

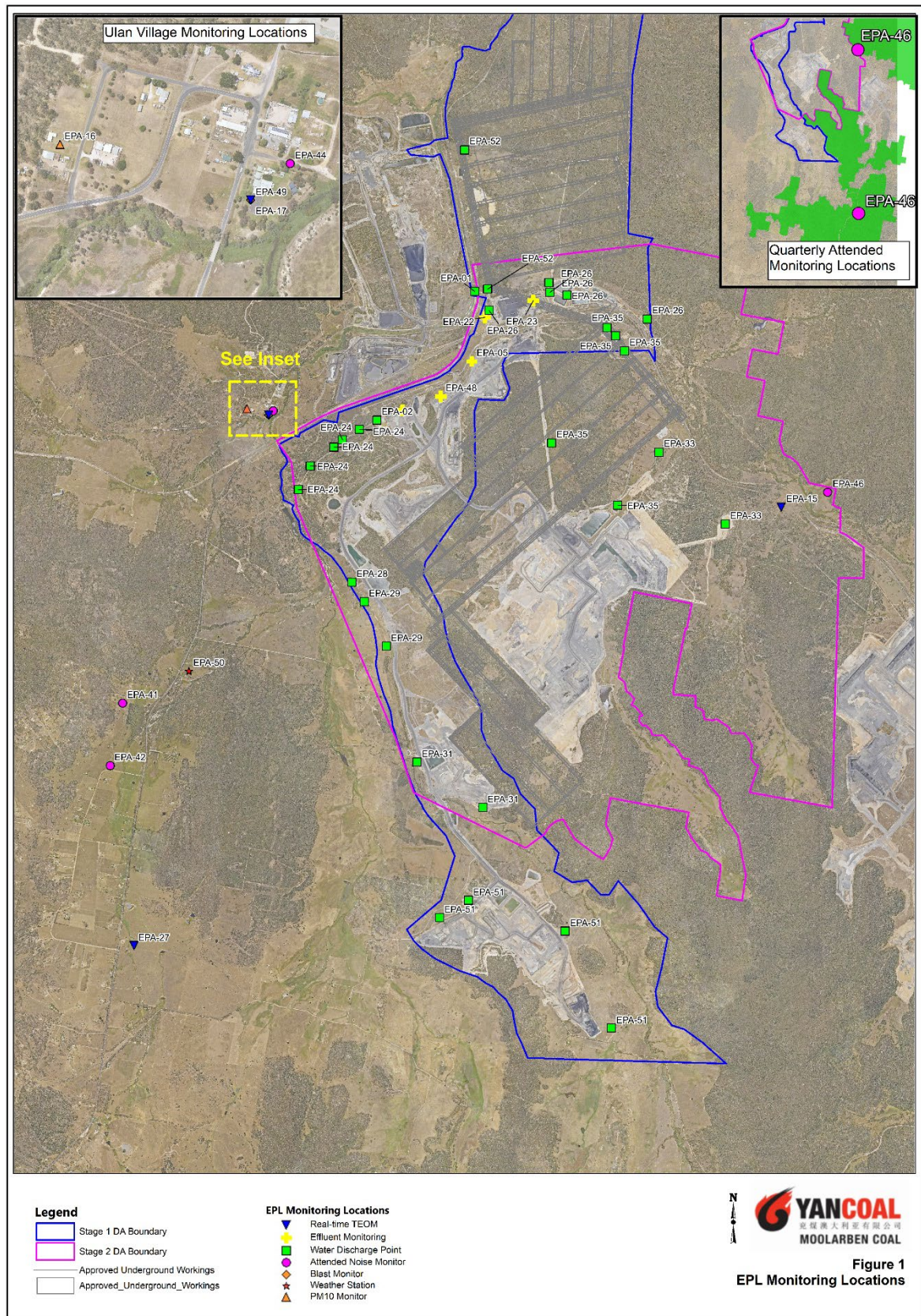


Monthly Environmental Monitoring Report

For the Month Ending 30 November 2025

| | |
|--|---|
| Name of Operation | Moolarben Coal Complex |
| Name of License Holder | Moolarben Coal Operations Pty Ltd |
| Premises | Moolarben Coal Mine 12 Ulan-Wollar Rd, Ulan NSW 2850 |
| Environmental Protection Licence Number | 12932 |
| EPL Link | https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=270376&SYSUID=1&LICID=12932 |
| Reporting Period | 01 November 2025 to 30 November 2025 |
| Date last sampled data obtained | 17 December 2025 |
| Publication Date | 20 December 2025 |
| Version | 1 |
| Author | N.Potgieter |
| Approver | R.Shanks |

EPL 12932 MCO Environmental Monitoring Network



Concentration Monitoring Summary

Air Quality Monitoring

| EPL ID | Location | Pollutant | Unit of Measure | EPL Monitoring Frequency | No. of Samples collected and analysed annually | 12 Month Rolling Average | | | Annual concentration limit | Exceedance (Yes/No) |
|--------|----------|-----------|-------------------|--------------------------|--|--------------------------|------------|-----------|----------------------------|---------------------|
| | | | | | | Min Value | Mean Value | Max Value | | |
| 16 | PM01 | PM10 | µg/m ³ | Every 6 days | 55 | 11.4 | 11.7 | 11.9 | 25 | No |
| N/A | PM02 | PM10 | µg/m ³ | N/A | 55 | 12.0 | 12.1 | 12.2 | 25 | No |
| 15 | TEOM 6 | PM10 | µg/m ³ | Continuous | 98.8% | 18.9 | 19.4 | 20.4 | N/A | N/A |
| 17 | TEOM 1 | PM10 | µg/m ³ | Continuous | 99.1% | 16.0 | 16.1 | 16.2 | 25 | No |
| 27 | TEOM 7 | PM10 | µg/m ³ | Continuous | 95.8% | 8.8 | 8.8 | 8.9 | 25 | No |
| 27 | TEOM 7 | PM2.5 | µg/m ³ | Continuous | 95.8% | 4.2 | 4.3 | 4.3 | 8 | No |
| N/A | TEOM 4 | PM10 | µg/m ³ | N/A | 97.6% | 13.0 | 13.0 | 13.1 | 25 | No |

| EPL ID | Location | Pollutant | Unit of Measure | EPL Monitoring Frequency | No. of Samples collected and analysed for the month | Monthly Data | | | 24 hr concentration limit | Exceedance (Yes/No) |
|--------|----------|-----------|-------------------|----------------------------|---|--------------|------------|-----------|---------------------------|---------------------|
| | | | | | | Min Value | Mean Value | Max Value | | |
| 16 | PM01 | PM10 | µg/m ³ | Every 6 days | 5 | 14.2 | 21.5 | 34.0 | 50 | No |
| N/A | PM02 | PM10 | µg/m ³ | N/A | 5 | 15.0 | 17.1 | 19.6 | 50 | No |
| 15 | TEOM 6 | PM10 | µg/m ³ | Continuous (24 Hr Average) | 100% | 11.1 | 38.4 | 120.2 | N/A | N/A |
| 17 | TEOM 1 | PM10 | µg/m ³ | Continuous (24 Hr Average) | 100% | 9.5 | 19.3 | 30.3 | 50 | No |
| 27 | TEOM 7 | PM10 | µg/m ³ | Continuous (24 Hr Average) | 100% | 6.2 | 11.8 | 25.1 | 50 | No |
| 27 | TEOM 7 | PM2.5 | µg/m ³ | Continuous (24 Hr Average) | 100% | 1.6 | 4.8 | 12.2 | 25 | No |
| N/A | TEOM 4 | PM10 | µg/m ³ | N/A (24 Hr Average) | 96.7% | 7.3 | 16.2 | 28.3 | 50 | No |

Surface Water Quality Monitoring

| EPL ID | Location | Pollutant | Unit of Measure | No. of Samples collected and analysed | Date Sampled | Results |
|--------|----------|------------------------|-----------------|---------------------------------------|--------------|---------|
| N/A | SW01 | Conductivity | µS/cm | 1 | 06/11/2025 | 759.1 |
| | | pH | pH | 1 | 06/11/2025 | 8.2 |
| | | Total Suspended Solids | mg/L | 1 | 06/11/2025 | <5 |
| N/A | SW02 | Conductivity | µS/cm | 1 | 06/11/2025 | 776 |
| | | pH | pH | 1 | 06/11/2025 | 8.2 |
| | | Total Suspended Solids | mg/L | 1 | 06/11/2025 | <5 |
| N/A | SW04 | Conductivity | µS/cm | 0 | 06/11/2025 | * |
| | | pH | pH | 0 | 06/11/2025 | * |
| | | Total Suspended Solids | mg/L | 0 | 06/11/2025 | * |
| N/A | SW05 | Conductivity | µS/cm | 1 | 06/11/2025 | 1200 |
| | | pH | pH | 1 | 06/11/2025 | 7.2 |
| | | Total Suspended Solids | mg/L | 1 | 06/11/2025 | 18 |
| N/A | SW07 | Conductivity | µS/cm | 0 | 06/11/2025 | * |
| | | pH | pH | 0 | 06/11/2025 | * |
| | | Total Suspended Solids | mg/L | 0 | 06/11/2025 | * |
| N/A | SW08 | Conductivity | µS/cm | 1 | 06/11/2025 | 2884 |
| | | pH | pH | 1 | 06/11/2025 | 6.8 |
| | | Total Suspended Solids | mg/L | 1 | 06/11/2025 | <5 |
| N/A | SW09 | Conductivity | µS/cm | 1 | 06/11/2025 | 3025 |
| | | pH | pH | 1 | 06/11/2025 | 7.0 |
| | | Total Suspended Solids | mg/L | 1 | 06/11/2025 | 15 |
| N/A | SW12 | Conductivity | µS/cm | 1 | 06/11/2025 | 632 |
| | | pH | pH | 1 | 06/11/2025 | 7.2 |
| | | Total Suspended Solids | mg/L | 1 | 06/11/2025 | 10 |
| N/A | SW15 | Conductivity | µS/cm | 0 | 06/11/2025 | * |
| | | pH | pH | 0 | 06/11/2025 | * |
| | | Total Suspended Solids | mg/L | 0 | 06/11/2025 | * |
| N/A | SW16 | Conductivity | µS/cm | 0 | 06/11/2025 | * |
| | | pH | pH | 0 | 06/11/2025 | * |
| | | Total Suspended Solids | mg/L | 0 | 06/11/2025 | * |

MONTHLY ENVIRONMENTAL MONITORING REPORT

For the Month Ending 30 November 2025

| EPL ID | Location | Pollutant | Unit of Measure | No. of Samples collected and analysed | Date Sampled | Results |
|--------|----------|------------------------|-----------------|---------------------------------------|--------------|---------|
| N/A | SW17 | Conductivity | µS/cm | 0 | 06/11/2025 | * |
| | | pH | pH | 0 | 06/11/2025 | * |
| | | Total Suspended Solids | mg/L | 0 | 06/11/2025 | * |
| N/A | SW18 | Conductivity | µS/cm | 0 | 06/11/2025 | * |
| | | pH | pH | 0 | 06/11/2025 | * |
| | | Total Suspended Solids | mg/L | 0 | 06/11/2025 | * |
| N/A | SW22 | Conductivity | µS/cm | 1 | 06/11/2025 | 763.4 |
| | | pH | pH | 1 | 06/11/2025 | 8.4 |
| | | Total Suspended Solids | mg/L | 1 | 06/11/2025 | <5 |
| N/A | SW23 | Conductivity | µS/cm | 0 | 06/11/2025 | * |
| | | pH | pH | 0 | 06/11/2025 | * |
| | | Total Suspended Solids | mg/L | 0 | 06/11/2025 | * |
| N/A | SW24 | Conductivity | µS/cm | 0 | 06/11/2025 | * |
| | | pH | pH | 0 | 06/11/2025 | * |
| | | Total Suspended Solids | mg/L | 0 | 06/11/2025 | * |

* No flow

Blasting

| | Location | Pollutant | Unit of Measure | Frequency | No. of Blasts during the reporting period | Results | | | Limits dBL | Exceedance (Yes/No) |
|-----|------------------|--------------------|-----------------|-------------|---|-----------|------------|-----------|--|---------------------|
| | | | | | | Min Value | Mean Value | Max Value | | |
| 49 | BM1 Ulan School | Blast Overpressure | dBL | Every Blast | 17 | 85.7 | 93.6 | 106.6 | 115 (95% of total Blasts over 12 months) 120 (100% of Blasts) | No |
| | | Ground Vibration | mm/s | Every Blast | | 0.05 | 0.14 | 0.33 | 5mm/s (95% of Blasts over 12 months) 10mm/s (100% of Blasts) | No |
| N/A | BM5 Ridge Rd | Blast Overpressure | dBL | Every Blast | 17 | 83.7 | 96.7 | 117.7 | 115 (95% of total Blasts over 12 months) 120 (100% of Blasts) | No |
| | | Ground Vibration | mm/s | Every Blast | | 0.04 | 0.13 | 0.48 | 5mm/s (95% of Blasts over 12 months) 10mm/s (100% of Blasts) | No |
| N/A | BM8 Moolarben Rd | Blast Overpressure | dBL | Every Blast | 17 | 80.6 | 97.0 | 110.7 | 115 (95% of total Blasts over 12 months) 120 (100% of Blasts) | No |
| | | Ground Vibration | mm/s | Every Blast | | 0.02 | 0.09 | 0.18 | 5mm/s (95% of Blasts over 12 months) 10mm/s (100% of Blasts) | No |

Noise

| EPL ID | Location | Site ID | Monitoring Type | Frequency | Measured Level ^{3,5,6} LAeq dB (15min) | Measured Level ^{4,5,6} LA1,1dB (1min) | Noise Criteria ¹ | Monitoring Completed during the period | Exceedance (Yes/No) ¹ |
|--------|---------------------------------|---------|------------------------------------|-----------|---|--|---|--|----------------------------------|
| 44 | Ulan Public School | NA1 | Compliance - Attended | Monthly | IA | - | Daytime (07:00 – 18:00) LAeq, 15minute: 35 dB | Yes | N/A ² |
| N/A | Cope Road (Receiver 258) | NA11 | Management (Cumulative) - Attended | Quarterly | Nil ⁷ | - | - | Yes | No |
| N/A | Lagoons Road | NA2 | Validation - Attended | Annually | - | - | - | - | - |
| 42 | Winchester Crescent | NA12 | Compliance/Validation - Attended | Monthly | IA | IA | Night time (22:00 – 07:00) LAeq,15minute: 35 dB LA1,1minute: 45 dB | Yes | No |
| N/A | Upper Ridge Road (Receiver 176) | NA3 | Validation - Attended | Annually | - | - | - | - | - |
| 41 | Lower Ridge Road | NA6 | Compliance -Attended | Monthly | <20 | <20 | Night time (22:00 – 07:00) LAeq,15minute: 37 dB LA1, 1minute: 45 dB | Yes | No |
| N/A | Moolarben Road (Receiver 28) | NA10 | Validation - Attended | Annually | - | - | - | - | - |
| 46 | Goulburn River National Park | GRNP | Compliance -Attended | Annually | - | - | - | - | - |
| 46 | Munghorn Gap Nature Reserve | MGNR | Compliance -Attended | Annually | - | - | - | - | - |

- Noise limits are adjusted by +5 dB during 'very noise-enhancing meteorological conditions' in accordance with the NPfl.
- Ulan School was in recess and not in use, therefore noise limits were not applicable in accordance with the consents.
- Site-only LAeq,15minute, includes modifying factor penalties, if applicable
- Site-only LA1,1minute based on measured site-only LAmax
- Where site-only noise levels are very low or are masked by other sources and are at least 5 dB lower than relevant limits, then a maximum estimate may be provided such as "<20 dB".
- IA is Inaudible. When site only noise is noted as IA, there was no noise from the source of interest audible at the monitoring location.
- By definition, cumulative noise refers to two or more noise sources. If only one source of mining noise is audible then the measured cumulative noise is defined here as 'Nil'.

Effluent Discharge Points

| EPL ID | Pollutant | Unit of Measure | No. of samples required by Licence | No. of Samples collected and analysed | Date Sampled | Result |
|--------|------------------------|-----------------|------------------------------------|---------------------------------------|--------------|--------|
| 5 | BOD | mg/L | Quarterly | 1 | 18/11/2025 | 79 |
| | Nitrogen (total) | mg/L | Quarterly | 1 | 18/11/2025 | 70.6 |
| | Oil and Grease | mg/L | Quarterly | 1 | 18/11/2025 | <5 |
| | pH | pH | Quarterly | 1 | 18/11/2025 | 7.0 |
| | Phosphorus (total) | mg/L | Quarterly | 1 | 18/11/2025 | 10.5 |
| | Total Suspended Solids | mg/L | Quarterly | 1 | 18/11/2025 | 67 |
| 22 | BOD | mg/L | Quarterly | 1 | 18/11/2025 | 9 |
| | Nitrogen (total) | mg/L | Quarterly | 1 | 18/11/2025 | 27.9 |
| | Oil and Grease | mg/L | Quarterly | 1 | 18/11/2025 | <5 |
| | pH | pH | Quarterly | 1 | 18/11/2025 | 7.7 |
| | Phosphorus (total) | mg/L | Quarterly | 1 | 18/11/2025 | 16.5 |
| | Total Suspended Solids | mg/L | Quarterly | 1 | 18/11/2025 | 18 |
| 23 | BOD | mg/L | Quarterly | 1 | 18/11/2025 | 33 |
| | Nitrogen (total) | mg/L | Quarterly | 1 | 18/11/2025 | 5.3 |
| | Oil and Grease | mg/L | Quarterly | 1 | 18/11/2025 | <5 |
| | pH | pH | Quarterly | 1 | 18/11/2025 | 7.2 |
| | Phosphorus (total) | mg/L | Quarterly | 1 | 18/11/2025 | 0.7 |
| | Total Suspended Solids | mg/L | Quarterly | 1 | 18/11/2025 | 47 |
| 48 | BOD | mg/L | Quarterly | 1 | 18/11/2025 | 113 |
| | Nitrogen (total) | mg/L | Quarterly | 1 | 18/11/2025 | 9.1 |
| | Oil and Grease | mg/L | Quarterly | 1 | 18/11/2025 | <5 |
| | pH | pH | Quarterly | 1 | 18/11/2025 | 7.5 |
| | Phosphorus (total) | mg/L | Quarterly | 1 | 18/11/2025 | 0.7 |
| | Total Suspended Solids | mg/L | Quarterly | 1 | 18/11/2025 | 219 |

Discharge Points

| EPL ID | Pollutant | Unit of Measure | No. of samples required by Licence | No. of Samples collected and analysed | Min Value | Mean Value | Max Value | 100 th percentile concentration limit | Exceedance (Yes/No) |
|--------|------------------------|--------------------|------------------------------------|--|-----------|------------|-----------|--|---------------------|
| 1 | Conductivity | µS/cm | Continuous during discharge | Continuous during discharge | 206.0 | 219.2 | 232.0 | 619 | No |
| | Oil and Grease | mg/L | Weekly during discharge | 1 | <5 | <5 | <5 | 10 | No |
| | pH | pH | Continuous during discharge | Continuous during discharge | 7.1 | 7.2 | 7.2 | 6.5-8.5 | No |
| | Total Suspended Solids | mg/L | Weekly during discharge | 1 | <1 | <1 | <1 | 50 | No |
| | Turbidity | NTU | Continuous during discharge | Continuous during discharge | 0.0 | 0.0 | 0.0 | 25 | No |
| | Discharge Volume | Megalitres per day | Continuous during discharge | Continuous during discharge | 0.0 | 0.6 | 4.2 | 20 ¹ | No |
| 2 | Conductivity | µS/cm | Continuous during discharge | No licensed discharges during the period | | | | 619 | NA |
| | Oil and Grease | mg/L | Daily during discharge | | | | | 10 | NA |
| | pH | pH | Continuous during discharge | | | | | 6.5-8.5 | NA |
| | Total Suspended Solids | mg/L | Daily during discharge | | | | | 50 | NA |
| | Turbidity | NTU | Continuous during discharge | | | | | 25 | NA |
| | Discharge Volume | Megalitres per day | Continuous during discharge | | | | | NA | NA |
| 24 | pH | pH | Daily during discharge | No licensed discharges during the period | | | | 6.5-8.5 | NA |
| | Total Suspended Solids | mg/L | Daily during discharge | | | | | 50 | NA |
| | Turbidity | NTU | Daily during discharge | | | | | 25 | NA |
| 26 | pH | pH | Daily during discharge | No licensed discharges during the period | | | | 6.5-8.5 | NA |
| | Total Suspended Solids | mg/L | Daily during discharge | | | | | 50 | NA |
| | Turbidity | NTU | Daily during discharge | | | | | 25 | NA |
| 28 | Conductivity | µS/cm | Continuous during discharge | No licensed discharges during the period | | | | 619 | NA |
| | Oil and Grease | mg/L | Daily during discharge | | | | | 10 | NA |
| | pH | pH | Continuous during discharge | | | | | 6.5-8.5 | NA |
| | Total Suspended Solids | mg/L | Daily during discharge | | | | | 50 | NA |
| | Turbidity | NTU | Continuous during discharge | | | | | 25 | NA |

MONTHLY ENVIRONMENTAL MONITORING REPORT

For the Month Ending 30 November 2025

| EPL ID | Pollutant | Unit of Measure | No. of samples required by Licence | No. of Samples collected and analysed | Min Value | Mean Value | Max Value | 100 th percentile concentration limit | Exceedance (Yes/No) |
|--------|------------------------|--------------------|------------------------------------|--|-----------|------------|-----------|--|---------------------|
| | Discharge Volume | Kilolitres per day | Continuous during discharge | | | | | NA | NA |
| 29 | pH | pH | Daily during discharge | No licensed discharges during the period | | | | 6.5-8.5 | NA |
| | Total Suspended Solids | mg/L | Daily during discharge | | | | | 50 | NA |
| | Turbidity | NTU | Daily during discharge | | | | | 25 | NA |
| 31 | pH | pH | Daily during discharge | No licensed discharges during the period | | | | 6.5-8.5 | NA |
| | Total Suspended Solids | mg/L | Daily during discharge | | | | | 50 | NA |
| | Turbidity | NTU | Daily during discharge | | | | | 25 | NA |
| 35 | pH | pH | Daily during discharge | No licensed discharges during the period | | | | 6.5-8.5 | NA |
| | Total Suspended Solids | mg/L | Daily during discharge | | | | | 50 | NA |
| | Turbidity | NTU | Daily during discharge | | | | | 25 | NA |
| 51 | pH | pH | Daily during discharge | No licensed discharges during the period | | | | 6.5-8.5 | NA |
| | Total Suspended Solids | mg/L | Daily during discharge | | | | | 50 | NA |
| | Turbidity | NTU | Daily during discharge | | | | | 25 | NA |

1 Only applies when mining operations at the premises include that undertaken in the areas "UG4".