



Mannering Colliery Monthly Website Report – March 2026

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| Site: | Mannering Colliery |
| Department: | Health Safety and Environment |
| Report Title: | Monthly Environmental Report – March 2026 |
| Report Date: | 8 th April 2026 |
| Distribution: | Delta Coal website |

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Summary

Environmental monitoring results are presented in this report for monitoring undertaken during the period of March 2026.

Introduction

Great Southern Energy Pty Ltd (trading as Delta Coal) operates Manning Colliery, an underground coal mine at the southern end of Lake Macquarie.

Manning Colliery operates under the following regulatory instruments:

- Section 66(6) of the *Protection of the Environmental Operations Act 1997*, to make monitoring data related to an Environment Protection Licence (EPL) publicly available;
- Condition 10 & 13, Schedule 5, of Project Approval 06_0311 (as modified) to provide details of monitoring results and environmental performance;
- An Environment Protection Licence (EPL 191) issued under the *Protection of the Environment Operations Act 1997*; and
- A Water Access Licence (WAL40461), Aquifer (Sydney Basin – North Coast Groundwater Source) for 450-unit shares (megalitres).

Details of the Manning Colliery EPL 191 are provided below.

| Manning Colliery Information | |
|------------------------------|---|
| Premises name | Manning Colliery |
| Address | Ruttleys Road, Doyalson, NSW, 2262 |
| Licensee | Great Southern Energy Pty Ltd |
| EPL # | 191 |
| EPL location | EPL 0191 - 24 June 2025 |

The overall purpose of this monthly report is to keep stakeholders informed of the environmental monitoring results at Manning Colliery and maintain a transparent and accountable reporting system.

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Scope

This report presents the results from the various environmental monitoring programs undertaken for Manning Colliery. Results are presented monthly with annual data, averages and trends in data also shown where relevant.

Where applicable, the results of the monitoring programs are compared with the relevant criteria (from the EPL or Project Approval) to assess compliance.

Monitoring results presented include:

- Water – quality;
- Water – volume;
- Air Quality – Depositional Dust
- Air Quality – PM₁₀
- Air Quality – PM_{2.5}; and
- Meteorological data.

Definitions

g/m²/month – grams per square metre per month;

kL – kilolitre;

ML – megalitre;

mg/L – milligrams per litre;

TSS – total suspended solids;

µg/L – micrograms per litre; and

µS/cm – microSiemens per centimetre.

References

Project Approval MP06_0311 (as modified)

Environment Protection Licence 191 (Licence version date: 9 April 2025)

ALS - Dust Deposition Report **March 2026**

ALS – MC Water Analysis Reports **March 2026**

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Monitoring Results

Water – Quality

Weekly water quality results for discharge point LDP001 are presented below.

| March 2026 | | | | |
|------------------------------------|-------------------------------|------------|-----------------------|---------------------------------|
| EPL | 191 | | | |
| Licensee | Great Southern Energy Pty Ltd | | | |
| Premises | Manning Colliery | | | |
| Location | LDP001 (EPA ID # 1) | | | |
| Sample Frequency | Weekly | | | |
| pH limit | 6.5 - 8.5 | | | |
| TSS limit (mg/L) | 50 | | | |
| Oil and grease limit (mg/L) | 10 | | | |
| Water Quality Results | | | | |
| Date | pH | TSS (mg/L) | Oil and grease (mg/L) | Electrical Conductivity (µS/cm) |
| 5/03/2026 | 7.81 | 11 | <5 | 25700 |
| 12/03/2026 | 7.81 | 14 | <5 | 22100 |
| 18/03/2026 | 7.79 | 9 | <5 | 7480 |
| 24/03/2026 | 8.06 | 6 | <5 | 2640 |
| Average | 7.87 | 10 | <5 | 14480 |

There were no exceedances of water quality criteria in March 2026 at Manning Colliery.

Monthly water quality results, primarily metals and metalloids, at LDP001 are presented below.

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| Sub-Matrix: WATER (Matrix: WATER) | | Sample ID | | LDP001 |
|---|------------|-----------|----------------------|-------------------|
| | | | Sampling date / time | 18-Mar-2026 10:00 |
| Compound | CAS Number | LOR | Unit | EN2604321-001 |
| | | | | Result |
| ED040F: Dissolved Major Anions | | | | |
| Sulfur as S | 63705-05-5 | 1 | mg/L | 44 |
| Silicon as SiO2 | 7440-21-3 | 0.1 | mg/L | 6.4 |
| ED093T: Total Major Cations | | | | |
| Calcium | 7440-70-2 | 1 | mg/L | 79 |
| Magnesium | 7439-95-4 | 1 | mg/L | 73 |
| Potassium | 7440-09-7 | 1 | mg/L | 12 |
| EG020F: Dissolved Metals by ICP-MS | | | | |
| Aluminium | 7429-90-5 | 10 | µg/L | <10 |
| Arsenic | 7440-38-2 | 1 | µg/L | 4 |
| Beryllium | 7440-41-7 | 1 | µg/L | <1 |
| Cadmium | 7440-43-9 | 0.1 | µg/L | <0.1 |
| Chromium | 7440-47-3 | 1 | µg/L | <1 |
| Cobalt | 7440-48-4 | 1 | µg/L | <1 |
| Copper | 7440-50-8 | 1 | µg/L | <1 |
| Lead | 7439-92-1 | 1 | µg/L | <1 |
| Manganese | 7439-96-5 | 1 | µg/L | 14 |
| Molybdenum | 7439-98-7 | 1 | µg/L | 3 |
| Nickel | 7440-02-0 | 1 | µg/L | 1 |
| Selenium | 7782-49-2 | 10 | µg/L | <10 |
| Silver | 7440-22-4 | 1 | µg/L | <1 |
| Vanadium | 7440-62-2 | 10 | µg/L | <10 |
| Zinc | 7440-66-6 | 5 | µg/L | 22 |
| EG020T: Total Metals by ICP-MS | | | | |
| Aluminium | 7429-90-5 | 10 | µg/L | 130 |
| Antimony | 7440-36-0 | 1 | µg/L | 3 |
| Arsenic | 7440-38-2 | 1 | µg/L | 5 |
| Beryllium | 7440-41-7 | 1 | µg/L | <1 |
| EG020T: Total Metals by ICP-MS - Continued | | | | |
| Barium | 7440-39-3 | 1 | µg/L | 135 |
| Cadmium | 7440-43-9 | 0.1 | µg/L | <0.1 |
| Chromium | 7440-47-3 | 1 | µg/L | <1 |
| Cobalt | 7440-48-4 | 1 | µg/L | <1 |
| Copper | 7440-50-8 | 1 | µg/L | 1 |
| Lead | 7439-92-1 | 1 | µg/L | <1 |
| Lithium | 7439-93-2 | 1 | µg/L | 158 |
| Molybdenum | 7439-98-7 | 1 | µg/L | 4 |
| Nickel | 7440-02-0 | 1 | µg/L | <1 |
| Selenium | 7782-49-2 | 10 | µg/L | <10 |
| Silver | 7440-22-4 | 1 | µg/L | <1 |
| Tin | 7440-31-5 | 1 | µg/L | 1 |
| Titanium | 7440-32-6 | 10 | µg/L | <10 |
| Vanadium | 7440-62-2 | 10 | µg/L | <10 |
| Zinc | 7440-66-6 | 5 | µg/L | 24 |
| Boron | 7440-42-8 | 50 | µg/L | 120 |
| Iron | 7439-89-6 | 50 | µg/L | 120 |
| EG035F: Dissolved Mercury by FIMS | | | | |
| Mercury | 7439-97-6 | 0.1 | µg/L | <0.1 |
| EG035T: Total Recoverable Mercury by FIMS | | | | |
| Mercury | 7439-97-6 | 0.1 | µg/L | <0.1 |
| EK055G: Ammonia as N by Discrete Analyser | | | | |
| Ammonia as N | 7664-41-7 | 0.01 | mg/L | 0.10 |
| EK067G: Total Phosphorus as P by Discrete Analyser | | | | |
| Total Phosphorus as P | ---- | 0.01 | mg/L | <0.01 |

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Water – Volume

Monthly water volumes discharged via MC's LDP1 during March 2026 at Mannering Colliery are summarised below.

| | |
|------------------------|-------------------------------|
| EPL | 191 |
| Licensee | Great Southern Energy Pty Ltd |
| Premises | Mannering Colliery |
| Date Sampled | Daily |
| Discharge volume limit | 4000 kilolitres per day |
| Sampling Point | LDP001 (EPA ID # 1) |

| Date (24 hour period) | LDP 1 Volume (kL/day) | Rainfall (mm) |
|-----------------------|-----------------------|---------------|
| 1/03/2026 | 1394.25 | 0.8 |
| 2/03/2026 | 1204.65 | 0.2 |
| 3/03/2026 | 503.03 | 3.4 |
| 4/03/2026 | 593.55 | 0.2 |
| 5/03/2026 | 1194.77 | 0 |
| 6/03/2026 | 1156.28 | 0 |
| 7/03/2026 | 548.99 | 2.8 |
| 8/03/2026 | 1111.17 | 44 |
| 9/03/2026 | 2705.77 | 27.8 |
| 10/03/2026 | 1739.78 | 0.6 |
| 11/03/2026 | 1252.21 | 0 |
| 12/03/2026 | 1212.25 | 0 |
| 13/03/2026 | 615.95 | 0 |
| 14/03/2026 | 129.46 | 0 |
| 15/03/2026 | 0.00 | 0 |
| 16/03/2026 | 351.82 | 0 |
| 17/03/2026 | 702.93 | 0 |
| 18/03/2026 | 1252.02 | 10 |
| 19/03/2026 | 1115.08 | 0.4 |
| 20/03/2026 | 130.55 | 4.8 |
| 21/03/2026 | 507.24 | 0 |
| 22/03/2026 | 868.11 | 4.8 |
| 23/03/2026 | 449.02 | 0.6 |
| 24/03/2026 | 1443.75 | 0 |
| 25/03/2026 | 500.54 | 0 |
| 26/03/2026 | 987.98 | 1.8 |
| 27/03/2026 | 1062.05 | 0.8 |
| 28/03/2026 | 1056.76 | 0 |
| 29/03/2026 | 1043.85 | 0 |
| 30/03/2026 | 1238.24 | 0 |
| 31/03/2026 | 1373.24 | 0 |

| | | |
|---------|---------------|------------|
| Average | 949.9 kL/day | 3.3 mm/day |
| Maximum | 2705.8 kL/day | 44 mm/day |

Volumetric discharge remained below the daily limit of 4,000 kL per day.

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Water – Groundwater Discharge

Groundwater discharged from underground workings to the MCs surface retention Dams has been detailed below. Manning Colliery operates Water Access License 40461 permitting the extraction of 450 megalitres per financial year and reports annual use to the Water NSW, Water Accounting System (iWAS).

| MC Groundwater Pumped to Surface Totals FY2025-2026 | | |
|--|-------------------------|----------------------------------|
| Date (month) | GW Discharge (ML/Month) | GW Discharge (Cumulative ML YTD) |
| July 2025 | 22 | 22 |
| August 2025 | 24 | 46 |
| September 2025 | 20 | 66 |
| October 2025 | 25 | 91 |
| November 2025 | 23 | 114 |
| December 2025 | 22 | 136 |
| January 2026 | 20 | 156 |
| February 2026 | 25 | 181 |
| March 2026 | 19 | 200 |

Air Quality – Depositional Dust

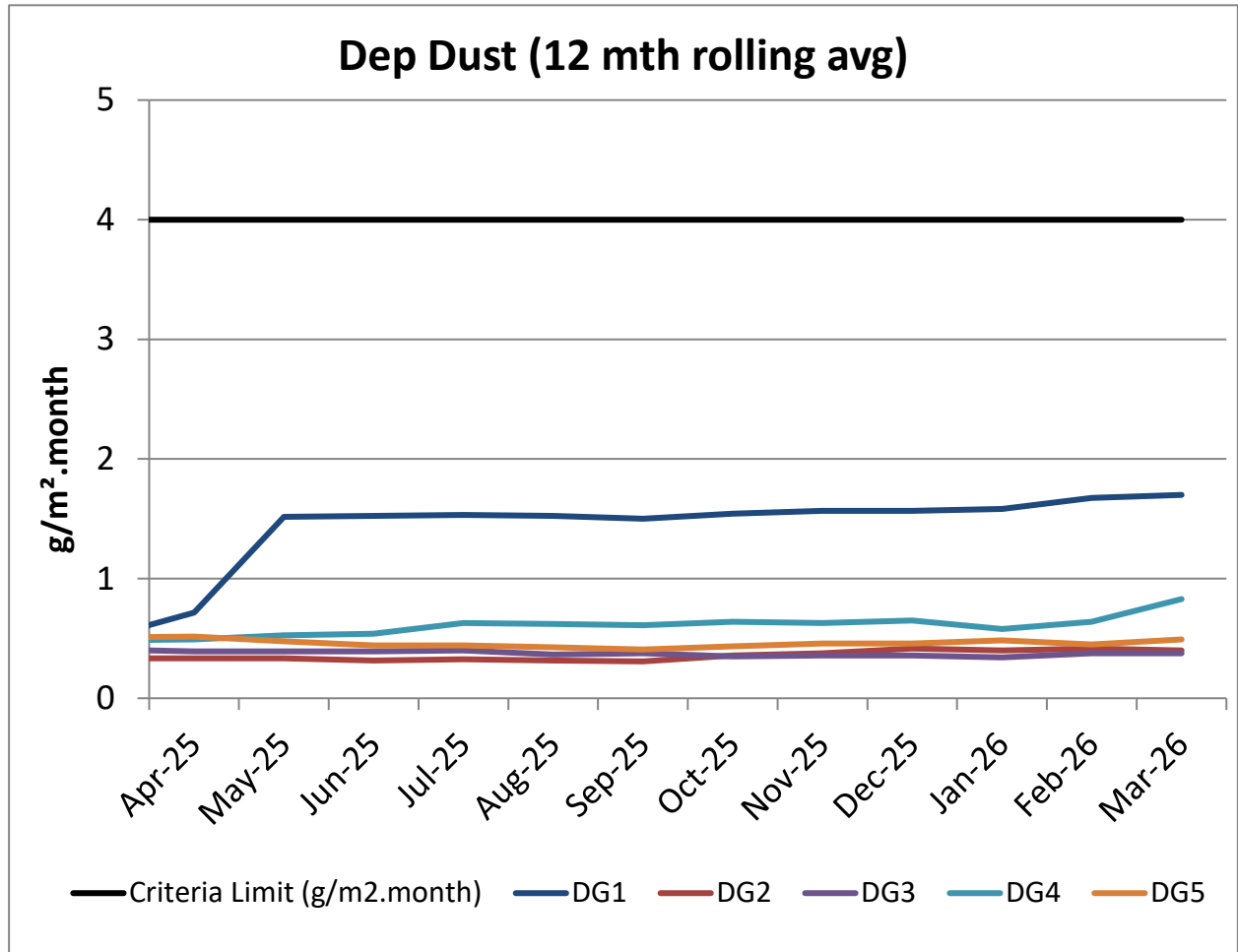
Monthly depositional dust results are shown below.

| March 2026 | | |
|----------------------|---|--|
| EPL | 191 | |
| Limits | Max. total deposited dust level | 4g/m ² /month |
| | Max. increase in deposited dust level | 2g/m ² /month |
| Sampling Date | 4/02/2026 – 5/03/2026 | |
| EPA ID no. | Site | Insoluble Matter (g/m ² /month) |
| 3 | DG1 | 0.4 |
| 4 | DG2 | 0.1 |
| 5 | DG3 | 0.2 |
| 6 | DG4 | 2.2 |
| 7 | DG5 | 0.7 |
| Notes: | Sampling locations provided in Delta Coal Air Quality and Greenhouse Gas Management Plan available on the Delta Coal website. | |

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A 12-month rolling average of depositional dust concentrations has been presented below. Manning Colliery's dust gauges are located around the perimeter of the Manning Colliery site boundary.

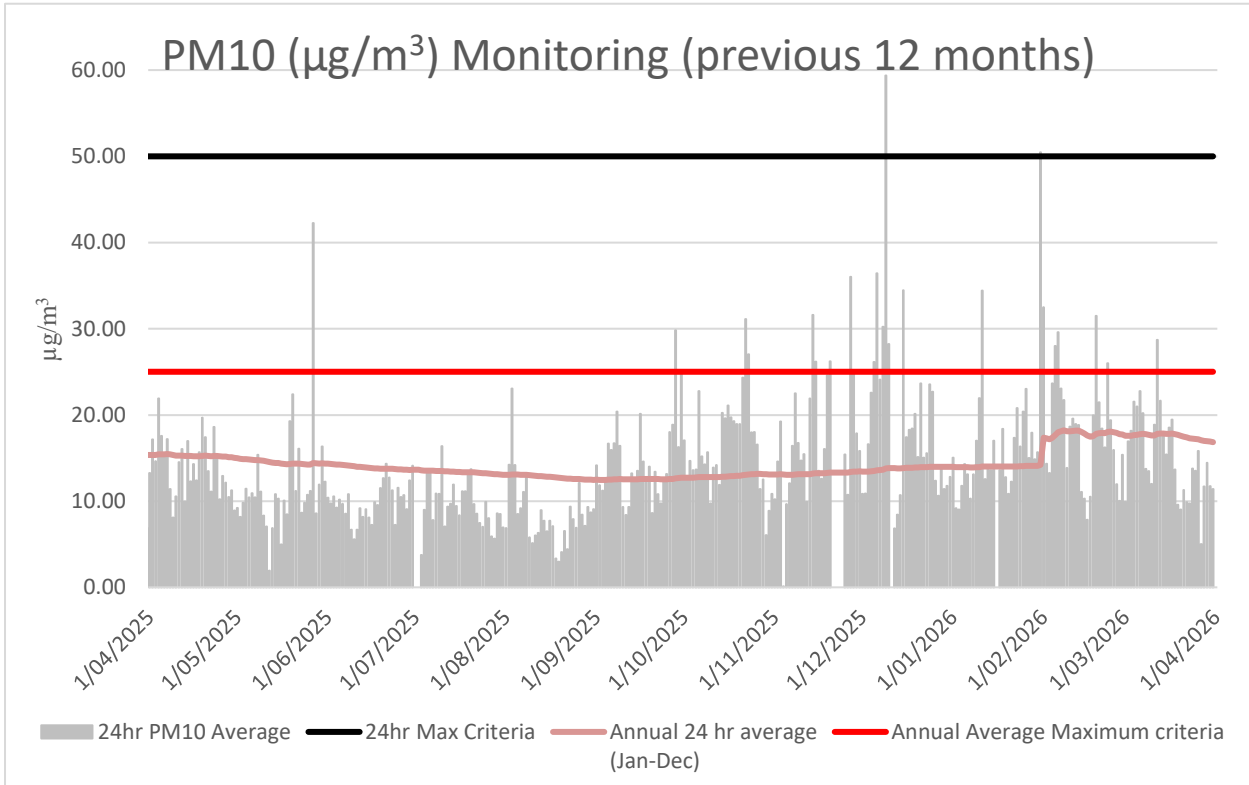


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Air Quality – PM₁₀

The 24hr PM₁₀ average from Delta Coal’s Tapered Element Oscillating Microbalance (TEOM), located at the Manning Park Sewage Treatment Plant, is presented below for the previous 12 months.



Annual 24hr PM₁₀ average maximum criteria for March 2026 was below the annual average maximum criteria limit. A summary of data availability for Delta Coal’s TEOM is presented below for the reporting period. Delta Coals TEOM had a data availability of 98.2% for the month of March 2026.

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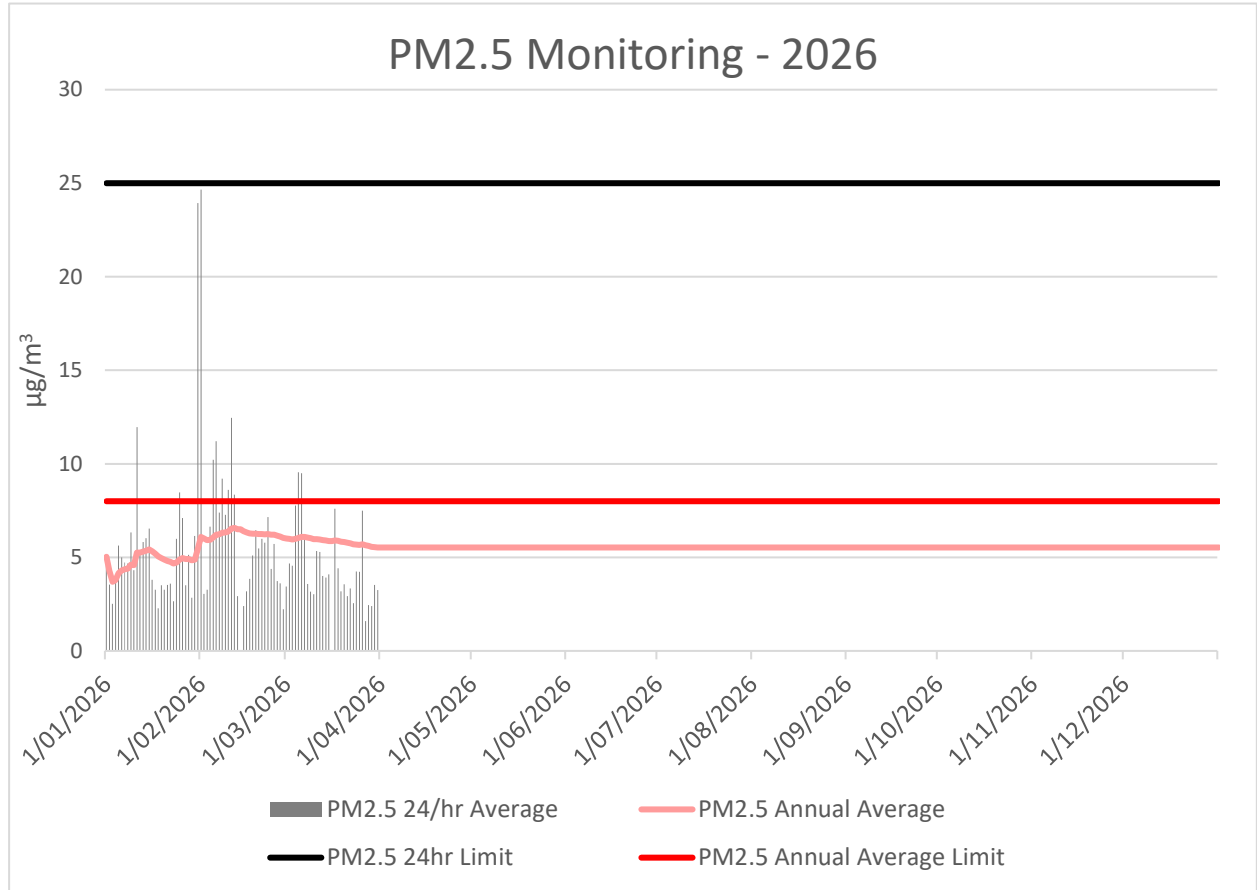
| Variable | March | Total | Valid |
|---------------|-------|-------|-------|
| A/C Temp | 100% | 8928 | 8928 |
| A1_Scaled | 100% | 8928 | 8928 |
| Band | 100% | 8928 | 8928 |
| Bypass Flow | 100% | 8928 | 8928 |
| Cap Temp | 100% | 8928 | 8928 |
| Case Temp | 100% | 8928 | 8928 |
| Config | 100% | 8928 | 8928 |
| Dew Point | 100% | 8928 | 8928 |
| Dig-In | 100% | 8928 | 8928 |
| Dig-Latch | 100% | 8928 | 8928 |
| ESN | 100% | 8928 | 8928 |
| Filter Freq | 100% | 8928 | 8928 |
| Filter Load | 100% | 8928 | 8928 |
| Humidity | 100% | 8928 | 8928 |
| MC | 100% | 8928 | 8928 |
| MC 12Hr | 100% | 8928 | 8928 |
| MC 1Hr | 100% | 8928 | 8928 |
| MC 24Hr | 100% | 8928 | 8928 |
| MC 30min | 100% | 8928 | 8928 |
| MC 8Hr | 100% | 8928 | 8928 |
| MC Total | 100% | 8928 | 8928 |
| Mobile Signal | 100% | 8928 | 8928 |
| Noise | 100% | 8928 | 8928 |
| PM10 Flow | 100% | 8928 | 8928 |
| Pressure | 100% | 8928 | 8928 |
| Site | 0.0% | 8928 | 0 |
| Temperature | 100% | 8928 | 8928 |
| Tube Temp | 100% | 8928 | 8928 |
| Vac Pressure | 100% | 8928 | 8928 |
| Volts | 100% | 8928 | 8928 |

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Air Quality – PM2.5

Delta Coal utilises PM_{2.5} data obtained from Delta Electricity owned and operated beta attenuation monitor (BAM). The PM_{2.5} monitor is located on Tingley Road, Wyee.



There were no exceedances of the PM_{2.5} daily average limit in March 2026. The 12-month rolling average PM_{2.5} value on 31 March was 5.5 $\mu\text{g}/\text{m}^3$. PM_{2.5} data availability in March was 94%. The 2026 year to date PM_{2.5} data availability is 95.79%.

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Weather Data

A summary of weather data recorded by a meteorological monitoring station at the adjacent Manning Colliery is presented below for the year to date. (EPA ID no. 26).

| Monthly Weather Data 2026 | | | |
|---------------------------|---|----------|----------|
| Licensee | Great Southern Energy Pty Ltd | | |
| Location | Manning Colliery Meteorological station | | |
| Date published | Refer report date | | |
| Date sampled | Daily | | |
| Date obtained | 8 April 2026 | | |
| Month | Total Rainfall/Month (mm) | Min Temp | Max Temp |
| Jan-26 | 224 | 14.9 | 40.4 |
| Feb-26 | 114 | 14.2 | 37.4 |
| Mar-26 | 103 | 31.9 | 12.6 |

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| Variable | March | Total | Valid |
|------------------|-------|-------|-------|
| Baro (Corrected) | 99.8% | 2976 | 2969 |
| 10m Temp | 99.8% | 2976 | 2969 |
| 2m Temp | 99.8% | 2976 | 2969 |
| A1_Scaled | 99.8% | 2976 | 2969 |
| Assumed Temp | 99.8% | 2976 | 2969 |
| Band | 99.8% | 2976 | 2969 |
| Barometric | 99.8% | 2976 | 2969 |
| Config | 99.8% | 2976 | 2969 |
| Daily Evap | 99.8% | 2976 | 2969 |
| Daily Rain | 99.7% | 2976 | 2968 |
| Delta T | 99.8% | 2976 | 2969 |
| Dew Point | 99.8% | 2976 | 2969 |
| Dig-In | 99.8% | 2976 | 2969 |
| Dig-Latch | 99.8% | 2976 | 2969 |
| ESN | 99.8% | 2976 | 2969 |
| FDI | 99.8% | 2976 | 2969 |
| Heat Index | 99.8% | 2976 | 2969 |
| Humidity | 99.8% | 2976 | 2969 |
| Mobile Signal | 99.8% | 2976 | 2969 |
| Rain | 99.8% | 2976 | 2969 |
| Raw Evap | 99.8% | 2976 | 2969 |
| S Class | 99.8% | 2976 | 2969 |
| Scalar WS | 99.8% | 2976 | 2969 |
| Sigma | 99.8% | 2976 | 2969 |
| Site | 0.0% | 2976 | 0 |
| Solar Radiation | 99.8% | 2976 | 2969 |
| Vector WD | 99.8% | 2976 | 2969 |
| Vector WS | 99.8% | 2976 | 2969 |
| Volts | 99.8% | 2976 | 2969 |
| Wind Chill | 99.8% | 2976 | 2969 |
| Wind Direction | 99.8% | 2976 | 2969 |
| Wind Speed | 99.8% | 2976 | 2969 |
| WS Avg | 99.8% | 2976 | 2969 |
| WS Gust | 99.8% | 2976 | 2969 |