese		mg/L	8.03	0.882	-	52.4	6.24	0.032	0.027	5.01	5.46	12.3	25.0	-	46.4
Zinc		mg/L	<0.005	0.046	-	37.2	0.022	0.016	0.898	0.005	0.012	0.956	0.204	-	106
Iron		mg/L	<0.05	0.49	-	1410	<0.05	<0.05	<0.05	<0.05	<0.05	0.17	0.15	-	3.31
Mercury		mg/L	<0.0001	<0.0001	-	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-	<0.0001
Total Cyanide		mg/L	<0.004	<0.004	-	0.012	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	-	<0.004

2.3 Tailings Deposition

Tailings (also known as tails or residue) are the material left over after the process of separating the valuable fraction from the uneconomic fraction (waste) of the ore. Tailings are distinct from overburden or waste rock or other material that overlies an ore or mineral body and is displaced during mining without being processed.

The volumes of tailings can be large and require an engineered storage and capacity to safely house them. Depending on the nature of the ore and the type of extraction process, tailings can have the potential to harm the environment if not deposited and managed correctly.

The reporting of monthly tailings deposition is a legislative requirement as part of EPL 1301.

2.3.1 Tailings Deposition: Data and Discussion

From the 12th of June 2025, Endeavor Mine began processing ore and producing concentrate after a period of 5.5 years in care and maintenance. Table 2-6 below shows the deposition for June 2025. Only EPA Monitoring point 8 is currently being utilised.

Table 2-6 Tailings Deposition for June 2025

	Environment Protection Licence Monitoring Point 7		Environment Protection Licence Monitoring Point 8		TOTAL
	Volume of tailings deposited (m ³)	Mass of tailing solids deposited (DMT)	Volume of tailings deposited (KL)	Mass of tailing solids deposited (DMT)	Mass of tailing solids deposited (DMT) YTD
June 2025	-	-	55,153	33,029t	33,029t

3 RESULTS LOG

Table 3-1 Laboratory results log

Samples	Results received from laboratory
Dust deposition	July 2025
Date report posted on website	July 2025

4 COMPLAINTS HOTLINE

Endeavor Mine has established a complaints hotline for members of the Public to voice any concerns they have with Endeavor Mine activities. The phone number to call is (02) 68302555 or email on info@polymetals.com. Endeavor will investigate any complaint and take immediate action if the complaint is validated.