



SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12957

EPA Website Link: <http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=31541&SYSUID=1&LICID=12957>

Licensee: Namoi Mining Pty Ltd

Licensee Address: Sunnyside Coal Project, 259 Coocooboona Lane, GUNNEDAH NSW 2380

EPL Monitoring Points: See Figure 1 below

Sampling Period: February 2013

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Table 1 - No Pollutant Limits Apply

| EPL ID | Pollutant | Units of Measure | Monitoring Frequency | No. of Samples for the Month | Date(s) Sampled | Date Obtained | Min Value | Mean Value | Median Value | Max Value |
|--------|-------------------------------|-------------------------|----------------------|------------------------------|------------------|---------------|-----------|------------|--------------|-----------|
| 1 | Particulates-Deposited Matter | g/m ² /month | Continuous | 1 | 21/2/2013 | 4/03/2013 | 0.9 | 0.9 | 0.9 | 0.9 |
| 2 | Particulates-Deposited Matter | g/m ² /month | Continuous | 1 | 21/2/2013 | 4/03/2013 | 2.5 | 2.5 | 2.5 | 2.5 |
| 4 | Particulates-Deposited Matter | g/m ² /month | Continuous | 1 | 21/2/2013 | 4/03/2013 | 3.0 | 3.0 | 3.0 | 3.0 |
| 5 | Particulates-Deposited Matter | g/m ² /month | Continuous | 1 | 21/2/2013 | 4/03/2013 | 1.4 | 1.4 | 1.4 | 1.4 |
| 6 | Particulates-Deposited Matter | g/m ² /month | Continuous | 1 | 21/2/2013 | 4/03/2013 | 4.1 | 4.1 | 4.1 | 4.1 |
| 7 | PM ₁₀ | µg/m ³ | Every 6 days | 4 | 2,8,14,20/2/2013 | 13/2/2013 | 2.9 | 12.8 | 14.3 | 19.8 |
| 9 | Conductivity | µS/cm | Special Frequency 1* | 0 | - | - | - | - | - | - |
| | Total Organic Carbon | mg/L | | 0 | - | - | - | - | - | - |
| 10 | Conductivity | µS/cm | Special Frequency 1* | 0 | - | - | - | - | - | - |
| | Total Organic Carbon | mg/L | | 0 | - | - | - | - | - | - |



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| EPL ID | Pollutant | Units of Measure | Monitoring Frequency | No. of Samples for the Month | Date(s) Sampled | Date Obtained | Min Value | Mean Value | Median Value | Max Value |
|--------|----------------------|------------------|-----------------------|------------------------------|-----------------|---------------|-----------|------------|--------------|-----------|
| 11 | TSS | mg/L | Special Frequency 2** | 0 | - | - | - | - | - | - |
| | Conductivity | µS/cm | | 0 | - | - | - | - | - | - |
| | Oil & Grease | mg/L | | 0 | - | - | - | - | - | - |
| | pH | pH | | 0 | - | - | - | - | - | - |
| | Total Organic Carbon | mg/L | | 0 | - | - | - | - | - | - |
| 12 | TSS | mg/L | Special Frequency 2** | 0 | - | - | - | - | - | - |
| | Conductivity | µS/cm | | 0 | - | - | - | - | - | - |
| | Oil & Grease | mg/L | | 0 | - | - | - | - | - | - |
| | pH | pH | | 0 | - | - | - | - | - | - |
| | Total Organic Carbon | mg/L | | 0 | - | - | - | - | - | - |

* Special Frequency 1 means the collection of samples as soon as practicable after each discharge commences and in any case not more than 12 hours after each discharge commences.

** Special Frequency 2 means collection of samples quarterly (in the event of flow during the quarter) at a time when there is flow and as soon as practicable after each wet weather discharge from points 9 and 10 commences and in any case not more than 12 hours after each discharge commences.

Table 2 - Pollutant Limits Apply

| EPL ID | Pollutant | Units of Measure | Monitoring Frequency | No. of Samples for the Month | Date Sampled | Date Obtained | Min Value | Max Value | 100%ile Limit | Exceedance (Yes/No) | Comments |
|--------|--------------|------------------|----------------------|------------------------------|--------------|---------------|-----------|-----------|---------------|---------------------|--------------|
| 9 | TSS | mg/L | Special Frequency 1* | 0 | - | - | - | - | 50 | - | No discharge |
| | Oil & Grease | mg/L | | 0 | - | - | - | - | 10 | - | No discharge |
| | pH | pH | | 0 | - | - | - | - | 6.5-8.5 | - | No discharge |
| 10 | TSS | mg/L | Special Frequency 1* | 0 | - | - | - | - | 50 | - | No discharge |
| | Oil & Grease | mg/L | | 0 | - | - | - | - | 10 | - | No discharge |
| | pH | pH | | 0 | - | - | - | - | 6.5-8.5 | - | No discharge |



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Table 3 – Monitoring (Noise – Limits Apply)

| EPL ID | Date | Start Time | Measurement Period | Measured Levels – dB(A) | Measured Levels – dB(A) | Limit | Wind speed/ direction | Compliant (Yes/No) | Comments |
|--------|------|------------|--------------------|---------------------------|-------------------------------|-----------------------|-----------------------|--------------------|---------------|
| | | | | L _{eq} 15min Day | L _{eq} 15min Evening | | | | |
| R2 | - | - | - | - | - | 35 dB(A) Leq (15 min) | - | - | No monitoring |
| R4 | - | - | 90min | - | | 35 dB(A) Leq (15 min) | - | - | No monitoring |
| | | - | 30min | | - | | - | - | No monitoring |
| | - | - | 90min | - | | | - | - | No monitoring |
| | | - | 30min | | - | | - | - | No monitoring |
| | - | - | 90min | - | | | - | - | No monitoring |
| | | - | 30min | | - | | - | - | No monitoring |
| R5 | - | - | 90min | - | | 35 dB(A) Leq (15 min) | - | - | No monitoring |
| | | - | 30min | | - | | - | - | No monitoring |
| | - | - | 90min | - | | | - | - | No monitoring |
| | | - | 30min | | - | | - | - | No monitoring |
| | - | - | 90min | - | | | - | - | No monitoring |
| | | - | 30min | | - | | - | - | No monitoring |
| R6 | - | - | 90min | - | | 35 dB(A) Leq (15 min) | - | - | No monitoring |
| | | - | 30min | | - | | - | - | No monitoring |
| | - | - | 90min | - | | | - | - | No monitoring |
| | | - | 30min | | - | | - | - | No monitoring |
| | - | - | 90min | - | | | - | - | No monitoring |
| | | - | 30min | | - | | - | - | No monitoring |

Note Sunnyside mine does not operate during night hours, hence no measurements are taken



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Table 4 – 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 |
|----------|-----------------|------------------|-------------|-----------------------------|---------------|-----------|---------------|------------------------------------|
| R1 | Blast Noise | dB (Lin Peak) | Every Blast | 0 | - | - | 120 | No |
| | Blast Vibration | mm/s | | | - | - | 10 | No |
| R2 | Blast Noise | dB (Lin Peak) | Every Blast | 0 | - | - | 120 | No |
| | Blast Vibration | mm/s | | | - | - | 10 | No |
| R4 | Blast Noise | dB (Lin Peak) | Every Blast | 0 | - | - | 120 | No |
| | Blast Vibration | mm/s | | | - | - | 10 | No |
| R6 | Blast Noise | dB (Lin Peak) | Every Blast | 0 | - | - | 120 | No |
| | Blast Vibration | mm/s | | | - | - | 10 | No |

DNT – Indicates the blast did not trigger a result at the monitor.

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Figure 1 – EPL 12957 Monitoring Locations

