

Rasp Mine
Monthly Environmental Monitoring Report
March 2017



Broken Hill Operations Pty Ltd (BHOP) [a wholly owned subsidiary of CBH Resources Limited (CBH)] owns and operates the Rasp Mine (the Mine), which is located centrally within the City of Broken Hill on Consolidated Mine Lease 7 (CML7).

Mining has been undertaken within CML7 since 1885. The existing operations at the Mine Rasp Mine Project include underground mining operations, a processing plant producing zinc and lead concentrates and a rail siding for concentrate dispatch. These operations are undertaken in accordance with Project Approval (PA07_0018) granted from the then Minister for Planning on 31 January 2011, under Part3A of the Environmental Planning and Assessment Act 1979 (EP&A Act).

As the holder of an Environmental Protection Licence, 12559, BHOP is required, under Section 66(6) of the NSW *Protection of the Environment Operations Act 1997*, to publish pollution monitoring data. A link to the Licence can be found on the Rasp Mine web site.

Contents

| | | |
|----------|---|-----------|
| 1 | AIR QUALITY | 3 |
| 1.1 | HIGH VOLUME AIR SAMPLERS | 3 |
| 1.2 | TAPERED ELEMENT OSCILLATING MICROBALANCE SAMPLING (TEOM)..... | 9 |
| 1.3 | DUST DEPOSITION SAMPLING | 11 |
| 1.4 | VENTILATION OUTLETS AND BAG HOUSE MONITORING | 14 |
| 2 | NOISE..... | 15 |
| 2.1 | BLASTING (VIBRATION AND OVERPRESSURE) | 15 |
| 2.2 | NOISE | 16 |
| 3 | WATER..... | 17 |
| 3.1 | GROUNDWATER..... | 17 |
| 3.2 | SURFACE WATER SAMPLE RECORD | 17 |
| 4 | WEATHER DATA | 19 |
| 5 | DATA LOG | 20 |
| 6 | CORRECTION LOG..... | 20 |



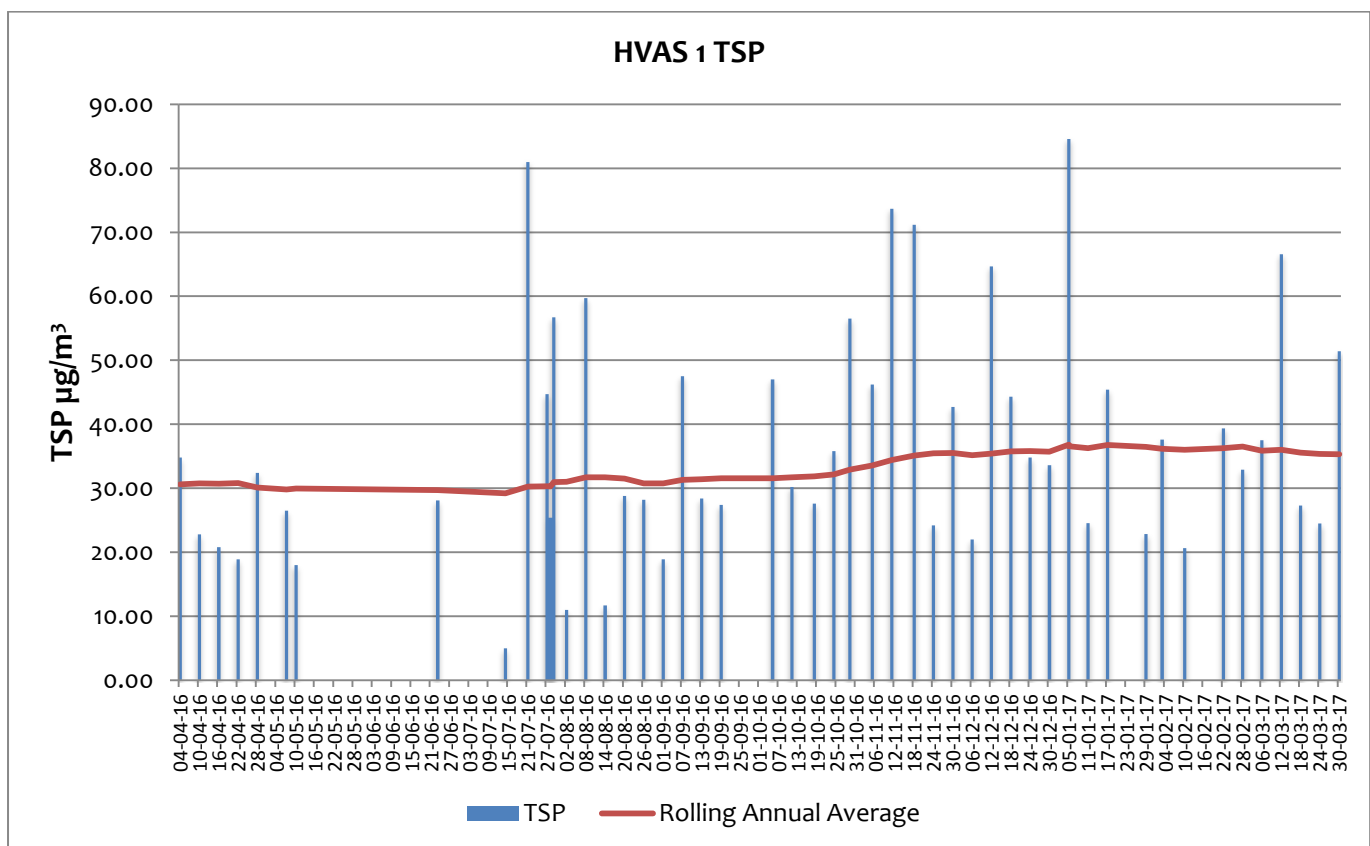
1 Air Quality

1.1 High Volume Air Samplers

There are three high volume air samplers used to measure ambient air quality at the Rasp Mine – HVAS and HVAS1 are located at the Silver Tank, central and to the south of the mine lease, and HVAS2 is located adjacent to and north of Blackwood Pit. A map indicating these locations can be found on the Rasp Mine web site. HVAS samples for total suspended particulates and lead dust, and HVAS1 and HVAS2 sample for particulate matter less than 10 microns (PM₁₀) and lead dust. Reference to the item required in the Rasp Mine Environment Protection Licence (EPL) is provided below.

HVAS1 (EPL10) - SILVER TANK - ON SITE

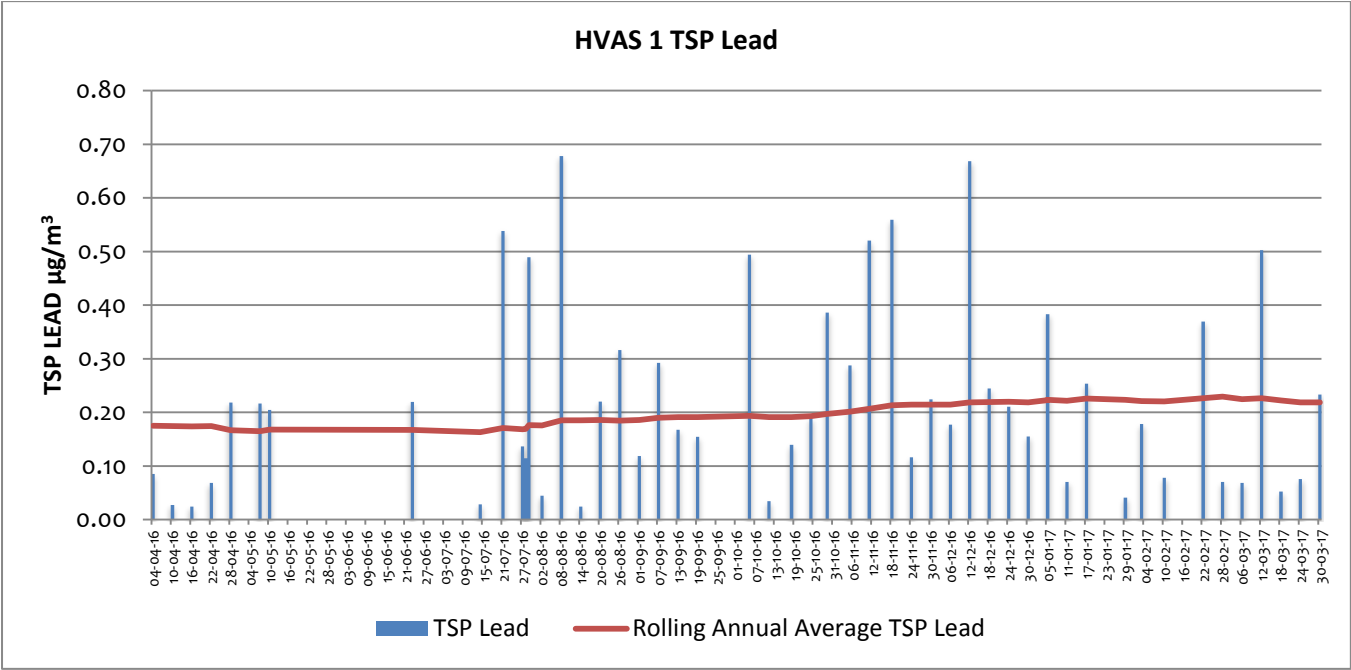
| DATE | TSP ($\mu\text{g}/\text{m}^3$) | Lead ($\mu\text{g}/\text{m}^3$) |
|------------|-------------------------------------|--------------------------------------|
| 06/03/2017 | 37.5 | 0.068 |
| 12/03/2017 | 66.6 | 0.502 |
| 18/03/2017 | 27.3 | 0.052 |
| 24/03/2017 | 24.5 | 0.075 |
| 30/03/2017 | 51.4 | 0.233 |





This monitoring unit is located on the Rasp Mine mining lease and thus no criteria applies at this point. Criteria applies to the closest residential location. However the data indicates that the annual average total suspended particles (TSP)at 36 $\mu\text{g}/\text{m}^3$ is well below the 90 $\mu\text{g}/\text{m}^3$ annual average criterion stipulated in the Rasp Mine Project Approval (07_0018) for TSP(TSP) for the nearest residential location.

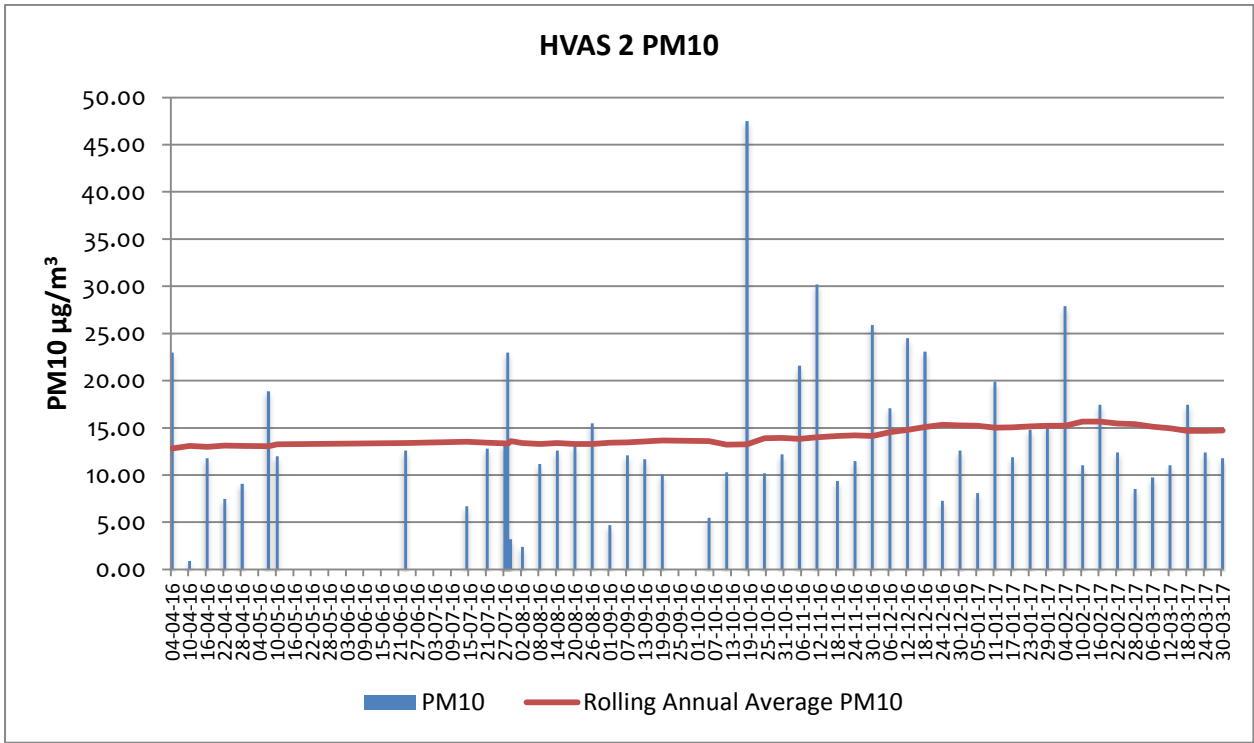
Rasp Mine is in compliance with this criterion.



Guidelines for air quality are provided by the DECCW NSW (now EPA), 2005 Approved Methods for the Modelling and Assessment of Air Pollutants in New South Wales. In regards to ambient lead dust the Rasp Mine annual averaged values are below the DECCW (2005) guideline of 0.50 $\mu\text{g}/\text{m}^3$. Rasp Mine is in compliance with this criterion.

HVAS1 (EPL11) - Silver Tank - On Site

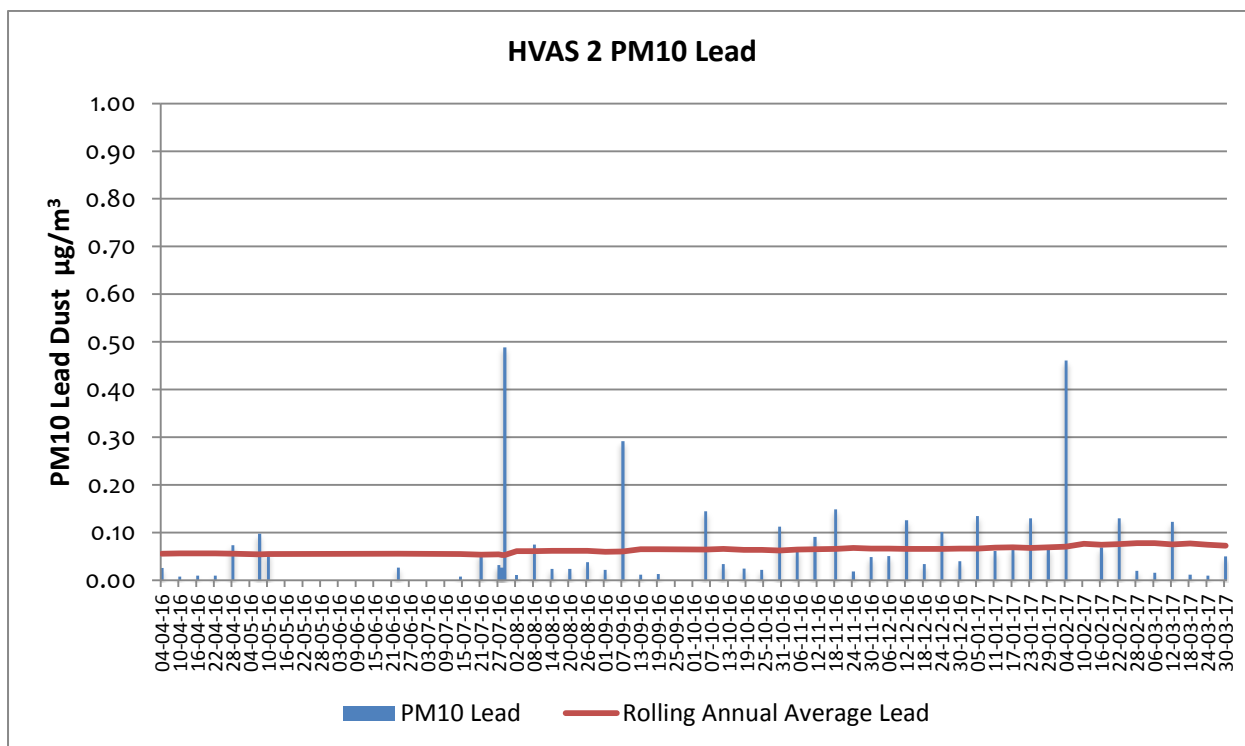
| DATE | PM10 ($\mu\text{g}/\text{m}^3$) | Lead ($\mu\text{g}/\text{m}^3$) |
|------------|--------------------------------------|--------------------------------------|
| 06/03/2017 | 16.40 | 0.02 |
| 12/03/2017 | 18.00 | 0.12 |
| 18/03/2017 | 11.20 | 0.01 |
| 24/03/2017 | 9.10 | 0.01 |
| 30/03/2017 | 12.00 | 0.05 |



This monitoring unit is located on the Rasp Mine mining lease and thus no criteria applies at this point. Criteria applies to the closest residential location. However the data indicates that the annual average PM₁₀ at 13 $\mu\text{g}/\text{m}^3$ is well below the 30 $\mu\text{g}/\text{m}^3$ annual average criterion stipulated in the Rasp Mine Project Approval (07_0018) for PM₁₀ for the nearest residential location.

Rasp Mine is in compliance with this criterion.

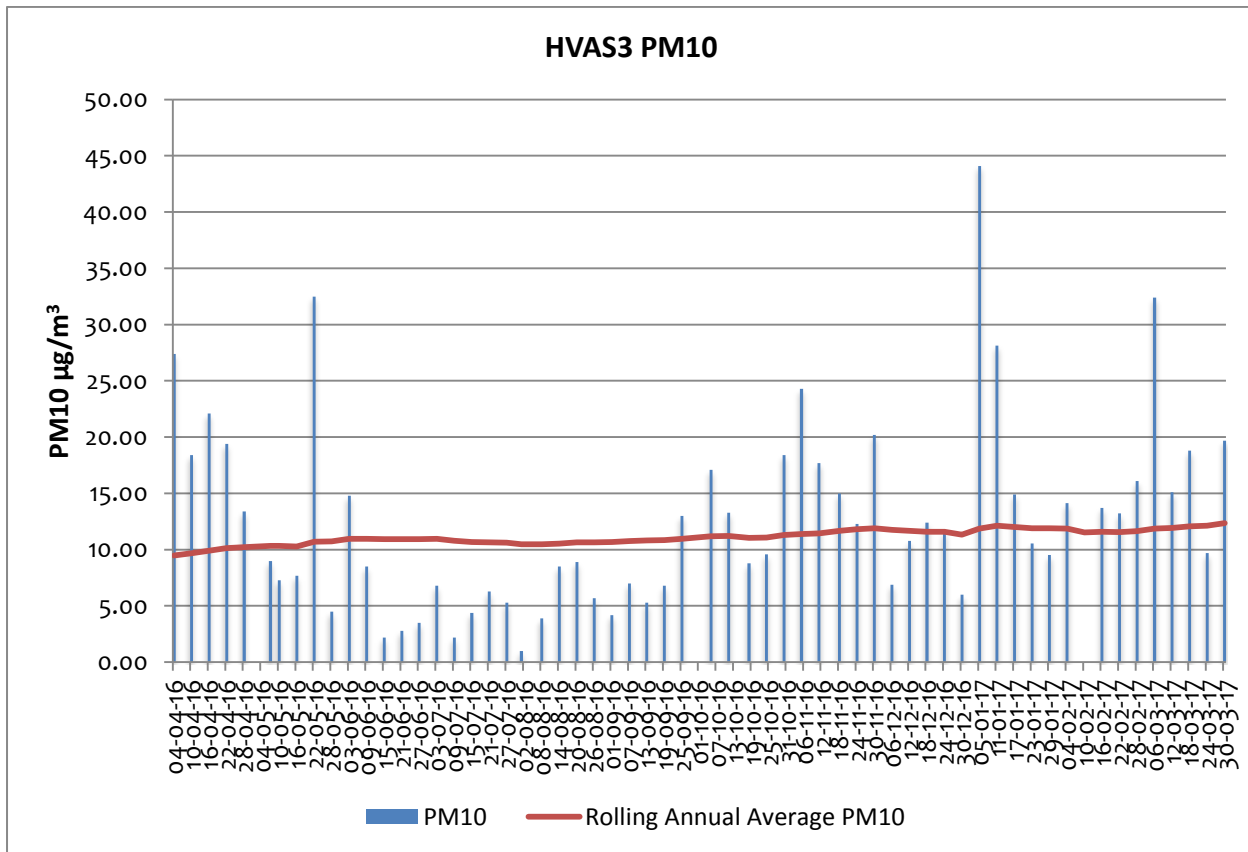
Overall the trend for PM 10 at this location remains consistent with the previous 12 months.



There is no guideline for assessing PM10 Lead dust, however, the overall trend for lead dust at this location remains consistent with the previous 12 months.

HVAS 3 (EPL12) - Blackwood Pit – On Site

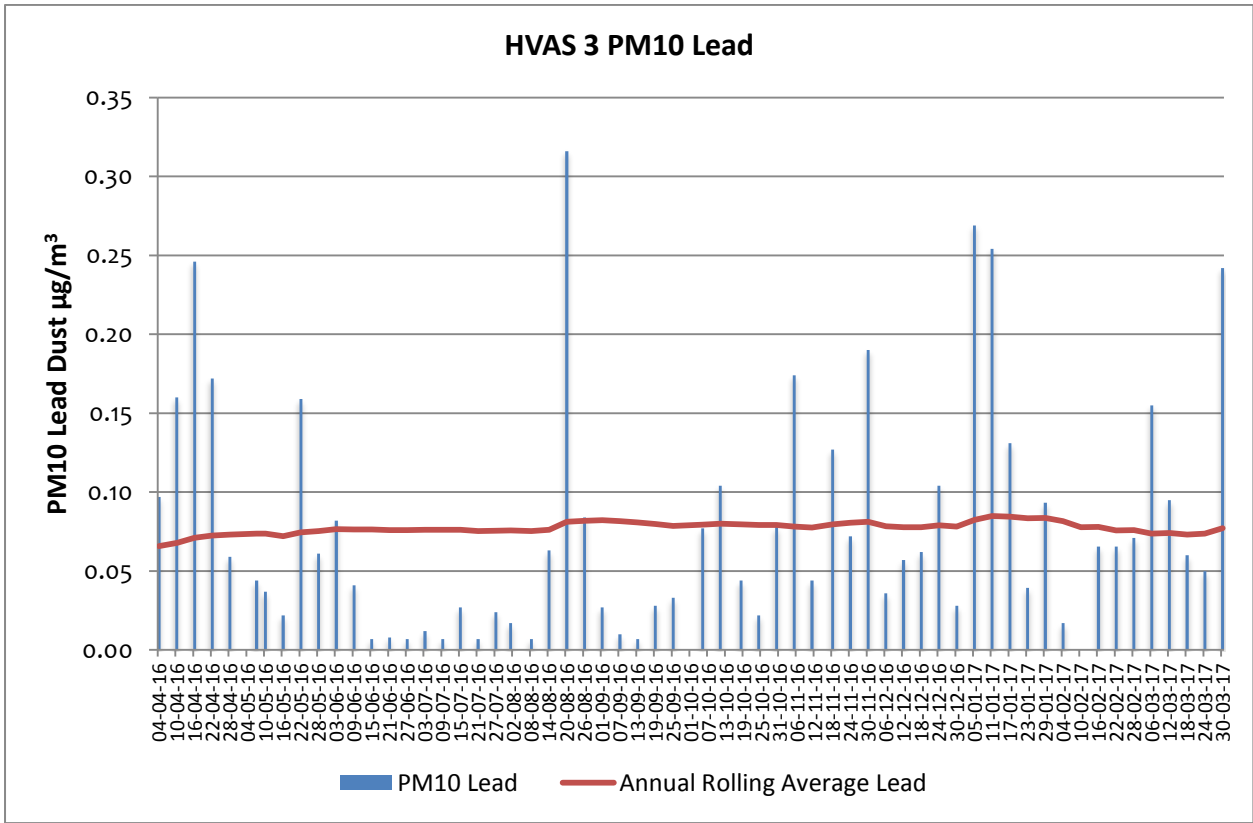
| DATE | PM10 ($\mu\text{g}/\text{m}^3$) | Lead ($\mu\text{g}/\text{m}^3$) |
|------------|--------------------------------------|--------------------------------------|
| 06/03/2017 | 32.40 | 0.16 |
| 12/03/2017 | 15.10 | 0.10 |
| 18/03/2017 | 18.80 | 0.06 |
| 24/03/2017 | 9.70 | 0.05 |
| 30/03/2017 | 19.70 | 0.24 |



This monitoring unit is located on the Rasp Mine mining lease and thus no criteria applies at this point. Criteria applies to the closest residential location. However the data indicates that the annual average PM₁₀ at 12 $\mu\text{g}/\text{m}^3$ is well below the 30 $\mu\text{g}/\text{m}^3$ annual average criterion stipulated in the Rasp Mine Project Approval (07_0018) for PM₁₀ for the nearest residential location.

Rasp Mine is in compliance with this criterion.

Overall the trend for PM 10 at this location remains consistent with the previous 12 months.



There is no guideline for assessing PM10 Lead dust, however the overall the trend for lead dust at this location remains consistent with the previous 12 months.

Overall the trend for lead at this location remains low, and consistent with the previous 12 months.



1.2 Tapered Element Oscillating Microbalance Sampling (TEOM)

There are two tapered element oscillating microbalance (TEOM) sampling units used to measure ambient air quality at the Rasp Mine – TEOM1 is located off-site within the perimeter fence of Essential Water facility south of the mine lease, and TEOM2 is located adjacent to Blackwood Pit to the north of the mine lease. A map indicating these locations can be found on the Rasp Mine web site. TEOM1 and TEOM2 operate continuously and sample for particulate matter less than 10 microns (PM₁₀). Reference to the item required in the Rasp Mine Environment Protection Licence (EPL) is provided below.

TEOM1 (EPL13) – Off-site and TEOM2 (EPL14) – On Site

| Particulate Matter <10 Microns 24Hr Average | | | | |
|---|--------------------------------|---|--------------------------------|---|
| Date | TEOM 1 (µg/m ³) | Compliant with 50µg/m ³ 24hr average? | TEOM 2 (µg/m ³) | Compliant with 50µg/m ³ 24hr average? |
| 01/03/2017 | 19.96 | Y | 12.15 | Y |
| 02/03/2017 | 15.94 | Y | 19.36 | Y |
| 03/03/2017 | 23.43 | Y | 26.02 | Y |
| 04/03/2017 | 27.37 | Y | 55.17 | N |
| 05/03/2017 | 19.88 | Y | 26.25 | Y |
| 06/03/2017 | 17.59 | Y | 23.80 | Y |
| 07/03/2017 | 19.39 | Y | 30.92 | Y |
| 08/03/2017 | 23.66 | Y | 28.26 | Y |
| 09/03/2017 | 7.32 | Y | 4.69 | Y |
| 10/03/2017 | 18.33 | Y | 18.81 | Y |
| 11/03/2017 | 18.00 | Y | 20.25 | Y |
| 12/03/2017 | 16.90 | Y | 17.81 | Y |
| 13/03/2017 | 21.85 | Y | 22.86 | Y |
| 14/03/2017 | 12.08 | Y | 15.62 | Y |
| 15/03/2017 | 11.09 | Y | 14.30 | Y |
| 16/03/2017 | 22.75 | Y | 12.67 | Y |
| 17/03/2017 | 21.97 | Y | 35.36 | Y |
| 18/03/2017 | 14.41 | Y | 24.11 | Y |
| 19/03/2017 | 22.05 | Y | 26.61 | Y |
| 20/03/2017 | 14.21 | Y | 15.95 | Y |
| 21/03/2017 | 10.08 | Y | 8.85 | Y |
| 22/03/2017 | 7.40 | Y | 8.47 | Y |
| 23/03/2017 | 17.74 | Y | 24.68 | Y |
| 24/03/2017 | 11.47 | Y | 15.30 | Y |
| 25/03/2017 | 15.68 | Y | 10.33 | Y |
| 26/03/2017 | 19.52 | Y | 13.07 | Y |
| 27/03/2017 | 12.25 | Y | 15.34 | Y |
| 28/03/2017 | 15.23 | Y | 39.20 | Y |
| 29/03/2017 | 10.18 | Y | 22.47 | Y |
| 30/03/2017 | 12.66 | Y | 32.79 | Y |
| 31/03/2017 | 18.39 | Y | 21.14 | Y |

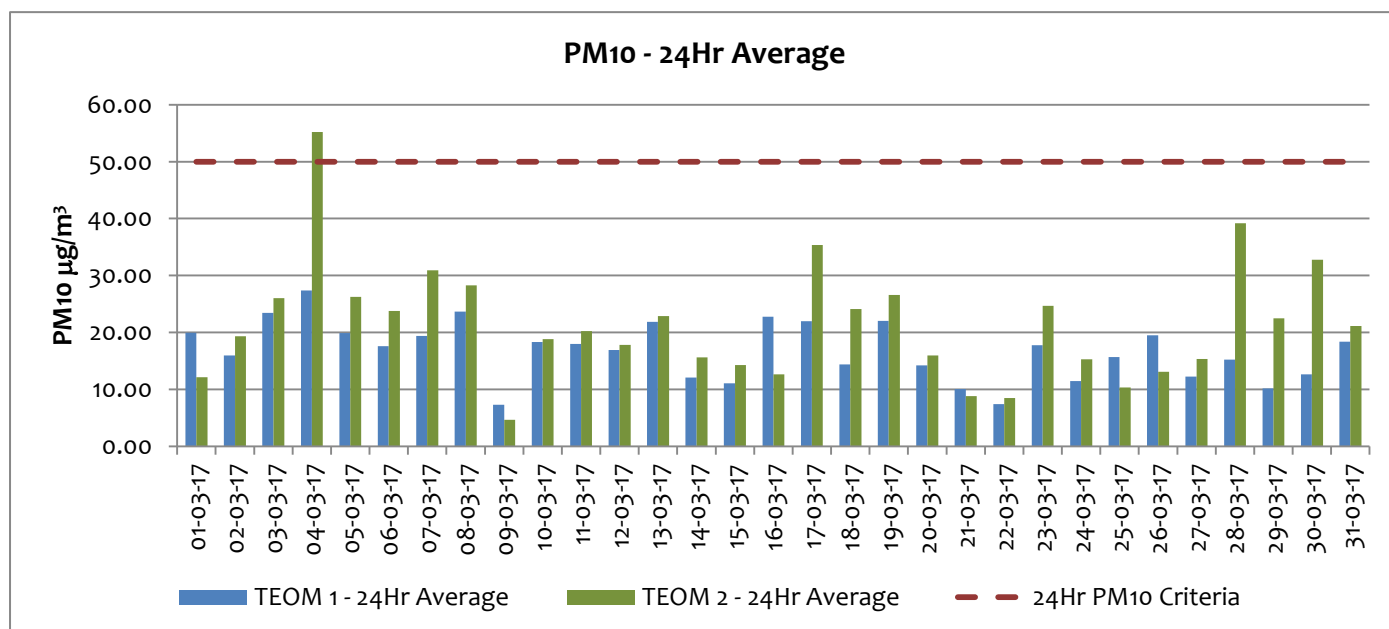


The TEOM1 monitoring unit is located off-site from the Rasp Mine mining lease and thus the criteria as listed in the Project Approval (07_00180 applies at this point. There are two criterion listed in the Project Approval for PM₁₀, 24 hour average and an annual average. The highest 24 hour average recorded at TEOM1 was 27.37 $\mu\text{g}/\text{m}^3$ on 4 March, this is well below the criteria listed of 50 $\mu\text{g}/\text{m}^3$. The rolling annual average at the end of March 2017 was 16.7 $\mu\text{g}/\text{m}^3$, again well below the listed criteria of 30 $\mu\text{g}/\text{m}^3$.

The TEOM2 monitoring unit is located on the Rasp Mine lease and thus no criteria applies at this point. Criteria applies to the closest residential location. However the data indicates that the highest daily result at 55.17 $\mu\text{g}/\text{m}^3$ is **above** the listed criteria of 50 $\mu\text{g}/\text{m}^3$. The annual average PM₁₀ at 21.7 $\mu\text{g}/\text{m}^3$ is well below the 30 $\mu\text{g}/\text{m}^3$ annual average criterion stipulated in the Rasp Mine Project Approval (07_0018) for PM₁₀ for the nearest residential location.

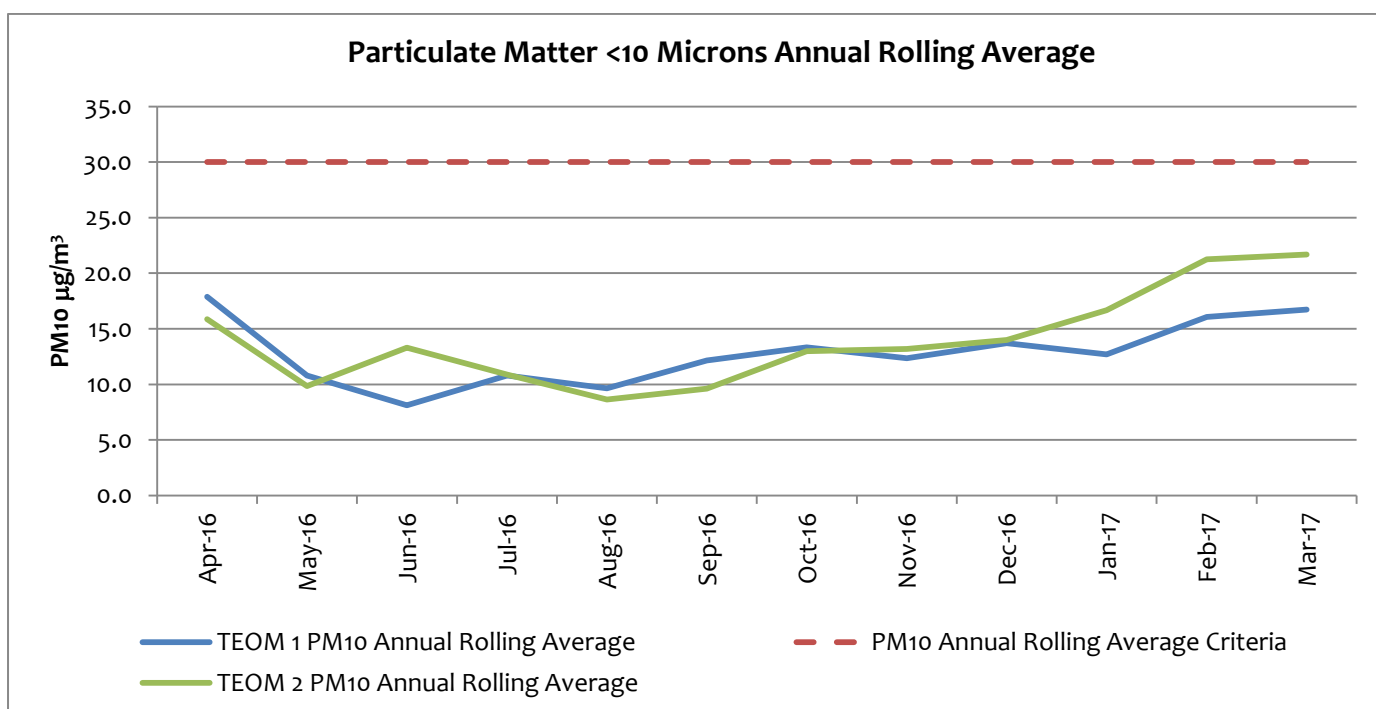
Rasp Mine is in compliance with all listed criteria.

| PM ₁₀ ($\mu\text{g}/\text{m}^3$) 12 Month Rolling Average | | | | | | | | | | | | |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | Apr-16 | May-16 | Jun-16 | Jul-16 | Aug-16 | Sep-16 | Oct-16 | Nov-16 | Dec-16 | Jan-17 | Feb-17 | Mar-17 |
| TEOM 1 (EPL13) | 17.9 | 10.8 | 8.1 | 10.8 | 9.6 | 12.1 | 13.3 | 12.4 | 13.7 | 12.7 | 16.1 | 16.7 |
| Compliant with 30 $\mu\text{g}/\text{m}^3$ annual average? | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| TEOM 2 EPL14 | 15.9 | 9.8 | 13.3 | 10.9 | 8.6 | 9.6 | 13.0 | 13.2 | 14.0 | 16.7 | 21.2 | 21.7 |
| Compliant with 30 $\mu\text{g}/\text{m}^3$ annual average? | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y |



All results except TEOM 2 on March 4 were below the maximum 24 hour average of 50 $\mu\text{g}/\text{m}^3$ (Project Approval PA_0017).

All 24 hour averages during the period were quite low and consistent with averages over the last 12 months.



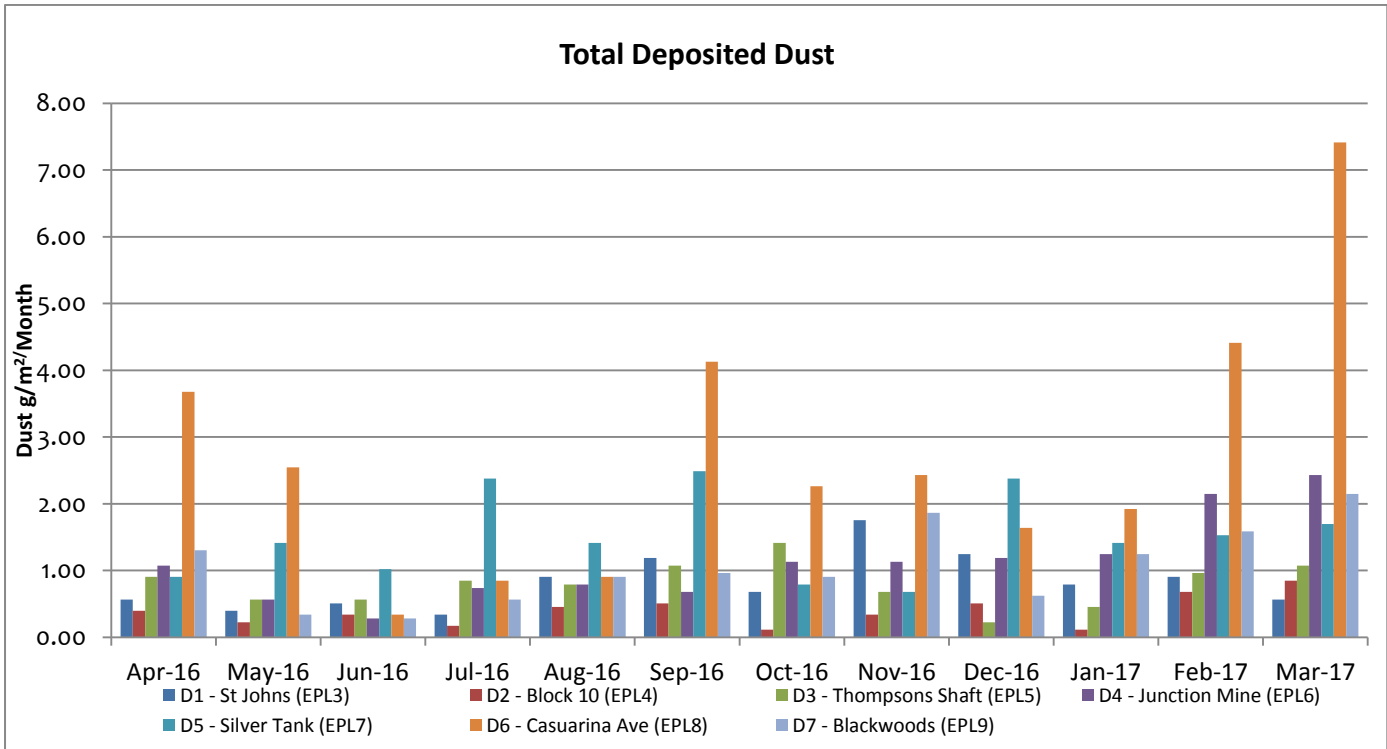
Values for PM10 are below the Project Approval (07_0018) limits of 30 µg/m³ (annual). Rasp Mine is in compliance with this criterion.

Overall the trend for PM 10 at this location remains consistent with the previous 12 months. Elevated averages during February and March 2017 were likely due to very dry conditions throughout February and March, with these months receiving no rainfall.

1.3 Dust Deposition Sampling

There are seven dust deposition gauges used to measure ambient air quality at the Rasp Mine – D1 to D7. D1 and D6 are located off-site, D1 near the St Johns training facility north of the Mine and D2 in Casuarina Avenue south of the Mine. D2 to D5 and D7 are located on the mine lease in various locations. A map indicating these locations can be found on the Rasp Mine web site. Dust samples are collected monthly and analysed for total deposited dust and deposited lead dust. Reference to the item required in the Rasp Mine Environment Protection Licence (EPL) is provided below.

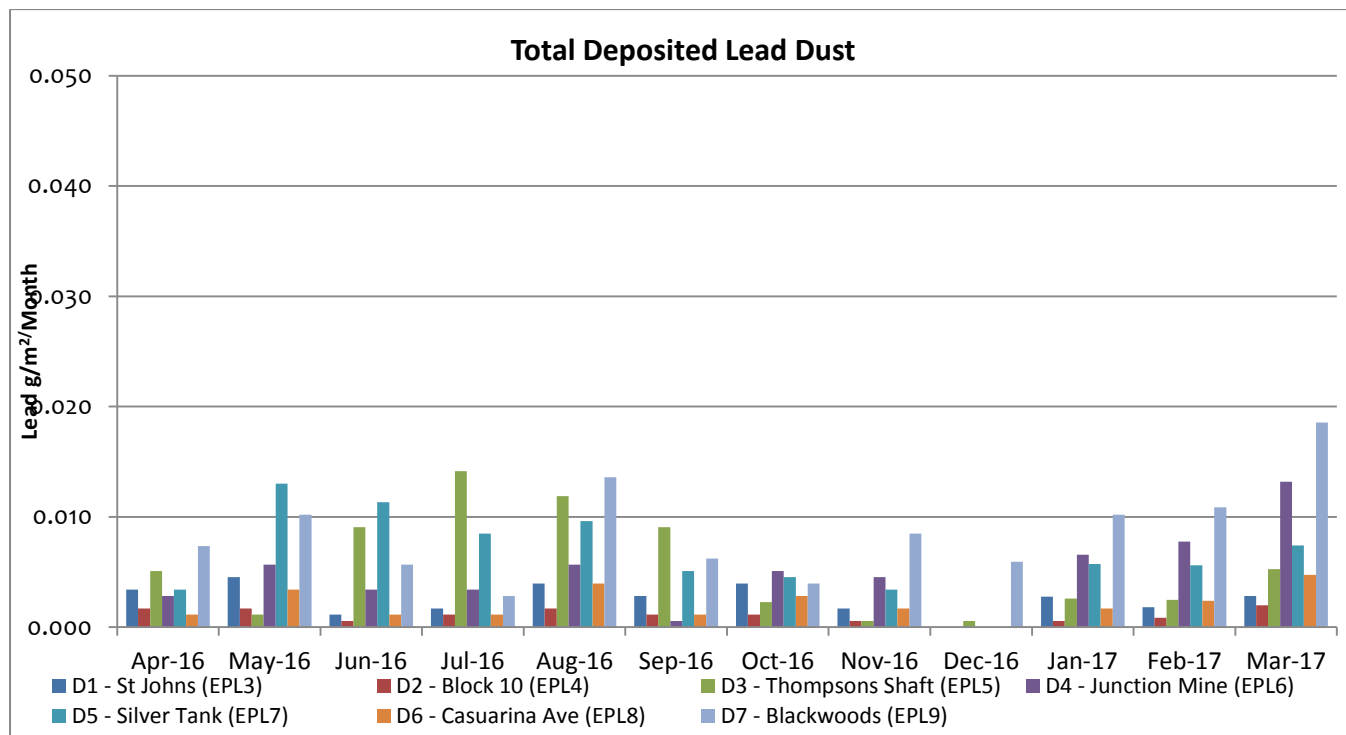
| Total Deposited Dust (g/m ² /Month) | | | | | | | |
|--|------------------|------|------|------|------|------------------|------|
| Date | D1 (off site) | D2 | D3 | D4 | D5 | D6 (off site) | D7 |
| March 2017 | 0.57 | 0.85 | 1.08 | 2.43 | 1.70 | 7.41 | 2.15 |
| Background (2010) | 4.0 | 3.1 | 4.3 | 5.7 | N/A | 5.8 | N/A |
| Maximum Mine contribution | 2.0 | | | | | 2.0 | |
| Maximum deposition level | 4.0 | | | | | 4.0 | |
| Compliant? | Y | | | | | Y | |



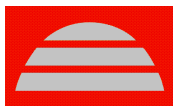
1. Elevated total dust recorded at the offsite monitor at Casuarina Avenue appears to have been caused by motor bikes accessing the vacant lot at the rear of the property.



| Total Deposited Lead (g/m ² /Month) | | | | | | | |
|--|------------------|-------|-------|-------|-------|------------------|-------|
| Date | D1 (Off Site) | D2 | D3 | D4 | D5 | D6 (Off Site) | D7 |
| March 2017 | 0.003 | 0.002 | 0.005 | 0.013 | 0.007 | 0.005 | 0.019 |
| Background (2010) | 0.0034 | 0.005 | 0.005 | 0.006 | N/A | 0.004 | N/A |



There is no guideline for deposited lead dust. Total deposited lead dust results remain lower than the initial measurements taken prior to commencement of operations.



1.4 Ventilation Outlets and Bag House Monitoring

There are three locations to measure pollutants from exhausts or stacks, these include the Primary Ventilation Shaft and Shaft 6, both measuring pollutants from underground firings, and the Baghouse Stack at the crusher measuring dust. All are located on site, the Primary Ventilation Shaft is located centrally and to the north of the mine lease and Shaft 6 is located centrally within the lease. The Primary Crusher Baghouse Stack is located within the area of the processing plant to the east of the lease. A map indicating these locations can be found on the Rasp Mine web site. Samples are collected quarterly and analysed for a number of parameters listed in below. Reference to the item required in the Rasp Mine Environment Protection Licence (EPL) is provided below.

Quarterly sampling is undertaken in January, April, July and October.

Required parameters to be monitored are:-

- Dry gas density (kg/m^3)
- Moisture (percent)
- Molecular weight of stack gases (g/m^3)
- Temperature (degrees Celsius)
- Total Solid Particles (mg/m^3)
- Type 1 and Type 2 substances in aggregate (mg/m^3)
- Velocity (m/sec)
- Volumetric flowrate (m^3/sec)

In addition the following criteria apply:

Primary Ventilation Shaft (EPL1) and Shaft 6 (EPL56)

| | Unit | Criteria |
|----------------------------|-----------------|----------|
| Nitrogen Oxides | mg/m^3 | 350 |
| Volatile Organic Compounds | mg/m^3 | 40 |

Primary Ventilation Shaft (EPL1), Shaft 6 (EPL56) and Crusher Baghouse (EPL2)

| | Unit | Criteria |
|---------------------------|-----------------|----------|
| Total Suspended particles | mg/m^3 | 20 |
| Type 1 and Type 2 | mg/m^3 | 1 |

Type 1 substance

Means the elements antimony, arsenic, cadmium, lead or mercury or any compound containing one or more of those elements.

Type 2 substance Means the elements beryllium, chromium, cobalt, manganese, nickel, selenium, tin or vanadium or any compound containing one or more of those elements.



2 Noise

2.1 Blasting (Vibration and Overpressure)

There are 6 vibration monitors at various locations to measure for vibration and overpressure from blast firings. These include V1 to V5 which are located off-site and V6 which is located on-site near Shaft 4. A map indicating these locations can be found on the Rasp Mine web site. In addition there are 2 roving monitors which may be used to monitor vibration and overpressure at particular locations as required. Monitors operate continuously and are automatically triggered when a blast occurs.

The following conditions apply as listed in the PA 07_0018 and EPL 12559:-

Blasting Criteria (excluding Block 7)

| Location | Airblast Overpressure (dB(Lin Peak)) | Ground Vibration (mm/s) | Allowable Exceedance |
|--|---|----------------------------|---|
| Residence on privately owned land (7am-7pm) | 115 | 5 | 5% of the total number of blasts over a 12-month period |
| (7am-7pm) | 120 | 10 | 0% |
| (7pm-10pm) | 105 | - | - |
| (10pm-7am) | 95 | - | - |
| Public Infrastructure | - | 100 | 0% |

Blasting Criteria (Block 7)

| Location | Airblast Overpressure (dB(Lin Peak)) | Ground Vibration (mm/s) | Allowable Exceedance |
|---|---|----------------------------|---|
| Residence on privately owned land (7am-7pm) | 115 | 3 (interim) | 5% of the total number of blasts over a 12-month period |
| (7am-7pm) | 120 | 10 | 0% |
| (7pm-10pm) | 105 | - | - |
| (10pm-7am) | 95 | - | - |
| Broken Hill Bowling Club, Italio (Bocce) Club, Heritage Items within CML7 | - | 50 | 0% |
| Perilya Southern Operations | - | 100 | 0% |
| Public Infrastructure | - | 100 | 0% |

In addition the following conditions apply:-

- Production blasts may occur between 6.45 am and 7.15 pm on any day



- 1 production blast per day, with 6 per week averaged over a calendar year
- 6 development blasts per day, with 42 per week averaged over a calendar year

March Summary for Block 7:

- 0 production firings, averaging 1.3 per week over the previous calendar year
- 8 development firings, averaging 2.5 per week over the previous calendar year
- 0 Blasts recorded a ppv of >3mm/s
- 0 Blasts recorded a ppv of >10mm/s
- 0 development blasts recorded an over pressure level over 95 dBL (10pm to 7am)
- 0 development blasts recorded an over pressure level over 105 dBL (7pm to 10pm)
- 0 Blasts recorded an over pressure level over 115dBL or 120 dBL (7am to 7pm)
- 0 Blasts occurred before 7 am or after 7 pm

12 Month Summary:

- % of all blasts over 3mm/sec = **3.5%** (licence requirement <5%) calculated from 1 April 2016 until 31March, 2017;
- % of production blasts over 3mm/sec = **10.1%** (licence requirement <5%) calculated from 1 April 2016 until 31March, 2017

Rasp Mine is in compliance with all listed criteria.

March Summary Rest of Mine - Western Mineralisation and Main Lodes:

- 12 production firings, averaging 3 per week over the previous calendar year
- 53 development firings, averaging 34.4 per week over the previous calendar year
- 1 Blast recorded a ppv of >5mm/s
- 0 Blasts recorded a ppv of >10mm/s
- 0 development blasts recorded an over pressure level over 95 dBL (10pm to 7am)
- 0 development blasts recorded an over pressure level over 105 dBL (7pm to 10pm)
- 0 Blasts recorded an over pressure level over 115dBL or 120 dBL (7am to 7pm)
- 0 Blasts occurred before 7 am or after 7 pm

12 Month Summary Rest of Mine - Western Mineralisation and Main Lodes:

- % of all blasts over 5mm/sec = **0.42%** (licence requirement <5%) calculated from 1 April 2016 until 31March, 2017;
- % of production blasts over 5mm/sec = **5.55%** (licence performance target <5%) calculated from 1 April 2016 until 31March, 2017

Rasp Mine is in compliance with all listed criteria.

2.2 Noise

Noise monitoring is undertaken as per the NSW Industrial Noise Policy at a frequency of once per annum. A noise assessment was conducted in 2016, and is next due in Q4 2017.



3 Water

3.1 Groundwater

There are eighteen sampling locations for groundwater, GW01 to GW16 are installed piezometers at various locations around the mine site and are sampled quarterly. There are also two sampling locations for water pumped from underground mining, Shaft 7 and Kintore Pit, both taken from mine water settling ponds and are sampled monthly. A map indicating these locations can be found on the Rasp Mine web site. Groundwater is analysed for a number of parameters including alkalinity (calcium carbonate), cadmium, calcium, chloride, electrical conductivity, iron, lead, magnesium, manganese, pH, sodium, sulphate, total dissolved solids and zinc. Reference to the item required in the Rasp Mine Environment Protection Licence (EPL) is provided below.

Groundwater monitoring is scheduled for completion in March, June, September and November.

Shaft 7 (EPL53) and Kintore Pit (EPL54) June Results

| Sample Point | Alkalinity (CaCO ₃) (mg/l) | Cd (mg/l) | Ca (mg/l) | Cl (mg/l) | EC (µS/cm ²) | Fe (mg/l) | Pb (mg/l) | Mg (mg/l) | Mn (mg/l) | pH | Na (mg/l) | SO ₄ (mg/l) | TDS (mg/l) | Zn (mg/l) |
|---------------------|--|-----------|-----------|-----------|--------------------------|-----------|-----------|-----------|-----------|----|-----------|------------------------|------------|-----------|
| Shaft 7 (EPL53) | 7 | 2.21 | 508 | 1570 | | 0.42 | 3.45 | 316 | 393 | | 1520 | 6940 | | 916 |
| Kintore Pit (EPL54) | 14 | 1.85 | 464 | 1430 | | 1.14 | 4.03 | 290 | 327 | | 1430 | 4670 | | 802 |

3.2 Surface Water Sample Record

There are seven sampling locations for surface water, these include surface water basins located on the mine lease to capture and retain rainfall and two locations up and down stream of an ephemeral creek located south of the mine lease boundary. A map indicating these locations can be found on the Rasp Mine web site. Surface water is analysed for a number of parameters including cadmium, chloride, electrical conductivity, lead, manganese, pH, sodium, sulphate, total dissolved solids and zinc. Reference to the item required in the Rasp Mine Environment Protection Licence (EPL) is provided below.

Surface Water Table April 2016 to March 2017

| EPA Identification Number | Frequency | Comment |
|---------------------------------------|---------------------------------|------------------------------------|
| EPL29 (Federation Way culvert) S31-1 | 2 x per year , six months apart | Sampled 9/5/16, 21/7/16 |
| EPL31 (Ryan Street Dam) S49 | 2 x per year , six months apart | Sampled 21/7/16 & 5/10/16 |
| EPL32 (adjacent olive grove) S1A | 2 x per year , six months apart | Sampled 9/5/16 & 21/7/16 |
| EPL33 (Behind Bowls Club) S9-B2 | 2 x per year , six months apart | Sampled 9/5/16, 21/7/16 |
| EPL34 (Horwood Dam) Horwood Dam | 2 x per year , six months apart | Sampled 9/5/16, 21/7/16, 19/10/16 |
| EPL35 (Upstream Bonanza St) | 2 x per year , six months apart | Sampled 1/8/16, 20/9/16 & 14/12/16 |
| EPL36 (Downstream Sydney Rd) | 2 x per year , six months apart | Sampled 1/8/16 & 20/9/16 |



Due to the ephemeral nature of the surface water bodies the sample frequency of six months apart can be difficult to achieve. Sample times are dictated by the availability of water. No surface water sampling was due for completion in March 2017.



4 Weather Data

The weather station continuously monitors the following parameters as per point 55 of the Environmental Protection Licence.

The following parameters are required to be recorded each month as listed in the EPL 12559:-

Rasp Mine Weather Station (EPL55)

| Parameter | Sampling method | Units of measure | Averaging period | Frequency |
|-----------------------------|-----------------|--|------------------|------------|
| Temperature at 10 metres | AM-4 | degrees Celsius | 15 minutes | Continuous |
| Wind Direction at 10 metres | AM-4 | degrees in a clockwise direction from True North | 15 minutes | Continuous |
| Wind Speed at 10 metres | AM-4 | metres per second | 15 minutes | Continuous |
| Rainfall | AM-4 | millimetres | 1 hour | Continuous |
| Sigma theta | AM-2 & AM-4 | degrees | 15 minutes | Continuous |

The continuous data can be viewed at any time at the following web site using the username and password.

www.loggermonitor.com/login

user: CBHAdmin

pass: brokenhill

Summary reports for all licence parameters are available from the website.

The weather station was not operational from March 28. This incident was reported to the NSW EPA.



5 Data Log

| Sample | Result Received |
|----------------------------------|-----------------|
| Hi Volume Samples | 23-May-17 |
| TEOM | 01-Apr-17 |
| Dust Deposition | 27-Apr-17 |
| Water | 20-Mar-17 |
| Blast Vibration and overpressure | 01-Apr-17 |

6 Correction Log

There are no corrections to the previous reports.