



MAULES CREEK COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 20221

EPA Website Link: [Hyperlink to Maules Creek Coal, Environment Protection Licence](#)

Licensee: Maules Creek Coal Mine Pty Ltd

Licensee Address: Maules Creek Coal Mine, Therribri Road, BOGGABRI NSW 2382

EPL Monitoring Points: See Figure 1 below

Sampling Period: May 2022

Obtained Date: 16th June 2022

Publication Date: 20th June 2022

Context: This Monthly Monitoring Summary aligns with the Environment Protection Licence (EPL) No. 20221 – Maules Creek Coal Mine issued 30th March 2022 by the NSW Environment Protection Authority (EPA).

Monthly Monitoring Summary

Table 1 – Wet Weather Discharge - Surface Water Monitoring

| ID EPL (Site) | Parameter | Units | Frequency | Samples | Date | Laboratory Results Received | Min Value | Mean Value | Median Value | Max / Only Value |
|---------------|--------------|-------|----------------------------------|---------|------|-----------------------------|-----------|------------|--------------|--|
| 3 (SD3) | TSS | mg/L | Special Frequency Discharge only | | | | | | | No discharge at these locations this month |
| | Conductivity | µs/cm | | | | | | | | |
| | Oil & Grease | mg/L | | | | | | | | |
| | pH | pH | | | | | | | | |
| 36 (SD12) | TSS | mg/L | Special Frequency Discharge only | | | | | | | |
| | Conductivity | µs/cm | | | | | | | | |
| | Oil & Grease | mg/L | | | | | | | | |
| | pH | pH | | | | | | | | |

Table 2 – Surface Water Monitoring - Mine Void

| ID EPL (Site) | Parameter | Units | Frequency | Samples | Date | Laboratory Results Received | Min | Mean | Max / Only Value |
|-------------------|--------------|-------|----------------|---------|------------|-----------------------------|-----|------|------------------|
| 12 (Mine Void) | TSS | mg/L | Every 2 months | 1 | 12/05/2022 | 16/06/2022 | NA | NA | <5 |
| | Conductivity | µs/cm | | | | | | | 1190 |
| | Oil & Grease | mg/L | | | | | | | <5 |
| | pH | pH | | | | | | | 8.22 |

Table 3 – Groundwater Quality Monitoring

| ID EPL (Bore) | Parameters | Units | Frequency | Samples | Date | Laboratory Results Received | Min | Mean | Max / Only Value | | | | | | | | | | | | | | | |
|------------------|--------------|-------|-----------|---------|------|-----------------------------------|-----|------|---------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 15 (BCM01) | pH | pH | Quarterly | 0 | | | | | | | | | | | | | | | | | | | | |
| | Conductivity | µs/cm | | | | | | | | | | | | | | | | | | | | | | |
| | TDS | mg/L | | | | | | | | | | | | | | | | | | | | | | |
| 16 (BCM03) | pH | pH | Quarterly | 0 | | | | | | | | | | | | | | | | | | | | |
| | Conductivity | µs/cm | | | | | | | | | | | | | | | | | | | | | | |
| | TDS | mg/L | | | | | | | | | | | | | | | | | | | | | | |
| 17 (REG10A) | pH | pH | Quarterly | 0 | | | | | | | | | | | | | | | | | | | | |
| | Conductivity | µs/cm | | | | | | | | | | | | | | | | | | | | | | |
| | TDS | mg/L | | | | | | | | | | | | | | | | | | | | | | |
| 24 (RB05A) | pH | pH | Quarterly | 0 | | | | | | | | | | | | | | | | | | | | |
| | Conductivity | µs/cm | | | | | | | | | | | | | | | | | | | | | | |
| | TDS | mg/L | | | | | | | | | | | | | | | | | | | | | | |

Next sample in June 2022

Table 4 – Noise Monitoring (Attended – Measured)

| MCC ID | Date | Start Time | Wind Speed (m/s) | MCCP LAeq 15min dB | Limit LAeq 15min (dB) Operations Criteria | MCCP LAeq 1min dB | Limit LA1 (1 min) (dB) Operations Criteria | Weather Rain (mm) | Exceedance (Yes / No) |
|--------|------------|------------|------------------|--------------------|---|-------------------|--|-------------------|-----------------------|
| NM1 | 05/05/2022 | 22:30 | 1.6 | <25 | 35 | 28 | 45 | 0.0 | No |
| NM2 | 05/05/2022 | 23:30 | 1.4 | 25 | 39 | 30 | 45 | 0.0 | No |
| NM3 | 05/05/2022 | 23:45 | 1.3 | IA | 35 | IA | 45 | 0.0 | No |
| NM4 | 05/05/2022 | 23:00 | 1.1 | <25 | 35 | <25 | 45 | 0.0 | No |
| NM5 | 05/05/2022 | 22:00 | 1.9 | IA | 35 | IA | 45 | 0.0 | No |
| NM6 | 05/05/2022 | 23:56 | 1.6 | IA | 35 | IA | 45 | 0.0 | No |

MCC ID = Locations as per the EPL No.20221.

ND = No data due to high prevailing winds during the attended noise monitoring event.

Italicised text indicates wind speed exceeds the 3.0m/s maximum for noise monitoring.

NM = Not Measurable. If site noise is noted as NM, <20 dB or <30 dB, this means some noise was audible but could not be quantified.

IA = Site noise was inaudible at the monitoring location.

N/A in exceedance column means criterion was not applicable due to atmospheric conditions outside those specified in the project approval.

Table 5 - Noise Monitoring (Attended - Low Frequency Assessment)

None of the measurements satisfied the conditions for further assessment when assessed for the applicability of low frequency modification factors in accordance with the EPA's Noise Policy for Industry. Therefore no further assessment of low frequency noise was required to be undertaken.

Table 6 – Blast Monitoring (Blasts – Limits Apply)

| Location | Parameter | Units | Frequency | Number | Average | Max | 100% Limit | Exceedance (Yes / No) |
|-------------------|--------------|---------------|-----------|--------|---------|-------|------------|-----------------------|
| Operations Blasts | Overpressure | Db (Lin Peak) | All | 9 | 92.1 | 102.2 | 120 | No |
| | Vibration | mm/s | | 9 | 0.15 | 0.9 | 10 | No |

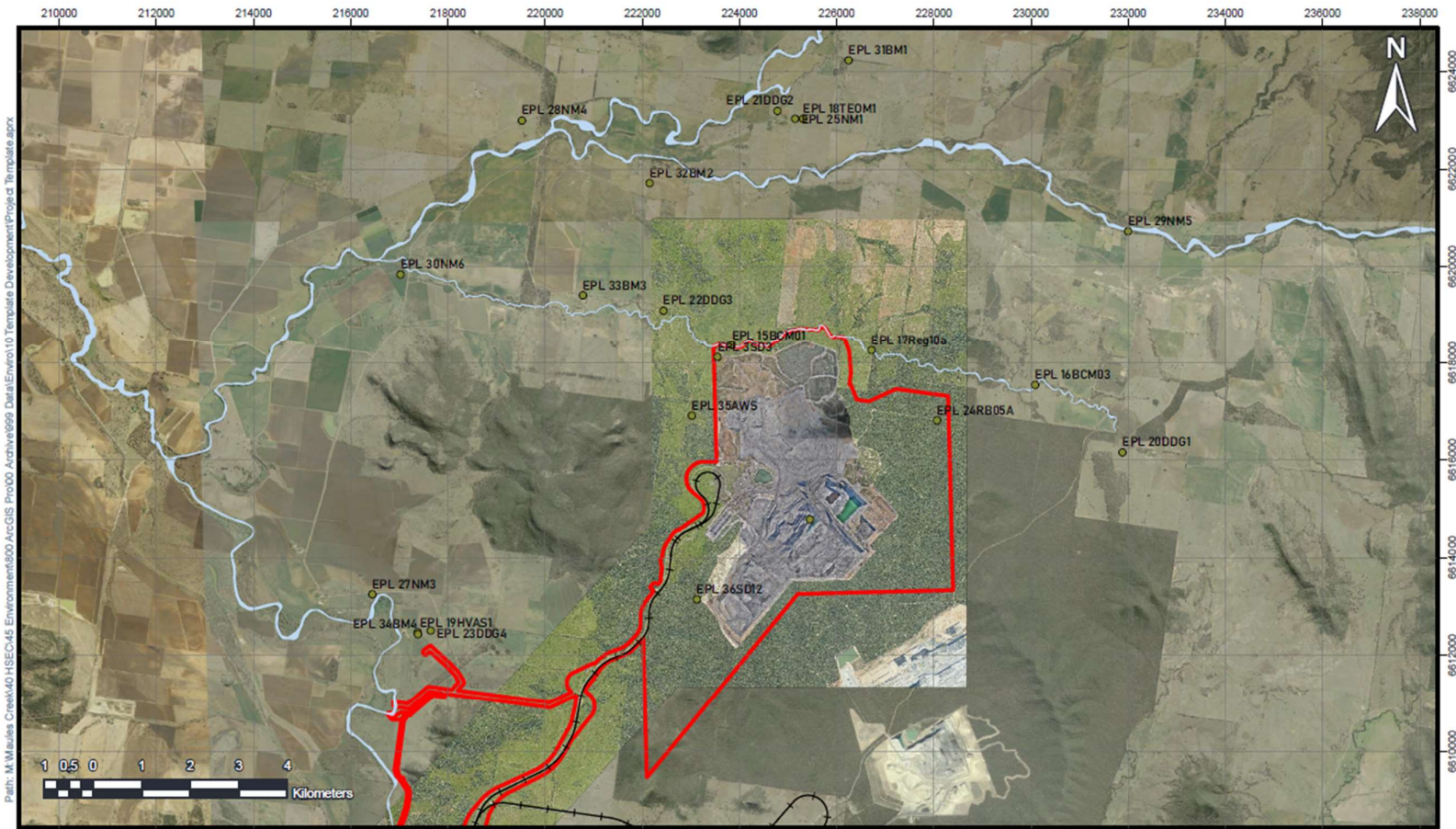
Note: As of March 2018, in accordance with the requirements of the approved variation of EPL 20221; M7.1 blast monitoring results are for four blast monitoring points 31 (BM1), 32 (BM2), 33 (BM3) and 34 (BM4).

Table 7 – Dust Monitoring (Limits Apply)

| ID EPL (Site) | Sample period | Unit | Parameter | Rolling Annual Average | NEPM Annual Criteria | Exceedance (Yes / No) |
|---------------|---------------|-------------------------|------------------|------------------------|----------------------|-----------------------|
| 18 (TEOM1) | Continuous | µg/m ³ month | PM ₁₀ | 5.5 | 30 | No |
| 19 (HVAS) | 5 days | µg/m ³ | PM ₁₀ | 8.8 | 30 | No |

| ID EPL (Site) | Sample period | Particulates Deposited Matter | Rolling Annual Average Insoluble Solids | Criteria | Exceedance (Yes / No) |
|---------------|---------------|-------------------------------|---|----------|-----------------------|
| 20 (DDG1/MC1) | Monthly | g/m ² month | 1.2 | 4 | No |
| 21 (DDG2/MC2) | Monthly | g/m ² month | 1.3 | 4 | No |
| 22 (DDG3/MC3) | Monthly | g/m ² month | 1.6 | 4 | No |
| 23 (DDG4/MC4) | Monthly | g/m ² month | 1.2 | 4 | No |

Figure 1 - EPL 20221 Monitoring Locations



EPL20221 Monitoring Locations

Legend

- PA Boundary
- Project Boundary
- EPL Monitoring Locations
- Railway
- Waterways

Scale: 1:105,390
 Author: AFrend
 Date Exported: 16/05/2022
 Spatial Reference: GDA 2020 MGA Zone 56

Maules Creek Coal



Disclaimer: Map for reference only and subject to survey. MCC makes no guarantee of the accuracy of this map and data within. MCC shall have no liability for any decisions made or actions taken based upon this map.