

Tarrawonga Coal Mine Community Consultative Committee Meeting #4

Environmental Monitoring Report, November-January 2007

Noise Monitoring

Since the Tarrawonga Community Consultation Committee in November, Operational and road noise monitoring was conducted in January as per consent requirements. Formal reporting of these results has not yet been received. The results will be presented at the next CCC meeting.

Prior monitoring has indicated TCM to be compliant within consent requirements, with no additional activity at the mine site likely to contribute to additional noise levels. Monitoring of operational noise and road noise will continue on a quarterly basis as required under the consent conditions.

Blasting Pressure

Blasting Results

Since the first shot there have been 14 blasts.

All blasts have been compliant within the limits of 115dB_L and 5mm/s.

The highest overpressure recorded was 110.1 dB_L at Tarrawonga Station on the 20th of December 2006.

The highest ground vibration remains 0.94mm/s at Templemore on the 8th of June 2006.

No formal complaints in relation to blasting were recorded since the previous meeting.

Air Quality

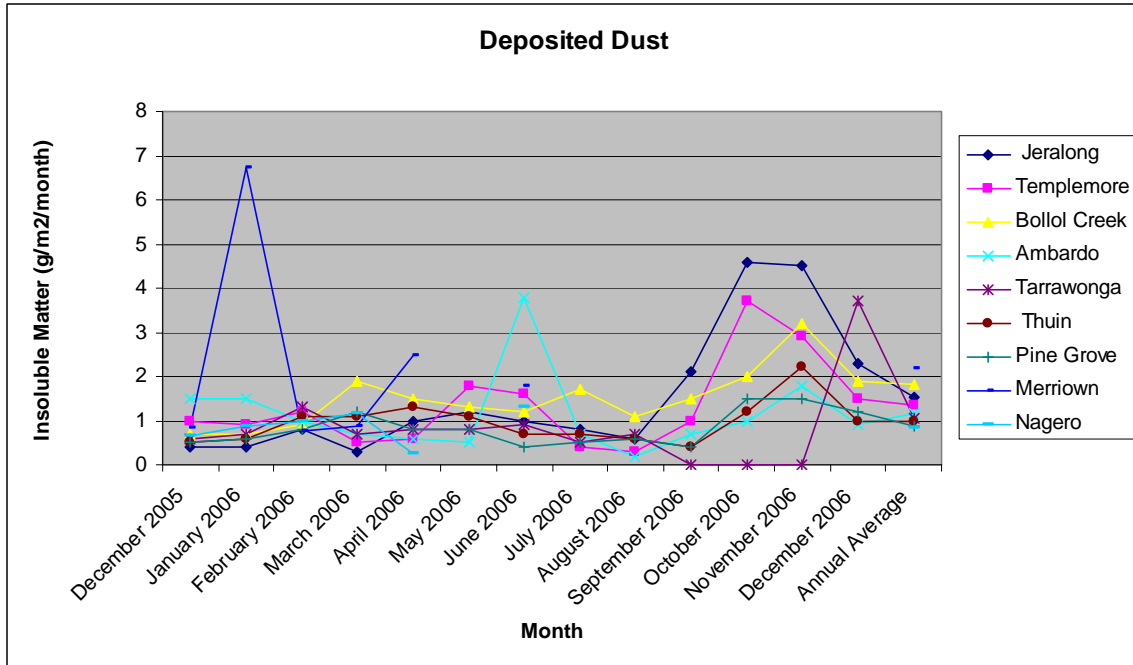
Air Quality (PM₁₀) Results

The annual average for PM10 readings is currently at 11.7 ug/m³, which is well below the annual average limit of 30ug/m³.

The highest 24hr reading was 42ug/m³ which was recorded on the 24th November 2006. This reading was below the 24hr limit of 50ug/m³. It was noted at the time of this recording that a fire had been burning in Mt Kaputar and had created significant smoke haze in the general area.

Air Quality (Dust Deposition) Results

Month	Jeralong	Templemore	Bolloi Creek	Ambardo	Tarrawonga	Thuin	Pine Grove
December 2005	0.4	1.0	0.7	1.5	0.6	0.5	0.5
January 2006	0.4	0.9	0.7	1.5	0.7	0.6	0.6
February 2006	0.8	1.2	0.9	1.0	1.3	1.1	0.8
March 2006	0.3	0.5	1.9	0.7	0.7	1.1	1.2
April 2006	1.0	0.6	1.5	0.6	0.8	1.3	0.8
May 2006	1.2	1.8	1.3	0.5	0.8	1.1	0.8
June 2006	1.0	1.6	1.2	3.8	0.9	0.7	0.4
July 2006	0.8	0.4	1.7	0.7	0.5	0.7	0.5
August 2006	0.6	0.3	1.1	0.2	0.7	0.6	0.6
September 2006	2.1	1.0	1.5	0.7	NS	0.4	0.4
October 2006	4.6	3.7	2.0	1.0	NS	1.2	1.5
November 2006	4.5	2.9	3.2	1.8	NS	2.2	1.5
December 2006	2.3	1.5	1.9	0.9	3.7	1.0	1.2
Annual Average	1.92	1.33	1.80	1.18	0.78	0.98	0.83



The Deposited Dust levels have generally increased since the August result, which is indicative of hot, dry weather over the Spring/Summer period resulting in higher levels of dust deposition. The Jeralong sample in particular has shown a rise in deposited dust levels however this has begun to decrease over the last 2 months. It is noted that this monitor is close to Maules Creek road thereby indicating traffic, road works and the condition of the road may be a major contributing factor. All monitor sites remain well within the average annual criterion of 4mg/m²/month.

Water Monitoring

Ground Water

The Ground Water Monitoring Program involves monitoring at six monthly intervals. Monitoring occurred in June 2006, with the latest sampling undertaken in the first week of January 2007. We are currently awaiting the analysis from that sampling, which will be presented at the next CCC meeting.

Surface Water

There have been no discharges from the site.

Water quality tests of water in storage dams are to be completed quarterly. The first monitoring of this occurred on the 8th of September. Due to lack of rain only four dams had water in them and were tested, the results of which are outlined below. Sampling was undertaken again in the 2nd

week of January 2007, and again was limited by a lack of water in storages. Water was sampled from only three storages and the mining void, with results presented below.

Date	Site ID	pH	EC	TSS	Grease & Oil
8/09/2006	SD5	6.5	930	144	<2
	SD6	7.5	310	104	<2
	SD8	8.9	190	25	<6*
	SD9	9	285	1940	<2

*Sample jar broke in transit – insufficient volume for full analysis.

Date	Site ID	pH	EC	TSS	Grease & Oil
11/01/2007	SD5	8.4	3750	20	<2
	SD8	8.2	420	84	*
	SD9	8.6	440	15	<2
	MV1	7.7	3970	293	<2

*Sample jar broke in transit – insufficient volume for full analysis.