

# **Community Consultative Committee (CCC)**

## **Pine Dale Coal Mine – Yarraboldy Extension**

**C/- Enhance Place Pty  
Limited**

*PO Box 202  
Wallerawang NSW 2845*

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### **DRAFT Minutes of the Meeting of Members of the Pine Dale Coal Mine-Yarraboldy Extension Community Consultative Committee (CCC),**

**Held at the Pine Dale Yarraboldy mine site, and the Black Gold Conference Centre,**

**121 Main Street, Wallerawang NSW 2845**

**On Thursday 27<sup>th</sup> June, 2013 at 2.00pm**

Present:	Mr Howard Fisher	(Chairman)
	Mr Peter Barnes	(Community representative)
	Mr Robert Taylor	(Community representative)
	Clr Colin Hunter	(Lithgow City Council)
	Ms Jessica Heath	(Lithgow City Council)
	Mr Graham Goodwin	(Company representative)
	Mr Mark Frewin	(CCC Secretary – Company representative)
Guests:	Ms Karen Tripp	(Environmental Consultant)
	Mr Ray Tumney	(Environmental Consultant)
	Ms Katy Shaw	(Environmental Consultant)
Apologies:	Mrs Sharon Brown	(Community representative - Gundungurra Tribal Council)

### **Site Visit to the Pinedale Yarraboldy mine**

CCC members met at the Pinedale mine at 2PM and toured the mine operations.

The tour covered the operations at the Pine Dale Yarraboldy site, as well as the original Pine Dale mine site, which allowed the progress of rehabilitation to be reviewed by Committee members.

Poor weather made it undesirable for members to leave the mine vehicle in this tour, however a good view of mining operations was available, and the members could clearly see the mine was progressing well. Particular interest was shown in the topsoil and

subsoil management, with the progressive rehabilitation efforts on the eastern part of the mine allowing the various stages of landform creation, and subsoil placement to be observed.

In relation to the completed Pine Dale mine, members commented that the rehabilitation had progressed well since the previous year with landform stabilization being completed, and several key pasture grasses having taken hold. Company representatives indicated that further progress on pasture development was the current focus of rehabilitation at that site.

Rehabilitation of a small patch just north of the site office was noted as requiring further work to encourage plant establishment. It was noted that the area, part of the old Wallerawang Colliery pit-top had minimal topsoil pre mining, and this continued to be the rehabilitation challenge. Company representatives indicated that soil sampling had been undertaken to determine if further soil treatment would assist in boosting plant growth on this area. Council representatives supported this approach on the basis that ground in the area tended to be acidic if untreated.

Following the site tour, members adjourned to the Black Gold Conference Centre for the formal meeting.

## **CCC meeting – Black Gold Conference Centre**

### **1. Welcome and apologies**

The Chairman declared the meeting open at 2.55pm.

The apology of Mrs Sharon Brown was noted.

Mr Frewin noted that Mr Hilton Goldfinch, after many years of service to Enhance Place Pty Ltd had decided to resign his position as Mine Manager for personal reasons. Mr Goldfinch's contribution to the operation and the Community Consultative Committee was recognised by the group.

Mr Frewin then introduced Mr Graham Goodwin, who had taken on the role of Mine Manager at the project and would therefore be attending the CCC meetings going forward.

### **2. Minutes of previous meeting**

A motion to accept the minutes of the meeting held on the 31st of January 2013 was passed.

### **3. Matters Arising**

Mr Frewin reported back on two matters arising at the previous meeting:

- i) Notice of meeting one month in advance

This had been achieved via notification to residents on the blast notice recipient list one month in advance of the meeting.

- ii) Availability of minutes at Wallerawang Library

Minutes had been displayed at the Wallerawang Library following the last meeting for residents without internet connections. For those with internet access, the Company website continues to be available as a source of minutes.

Any further queries from residents can be addressed via the company hotline.

#### **4. Enhance Place (Pine Dale Mine) Yarraboldy Extension – Company report**

Mr Goodwin then ran through a presentation to outline the progress of the mine.

##### 4.1 Report on progress of the mine

Key points noted in the update included:

- Staffing changes:
  - Graham Goodwin had been appointed Mine Manager; and
  - Chris Schofield had been appointed as relief OCE. It was noted that Mr Schofield was a newly qualified local OCE, and the Company was pleased to be able to provide him the opportunity to further develop his newly acquired skills, and build up the regional skill base.
- Operations report:
  - The Yarraboldy project currently employed 12 Dukes Mining operators on site, and 5 Enhance Place staff members. The project has a good safety record – which was noted to be a credit to all involved.
  - Coal production was forecast to be complete for the Yarraboldy project in November 2013.
  - The monitoring program for the purple copper wing butterfly was complete for the year, with the butterfly having entered the underground part of its life cycle.
  - Rehabilitation of past working areas continues to be progressed, with most areas progressing well. As noted in the site visit, soil sampling has been conducted in one area north of site office, to determine if further ground treatment is required to enhance plant growth.
- Significant site inspections and reports submitted since last meeting:

- An independent report of the project against planning conditions had been conducted by consultants URS. Some improvements, largely around documentation, were suggested and these are being implemented.
- The 2012 AEMR report for the Project has been completed and is available on the Company website.
- A diesel emissions survey has been completed and submitted to the EPA.

Mr Goodwin then handed the floor to Ms Karen Tripp of RCA laboratories. Ms Tripp, under Mr Goodwin's direction, oversees the Company's comprehensive on site environmental monitoring program.

#### 4.2 Groundwater, Depositional Dust, HVAS, Vibration, and Meteorological Monitoring Report– Pine Dale Mine – April 2013

Ms Tripp ran through the April 2013 environmental monitoring report outcomes, and also provided some explanation and background on the approach taken to monitoring to help Committee members better understand the data and report.

The main points highlighted in this discussion included:

- The approach to surface water monitoring was outlined. It was noted that the mine had not discharged any surface water during the first half of the year, with any excess water being diverted into the abandoned Wallerawang Colliery underground workings.
- While groundwater monitoring is not a license requirement for the mine, it has been undertaken in order to facilitate greater understanding of groundwater movements in the area. Nothing remarkable was noted in the report.
- Depositional dust monitoring is conducted at six sites around the mine. It was noted that at all times the dust level had been below the  $4\text{g}/\text{m}^2$  limit stipulated in the License. Ms Tripp explained that an unusual spike in Nov-12 was due to a bird dropping being deposited in the dust collection system.
- High Volume Air Sampling (HVAS) is conducted to measure the suspended particulates in the air. Both Total Suspended Particulates (TSP) and Particulates less than  $10\mu\text{m}$  in size ( $\text{PM}_{10}$ ) are measured and monitored for compliance. It was noted that the  $\text{PM}_{10}$  limit was  $50\mu\text{g}/\text{m}^2$  in any 24 hr period, with an annual average limit of  $30\mu\text{g}/\text{m}^2$ . The limit for TSP was  $90\mu\text{g}/\text{m}^2$  in any 24hr period. In all cases the dust was within these licensed limits. A spike of TSP on 9/5/13 was explained by dry windy weather, but in any case, this event was within the  $90\mu\text{g}/\text{m}^2$  limit.
- Blast monitoring is undertaken at two sites in Blackman's flat. Both air overpressure and ground vibration levels are measured for each blast. Data shows that all blasts have been within the approval limits for the Jan to June period.

This discussion then led into a discussion about complaints received during the period.

### 4.3 Complaints discussion

The register of complaints received by the Company between January and June were reviewed by the Committee. The majority of complaints were associated with blasting, and on review the Company was in compliance in each instance. Several complaints related to Noise and Dust were also received earlier in the year, however these had not continued post March.

Discussions of the Committee focused on identifying any new trends emerging from the complaints received. None were identified at this meeting. Community members also requested that some identification of the source of complaints was provided to the Committee so that trends could be identified. It was acknowledged that no public release of complainant's identities should be made.

## **4. General Business**

### 4.1 Correspondence

Mr. Frewin reported that the only outgoing correspondence issued had been the notice to residents of the upcoming meeting.

Two pieces of inward correspondence were received:

- Mr Peter Barnes had submitted an email seeking clarification on how the funds contributed by the Company to the Lithgow City Council (LCC) had been applied. Discussion of this point is outlined in 4.2 below.
- A letter from Ms Julie Favell was received by the Chairman on the morning of the meeting. Due to the late submission, the Committee was not in a position to consider the letter in detail at the meeting. It was determined that the Company would draft a response and liaise with the Chairman to ensure the queries were adequately dealt with following the meeting.

### 4.2 Discussion on use of the projects contribution to Lithgow City Council

Mr Barnes letter questioned what had happened to the funds contributed by the Company at the commencement of the project (circa \$80,000). His view was that these funds were set aside for the benefit of the local community who bear most of the impacts of the mining activity. To his knowledge, the funds had not been deployed, and as Community representative he was keen to see them used in a way that would benefit residents near to the mine.

Council representative, Ms Heath, outlined that the Council approach was to take contributions from projects such as this, and add them into the Council's general capital upgrade program, which was applied to deliver the Councils "section 94" plan. Examples

of how these funds are used, include assisting with upgrades to the Council Pool, or other community facilities.

Mr Barnes stated that this was not an appropriate use of the funds, which should be redirected to more localised uses to benefit the residents in the area most directly impacted by Mining, not the broader regional community. He pointed out that the miner paid significant council rates each year, which were for more general council use, and the project levy should be more locally directed. Mr Barnes view was that the CCC should have a role in determining how these funds were to be deployed.

Councilor Hunter had some sympathy for this view, and suggested that he expected the council may be inclined to add local projects to the section 94 plan if requested by local residents. This would allow the funds to be allocated locally under the existing council arrangements. He suggested that Mr Barnes should write to the Council with such a proposal.

Mr Taylor asked what type of local projects Mr Barnes had in mind. Mr Barnes argued that projects such as local playgrounds would not be appropriate, as these just created more unfunded maintenance for Council to bear into the future. Rather he argued that contributing funds to a cause that assisted local institutions that could ensure any investment was well maintained and delivered value over time would be best. In this regard, Mr Barnes suggested that the Wallerawang School was an ideal recipient, as the children of local residents would benefit, and there was an ongoing ability for assets to be maintained. He was aware of some current capital requirements at the school which could be assisted by this fund.

Mr Frewin indicated that determining the appropriate use of the funding, was a role for the Council and local community. He saw the CCC as an appropriate forum to facilitate discussion on this point, but did not believe the CCC should have a formal approval role in regard to allocation of the funding. The Committee agreed with this position.

In conclusion, it was decided that Mr Barnes would continue discussions with Council to determine the best way forward to ensure the funding could be allocated to local projects.

#### 4.3 Other business

Mr Frewin provided a brief update on progress with regard to proposed stage 2 of the mine. The Company is continuing to develop the planning application for the mine, and address issues raised in the adequacy review by the Department of Planning. It is expected that the project application will be ready for public exhibition later in the year.

A full public consultation process will be conducted at that time to allow input from local residents or other parties, as with all planning works.

It was noted that a gap in production between the current operation and the next phase is now expected.

#### 4.4 Next Meeting

The date for the next meeting is scheduled for Thursday 30<sup>th</sup> of January.

Meeting closed.

#### Attachments:

1. RCA report: Ground Water, Surface Water, Depositional Dust, HVAS and Meteorological monitoring report – April 2013.
2. Email from Mr Barnes
3. Correspondence from Ms Favell
4. Response to Ms Favell (Post meeting)

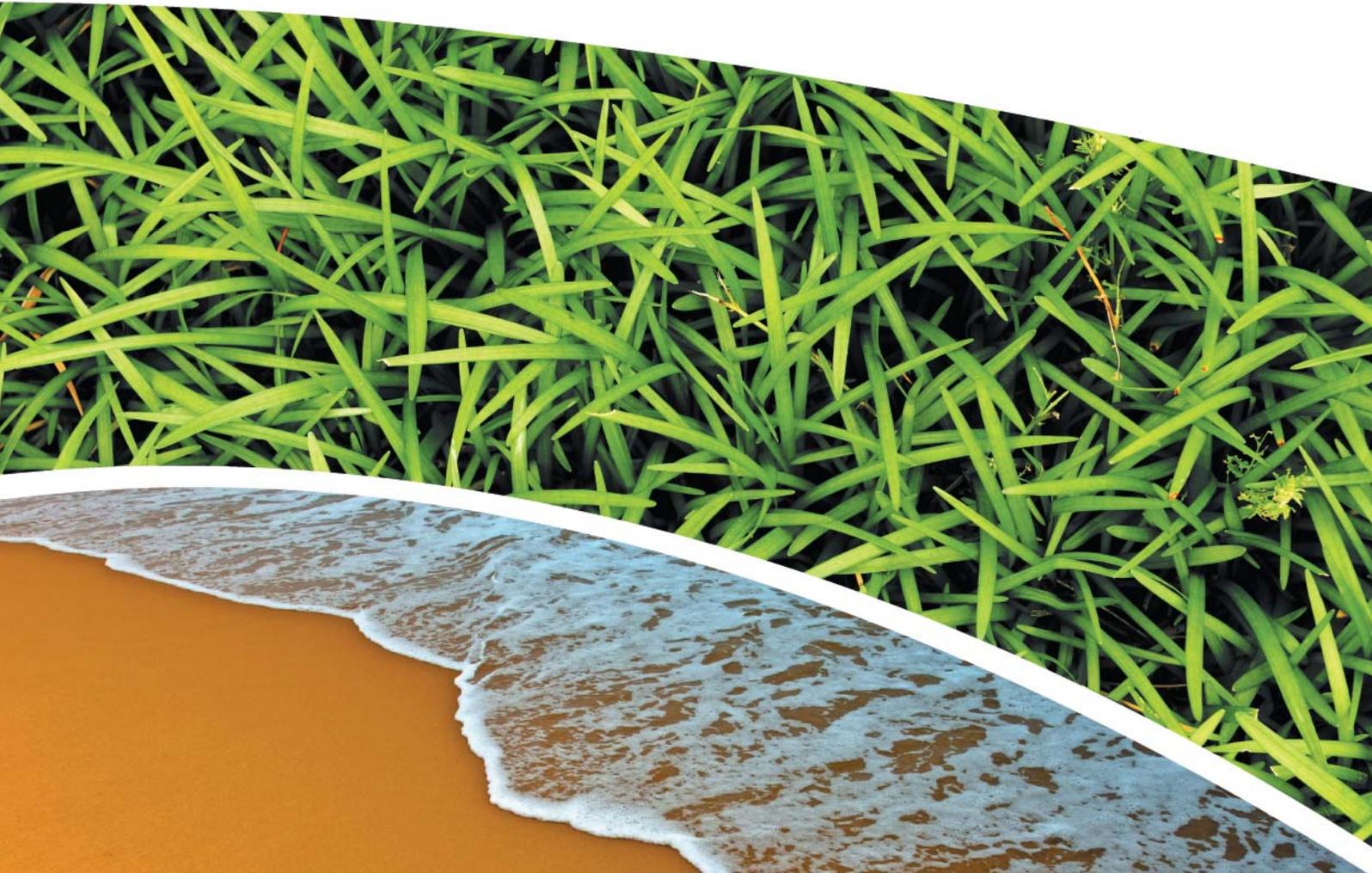
**GROUNDWATER, SURFACE WATER, DEPOSITIONAL DUST,  
HVAS AND METEOROLOGICAL MONITORING**

**Prepared for Pine Dale Mine Community Consultative Committee**

**Prepared by RCA Australia**

**RCA ref 6880-822/0**

**April 2013**



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DOCUMENT STATUS						
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/0	1	Electronic (email)	Pine Dale Mine – Graham Goodwin <a href="mailto:graham.goodwin@energyaustralia.com.au">graham.goodwin@energyaustralia.com.au</a>	13/6/13
/0	1	Electronic (email)	EnergyAustralia – Tom Hurdley <a href="mailto:tom.hurdley@energyaustralia.com.au">tom.hurdley@energyaustralia.com.au</a>	13/6/13
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/0	1	Bound report	Pine Dale Mine – Graham Goodwin PO Box 202, Wallerawang NSW 2845	13/6/13
/0	1	Electronic report	RCA – job archive	13/6/13

RCA LE ref 6880-822/0

13 June 2013

Pine Dale Mine  
PO Box 202  
WALLERAWANG NSW 2845

Attention: Mr Graham Goodwin

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**REPORT COMPILED FOR  
PINE DALE MINE COMMUNITY CONSULTATIVE COMMITTEE  
DETAILING GROUND WATER, DEPOSITIONAL DUST  
HVAS AND METEOROLOGICAL MONITORING  
APRIL 2013**

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## 1 GENERAL COMMENTS

Job Number: 6880.

Date Samples Received: During the month of April 2013.

Samples received were sampled by RCA Laboratories – Environmental staff.

## 2 ANALYTICAL PROCEDURES

The analytical procedures used by RCA Laboratories – Environmental are based on established internationally recognised procedures such as APHA and Australian Standards. Analytical test methods are detailed in **Table 1**. When an external testing laboratory is used to obtain the analysis of samples which become a part of this report, then the details of that laboratory's official report will be attached in an Appendix.

**Table 1** *Analytical Test Methods*

ANALYSIS	METHOD	UNITS	ANALYSING LABORATORY	NATA / NON-NATA ANALYSIS
Determination of Suspended Particulate Matter	ENV-LAB003	µg/m <sup>3</sup>	RCA Laboratories - Environmental	NATA Analysis
Determination of Particulate Matter – Deposited Matter	ENV-LAB004	g/m <sup>2</sup> /month	RCA Laboratories - Environmental	NATA Analysis
pH	ENV-LAB006	pH	RCA Laboratories - Environmental	NATA Analysis
Conductivity	ENV-LAB010	µS/cm	RCA Laboratories - Environmental	NATA Analysis
Total Suspended Solids	ENV-LAB009	mg/L	RCA Laboratories - Environmental	NATA Analysis
Turbidity	ENV-LAB037	NTU	RCA Laboratories - Environmental	NATA Analysis
Oil and Grease	ENV-LAB022	mg/L	RCA Laboratories - Environmental	Non-NATA Analysis
Major Anions (Alkalinity, Cl, SO <sub>4</sub> )	ED037, ED041, ED045	mg/L	ALS	NATA Analysis
Major Cations (Ca, Mg, Na, K)	ED093	mg/L	ALS	NATA Analysis
Dissolved Metals	EG020F	mg/L	ALS	NATA Analysis

### 3 WATER ANALYSIS RESULTS

#### 3.1 GROUNDWATER

A total of 5 on-site groundwater samples were collected during the month of April 2013. No sample was collected from groundwater monitoring location P4 as the bore did not contain sufficient water to sample. Water quality analysis results are shown in **Table 2**.

**Table 2** Groundwater Analysis Results

ANALYSIS	UNITS	P2	P3	P6	P7	P7a
Sample Number		04136880019	04136880020	04136880010	04136880021	04136880022
Date Sampled	-	22/04/2013	22/04/2013	22/04/2013	22/04/2013	22/04/2013
Time Sampled	-	17:20	17:14	16:00	16:15	16:20
Standing Water Level	m	5.10	5.78	26.81	7.69	5.76
Standpipe Height	m	0.95	0.66	0.95	1.00	0.90
Relative Standing Water Level*	m	4.15	5.12	25.86	6.69	4.86
pH	pH unit	5.1	4.8	6.9	6.9	6.8
Conductivity	µS/cm	241	604	1000	779	847
Bicarbonate Alkalinity	mg/L	<1	<1	48	197	202
Total Alkalinity	mg/L	<1	<1	48	197	202
Sulphate	mg/L	82	227	448	76	47
Chloride	mg/L	7	11	18	96	136
Calcium	mg/L	10	34	104	44	52
Magnesium	mg/L	8	26	46	49	51
Sodium	mg/L	14	27	31	44	45
Potassium	mg/L	4	8	20	9	12
Iron	mg/L	1.22	2.83	11.6	<0.05	2.14

**NOTES:** \*Depth relative to ground level (not standpipe height).

Groundwater monitoring locations are shown in **Appendix 1**.

### 3.2 EPA SURFACE WATER MONITORING

Routine quarterly surface waters were not scheduled to be monitored this month. Quarterly surface water monitoring is next scheduled to be undertaken in May 2013.

## 4 AIR QUALITY MONITORING RESULTS

### 4.1 HIGH VOLUME AIR SAMPLERS (HVAS)

HVAS at this facility conform to AS/NZS 3580.9.3:2003, AS/NZS 3580.9.6:2003 and AS/NZS 3580.1.1:2007.

HVAS Total Suspended Particulate analysis results are shown in **Table 4**;

PM<sub>10</sub> Suspended Particulate Matter results are shown in **Table 5**.

**Table 4** Total Suspended Particulates ( $\mu\text{g}/\text{m}^3$  0°C 101.3 kPa)

RUN DATE	TSP ( $\mu\text{g}/\text{m}^3$ )	SAMPLE NUMBER	FILTER NUMBER	DATE FILTER OFF	TIME FILTER OFF	FIELD TECH	HOURS RUN
03-Apr-13	13	04136880043	8606002	05-Apr-13	12:50	Client	24.00
09-Apr-13	13	04136880045	8698261	11-Apr-13	11:05	Client	24.00
15-Apr-13	45	04136880047	8698263	17-Apr-13	11:25	Client	24.02
21-Apr-13	22	04136880049	8698265	23-Apr-13	7:50	Client	24.02
27-Apr-13	35	04136880051	8698267	29-Apr-13	14:10	K Hawes	24.00

**Table 5** Suspended Particulate Matter PM<sub>10</sub> ( $\mu\text{g}/\text{m}^3$  0°C 101.3 kPa)

RUN DATE	PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	SAMPLE NUMBER	FILTER NUMBER	DATE FILTER OFF	TIME FILTER OFF	FIELD TECH	HOURS RUN
03-Apr-13	8	04136880044	8606003	05-Apr-13	12:50	Client	24.00
09-Apr-13	4	04136880046	8698262	11-Apr-13	11:05	Client	24.00
15-Apr-13	30	04136880048	8698264	17-Apr-13	11:25	Client	24.00
21-Apr-13	5	04136880050	8698266	23-Apr-13	7:56	Client	24.01
27-Apr-13	18	04136880052	8698268	29-Apr-13	14:10	K Hawes	24.00

#### 4.1.1 Allowable TSP Limits

The EPA Annual Mean TSP allowable limit is  $90\mu\text{g}/\text{m}^3$ . All TSP HVAS results recorded during this monitoring period are in compliance with consent conditions, as the *current rolling annual mean* (from May 2012 to April 2013) for the TSP unit is  $25.3\mu\text{g}/\text{m}^3$ , which is well below the allowable limit of  $90\mu\text{g}/\text{m}^3$ .

#### **4.1.2 Allowable PM<sub>10</sub> Limits**

The EPA 24h Maximum PM<sub>10</sub> allowable limit is 50µg/m<sup>3</sup>. The EPA Annual Mean PM<sub>10</sub> allowable limit is 30µg/m<sup>3</sup>. All PM<sub>10</sub> HVAS results recorded during this monitoring period conform to consent conditions, as the *current rolling annual mean* for the PM<sub>10</sub> unit is 11.8µg/m<sup>3</sup>, which is below the allowable limit of 30µg/m<sup>3</sup>. The 24 hour maximum allowable limit of 50µg/m<sup>3</sup> was not exceeded on any run day during the April 2013 monitoring period.

#### **4.1.3 Comments**

HVAS monitoring locations are shown in **Appendix 1**.

Graphical HVAS results presentations are shown in **Appendix 2**.

## 4.2 DEPOSITIONAL DUST

Depositional Dust Gauges at this facility conform to AS/NZS 3580.10.1:2003 and AS/NZS 3580.1.1:2007. Depositional Dust monitoring results are shown in **Table 6**.

**Table 6** *Depositional Dust Monitoring - Deposited Matter April 2013*

SAMPLE NO	DEPOSIT GAUGE	DATE SAMPLE STARTED	DATE SAMPLE COMPLETED	NO OF DAYS	NOTES	INSOLUBLE SOLIDS (g/m <sup>2</sup> /month)	ASH (g/m <sup>2</sup> /month)	COMBUSTIBLE MATTER (g/m <sup>2</sup> /month)
04136880033	D1	20/03/2013	22/04/2013	33*	IT	0.8	0.3	0.5
04136880034	D2	20/03/2013	22/04/2013	33*	I	0.7	0.3	0.4
04136880035	D3	20/03/2013	22/04/2013	33*	IT	0.7	0.4	0.3
04136880036	D4	20/03/2013	22/04/2013	33*	I	0.6	0.3	0.3
04136880037	D5	20/03/2013	22/04/2013	33*	I	0.4	0.2	0.2
04136880038	D6	20/03/2013	22/04/2013	33*	I	0.3	0.2	0.1

\*Please note that insoluble solids, ash residue and combustible matter are calculated based on a 30 day month as per Australian Standard 3580.10.1. Exposure days are taken into consideration as a variable when conducting this calculation and producing results in g/m<sup>2</sup>/month.

### 4.2.1 Glossary of Terms Used in Notes

I Insects (e.g. ants, spiders)                      IT Insects (e.g. ants, spiders) & Tree Litter (e.g. twigs, leaves, gumnuts)

### 4.2.2 Allowable Depositional Dust Limits

The EPA Long Term (Annual Average) Dust Limit is 4g/m<sup>2</sup> per month. All Depositional Dust results during this monitoring period are in compliance with consent conditions. The Annual Average for Dust Gauges D1, D2, D3, D4, D5 and D6 are all less than 1.0g/m<sup>2</sup> per month, which is below the allowable Annual Average Long Term Limit of 4g/m<sup>2</sup> per month. During this period, gauges were exposed for 33 days. Results are based on a 30-day month and the exposure exceedance has been factored into the equation during calculation, therefore it is still possible to deem the results for April accurate and reliable.

Depositional Dust monitoring locations are shown in **Appendix 1**.

Graphical Depositional Dust results are shown in **Appendix 2**.

### 4.3 BLASTING

Blasting results for the month of March are shown in **Table 7**.

**Table 7** *Blasting Results- Airblast Overpressure (dB) and Ground Vibration (mm/sec)*

Date	<b>Park</b>		<b>Noon St.</b>		<b>Summer St.</b>	
	Overpressure (dB)	Vibration (mm/sec)	Overpressure (dB)	Vibration (mm/sec)	Overpressure (dB)	Vibration (mm/sec)
5/04/2013	NT	NT	111.6	2.21	107.4	2.17
11/04/2013	NT	NT	105.0	1.94	106.8	2.07
17/04/2013	NT	NT	91.2	0.08	NT	NT
<b>2012- 2013 Year to Date Information</b>						
Minimum	103.9	0.32	91.2	0.08	95.7	0.10
Average	111.3	2.30	108.6	1.30	108.7	1.50
Maximum	114.6	3.87	114.4	2.69	116.3	4.58
% > EPL 95% Compliance Criteria	0.0%	0.0%	0.0%	0.0%	2.6%	0.0%
% > EPL 100% Compliance Criteria	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

**Notes:** NT No Trigger. Blast monitoring unit was not triggered during the blast.

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### 4.3.1 Allowable Blasting Limits

Conditions of EPL 4911 state that in relation to airblast overpressure levels a result of greater than 115dB must not be observed at any noise sensitive location for more than 5% of the total number of blasts over each annual reporting period. All blasts within the annual reporting period (100% of blasts) are not to exceed the compliance criteria of 120dB. Ground vibration peak velocity levels must not exceed 5mm/sec for 95% of blasts, whilst an intensity of 10mm/sec must not be exceeded by any blast during the reporting period. The reporting period runs as a rolling 12-month average from May 2012 to April 2013.

During April 2013, there were nil exceedances of the EPL conditions for both overpressure and vibration levels. For the rolling annual average, there have been zero blasts which have exceeded the 100% compliance conditions of 120dB and 10mm/sec for overpressure and vibration respectively. The overpressure and vibration criteria of 115dB and 5mm/sec, respectively, have not been exceeded for more than 5% of the blasts during the reporting period.

Graphical blasting results from overpressure and vibration are presented in **Appendix 2**.

## 5 OPERATIONAL ACTIVITIES

Throughout April 2013 production at Pine Dale Mine has been concentrated in Blocks 6, 7 and 8 within strips 9 and 10.

Relatively low rainfall was observed throughout the month, 27.0 mm total, which predominantly fell on the 16<sup>th</sup> of the month and therefore production materials targets have been achieved this month. In total 150,000 tonnes of overburden were excavated and 30,000 tonnes of coal delivered to Mt Piper Power Station. Operations this month were principally undertaken with the use of two excavators and three trucks.

At present, due to the warmer than average weather being observed, Purple Copper Butterfly monitoring is continuing.

## 6 SUMMARY

During the month of April 2013 all environmental monitoring constituents were found to be in compliance with EPL 4911.

Quarterly surface waters were not scheduled to be sampled this month. Surface water Quality monitoring is next scheduled to be undertaken in May 2013.

Rolling annual averages from both the TSP and PM<sub>10</sub> High Volume Air Samplers are currently well below the EPA Annual Mean TSP and PM<sub>10</sub> criterion of 90µg/m<sup>3</sup> and 30µg/m<sup>3</sup> respectively. There were zero exceedances of the PM<sub>10</sub> short term impact assessment criteria of 50µg/m<sup>3</sup> over twenty-four hours during April 2013.

Currently there are no depositional dust gauge results which are greater than the EPA Long Term (annual average) criteria of 4g/m<sup>2</sup>/month based upon a rolling average of the past 12 months.

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During April there were nil exceedances of the blasting requirements documented in the Pine Dale Mine EPL. During the previous twelve month reporting period, there were nil non-conformance's based upon the 95% or 100% limits for either overpressure or vibration levels.

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Please contact the undersigned if you have any queries.

Yours sincerely



Katy Shaw  
Environmental Scientist  
RCA Australia Pty Ltd trading as  
RCA Laboratories – Environmental

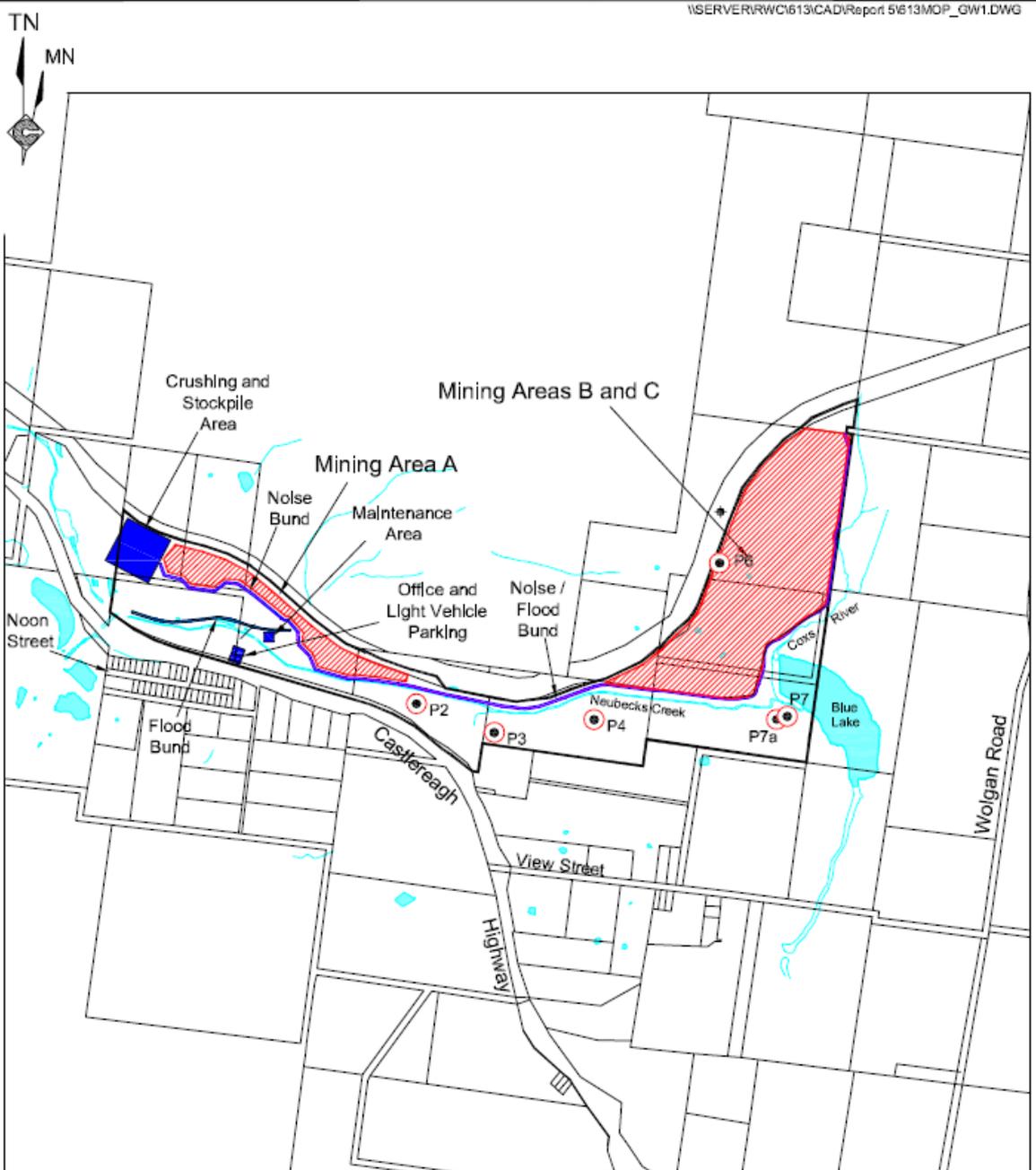


Karen Tripp  
Senior Environmental Scientist/Hygienist  
RCA Australia Pty Ltd trading as  
RCA Laboratories – Environmental

# Appendix 1

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## Groundwater and Air Quality Monitoring Locations



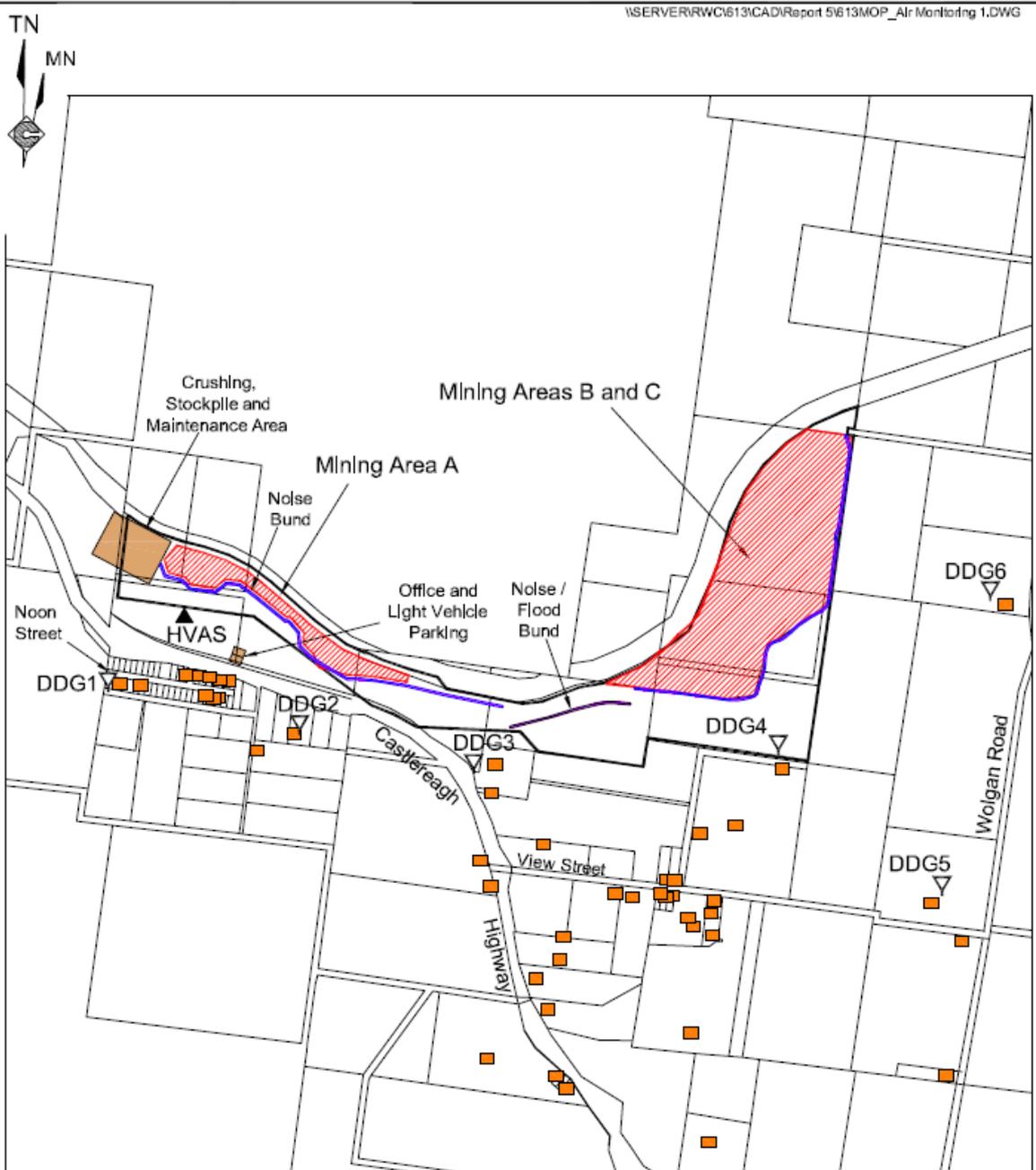
REFERENCE  
 — Mine Site Boundary (ML\_XYZ)  
 ● P4 Groundwater Monitoring Location

SCALE 1:20 000



Figure GW1  
GROUNDWATER MONITORING LOCATIONS





REFERENCE  
 — Mine Lease Boundary (ML1578)  
 ■ Residence  
 DDG1 ▽ Air Quality Monitoring Location (Deposited Dust)  
 HVAS ▲ Air Quality Monitoring Location (High Volume Sampling)

SCALE 1:20 000



Figure AQ1  
AIR QUALITY MONITORING LOCATIONS

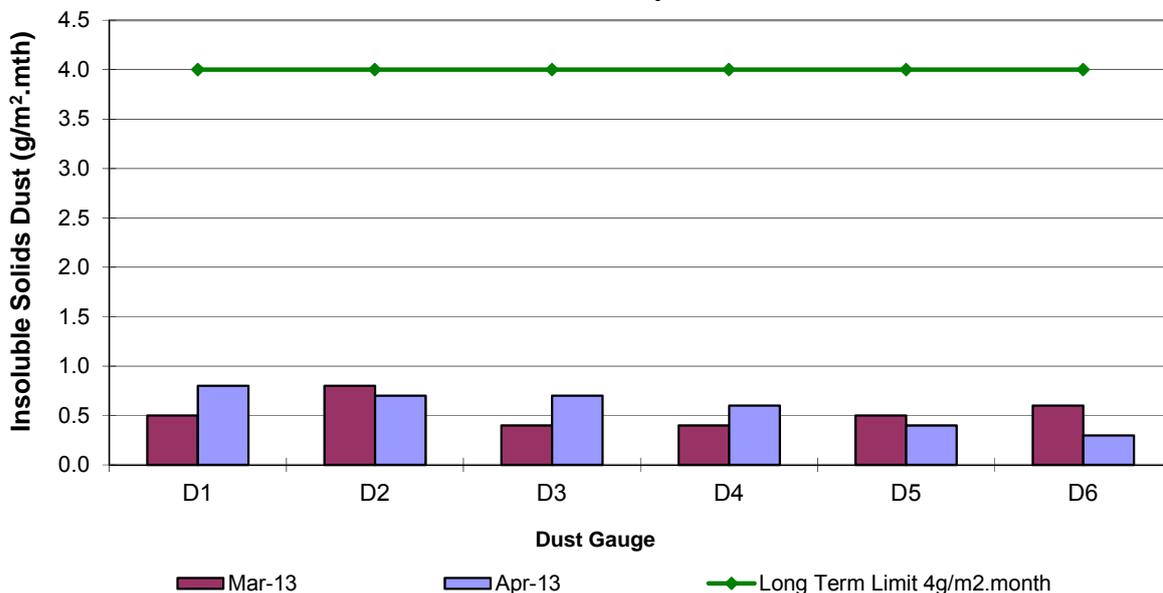


# Appendix 2

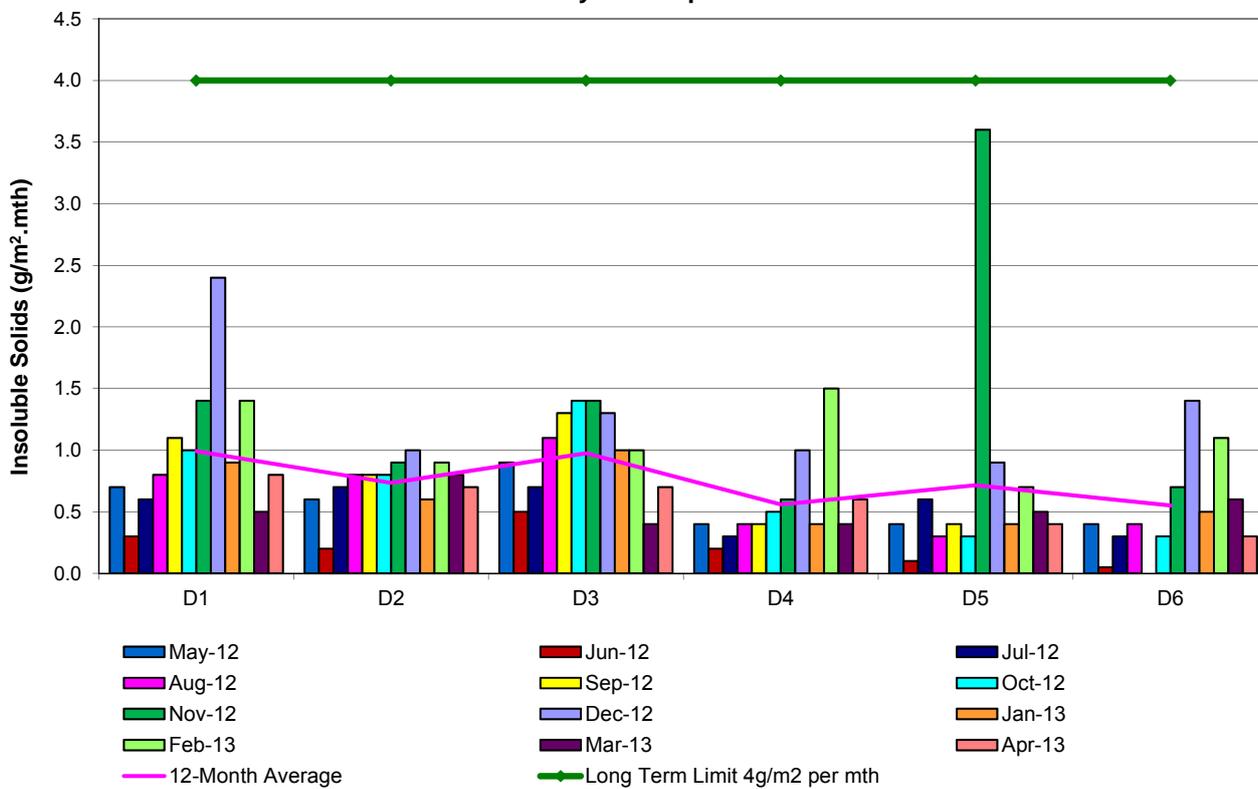
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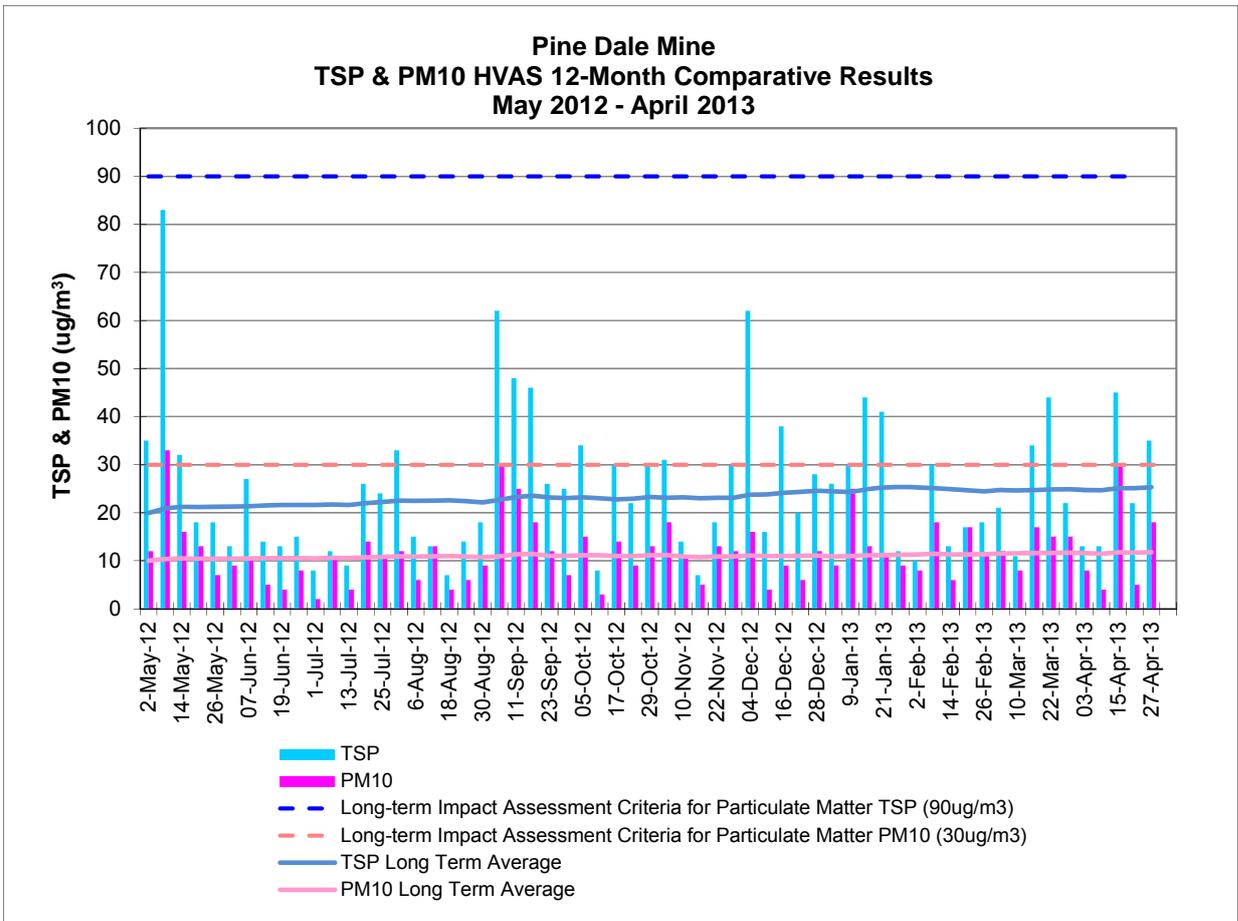
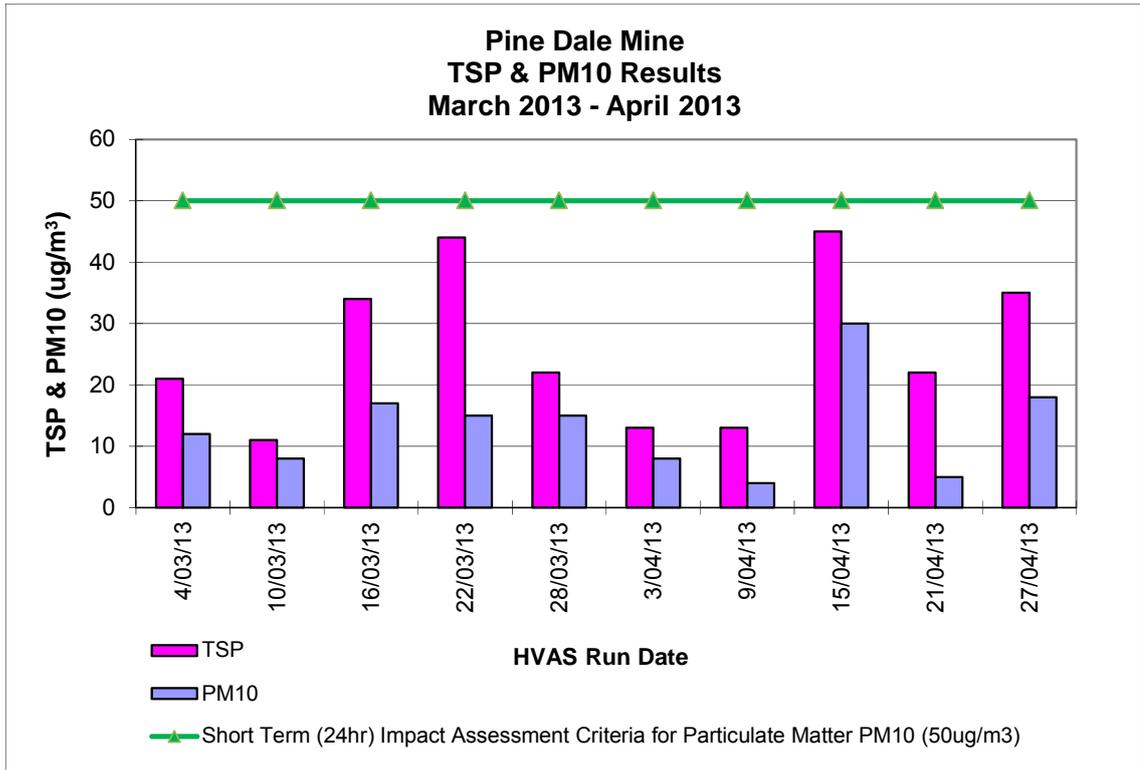
Depositional Dust, HVAS and Blast Result Graphs

**Pine Dale Mine  
Depositional Dust Gauge Comparative Results  
March 2013 - April 2013**

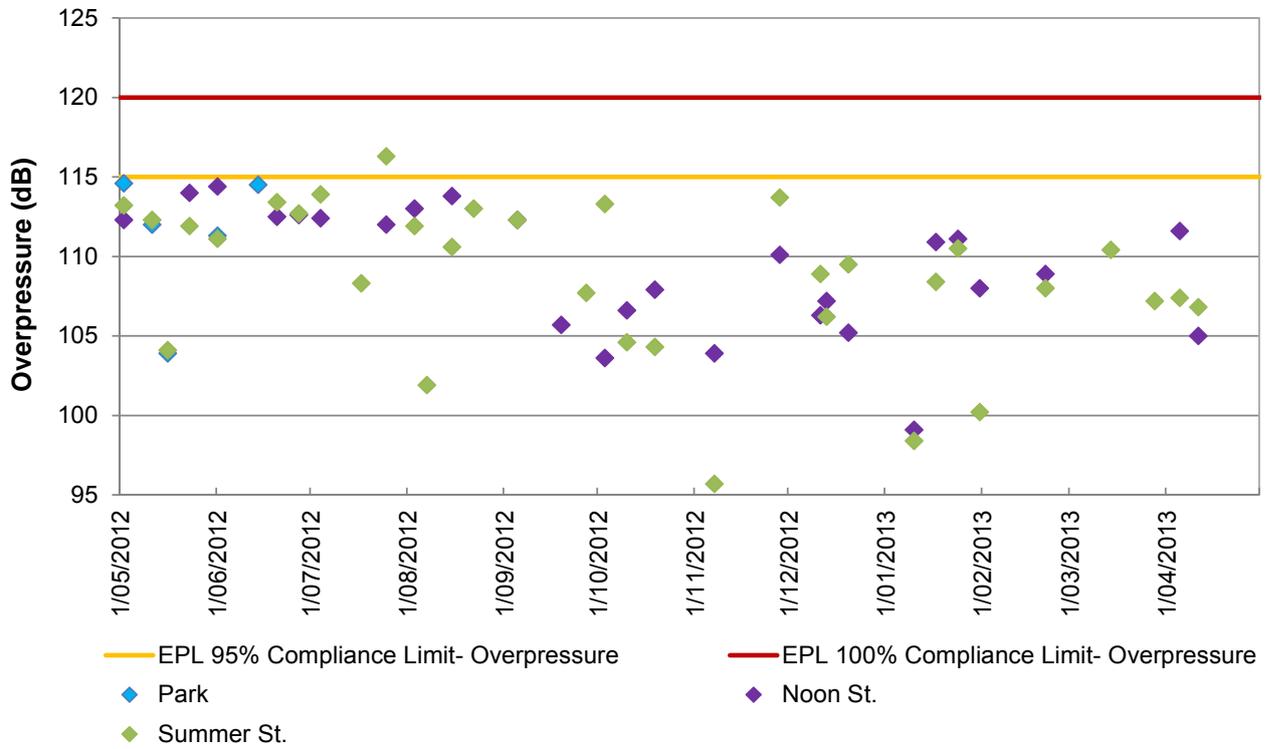


**Pine Dale Mine  
Deposited Matter - Insoluble Solids 12 Months Comparative Results  
May 2012- April 2013**

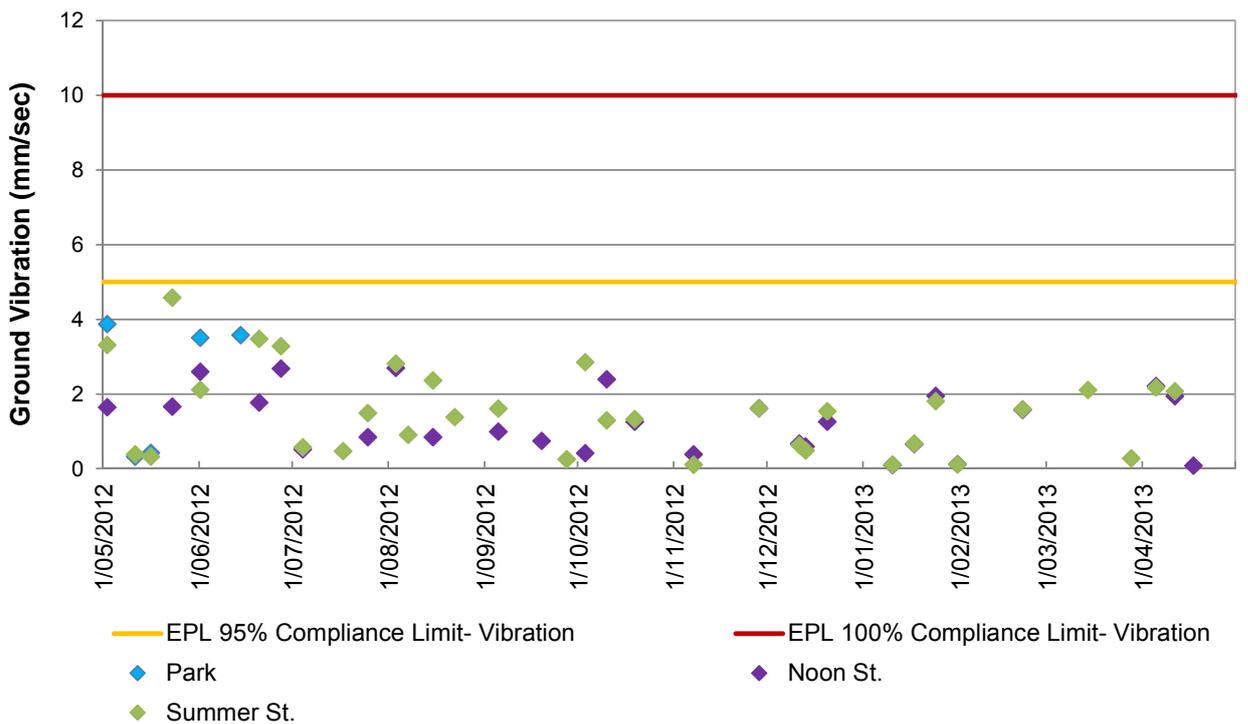




**Pine Dale Mine  
Blasting- Airblast Overpressure  
May 2012 to April 2013 Comparable Data**



**Pine Dale Mine  
Blasting- Ground Vibration  
May 2012 to April 2013 Comparable Data**

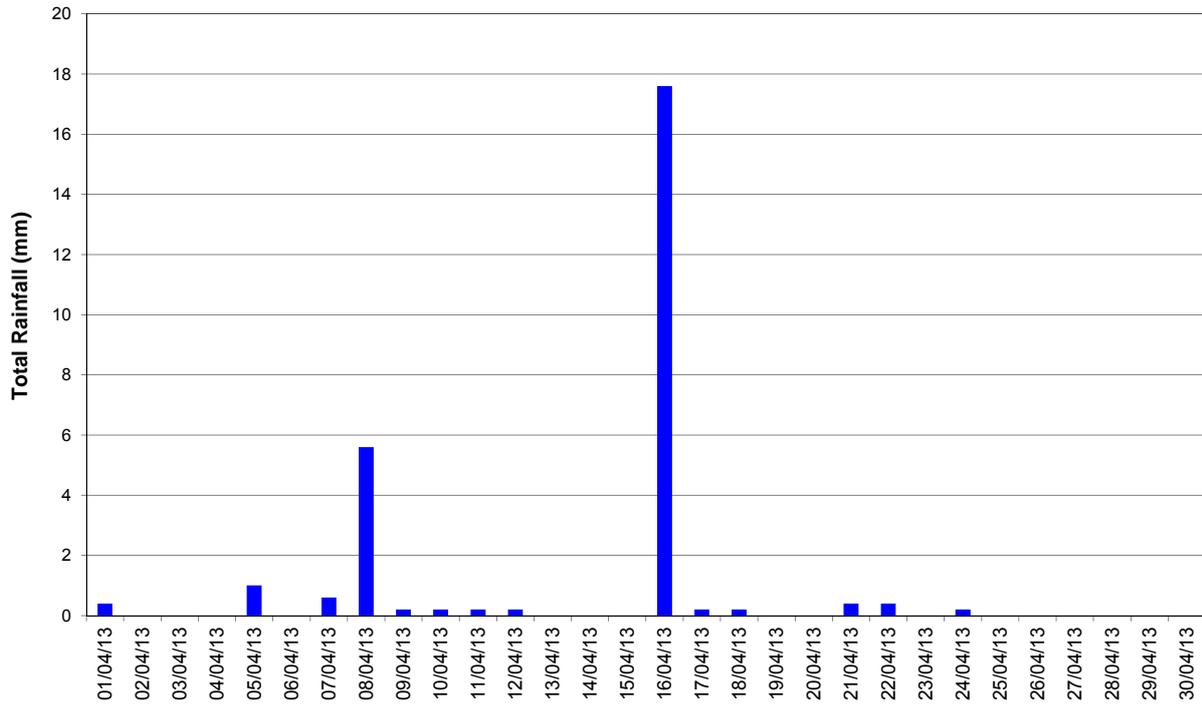


# Appendix 3

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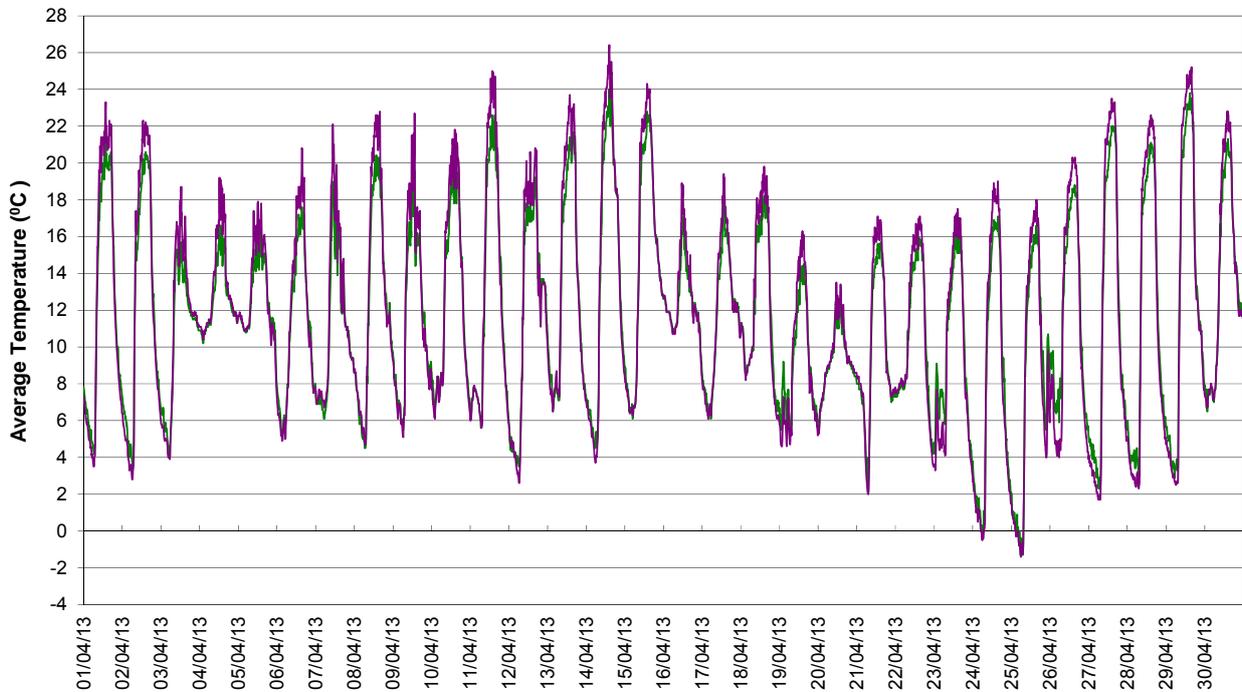
Meteorological Data

**Blackmans Flat NSW**  
**Total Rainfall - Period: 1/04/2013 to 30/04/2013**



Total Rainfall for April 2013: 27.0 mm

**Blackmans Flat NSW**  
**Average Air Temperature - Period: 1/04/2013 to 30/04/2013**

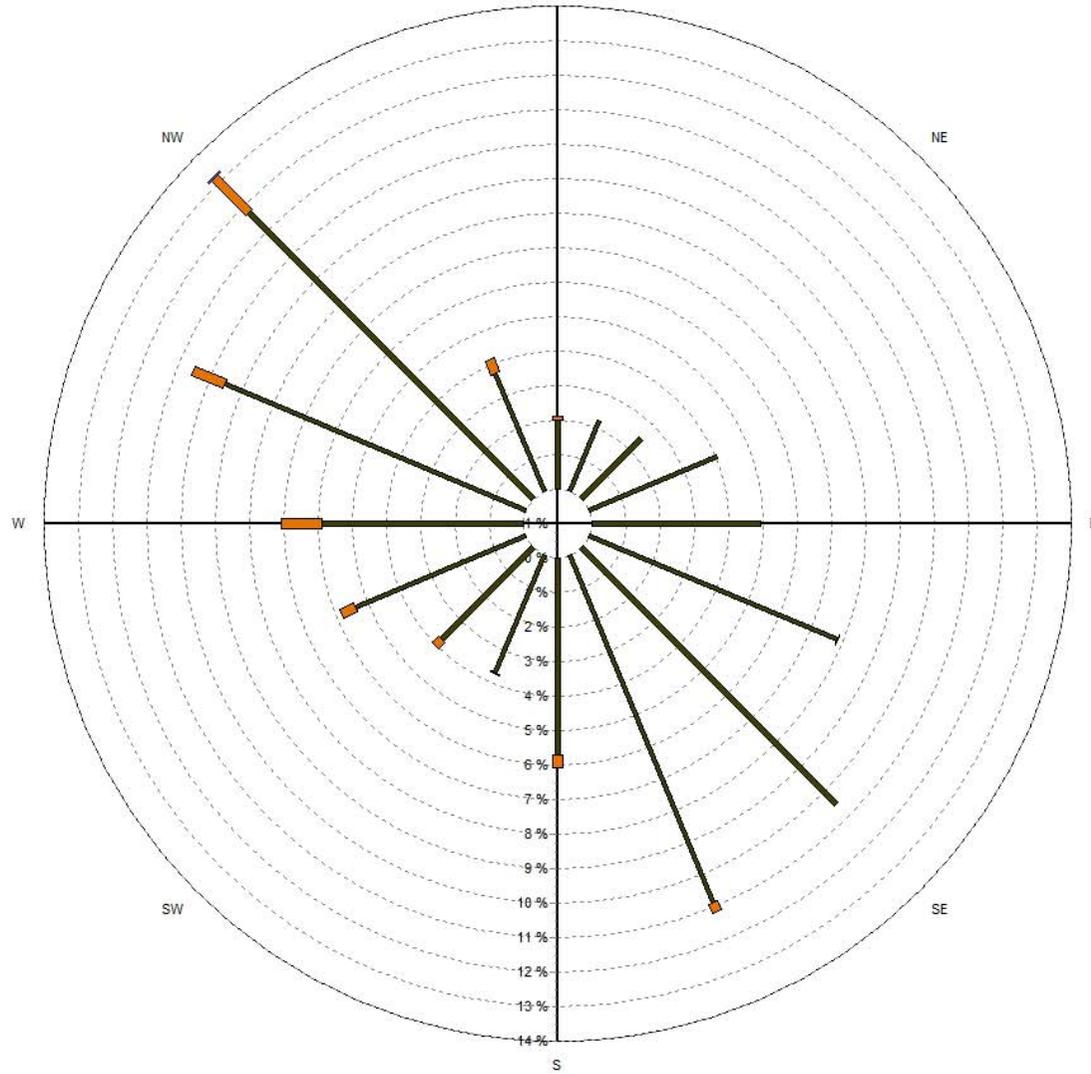
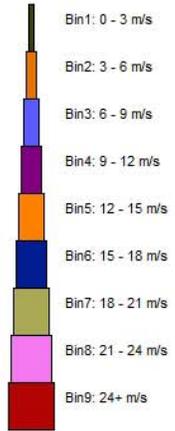


— Average Temperature 10m (°C)

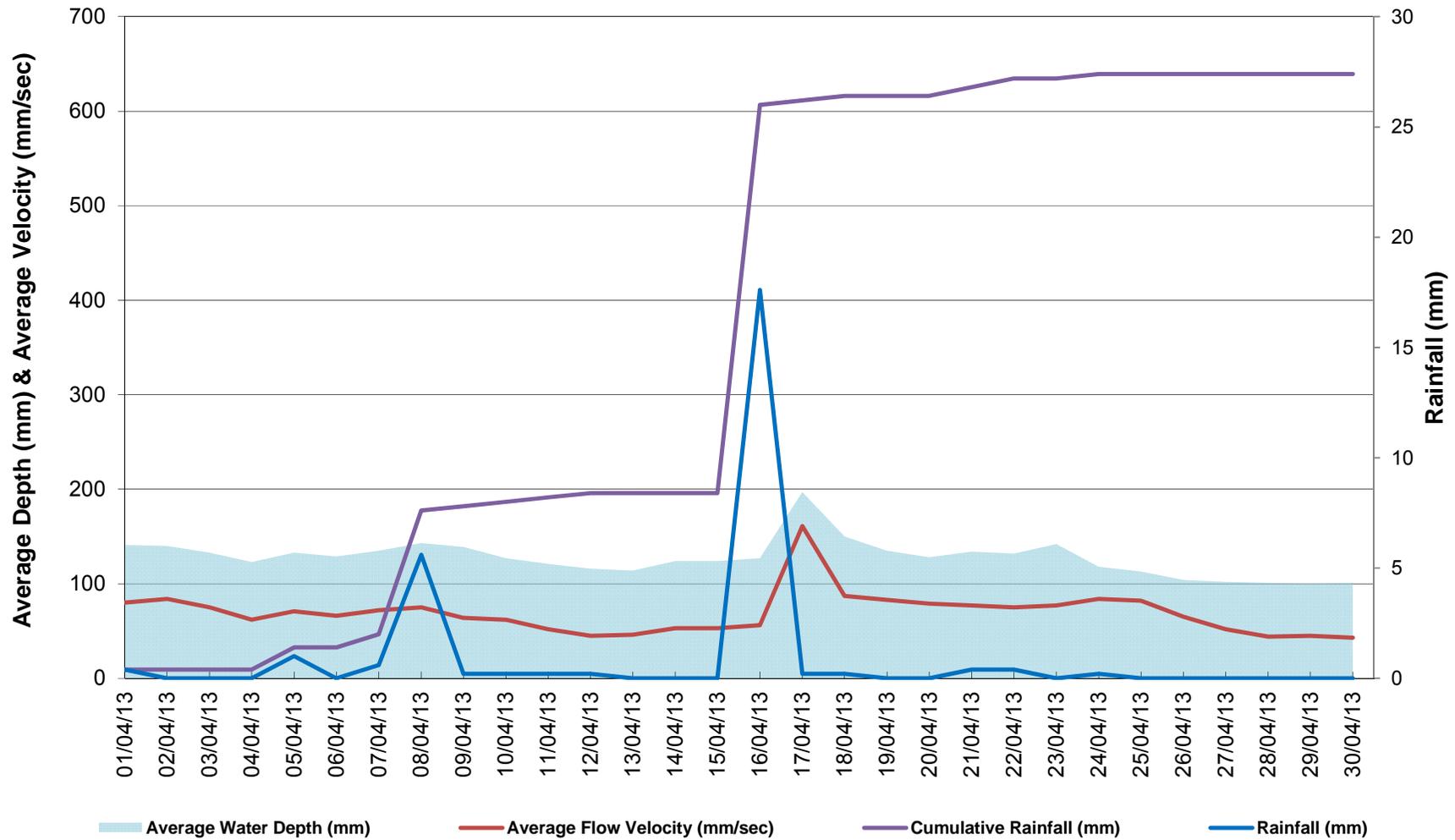
— Average Temperature 2m (°C)

### Blackman's Flat Windrose

1/04/2013 to 30/04/2013  
N



**Neubecks Creek - Blackmans Flat NSW**  
**Average Depth & Velocity vs. Rainfall- Period: 1/04/2013 to 30/04/2013**



**Email message: From P Barnes to Pinedale Yarraboldy CCC**

**Subject: Utilisation of Project contribution to Council**

HIGH MARK

To my knowledge no money has ever been given to any project,  
development consent was granted on 20 august 1997  
\$25,000 first grant.

SCHEDULE 2

ADMINISTRATIVE CONDITIONS (15)

prior to the production of saleable coal on site,  
the proponent shall pay council \$79,800 for the  
provision of community infrastructure and services.

may be we can help wang school with there major project.

Springvale open cut Blackman's flat also put in \$15000

REGARDS

Peter.

**Attention Graham Goodwin**

**Pine Dale Yarraboldy Extension CCC - 27<sup>th</sup> June 2013**

I would like to raise some questions in both Business Arising from January 2013 CCC Meeting and General Business for CCC Meeting 27<sup>th</sup> June 2013.

Business Arising from draft minutes for Pine Dale CCC meeting 31/1/13:

1. – Item 2.1 Ground water, Surface water, Depositional dust, HVAS and Meteorological Monitoring report dot point 2 **“Mr Goldfinch noted that: He was pleased to report that there had been no exceedences of any nominated thresholds to the date of compilation of the report, including those for blasting water management and dust. Therefore the project was fully compliant with its environment protection licence to that date”.**

**I dispute this argument and there has been a previous exceedence which is shown on the Pine Dale Mine Blasting- Air-blasting Overpressure YTD 2012 Comparable Data – shows there are exceedences and on numerous occasions it has been on the threshold. (attached to January 2013 minutes) It also notes that both the Blasting – Air-blasting Overpressure and Blasting – Ground Vibration YTD data is on 95% compliance.**

2. -Item 2.2 Report on how the mine is progressing page 4 Mr Goldfinch raises a question in regards to the graph in appendix 2, title “TSP&PM10 HVAS 12 month Comparative Results December 2011- November 2012. This graph featured several Total Suspended Particle TSP spikes that may have raised questions by some readers. After consulting with the author of the document on this point, Mr. Goldfinch had confirmed that theses spikes in dust corresponded with dry and windy weather patterns – and so were the result of ambient weather conditions and not mining activities. It was noted that even though these short term spike appeared to be features on the graph, at all times the Company had been in compliance with its dust emissions criteria during that period.

**I dispute this, as number one a windy day is a windy day and people who live in Blackmans Flat have to live with this, and a spike is a spike showing that those conditions are creating a breach with the mine on those particular days, to say the dust is not from the mine is ridiculous you have hectares and hectares of disturbed area and the mine will be part responsible or fully responsible for the dust in the air. Averaging out does not reflect the true impacts on those days which I believe the mine will be breaching. I intend to send this document to all relevant departments to inform them of the method of averaging out does not reflect the true impacts within it surrounds.**

3. Questions from Mrs Favell 2.(a) 1<sup>st</sup> dot point – Meeting notices would be issued to residents who receive blast notices one month in advance of each meeting.

Thank you this has been achieved. But I noticed minutes are to be acquired by either web site or Wallerawang library. I do not think it should be up to residents to have to pay for the copying of minutes if they are unable to access a website. I believe it is common courtesy for this mine to provide to the local residents given those residents have been there long before this recent mine approval. This will give information especially to those immediate residents and will inform this community and offer the opportunity to feel included when they wish to approach a subject regarding the mine.

4. 2. (c) Questions from Mrs Favell other communications suggested: Dot point 1 *An email address for complaints/and or general information inquiries to be sent to was suggested. The Company has agreed to establish this facility and will add this to blast notices to inform residents*

**This was accomplished and we did receive a number of blast notices which did indeed have an email address, but all the recent blast notices the email address has been removed, - why? It needs to be in place again, and I should not have to keep raising questions when something has been approved as a procedure.**

2. (f) *Comment on Noise impact from Inversion- Mrs Favell raised concerns that some previous noise data from the Company had not appropriately taken the impacts of localised temperature inversions into account. Mr Goldfinch disagreed, and indicated that the environment compliance reports prepared by RCA did in fact take temperature inversions into consideration.*

**Mr Goldfinch has taken my question out of context and my complaint was :**

that in the Favell/Jonkers Noise report June 2012 from RCA consultant for Pine Dale Mine page 5 Discussion was the company stated (highlighted in yellow see below) that temperature inversions **are uncommon**, this is false and temperature inversions are common in our area. Which means we have and will have exceedences regularly.

*An examination of the meteorological conditions present at the time of the noise complaint has been revealed that a temperature inversion was in effect between 6 am and 10 am on the 23rd May 2012. It is believed the temperature inversion conditions had impacted upon the noise emissions from the Pine Dale Mine operations, making the audible at the Jonkers and Favell residence.. It is well documented that during temperature inversion condition, sound waves from the source are refracted back to ground level some distance away from the source, causing noise levels to typically increase by 5 to 10dB. The occurrence of the temperature inversion was determined to be uncommon and existed essentially for a relatively short duration (4 hrs). hence noise levels existing during these conditions are not directly comparable to the Noise Impact Assessment Criteria". Also noted on page 5 the report shows that there had been exceedences on that day*

**Please see attached response report concerns about this noise report and their recommendations from EPA Bathurst after I questioned a number of items on this report. EPA. I have only received this response from EPA Bathurst this week . But sent, to Pine Dale mine September 2012. I noticed that this letter and its recommendations by EPA to this company have not been tabled at the previous meeting. I would like this to be given to the committee and be tabled. It is noted that EPA have a number of issues and requests from this mine and the consultant. This is something a resident should not have to spend**

time doing, this mine chose to mine in an area with a community it is responsibility at all times to have the least impact on an immediate community. It also tells me that whilst you may believe that a professional consultant and Company are providing you that professional level it is not the case, follow up is required to ensure if there is doubt on any professional report it needs to go to an independent body i.e. EPA.

In addition to the produced Noise report by RCA for Pine Dale Mine for Jonkers/Favell Noise Report June 2012

I wish to also make a complaint in regards to the RCA Noise report for Jonkers/Favell residence June 2012 also shows *page 1* paragraph 3 "All noise data recorded during periods of rainfall, or where wind speeds of >3m/s were present **have been excluded** from the statistical calculations". This does not reflect the true impacts on this community and therefore the report is an invalid report. Again it shows that whilst a report is given by a professional agency follow up may be the outcome to ensure what has been provided by a supposedly professional agency may not be the case

I believe Pine Dale Mine are in possession of this report and authorise it to be released to all committee members or any other person who lives in Blackmans Flat be made available.

**GENERAL BUSINESS**

1. a. Could the Company please give a detailed report on where the mine is up to and all of their projected plans once Pine Dale Yarraboldy extension has been completed?  
  
b. If Enhance Place Pty Ltd do proceed with Stage 2 with further options to mine in the Blackmans Flat area, then I wish it to be noted in these minutes that I object to any further open cut mining (but with the option to underground mine Board and Pillar with Comprehensive Management Plans) be approved due to the current cumulative impacts on this community. If Enhance Place Pty Ltd is given permission to open cut with further developments then this company will take the responsibility as with Centennial Coal to provide full cost recovery to all residents to relocate and have not costs incurred by those residents who wish to leave the area due to the area will be unfit for human habitation
2. a. Why is 2 staff Mining Manager and Environmental Officer now working at Pine Dale who currently works for Coalpac Combined Project?  
  
b. Has TRUenergy Energy Australia bought the Coalpac Mine?
3. I believe it is an accepted good practice for any organisation to have a feedback survey that reflects around its organisational operations and policies. Does this company have a policy on feedback and if not I would like to see a survey provided and circulated to the **local community** on a half yearly basis to en-capture the comments regarding this company and its operations.



Julie Favell

Our reference: LIC07/1677-05; DOC12/36639  
Contact: Andrew Helms (02) 6332 7604

The Operations Manager  
Pine Dale Open Cut Coal Mine  
Enhance Place Pty Limited  
PO Box 202  
WALLERAWANG NSW 2790

7 September 2012

Dear Mr Goldfinch

I refer to a noise monitoring report prepared by Robert Carr & Associates Pty Limited, on behalf of Enhance Place Pty limited (Pine Dale Mine), in response to a noise complaint by Ms Julie Favell of 1466 Castlereagh Highway, Blackmans Flat on 23 May 2012. The Environment Protection Authority (EPA) was provided with a copy of this report by Pine Dale Mine on 19 June 2012 and has now reviewed this report following a request to do so by Ms Favell on 2 August 2012.

The report summarises the results of unattended noise monitoring undertaken by Robert Carr & Associates between the period 31 May to 11 June, 2012. A single noise monitor (ARL 316 Portable Statistical Noise Logger) was used to monitor for noise during this period. The EPA offers the following comments following its review of this report:

- No detailed assessment has been provided regarding the mine's contribution to the noise environment at Blackmans Flat and whether the mine exceeded its project noise limits during this period.
- No attended monitoring was undertaken to assist in the verification of results obtained by the ARL 316 noise logger. Such monitoring is typically undertaken at the time of the initial setting up of the unattended logger and again upon its retrieval.
- No discussion was provided regarding the decision to locate the noise monitor where it was and whether this location was compliant with the requirements of condition L4.6a(i) of Environment Protection Licence 4911.
- Table 3 appears to confuse the hours of operation at Pine Dale mine. In this table there is a demarcation between operational and non operational results for both the evening and night time periods. Pine Dale effectively only operates during the day time and therefore these results should have been reported to be the same.
- No discussion was provided regarding the operational activities that were taking place within Pine Dale Mine during the period of unattended monitoring. Such discussion should have included location of operations (mining and rehabilitation), blast events, irregular activities including noise bund construction and whether there were periods during the day of no activity (site wide shut downs or specific mobile plant down for maintenance for example).

In addition, the EPA recommends that;

- For future non-attended noise monitoring events, Robert Carr and Associates should give consideration to acquiring an attachment to the ARL 316 that enables audio recording to be made or acquiring a logger (e.g. the Ngara range of loggers) that can save audio recordings to a hard drive. This feature would enable a third party (i.e. the complainant) to record short lengths of audio by pushing a button which would then capture a particular sound environment that they find offensive. These events can be compared and assessed against the noise data recorded by the logger.
- Results of noise monitoring should also be presented in a more concise and descriptive manner. An example of an acceptable format is provided in the EPA document *Requirements for publishing pollution monitoring data* ([www.environment.nsw.gov.au/legislation/20120263reqpubpmdata.htm](http://www.environment.nsw.gov.au/legislation/20120263reqpubpmdata.htm)). An extract from this document is appended to this letter for your information.

The EPA believes that the adoption of the above comments and recommendations by Pine Dale will result in future noise monitoring reports providing a more appropriate assessment of the contribution by Pine Dale Mine to the noise environment at Blackmans Flat and compliance with conditions L4 of environment protection licence 4911.

To satisfy itself that these comments and recommendations have been adopted by Pine Dale, the EPA requires that copies of reports for routine noise compliance monitoring undertaken by the licensee and any further unattended (complaint driven) noise monitoring be provided to the Bathurst Office of the EPA within 14 days of their completion.

Should you have any enquiries regarding this matter please contact Andrew Helms at the Bathurst Regional Office of the EPA by telephoning (02) 6332 7604.

Yours sincerely



**DARRYL CLIFT**  
**Head Regional Operations Unit Bathurst**  
**Environment Protection Authority**

Enclosed: Extract from EPA guidance document *Requirements for Publishing Pollution Monitoring Data*

***Enhance Place Pty Ltd***  
***Operators of Enhance Place & Pine Dale Open Cut Coal Mines***

ACN 077 105 867  
ABN 31 077 105 867

***Postal address:***

*P.O. Box 202,  
Wallerawang. NSW. 2845  
Tel: (02) 6355 7893  
Fax: (02) 6355 7894*

***Mine office:***

*Castlereagh Highway,  
Blackmans Flat, NSW 2790*

Ms Julie Favell  
1466 Castlereagh Highway  
Blackmans Flat  
NSW 2790

11 July 2013

Dear Ms Favell,

**Re: Your letter to Pinedale Yarraboldy CCC meeting – 27 June 2013**

As noted in the minutes of the CCC meeting for the 27<sup>th</sup> of June meeting, the Committee was unable to adequately discuss the issues raised in your letter of that date, due to a lack of time to review the detailed material prior to the meeting. Rather than wait for the next CCC meeting, it was determined that the Company should directly respond to your detailed queries under the oversight of the CCC Chair to ensure you are provided a timely response.

Please find our response to your queries below.

***1. Compliance with blast criteria***

Your letter queries the Company claim that it has complied with blast criteria for the project to date. In particular you note that the graph in the November 2012 environmental report titled "Pinedale Mine Blasting-Airblasting Overpressure YTD 2012 Comparable Data" does show one instance of a blast exceeding the 95% threshold.

As noted in the discussion under section 4.3.1 of the report, under the current Environmental Protection License limits, it is permissible for the 95% criteria to be exceeded so long as, no more than 5% of the blasts in a rolling 12 month period do not exceed this limit. As shown in Table 6 of the November 2012 report on which you commented, the 95% limit was exceeded only 3% of the time. On this basis the Company is compliant with the required limits.

***Registered office:***  
*Level 33, 385 Bourke Street,  
Melbourne. VIC. 3000*

We note that the April 2013 environmental report reviewed at the June 2013 CCC meeting shows that there have been no further exceedances of the 95% threshold, and therefore compliance continues to be achieved.

## *2. Compliance with Dust criteria*

This section queries the discussion in the January 2013 minutes about the graph "TSP&PM10 HVAS 12 month comparative results December 2011 – November 2012".

The minutes mention some discussion around spikes in this graph and that these were caused by windy days. It appears this may have created some confusion.

The spikes referred to, are the 24 hour TSP and PM10 readings. The criteria which the project is required to comply with on a 24 hour basis in relation to PM10 is 50ug/m2. As can be seen from the graph, all PM10 24 hour readings are within this threshold.

The TSP limit is an annual average limit of 90ug/m2. An annual average limit of PM10 of 30ug/m2 is also required. It is these annual averages that this graph seeks to monitor, and these are shown as solid and dotted lines. An inspection of these lines shows they are well within the compliance limits required under the license.

In summary the spikes discussed are a distraction from the main message of the graph. It can also be noted that even under the windy conditions mentioned, compliance of 24 hour parameters was well within required levels. We hope this helps clarify the compliance status with respect to Dust and windy conditions.

## *3. Meeting notices and access to minutes*

In order to address the concern about the costs of copying minutes at the Wallerawang Library, the Company will leave additional copies at the library desk in case residents require them.

## *4. Email contact address on blast notices*

Removal of the email address from blast notices was an oversight associated with some staffing changes. The company apologises for this, and will reinstate email contact details on these notices going forward.

## *5. Favell/Jonkers Noise report June 2012*

Following receipt of the letter from Mr Darryl Clift (EPA, Bathurst) regarding Noise Report 6880-N019-1 (RCA, June 2012), Pine Dale mine staff forwarded it to RCA Australia to be addressed. RCA promptly responded to Mr Andrew Helms (EPA, Bathurst) addressing the issues raised within the letter.

Clarifications as to the points raised in the EPA letter regarding the noise report were addressed, and it was agreed that some alterations would be made to subsequent noise reports produced. It was also agreed that copies of future noise reports would be sent to Mr Helms at the EPA for review and comment.

A copy of the next noise report produced was forwarded to Mr Helms for review and comment. Correspondence received from Mr Helms indicated the revised report format was acceptable to the EPA, and on this basis this format will be utilised in future. No further communications have been received from the EPA regarding this matter.

Exclusion of rain and wind affected noise data:

With regard to the additional complaint regarding the exclusion of wind affected noise data from the noise reports – this is the standard practice for analysing noise data, as stipulated by the NSW Industrial Noise Policy (EPA, 2000) and Pine Dale Mine Environmental Protection Licence.

With respect to the practice of the exclusion of noise data recorded during periods of rainfall, the NSW Industrial Noise Policy (EPA, 2000) states “Noise monitoring should not be conducted when rainfall occurs” due to the effect of rainfall and particularly rain drops, on the microphone which interferes with the noise levels recorded.

We hope this clarifies your queries regarding the monitoring of noise at the Pine Dale Mine site.

## *6. General business questions*

### *6.1 (a) Progress of mine and post Yarraboldy plans*

As noted in the minutes of the June 2013 meeting, the current project is projected to finalise extraction of coal around November 2013. After this production will cease until a future approval can be obtained.

The Company continues to prepare an application to the department of planning for future mining in the area. When this is complete, the usual comprehensive consultation process with the local community required by the planning process will be undertaken, including a full exhibition of plans for the project.

### *(b) Objection to open cut mining in general*

Enhance Place Pty Ltd supports responsible open cut mining, so on this point we will have to differ.

Once plans for future operations are finalised, discussions with any impacted residents will be pursued.

### *6.2 (a) Relationship between Enhance Place and Coalpac*

As you may be aware, Energy Australia is the owner of Enhance Place Pty Ltd, and also the Delta Western Gentrader contract. Via the Gentrader contract, Energy Australia has a relationship with Coalpac as a key supplier to the Delta West generators.

With the Coalpac operation entering a care and maintenance phase due to planning approval delays, some underutilised capacity became available within the staff at that operation. In a similar timeframe, Enhance Place’s mine manager resigned,

leaving the need for a replacement to be identified. This presented an opportunity to allow certain Coalpac staff to be shared between the operations, and an arrangement to facilitate this has been put in place.

EnergyAustralia does not own the Coalpac operation.

### 6.3 *Survey suggestion*

The CCC meets on a 6 monthly basis, and is a conduit for community concerns to be raised with the Company under the supervision of an independent chair. This mechanism is considered to be more comprehensive than a survey approach, and is the primary mechanism of formal interaction between the Company and Community.

Please contact us via the Company Hotline (02) 6355 1761 should further clarification be required.

Yours faithfully,



Mark Frewin  
CCC Secretary