

TARRAWONGA COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12365

EPA Website Link: <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=55113&SYSUID=1&LICID=12365>

Licensee: Tarrawonga Coal Pty Ltd

Licensee Address: Tarrawonga Coal Mine, 469 Goonbri Road, BOGGABRI NSW 2382

EPL Monitoring Points: See Figure 1 below

Sampling Period: October 2020

Obtained Date: 2/11/2020

Publication Date: 12/11/2020

Table 1 - No Pollutant Limits Apply

| EPL ID | Pollutant | Units of Measure | Monitoring Frequency | No. of Samples for the Month | Date Sampled | Date of Max. Value Obtained | Min Value | Mean Value | Median Value | Max or Only Value | Comments |
|--------|--------------|------------------|----------------------|------------------------------|--------------|-----------------------------|-----------|------------|--------------|-------------------|----------|
| 5 | TSS | mg/L | Upon discharge | 0 | - | - | - | - | - | - | - |
| | Conductivity | µS/cm | | 0 | - | - | - | - | - | - | - |
| | Oil & Grease | mg/L | | 0 | - | - | - | - | - | - | - |
| | pH | pH | | 0 | - | - | - | - | - | - | - |
| 6 | TSS | mg/L | Upon discharge | 0 | - | - | - | - | - | - | - |
| | Conductivity | µS/cm | | 0 | - | - | - | - | - | - | - |
| | Oil & Grease | mg/L | | 0 | - | - | - | - | - | - | - |
| | pH | pH | | 0 | - | - | - | - | - | - | - |

Table 2 - Pollutant Limits Apply

| EPL ID | Pollutant | Units of Measure | Monitoring Frequency | No. of Samples for the Month | Date Sampled | Date of Max. Value Obtained | Min Value | Max or Only Value | 100%ile Limit | Exceed-ance (Yes/No) | Comment/s |
|--------|--------------|------------------|----------------------|------------------------------|--------------|-----------------------------|-----------|-------------------|---------------|----------------------|-----------|
| 1 | TSS | mg/L | Upon discharge | 0 | - | - | - | - | - | - | - |
| | Conductivity | µS/cm | | 0 | - | - | - | - | - | - | - |
| | Oil & Grease | mg/L | | 0 | - | - | - | - | - | - | - |
| | pH | pH | | 0 | - | - | - | - | - | - | - |
| 2 | TSS | mg/L | Upon discharge | 0 | - | - | - | - | - | - | - |
| | Conductivity | µS/cm | | 0 | - | - | - | - | - | - | - |
| | Oil & Grease | mg/L | | 0 | - | - | - | - | - | - | - |
| | pH | pH | | 0 | - | - | - | - | - | - | - |
| 3 | TSS | mg/L | Upon discharge | 0 | - | - | - | - | - | - | - |
| | Conductivity | µS/cm | | 0 | - | - | - | - | - | - | - |
| | Oil & Grease | mg/L | | 0 | - | - | - | - | - | - | - |
| | pH | pH | | 0 | - | - | - | - | - | - | - |
| 24 | TSS | mg/L | Upon discharge | 0 | - | - | - | - | - | - | - |
| | Conductivity | µS/cm | | 0 | - | - | - | - | - | - | - |
| | Oil & Grease | mg/L | | 0 | - | - | - | - | - | - | - |

| EPL ID | Pollutant | Units of Measure | Monitoring Frequency | No. of Samples for the Month | Date Sampled | Date of Max. Value Obtained | Min Value | Max or Only Value | 100%ile Limit | Exceed-ance (Yes/ No) | Comment/s |
|--------|--------------|------------------|----------------------|------------------------------|--------------|-----------------------------|-----------|-------------------|---------------|-----------------------|-----------|
| | pH | pH | | 0 | - | - | - | - | - | - | - |
| 26 | TSS | mg/L | Upon discharge | 0 | - | - | - | - | - | - | - |
| | Conductivity | µS/cm | | 0 | - | - | - | - | - | - | - |
| | Oil & Grease | mg/L | | 0 | - | - | - | - | - | - | - |
| | pH | pH | | 0 | - | - | - | - | - | - | - |
| 27 | TSS | mg/L | Upon discharge | 0 | - | - | - | - | - | - | - |
| | Conductivity | µS/cm | | 0 | - | - | - | - | - | - | - |
| | Oil & Grease | mg/L | | 0 | - | - | - | - | - | - | - |
| | pH | pH | | 0 | - | - | - | - | - | - | - |

Table 3 – Monitoring (Quarterly & 6 Monthly – No Limits apply)

| EPL ID | Pollutant | Units of Measure | Monitoring Frequency | No. of Samples for the Period | Date Sampled | Date of Max. Value Obtained | Min Value | Mean Value | Median Value | Max or Only Value |
|--------|----------------------|------------------|----------------------------------|-------------------------------|--------------|-----------------------------|-----------|------------|--------------|-------------------|
| 9 | Conductivity | µS/cm | 6 monthly – (Mar- Sep) | 0 | - | - | - | - | - | - |
| | Lead | mg/L | | 0 | - | - | - | - | - | - |
| | pH | pH | | 0 | - | - | - | - | - | - |
| | Standing Water Level | metres | | 0 | - | - | - | - | - | - |
| 10 | Conductivity | µS/cm | 6 monthly – (Mar- Sep) | 0 | - | - | - | - | - | - |
| | Lead | mg/L | | 0 | - | - | - | - | - | - |
| | pH | pH | | 0 | - | - | - | - | - | - |
| | Standing Water Level | metres | | 0 | - | - | - | - | - | - |
| 12 | Conductivity | µS/cm | 6 monthly – (Mar- Sep) | 0 | - | - | - | - | - | - |
| | Lead | mg/L | | 0 | - | - | - | - | - | - |
| | pH | pH | | 0 | - | - | - | - | - | - |
| | Standing Water Level | metres | | 0 | - | - | - | - | - | - |
| 13 | Conductivity | µS/cm | Quarterly - (Feb, May, Aug, Nov) | 0 | - | - | - | - | - | - |
| | Oil & Grease | mg/L | | 0 | - | - | - | - | - | - |
| | pH | pH | | 0 | - | - | - | - | - | - |
| | TSS | mg/L | | 0 | - | - | - | - | - | - |

Note: From April 2012 to February 2019, Electrical Conductivity was reported with the incorrect unit of measure (mS/cm). From January 2019 it has been corrected to µS/cm.

Table 4 – Quarterly Attended Noise Monitoring

(Noise Limits Apply -35dB LAeq(15min) -Day, Evening and Night;45dB LA1(1min) -Night)

Next Attended Noise Monitoring occurs in December 2020.

Table 5 – Monthly Monitoring (Blasts – Limits Apply)

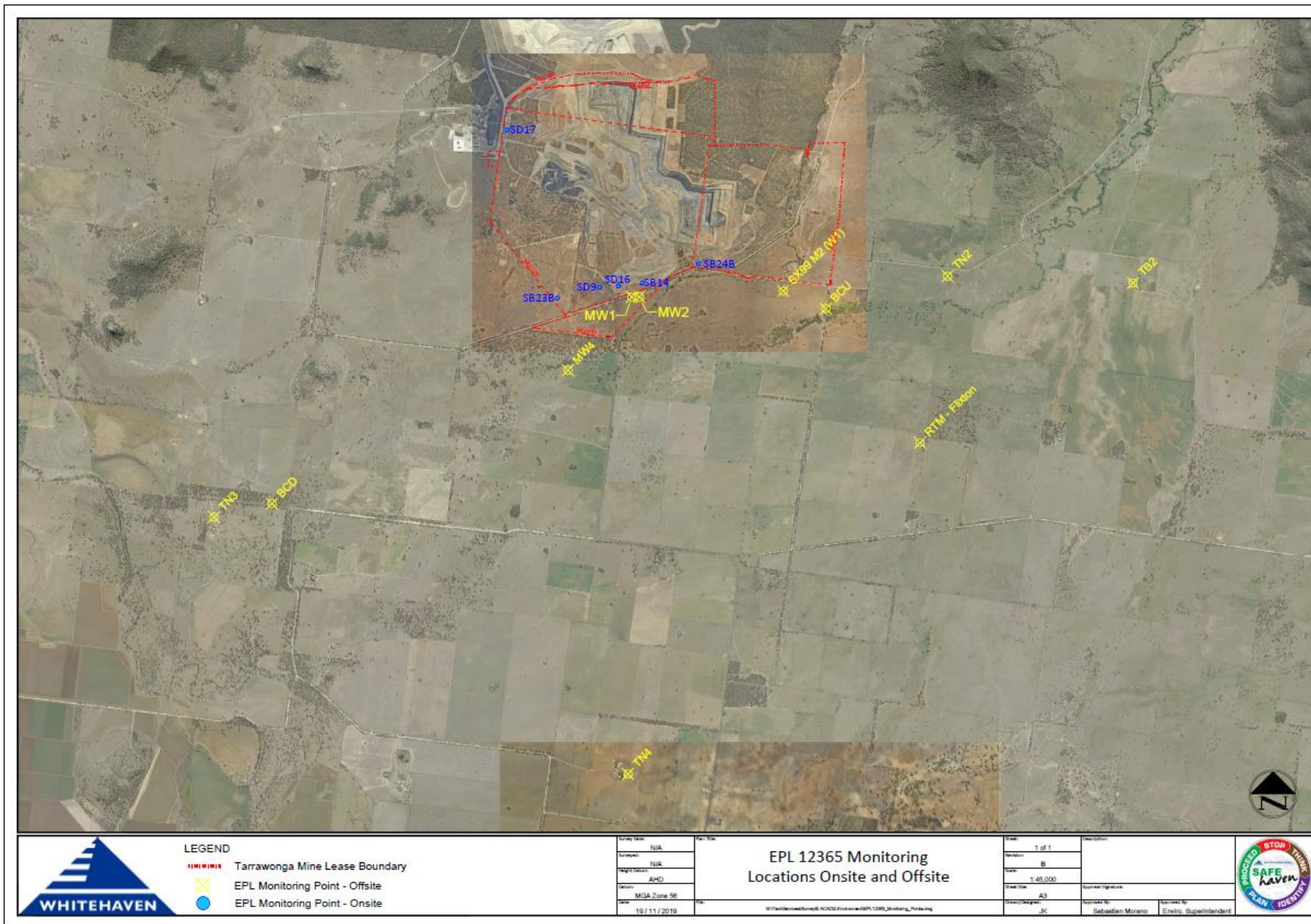
| Location | Parameter | Units of Measure | Frequency | No. of Blasts for the Month | Average Value | Max Value | 100%ile Limit | (Potential) Non-compliance /breach | Date of Max. Value Obtained |
|-----------|-----------------|------------------|-------------|-----------------------------|---------------|-----------|---------------|------------------------------------|-----------------------------|
| Coomalgah | Blast Noise | dB (Lin Peak) | Every Blast | 6 | 100.63 | 106.4 | 120 | Nil | 09/10/2020 |
| (TB2) | Blast Vibration | mm/s | Every Blast | 6 | 0.16 | 0.45 | 10 | Nil | 09/10/2020 |

Table 6- Monthly Monitoring (Dust PM10 – No Limits apply)

| Location | No. of samples required by licence | Lowest sample value | Mean of sample | Highest sample value |
|--|------------------------------------|---------------------|----------------|----------------------|
| “Flixton” property* TEOM (µg/m ³) – 24hr average | Continuous | 0 | 14.19 | 49.88 |

**Mine owned property – no limit apply*

Figure 1 – EPL 12365 Monitoring Locations



LEGEND

| | |
|---|--------------------------------|
|  | Tarrawonga Mine Lease Boundary |
|  | EPL Monitoring Point - Offsite |
|  | EPL Monitoring Point - Onsite |

| | |
|---------------|-------------|
| Drawn Date: | N/A |
| Drawn By: | N/A |
| Project Name: | AMD |
| Location: | MGA Zone 96 |
| Date: | 19/11/2019 |

EPL 12365 Monitoring Locations Onsite and Offsite

| | |
|--------------|------------------------|
| Page: | 1 of 1 |
| Revision: | B |
| Scale: | 1:65,000 |
| Sheet No.: | A3 |
| Drawn By: | JK |
| Checked By: | Sebastian Moreno |
| Approved By: | Enviro. Superintendent |

