

Minutes of the 12th Meeting of the Tarrawonga Coal Mine Community Consultative Committee

Meeting Held: 18th February 2009 at 4:00pm

Venue: The meeting held at Tarrawonga Coal Mine Training Room.

1. Present and Apologies

Present: Clr Ken Bates (Narrabri Shire Rep.) Chairman
Mr Danny Young (Environmental Manager)
Mr Bart Crosby (Community Rep)
Mr Bob McGregor (Community Rep)
Mr Sandy Bull (Community Rep)
Mr Peter Laird (Community Rep)
Mr. Tony Jones (Community Liaison Officer)

Apologies: Mr Casper Dieben (General Manager – Operations)
Mr Brian Cullen (General Manager – Technical Services)
Clr Colleen Fuller (Gunnedah Shire Council)
Mr Jason Conomos (Project Manager)

Visitor: Mr John Molloy (Toll)

2. Previous Minutes

Minutes of the previous meeting were adopted as a true record on the motion of Bob McGregor and Bart Crosby.

3. Business Arising

- 3.1** Signage to limit the use of exhaust brakes has been installed along the haul routes prior to the intersections with Manilla Road.
- 3.2** The intersection of the Tarrawonga haul route and Manilla Road has been re-sealed. Currently awaiting line marking works which will be undertaken in conjunction with line-marking requirements at the CHPP.
- 3.3** Works have been undertaken with the removal of sections of the dam wall on the “Tarrawonga” property adjacent to the haul road. These works have been done in an effort to allow surface waters to disperse more readily during significant rainfall events. Additional work is still required in order to lower the access road into the Tarrawonga property to enable water to disperse across the road and through the adjacent paddock.

4.0 General Business

4.1 Mine Progress

Since the previous meeting, Tarrawonga Coal mine has achieved the following production outcomes:-

November 2008 – 1,008,143bcm overburden
152,514 tonnes coal

December 2008 – 649,195bcm overburden
103,514 tonnes coal

January 2009 – 963,552bcm overburden
127,063 tonnes coal

Total Overburden: 2,620,890bcm
Total Coal: 383,030.

4.2 Environmental Monitoring Results

Danny Young presented the environmental monitoring results which are attached in the associated environmental monitoring report. All monitoring results indicate compliance with consent requirements.

5.0 New Business

No new business

6.0 Complaints

6.1 There were no complaints received on the hot line during the reporting period.

6.2 Mr Sandy Bull questioned noise monitoring being undertaken at the "Pine Grove" property, indicating that the latest round of monitoring was done later than normal, and as a consequence missed the noisiest part of the day at around 7am. He also raised the location of monitoring and requested it be conducted closer proximity to the residence. Danny Young confirmed he would raise this with the noise consultant to ensure measurement at around 7am, and within closer proximity to the residence.

- 6.3** Mr Peter Laird reported that dust from the mine site was very bad on the 12th February due to strong winds.
- 6.4** Mr Peter Laird advised that he had been contacted by members of the public who were concerned that the intersection of the Rocglen haul road and the Bluevale Road was dangerous and that a collision between fast moving cars and a slow moving truck from Rocglen was a possibility. He believed the trucks were moving out of the acceleration lane too soon. It was also noted that the white lane lines had worn off the road surface. On the basis of this information it was recommended that:-
- the line marking be renewed as soon as possible and that permanent fixed indicators (rubber flaps) be placed on the road to line the acceleration lane.
 - signs of increased size be placed before the crest of the hill on the Whitehaven side to warn drivers that slow moving trucks could be over the crest.
 - signs be erected on the Rocglen haul road directing truck drivers to stay in the acceleration lane until it merges with the traffic lane.
- 6.5** Mr Bob McGregor advised that there had been a large accumulation of cans and bottles along the haul route which were collected during grass slashing. Danny Young confirmed that this matter would be brought to the attention of the project manager for discussion with operators at the site.
- 6.6** Mr Sandy Bull and others on the committee registered a complaint with Cllr Bates regarding the poor condition of the Manilla Road and Hoads Lane. Cllr Bates to take this matter back to Council.
- 6.7** Mr Bart Crosby identified Toll trucks had started running earlier previously advised, with trucks running down Manilla Road from 6:30am. Danny Young indicated that matter would be raised with Toll.
- 6.8** Mr Sandy Bull raised a concern with regard to a deposited dust monitor at his property in which the funnel had been blown off and that the stand was not secure allowing the monitor to tilt. Danny Young advised that he would arrange for a new funnel and for the stand to be fixed so it remained securely in place.

7.0 New Business

- 7.1** Mr John Molloy identified that he had trialled running trucks to site earlier than current practice in an effort to avoid trucks nose to tail first thing in the morning. Danny Young advised that Toll would now look at running several empty trucks back to Tarrawonga by 10:00pm for park up on site and loading the next

morning. The aim of this exercise being to reduce the number of trucks running to site in the morning to reduce potential noise impact.

7.2 Mr John Molloy also advised that he would instruct all drivers that on entry to Bluevale Road from the Rocglen haul route they must enter via the acceleration lane and not cross directly into the traffic lane. He also advised that Toll would shortly be placing signage on each truck that the driver could be contacted on UHF Channel 20. This would provide some further contact between trucks and other road users.

7.3 The Chairman (Clr Ken Bates) of Narrabri Shire Council raised serious concerns of the Boggabri community that Whitehaven intended to close its Boggabri Office. The Boggabri Business Promotion Association has also raised it's concerns in a letter to the company seeking clarification of the company's intent as it believes any such closure would seriously impact on a number of Boggabri businesses. Danny Young advised that the decision to close the Boggabri Office was a corporate decision based around the creation of a central base of operations from Gunnedah. The committee has requested a management representative from Whitehaven attend the next meeting of the Boggabri Business Promotion Association to be held on Tuesday 10th March 2009 at 7pm at the Boggabri RSL.

7.0 Next Meeting

The next meeting will be held at the Tarrawonga Coal Mine Training Room on Thursday 21st May at 4:00pm.

Meeting closed at 4.53pm.

..... / /2009
Ken Bates - Chairman

Tarrawonga Coal Mine Community Consultative Committee Meeting #12

Environmental Monitoring Report, November 2008 – January 2009

Noise Monitoring

Noise monitoring was undertaken on 16th-17th December 2008 as per requirements under the consent. Results from the monitoring are outlined below:

TCM Noise Monitoring Results 16/17 December 2008 (Day)

Location	Time	dB(A), Leq	Wind Speed	Noise source
<i>N1 Templemore</i>	3:09pm	38.6	0.5m/s W	Insects (38), TCM 31
<i>Pine Grove</i>	8:48am	45.9	Calm	Birds(45), TCM(32) ¹ ,
<i>N4 Ambardo</i>	2:23pm	45.2	0.5m/s W	Birds (45), TCM (34) ¹
<i>N3 Tarrawonga</i>	3:22pm	36.2	0.5m/s W	Birds(37), TCM inaudible

¹ TCM Trucks on the private section of the haul route.

TCM Noise Monitoring Results 16/17 December 2008 (Evening)

Location	Time	dB(A), Leq	Wind Speed	Noise Source
<i>N1 Templemore</i>	8:11pm	55.4	<0.5m/s, WNW	Birds (55), TCM (23)
<i>N4 Ambardo</i>	7:29pm	66.4	<0.5m/s, WNW	Galahs (66) TCM(32) ¹
<i>N3 Tarrawonga</i>	7:55pm	65.1	<0.5m/s, WNW	Galahs (65) TCM(22)

¹ TCM Trucks on the private section of the haul route.

TCM Noise Monitoring Results 16/17 December 2008 (Night)

Location	Time	dB(A), Leq	Wind Speed	Noise Source
<i>N1 Templemore</i>	10:39am	42.3	Calm	Insects (41), TCM (32)
<i>N4 Ambardo</i>	12:02am	37.2	Calm	Insects (37), TCM inaudible
<i>N3 Tarrawonga</i>	11:42am	33.6	Calm	Insects(33), TCM inaudible

Review of the above results indicate compliance with noise levels at all receivers throughout the survey.

Blast Monitoring

Blasting Results

Since the first shot there have been 154 blasts.

All blasts during this report period have been compliant within the limits of 115dBL and 5mm/s.

To date, the highest overpressure recorded remains at 117.0 dBL recorded at “Bollol Creek Station” on the 5th July 2007. The highest ground vibration recorded is 2.38 mm/s recorded at “Bollol Creek” on the 10th of November 2008.

Air Quality

PM10 Results

The annual average for PM10 readings is currently at 13.28ug/m³, which is well below the annual average limit of 30ug/m³.

The highest 24hr reading remains at 49ug/m³ which was recorded on the 5th May 2007, which remained below the 24hr limit of 50ug/m³.

Air Quality (Dust Deposition) Results

Month	EB4 Templemore	EB5 Bollol Creek	EB6 Ambardo	EB7 Tarrawonda	EB8 Thuin	EB9 Pine Grove	EB10 Tarrawonda	EB11 Tarrawonda	EB12 Pine Grove
December 2007	1.8	1.6	1.6	1.2	0.7	1.4	1.0	1.0	1.1
January 2008	0.7	1.3	0.4	0.9	2.7	1.2	1.3	4.7	0.7
February 2008	3.3	1.5	0.8	1.1	1.1	0.5	1.1	1.2	6.9
March 2008	0.4	3.5	4.2	1.4	1.7	1.4	3.3	1.9	1.7
April 2008	1.9	1.8	1.2	1.2	2.5	1.2	2.8	2.2	1.6
May 2008	2.1	2.5	0.5	0.8	1.8	0.8	4.5	1.2	1.5
June 2008	4.9	2.6	0.4	0.8	1.4	0.2	2.7	1.0	0.8
July 2008	0.5	1.9	0.3	0.5	1.1	0.4	7.6	0.3	0.6
August 2008	1.4	6.7	0.9	1.2	2.6	1.4	1.3	0.5	1.1
September 2008	NS	NS	0.8	1.0	6.1	2.0	4.1	1.4	1.3
October 2008	1.7	1.3	2.3	3.2	4.3	0.9	1.5	1.2	1.7
November 2008	3.4	1.3	0.7	1.0	NA	0.8	2.3	0.9	1.0
December 2008	1.3	1.1	3.5	0.9	NA	0.7	2.6	0.7	2.0
Average	1.9	2.0	1.4	1.2	2.4	0.9	2.7	1.4	1.7

The deposited dust levels have remained relatively consistent over the last 12 months. All monitors remain will within the 4mg/m2/month.

Water Monitoring

Ground Water

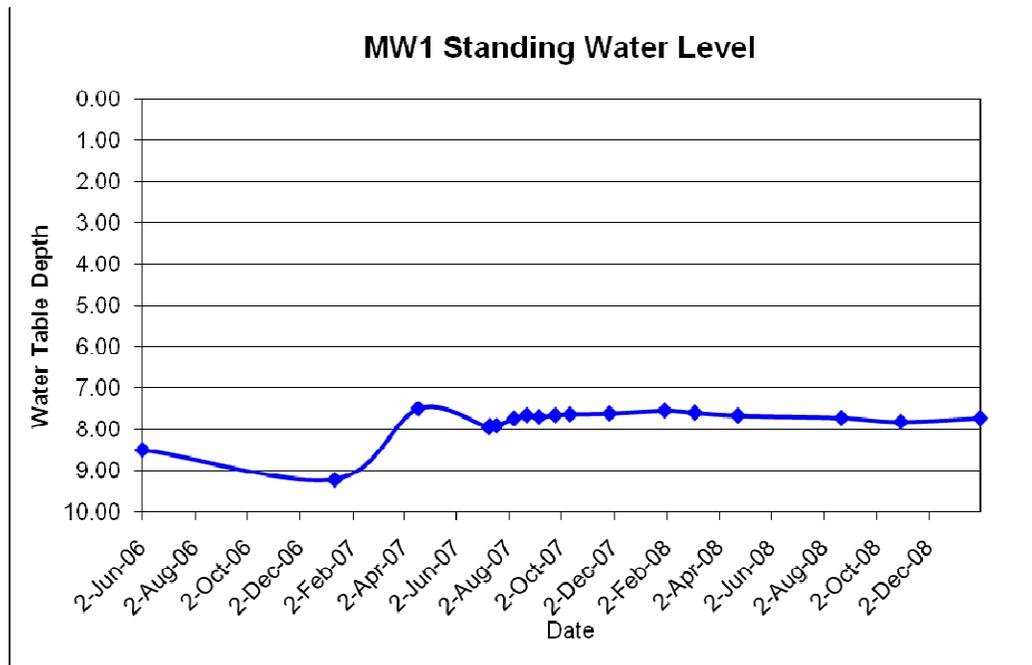
Groundwater monitoring data obtained to date is presented in the following table.

Site	Date	SWL (m)	pH	Elect. Conduct
MW1	June 06	8.54	7.5	6330
	January 07	9.22	7.1	2410
	April 07	7.49		
	July 07	7.91	7.3	2500
	August 07	7.66		
	September 07	7.66		
	October 07	7.64		
	November 07	7.62		
	January 08	7.55		
	March 08	7.60		
	April 08	7.67	7.3	3120
	August 08	7.73		
	September 08			
	October 08	7.82	7.8	3500
	November 08			
	December 08			
January 09	7.73			
MW2	June 06	4.39	7.0	5440
	January 07	4.62	6.8	511
	April 07	3.59		
	July 07	4.29	7.1	496
	August 07	4.32		
	September 07	4.34		
	October 07	4.37		
	November 07	4.68		
	January 08	4.25		
	March 08	4.23		
	April 08	4.50	7.3	440
	August 08	4.51		
	September 08			
	October 08	4.37	6.9	620
	November 08			
	December 08			
January 09	4.51			
MW4	June 06	9.49	7.0	3290
	September 06	9.25		
	January 07	9.37	7.1	3430
	July 07	9.88	6.8	5400
	August 07	9.87		
	September 07	9.73		
	October 07	9.67		
	November 07	9.76		
	January 08	9.80		

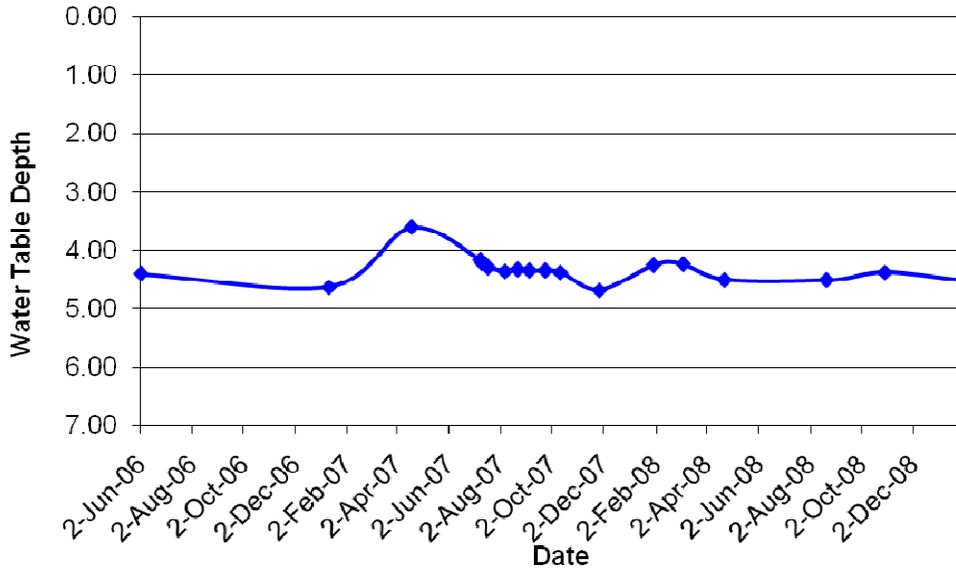
	March 08	9.87		
	April 08	9.88	7.1	5160
	August 08	10.01		
	September 08			
	October 08	9.98	7	5800
	November 08			
	December 08			
	January 09	9.96		
MW5	June 06	3.38	6.9	1530
	September 06	3.64		
	January 07	4.18		
	April 07	3.60		
	July 07	4.49	7.5	1930
	August 07	4.50		
	September 07	4.48		
	October 07	4.53		
	November 07	4.56		
	January 08	3.68		
	March 08	3.63		
	April 08	3.77	7.9	3260
	August 08	3.72		
	September 08			
	October 08	3.59	7.3	3400
	November 08			
	December 08			
	January 09	3.73		
MW6	June 06	8.99	7.3	2030
	September 06	9.54		
	January 07	9.81	6.9	2030
	July 07	10.01	7.5	2060
	August 07	9.95		
	September 07	9.73		
	October 07	9.82		
	November 07	9.83		
	January 08	9.72		
	March 08	9.48		
	April 08	9.28	7.1	2120
	August 08	9.21		
	September 08			
	October 08	9.15	7.1	2100
	November 08			
	December 08			
	January 09	9.10		
MW7	June 06	74.2	7.2	2250
	September 06	80.52		
	January 07	77.0	7.3	1960
	April 07	76.9		
	July 07	77.93	7.2	2250
	August 07	79.28		
	September 07	79.39		
	October 07	79.55		
	November 07	80.17		
	January 08	80.63		
	March 08	81.10		
	April 08	81.68	7.6	2370

	August 08	84.57		
	September 08			
	October 08	86.81	7.4	2300
	November 08			
	December 08			
	January 09	87.80		
MW8	June 06	13.8	6.7	2240
	September 06	13.9		
	January 07	14.1	6.7	2260
	April 07	13.6		
	July 07	14.41	6.8	2530
	August 07	14.40		
	September 07	14.38		
	October 07	14.37		
	November 07	14.43		
	January 08	14.28		
	March 08	14.30		
	April 08	N/S		
	August 08	14.52		
	September 08			
	October 08	14.59	NA	NA
	November 08			
	December 08			
	January 09	14.60		

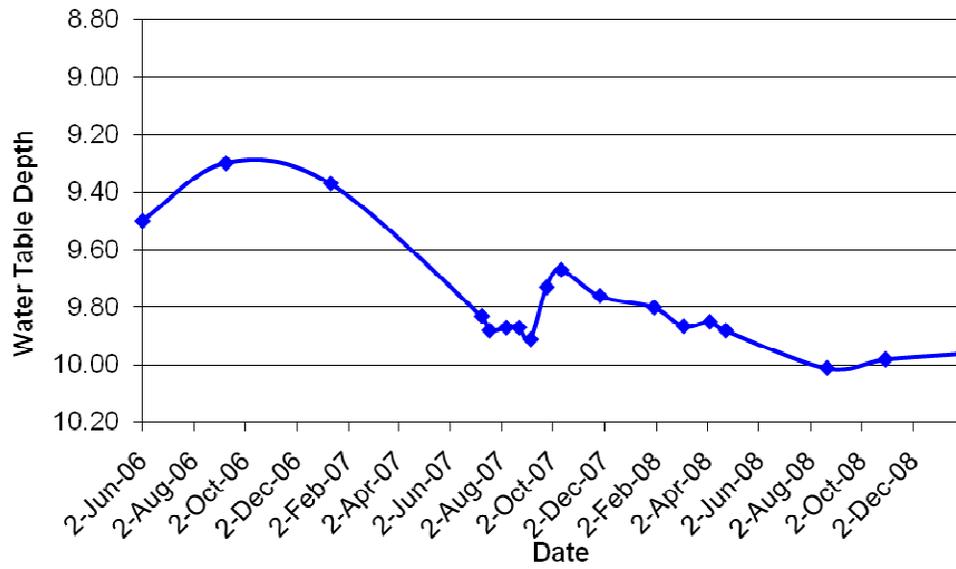
The results indicate only minor variability in the ground water levels at each of the TCM monitoring bores. Monitoring will continue on a quarterly basis to generate additional data over time in order to establish ongoing trends in groundwater levels at our monitoring sites. Tarrawonga has recently received a project proposal from suitably qualified independent consultants to undertake a full review of groundwater monitoring data.

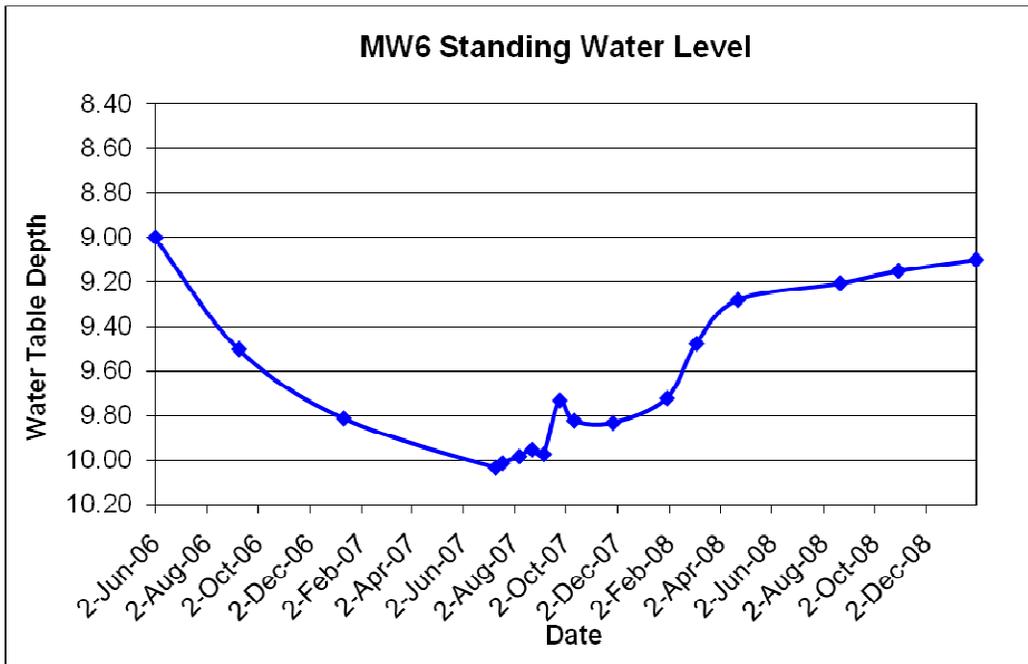
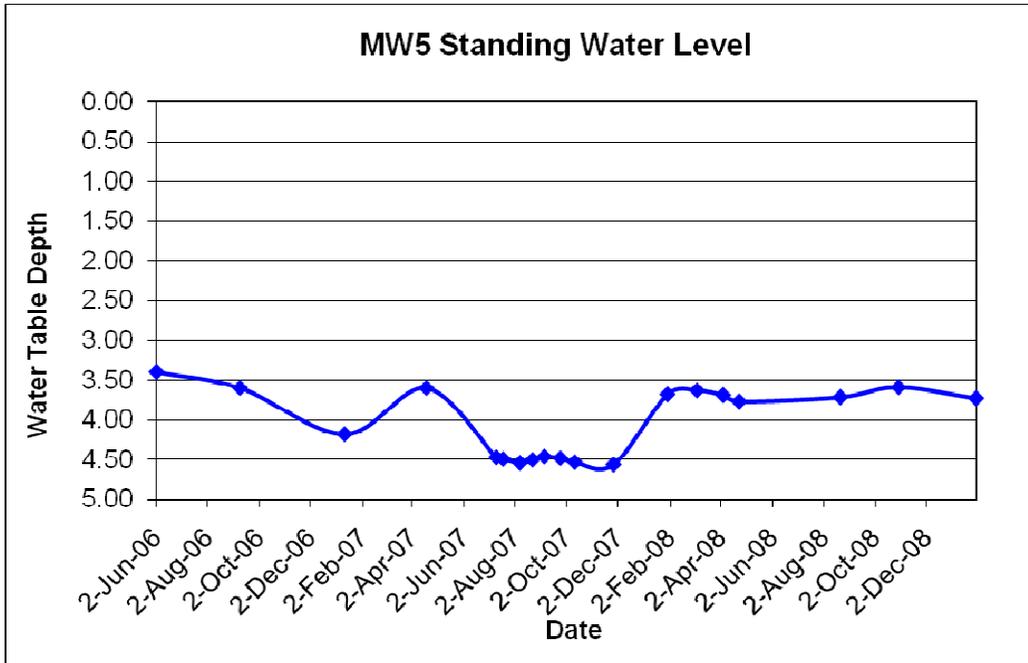


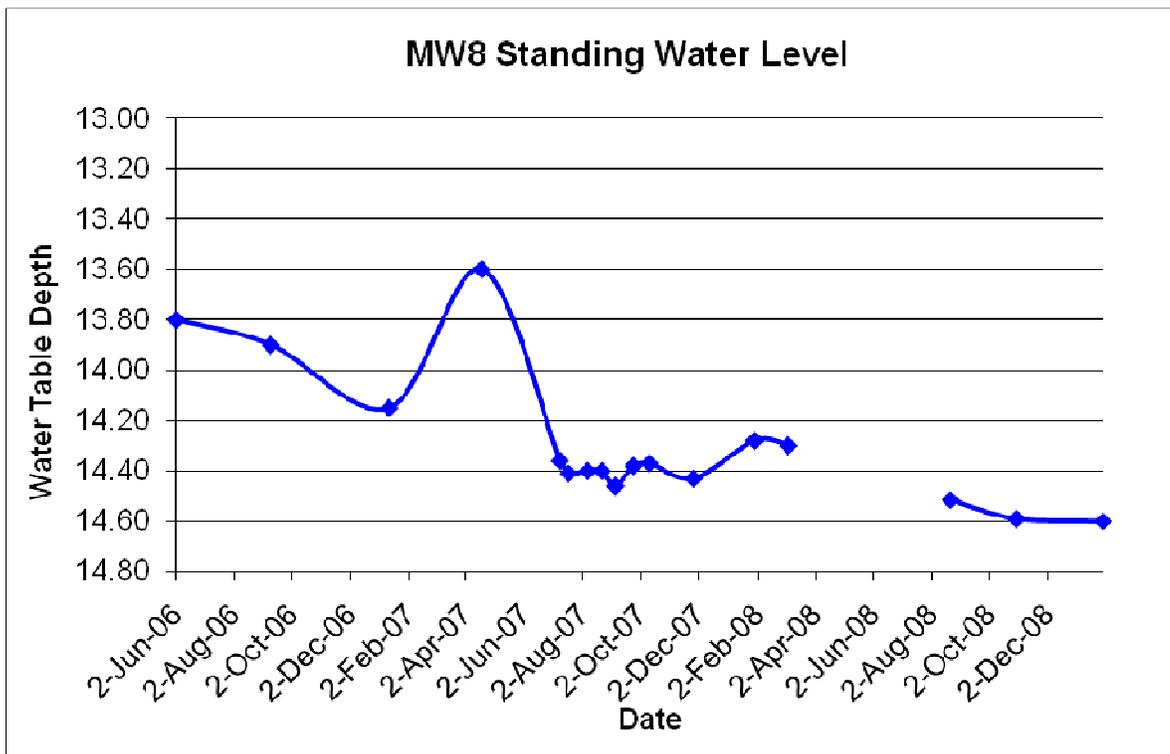
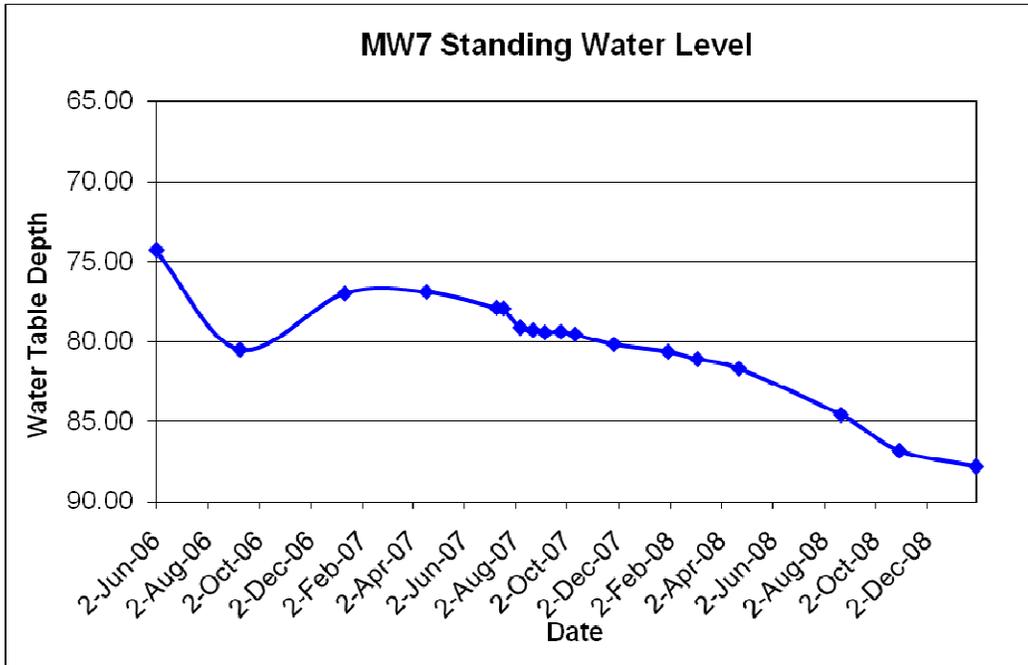
MW2 Standing Water Level



MW4 Standing Water Level







Surface Water

There has been one minor wet weather discharge event since the previous meeting with monitoring results presented in the following table.

DATE	LOCATION	pH	EC	TSS	Grease/Oil
15-Dec 2008	SD9	7.3	245	24	3
15-Dec 2008	SD8	8.2	635	22	<2
15-Dec 2008	BCD	6.9	135	30	<2

The above discharge water quality is within concentration threshold limits..

Complaints

Since the last meeting there have been no complaints lodged on the complaints line.

Rehabilitation

Rehabilitation works have progressed, with tree planting completed on the northern side of the waterway. Trees have been drip irrigated with water obtained from the two dams below the waterway. Tree planting has also been undertaken on the eastern side of the access road into the Tarrawonga site.

Minutes of the 13th Meeting of the Tarrawonga Coal Mine Community Consultative Committee

Meeting Held: 21st May 2009 at 4:00pm

Venue: The meeting held at Tarrawonga Coal Mine Training Room.

1. Present and Apologies

Present: Clr Ken Bates (Narrabri Shire Rep.) Chairman
Mr Danny Young (Environmental Manager)
Mr Bob McGregor (Community Rep)
Mr Sandy Bull (Community Rep)
Mr Peter Laird (Community Rep)
Mr. Tony Jones (Community Liaison Officer)
Mr Jason Conomos (Project Manager)
Ms Jill Scealy (Environmental Officer)

Apologies: Mr Casper Dieben (General Manager – Operations)
Mr Brian Cullen (General Manager – Technical Services)
Clr Colleen Fuller (Gunnedah Shire Council)
Mr Bart Crosby (Community Rep)

2. Previous Minutes

Minutes of the previous meeting were adopted as a true record on the motion of Sandy Bull and Bob McGregor.

3. Business Arising

- 3.1** Line marking on the haul route and Manilla Road intersection has been completed.
- 3.2** The new signs and line marking at the Rocglen haul road has been done with the exception of signage on the Rocglen haul Road itself advising trucks to remain in left lane on entrance to Blue Vale Road.
- 3.3** The Community representatives raised the question of the poor condition of the Manilla Road and Clr. Ken Bates said he would raise it with Narrabri Shire Council.
- 3.4** The question of trucks arriving earlier than 6.30 or later than 10.00pm was raised by Sandy Bull. The question of trucks travelling too fast was raised by Peter Laird who said he had followed a truck and dog which was going at 120kph. Sandy Bull also raised the matter of trucks using exhaust brakes when

approaching the ramp area near his house. Sandy Bull raised on behalf of Mr Bart Crosby the fact that trucks are still swinging to the wrong side of the road when turning out of the haul road onto Manilla Road. Danny Young to raise the above matter with John Molloy.

- 3.5 A new funnel and stand has been provided to the dust monitor at "Pine Grove".
- 3.6 Sandy Bull advised that trucks crossing the location of the site of the ramp which had been filled in were causing noise, particularly the trucks and dogs. The site needs work and it was referred to Wayne Parkes for attention.

4.0 General Business

4.1 Mine Progress

The Project Manager, Jason Conomos reported as follows:-

3,200,000 BCM waste removed.
477,000 tonnes of coal recovered.
Recovery ratio 6.7 on average.
67 full time employees all up plus trucks/Orica etc.

4.2 Environmental Monitoring Results

Danny Young presented the environmental monitoring results which are attached in the associated environmental monitoring report.

5.0 New Business

There was significant discussion re the condition of Council Roads and the question of maintenance. Sandy Bull read a clause from the Environmental Impact Statement for the mine which stated that the mine would make contributions to Council roads used by mine employees. It was identified that the company had entered into road maintenance agreement with both Council's in terms of required road maintenance contributions, as per the requirement carried forward in the development consent, a copy of which is attached.

6.0 Complaints

There were no complaints recorded on the complaints hot line. There were complaints direct to Danny, all relating to haul trucks, which have been discussed in the Environmental Monitoring Report.

7.0 Rehabilitation

It was advised that rehabilitation of the North West corner has been undertaken, comprising soil mounding, cover crop establishment and tubestock planting.

7.0 Next Meeting

The next meeting will be held at the Tarrawonga Coal Mine Training Room on Thursday 6th August at 3:00pm.

Meeting closed at 5.00pm.

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Ken Bates - Chairman

Tarrawonga Coal Mine Community Consultative Committee Meeting #13

Environmental Monitoring Report, February 2009 – April 2009

Noise Monitoring

Noise monitoring was undertaken on the 9th – 10th March 2009 as per requirements under the consent. Results from the monitoring are outlined below:

TCM Noise Monitoring Results 9/10 March 2009 (Day)

Location	Time	dB(A), Leq	Wind Speed	Noise source
N2 Bollol Creek	8:07am	44	1 m/s S	Birds & Insects (43), Wind (35) TCM inaudible
N3 Tarrawonga (9/3)	5:00pm	52	2-3 m/s S	Birds (49), Wind in trees (49), TCM inaudible
N4 Ambardo	7:03am	47	<0.5 m/s S	Birds (47), TCM (38)
Pine Grove	7:00am	46	<0.5 m/s S	Birds (41), Dogs (41), TCM (40) , Traffic ¹ (39)

¹ TCM trucks and other traffic on the Manilla Road section of the haul route. Criterion on this section is 60 dB(A).

TCM Noise Monitoring Results 9 March 2009 (Evening)

Location	Time	dB(A), Leq	Wind Speed	Noise Source
N2 Bollol Creek	9:30 pm	45	1 m/s S	Insects (43), Wind in Trees (42), TCM inaudible
N3 Tarrawonga	9:12 pm	40	1 m/s S	Insects (39), Wind (33), TCM (<30)
N4 Ambardo	9:30 pm	42	1 m/s S	Birds & Insects (43), Wind (35), TCM (<30)

TCM Noise Monitoring Results 9/10 March 2009 (Night)

Location	Time	dB(A), Leq	Wind Speed	Noise Source
N2 Bollol Creek	11:10 pm	40	1 m/s S	Wind in trees (38), Insects (36), TCM inaudible
N3 Tarrawonga	11:05 pm	36	1 m/s S	Insects (36), TCM barely audible
N4 Ambardo (10/3)	1:45 am	35	Calm	Birds & Insects (35), TCM inaudible

Review of the above results indicates compliance with noise levels at all receivers throughout the survey from mine operational noise, however,

identified an exceedance of 3 dB(A) at Ambardo on the morning of 10th March 2009 due to road noise from the coal haul trucks. Similarly, an exceedance of 5 dB(A) was recorded at “Pine Grove” on the same morning. These results continue to indicate cumulative noise impacts from start of shift operations from the coal haulage with actions to gap the trucks proving ineffective to date. Further discussions will be held with Toll in terms of identifying any additional actions that could be implemented to bring noise levels back into compliance. Tarrawonga coal will also consider discussions/negotiations with the affected landowners to determine if a private agreement pertaining to the noise level can be reached.

Blast Monitoring

Blasting Results

Since the first shot there have been 176 blasts.

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

To date, the highest overpressure recorded remains at 117.0 dB_L recorded at “Bollol Creek Station” on the 5th July 2007. The highest ground vibration recorded is 2.86 mm/s recorded at “Tarrawonga” on the 23rd March 2009.

Air Quality

PM10 Results

The annual average for PM10 readings is currently at 13.34ug/m³, which is well below the annual average limit of 30ug/m³.

The highest 24hr reading remains at 49ug/m³ which was recorded on the 5th May 2007, which remained below the 24hr limit of 50ug/m³.

Air Quality (Dust Deposition) Results

Month	EB4 Templemore	EB5 Bollol Creek	EB6 Ambardo	EB7 Tarrawonga	EB8 Thuin	EB9 Pine Grove	EB10 Tarrawonga	EB11 Tarrawonga	EB12 Pine Grove
March 2008	0.4	3.5	4.2	1.4	1.7	1.4	3.3	1.9	1.7
April 2008	1.9	1.8	1.2	1.2	2.5	1.2	2.8	2.2	1.6
May 2008	2.1	2.5	0.5	0.8	1.8	0.8	4.5	1.2	1.5
June 2008	4.9	2.6	0.4	0.8	1.4	0.2	2.7	1.0	0.8
July 2008	0.5	1.9	0.3	0.5	1.1	0.4	7.6	0.3	0.6
August 2008	1.4	6.7	0.9	1.2	2.6	1.4	1.3	0.5	1.1
September 2008	NS	NS	0.8	1.0	6.1	2.0	4.1	1.4	1.3
October 2008	1.7	1.3	2.3	3.2	4.3	0.9	1.5	1.2	1.7

November 2008	3.4	1.3	0.7	1.0	NA	0.8	2.3	0.9	1.0
December 2008	1.3	1.1	3.5	0.9	NA	0.7	2.6	0.7	2.0
January 2009	1.6	0.6	0.9	1.4	NA	0.8	2.8	1.0	5.1
February 2009	1.5	0.8	1.2	1.8	NA	0.5	0.9	0.7	2.4
March 2009	1.1	3.6	1.2	0.8	0.1	1.3	2.3	1.3	1.6
Average	1.8	2.3	1.4	1.2	2.4	1.0	3.0	1.1	1.7

The deposited dust levels have remained relatively consistent over the last 12 months. All monitors remain within the 4mg/m²/month.

Water Monitoring

Ground Water

Groundwater monitoring data obtained to date is presented in the following table. The next round of full Groundwater monitoring is due to commence in mid-late May 2009. The results from this monitoring will be presented at the next CCC meeting.

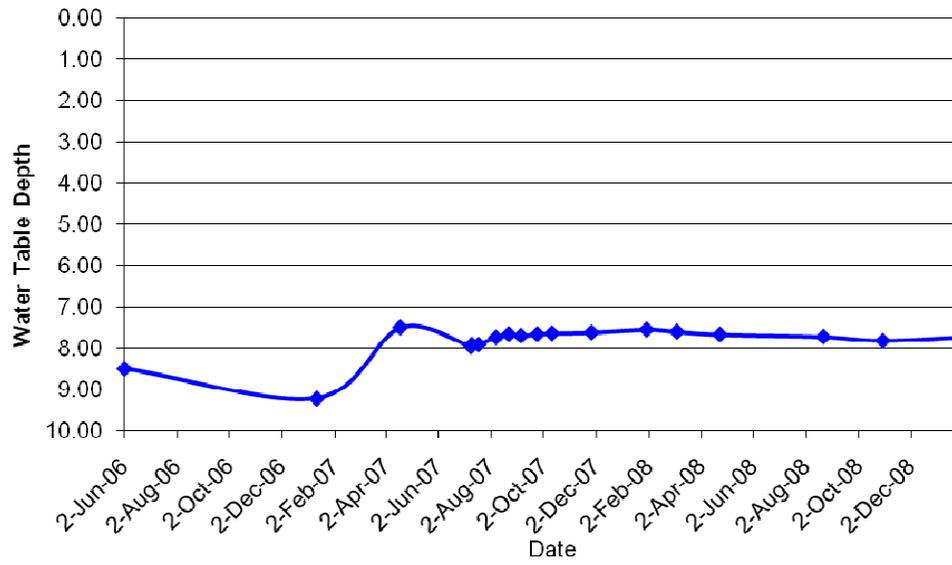
Site	Date	SWL (m)	pH	Elect. Conduct
MW1	June 06	8.54	7.5	6330
	January 07	9.22	7.1	2410
	April 07	7.49		
	July 07	7.91	7.3	2500
	August 07	7.66		
	September 07	7.66		
	October 07	7.64		
	November 07	7.62		
	January 08	7.55		
	March 08	7.60		
	April 08	7.67	7.3	3120
	August 08	7.73		
	September 08			
October 08	7.82	7.8	3500	
November 08				
December 08				
January 09	7.73			
MW2	June 06	4.39	7.0	5440
	January 07	4.62	6.8	511
	April 07	3.59		
	July 07	4.29	7.1	496
	August 07	4.32		
	September 07	4.34		
	October 07	4.37		
	November 07	4.68		
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	March 08	4.23		
	April 08	4.50	7.3	440
	August 08	4.51		
	September 08			
October 08	4.37	6.9	620	
November 08				
December 08				
January 09	4.51			

MW4	June 06	9.49	7.0	3290
	September 06	9.25		
	January 07	9.37	7.1	3430
	July 07	9.88	6.8	5400
	August 07	9.87		
	September 07	9.73		
	October 07	9.67		
	November 07	9.76		
	January 08	9.80		
	March 08	9.87		
	April 08	9.88	7.1	5160
	August 08	10.01		
	September 08			
	October 08	9.98	7	5800
	November 08			
	December 08			
	January 09	9.96		
MW5	June 06	3.38	6.9	1530
	September 06	3.64		
	January 07	4.18		
	April 07	3.60		
	July 07	4.49	7.5	1930
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	August 08	9.21		
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	October 08	9.15	7.1	2100
	November 08			
	December 08			
	January 09	9.10		
MW7	June 06	74.2	7.2	2250
	September 06	80.52		
	January 07	77.0	7.3	1960

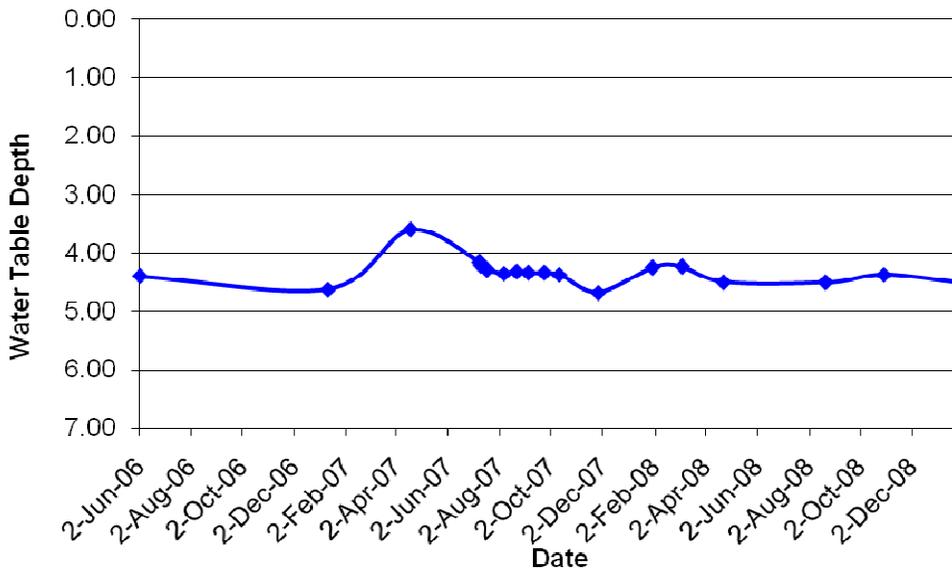
	April 07	76.9		
	July 07	77.93	7.2	2250
	August 07	79.28		
	September 07	79.39		
	October 07	79.55		
	November 07	80.17		
	January 08	80.63		
	March 08	81.10		
	April 08	81.68	7.6	2370
	August 08	84.57		
	September 08			
	October 08	86.81	7.4	2300
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	January 07	14.1	6.7	2260
	April 07	13.6		
	July 07	14.41	6.8	2530
	August 07	14.40		
	September 07	14.38		
	October 07	14.37		
	November 07	14.43		
	January 08	14.28		
	March 08	14.30		
	April 08	N/S		
	August 08	14.52		
	September 08			
	October 08	14.59	NA	NA
	November 08			
	December 08			
	January 09	14.60		

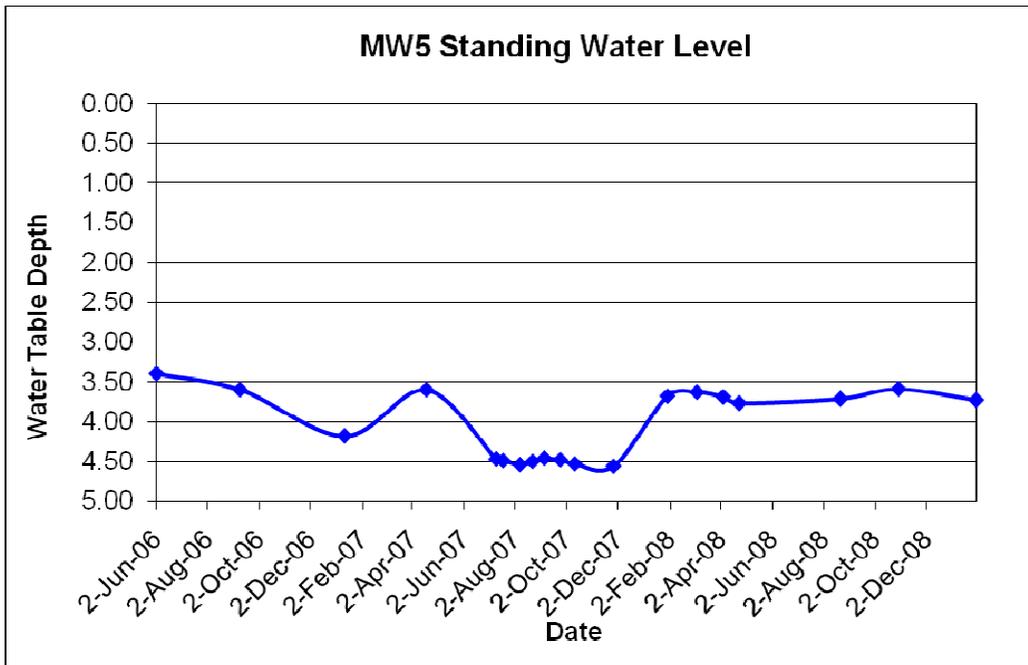
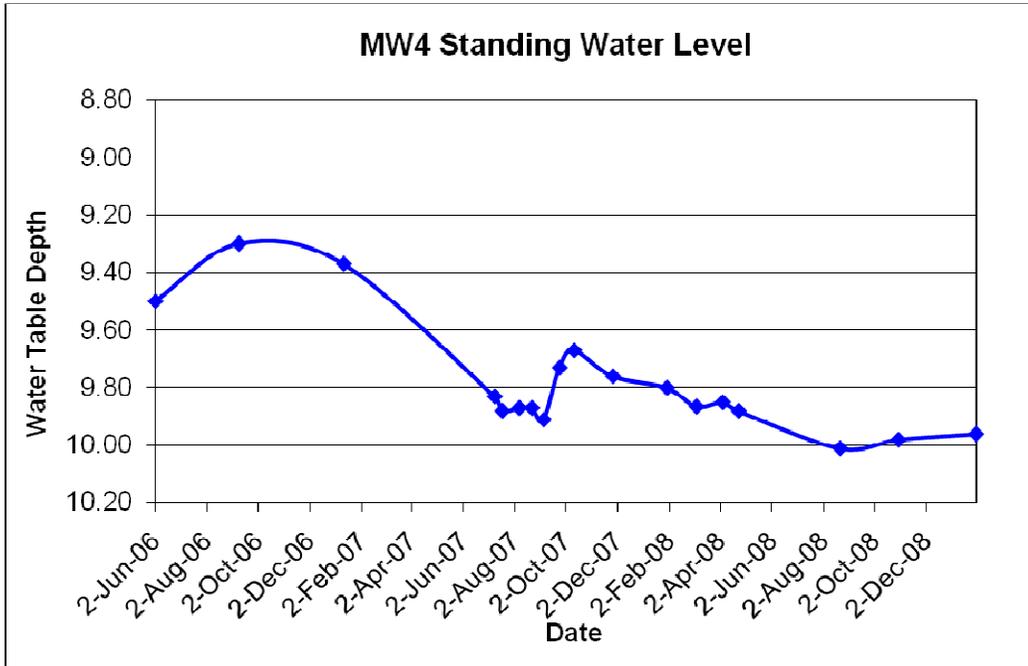
The results indicate only minor variability in the ground water levels at each of the TCM monitoring bores. Monitoring will continue on a quarterly basis to generate additional data over time in order to establish ongoing trends in groundwater levels at our monitoring sites. Following completion of the Independent Environmental Audit (awaiting draft report from consultants), Tarrawonga will focus on engaging independent consultants to undertake a full review of groundwater monitoring data.

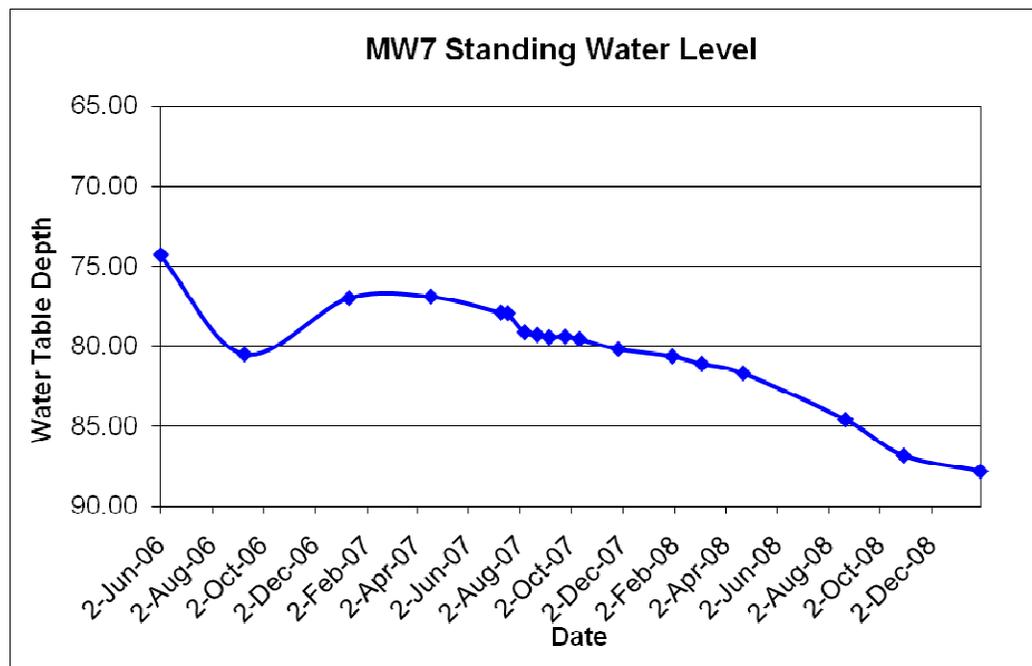
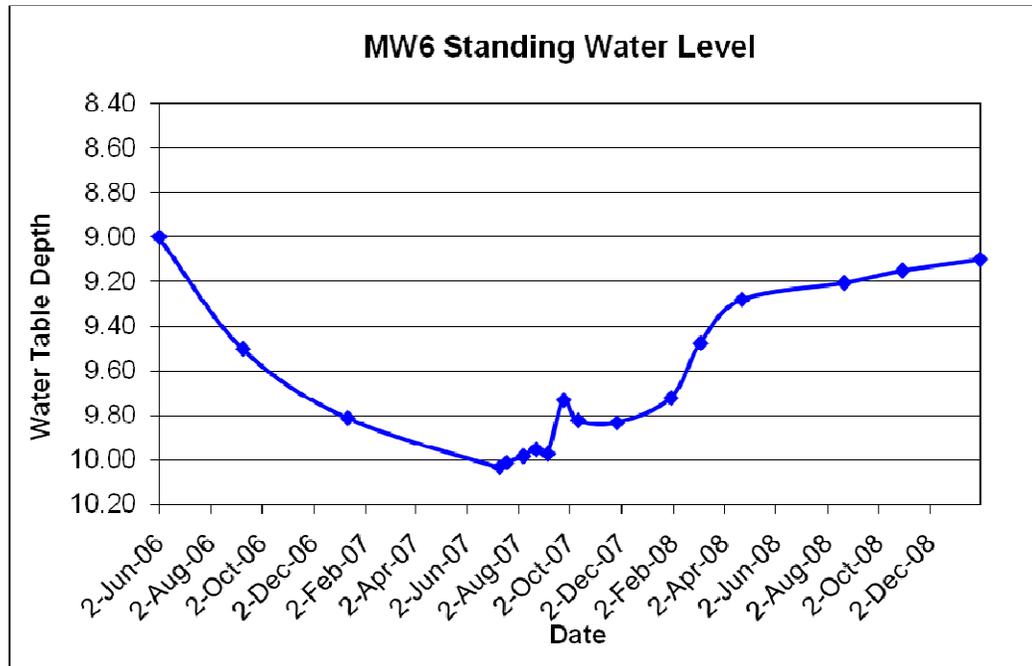
MW1 Standing Water Level

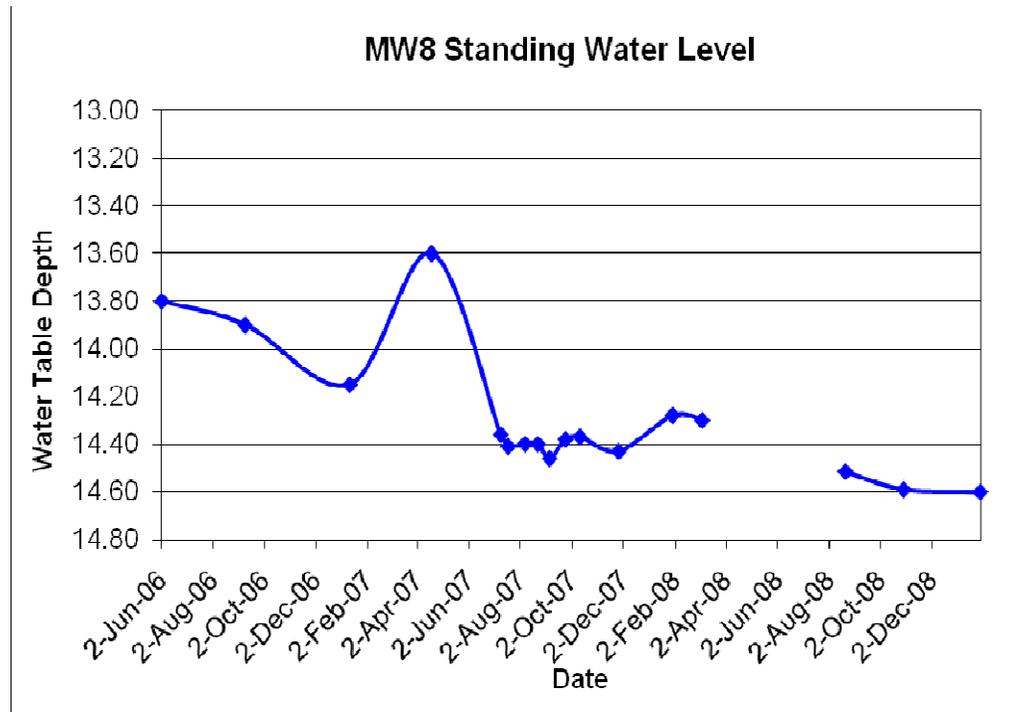


MW2 Standing Water Level









Surface Water

There has been one minor wet weather discharge event since the previous meeting with monitoring results presented in the following table.

DATE	LOCATION	pH	EC	TSS	Grease/Oil
17-Feb 2009	BCU	6.8	275	35	<2
17-Feb 2009	SD9	7.1	90	22	<2
17-Feb 2009	BCD	6.5	130	32	<2

The above discharge water quality is within concentration threshold limits.

Complaints

Since the last meeting there have been no complaints lodged on the complaints line, however five complaints were made by direct contact with the Environmental Manager. These complaints were as follows:

20th February 2009

Toll trucks travelling out to Tarrawonga earlier than previously stated, running past “Kyalla” at 6:30am in the morning when they should not leave the Canyon coal bin until 6:45am.

Also, the complainant stated that their windscreen was damaged by coal falling from a Toll Truck.

Toll was advised to contact the complainant to discuss the issue. This follows advice given at the CCC meeting on Wednesday 18th February 2009 that the trucks running early was done as a trial, and that seven trucks running later at night (up to 10pm) would commence.

23rd February 2009

Toll trucks travelling out to Tarrawonga, running past “Kyalla” at 6:35am in the morning. Also had not received any contact from Toll following complaint from Friday the previous week.

Advised the complainant that John Molloy of Toll would ring him directly to discuss the issue. Mr John Molloy was contacted at 8:20am that morning and asked to contact the complainant as soon as possible to discuss.

16th March 2009

Toll trucks travelling out to Tarrawonga, running past “Kyalla” nose to tail without separation gap as was discussed with the complainant previously.

Matter was raised with John Molloy of Toll to ensure adequate separation distance between trucks, particularly at start of shift to avoid undue noise impacts on adjacent residents.

20th March 2009

Toll truck T35 turned completely into the oncoming traffic lane at the entrance to Manilla Road from the Tarrawonga Haul Route. The complainant was concerned that this seems to be an ongoing problem that it is not being rectified.

Matter was raised with John Molloy of Toll to ensure drivers are monitored and expected to abide by the applicable road rules. In addition, new white lines were being painted on the intersection the following week to clearly define lanes, as well as rubber stick on pads being placed at the intersection as a further guide to truck drivers which cause a noise/vibration as the truck wheels cross the pads. Toll to undertake monitoring of trucks at the haul route intersection.

27th March 2009

Toll truck travelling out to Tarrawonga at 10:10pm well after consent timeframe for loading.

Matter raised with John Molloy of Toll to identify reason for truck running to Tarrawonga at that time. Advised that the truck had experienced a breakdown between Canyon and Tarrawonga, and rather than turn the rig around to travel back to town empty it was run out to Tarrawonga and parked up until the next morning.

The complainant was advised of the above details and that John Molloy planned to catch up with them on the following Friday to discuss ongoing hauling operations.

Rehabilitation

Rehabilitation of the north-west corner and southern corner of the northern waste emplacement has commenced. Activities have included:

- Soil mounding
- Seeding and fertilising for cover crop establishment
- Tube stock planting

Minutes of the 14th Meeting of the Tarrawonga Coal Mine Community Consultative Committee

Meeting Held: 6th August 2009 at 3:00pm

Venue: The meeting held at Tarrawonga Coal Mine Training Room.

1. Present and Apologies

Present: Clr Ken Bates (Narrabri Shire Rep.) Chairman
Clr Colleen Fuller (Gunnedah Shire Rep)
Mr Danny Young (Environmental Manager)
Mr. Tony Jones (Community Liaison Officer)
Mr Jason Conomos (Project Manager)
Ms Jill Scealy (Environmental Officer)
Mr Sandy Bull (Community Rep)
Mr Bart Crosby (Community Rep)
Mr John Molloy (Guest – Toll Resources)

Apologies: Mr Casper Dieben (General Manager – Operations)
Mr Brian Cullen (General Manager – Technical Services)
Mr Bob McGregor (Community Rep)
Mr Peter Laird (Community Rep)

2. Previous Minutes

Minutes of the previous meeting were adopted as a true record on the motion of Sandy Bull and Colleen Fuller.

3. Business Arising

- 3.1** Condition of local roads raised. Grading has been done by Narrabri Shire at the Boggabri end however it was advised at the meeting that the Barney's Creek section of Manilla Road is dangerous and requires additional attention. This is a matter for Council.
- 3.2** Ongoing matter of coal haulage issues was discussed with John Molloy providing an update as to the status of Toll's operation in terms of hauling coal. Main points identified were:-
- All Toll trucks have had their exhaust brakes disconnected excluding those trucks recently purchased which have brakes that are generally quiet. Contract trucks still have exhaust brakes however these trucks are being progressively phased out.

- Toll takes all complaints seriously and strives to meet required commitments. John Molloy reiterated to the meeting that anyone with concerns can contact him direct.
- It was advised that Toll has a schedule in place whereby there trucks do not leave their Gunnedah depot until 6:07am in the morning.
- Toll has recently invested in 8 new B-Doubles which gives them a fleet of trucks constructed between 2007-2009.
- Each Toll truck carries a satellite system for movement tracking.
- Maintains regular toolbox talks with drivers to emphasise safety and appropriate performance.
- Toll trucks are speed limited to 94km/hr which is the most efficient operating speed for the truck in terms of fuel consumption and noise.

3.3 The chair reiterated the point that anyone with complaints pertaining to truck operations or other mine related complaints should raise the matter at the time to ensure an effective response.

3.4 The matter of truck noise as they cross the former ramps on the haul route was discussed. Tarrawonga has committed to getting Pioneer road services to have a look at the sunken concrete to determine best option. This may include consideration to use of hot mix as was used on the intersection.

3.5 Separation distance of trucks was discussed and John Molloy to reiterate with drivers to maintain at least a 90 second gap between trucks.

4.0 General Business

4.1 Mine Progress

The Project Manager, Jason Conomos reported as follows:-

3,500,000 BCM waste removed.
400,000 tonnes of coal recovered.

This result is slightly down on forecast with previous month proving problematic with several operators on sick leave.

4.2 Environmental Monitoring Results

Danny Young presented the environmental monitoring results which are attached in the associated environmental monitoring report.

5.0 New Business

- 5.1** Clr Bates advised the committee that he would not be available to attend CCC meetings at the usual time due to work commitments and requested meetings be held in the morning. Committee resolved to accommodate this requirement with intent of holding meetings on the 2nd Wednesday of the month at 10am.
- 5.2** Section of Blue Vale Road just south of the Canyon Coal Mine entrance was discussed due to its continued poor condition. The meeting was advised by Tony Jones that Council had been asked to undertake maintenance works on that section of road and charge it back to Whitehaven, however it was apparent that this had not yet occurred. Tony Jones to follow up with Council (Wayne Kerr) to ensure that section of road receives appropriate re-construction work.

6.0 Complaints

There were no complaints recorded on the complaints hot line. There were complaints direct to the Environmental Manager which were discussed in the Environmental Monitoring Report.

7.0 AEMR

The CCC were advised of the submission of the 2008-2009 AEMR to the relevant agencies and that a copy was submitted to the CCC through the Chair. It was also advised that the AEMR review meeting had been held with DPI with indications that the report was well received.

8.0 Next Meeting

The next meeting will be held at the Tarrawonga Coal Mine Training Room on Wednesday 11th November at 10:00am.

Meeting closed at 4.15 pm.

..... / /2009
Ken Bates - Chairman

Tarrawonga Coal Mine Community Consultative Committee Meeting #14

Environmental Monitoring Report, May 2009 – July 2009

Noise Monitoring

Noise monitoring was undertaken on the 15th and 16th June 2009 as per requirements under the consent. Results from the monitoring are outlined below:

TCM Noise Monitoring Results – 15 June 2009 (evening) (as Leq (15 min))				
Location	Time	dB(A),L eq	Wind speed/ direction	Identified Noise Sources
N2 Bollol Creek	9:10 pm	36	<1 m/s S	Total mine noise (35) ¹ (TCM est. 33), Insects (22)
N2 Tarrawonga	9:30 pm	30	<1 m/s S	Insects (30), Total mine noise (incl. TCM) (<25) ¹
N4 Ambardo	8:50 pm	42	<1 m/s S	TCM (40 = trucks 40, operations 24)*, Birds (36), Traffic ² (34)

* See discussion section

TCM Noise Monitoring Results – 15 June 2009 (night) (as Leq (15 min))				
Location	Time	dB(A),L eq	Wind speed/ direction	Identified Noise Sources
N2 Bollol Creek	10:45 pm	33	<0.5 m/s S	Total mine noise (33) ¹ (TCM est. 31), Insects (22)
N3 Tarrawonga	11:07 pm	31	<0.5 m/s S	Insects (28), Total mine noise (27) ¹ (TCM est. <25)
N4 Ambardo	11:18 pm	25	Calm	Birds (23), domestic noise (20), TCM inaudible

TCM Noise Monitoring Results – 16 June 2009 (day) (as Leq (15 min))				
Location	Time	dB(A),L eq	Wind speed/ direction	Identified Noise Sources
N2 Bollol Creek	9:04 am	41	1 m/s S	Birds (41), Total mine noise (28) ¹ (TCM est. 26)
N3 Tarrawonga	9:25 am	43	1 m/s S	Birds (42), Domestic noise (35), TCM Inaudible
N4 Ambardo	7:25 am	49	Calm	Birds (48), TCM (40 = trucks 40)*
Pine Grove	7:00 am	48	Calm	Birds (47), TCM (41 = trucks 41)*, Traffic ² (30)

¹ Total mine noise includes non-TCM and TCM mine.

² TCM trucks and other traffic on the Manilla Road section of the haul route. Criterion on this section is 60 dB(A).

* Noise from mining operations inaudible in between trucks passing by.

TCM Noise Monitoring Results – 16 June 2009 (day) (as Leq (15 min))				
Location	Time	dB(A), Leq	Wind Speed/direction	Identified Noise Sources
Kyalla	7:50am	48	Calm	Birds(44), Traffic(44), TCM (40 – haul trucks)

The results show that noise emissions from mining operations at TCM did not exceed the operational noise criterion of 35 dB(A),Leq(15min) at any residence. Noise from trucks using the private haul road, however, exceeded the noise criterion at Ambardo during the evening measurement on 15th June 2009 and at “Ambardo”, “Pine Grove” and “Kyalla” during the measurement on 16th June 2009.

In addition to the operational noise, the noise from TCM must not exceed 45 dB(A) L1 (1 min) between the hours of 10 pm and 7 am. During the night time measurement circuit the L1 (1 min) noise from TCM did not exceed 45 dB(A) at any monitoring location.

Tarrawonga Coal has initiated discussions/negotiations with the affected landowners, as well as the DECC and DoP, to determine if private agreements pertaining to the noise level can be reached.

Blast Monitoring

Blasting Results

Since the first shot there have been 189 blasts.

All blasts during this report period have been compliant within the limits of 115dBL and 5mm/s.

To date, the highest overpressure recorded remains at 117.0 dBL recorded at “Bollol Creek Station” on the 5th July 2007. The highest ground vibration recorded is 2.86 mm/s recorded at “Tarrawonga” on the 23rd March 2009.

Air Quality

PM10 Results

The annual average for PM10 readings is currently at 14.15ug/m³, which is well below the annual average limit of 30ug/m³.

The highest 24hr reading remains at 49ug/m³ which was recorded on the 5th May 2007, which remained below the 24hr limit of 50ug/m³.

Air Quality (Dust Deposition) Results

Month	EB4 Templemore	EB5 Bolloi Creek	EB6 Ambardo	EB7 Tarrawonga	EB8 Thuin	EB9 Pine Grove	EB10 Tarrawonga	EB11 Tarrawonga	EB12 Pine Grove
May 2008	2.1	2.5	0.5	0.8	1.8	0.8	4.5	1.2	1.5
June 2008	4.9	2.6	0.4	0.8	1.4	0.2	2.7	1.0	0.8
July 2008	0.5	1.9	0.3	0.5	1.1	0.4	7.6	0.3	0.6
August 2008	1.4	6.7	0.9	1.2	2.6	1.4	1.3	0.5	1.1
September 2008	NS	NS	0.8	1.0	6.1	2.0	4.1	1.4	1.3
October 2008	1.7	1.3	2.3	3.2	4.3	0.9	1.5	1.2	1.7
November 2008	3.4	1.3	0.7	1.0	NA	0.8	2.3	0.9	1.0
December 2008	1.3	1.1	3.5	0.9	NA	0.7	2.6	0.7	2.0
January 2009	1.6	0.6	0.9	1.4	NA	0.8	2.8	1.0	5.1
February 2009	1.5	0.8	1.2	1.8	NA	0.5	0.9	0.7	2.4
March 2009	1.1	3.6	1.2	0.8	0.1	1.3	2.3	1.3	1.6
April 2009	0.8	2.8	1.1	0.9	NS	1.3	1.1	0.9	1.0
May 2009	1.3	3.6	1.5	0.7	NS	1.0	1.2	0.6	1.2
Average	1.8	2.4	1.2	1.2	2.5	0.9	2.7	0.9	1.6

The deposited dust levels have remained relatively consistent over the last 12 months. All monitors remain within the 4mg/m²/month.

Water Monitoring

Ground Water

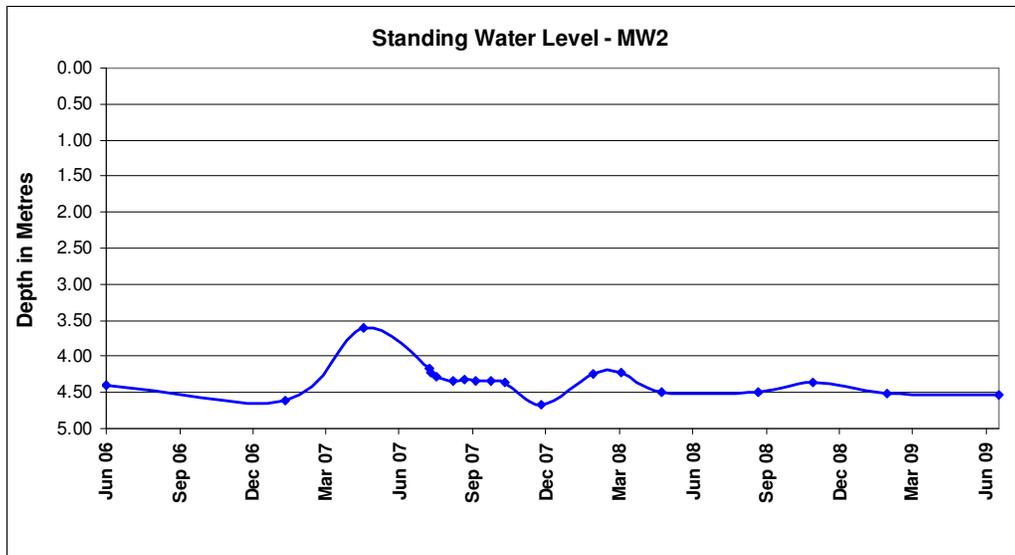
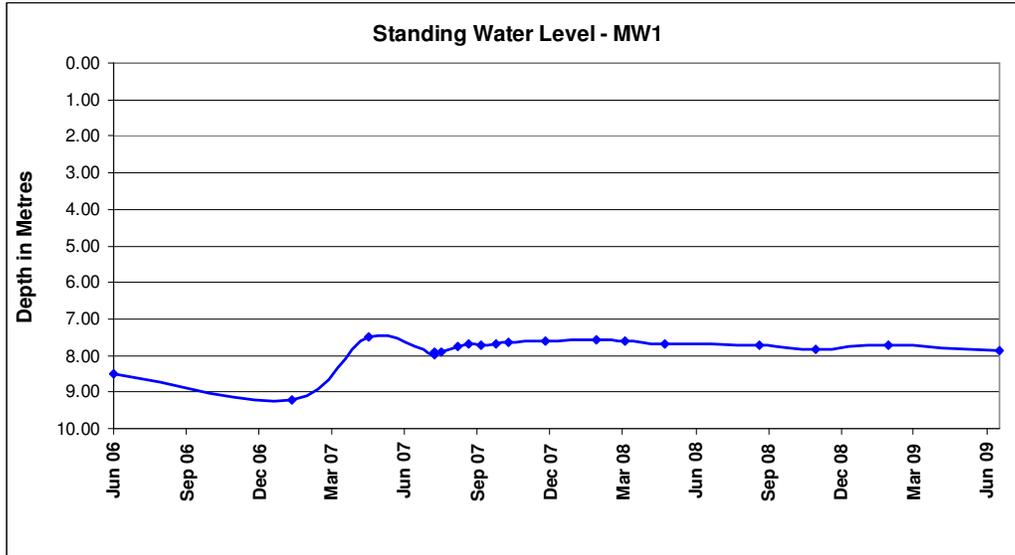
Groundwater monitoring data obtained to date is presented in the following table, including the June 2009 data.

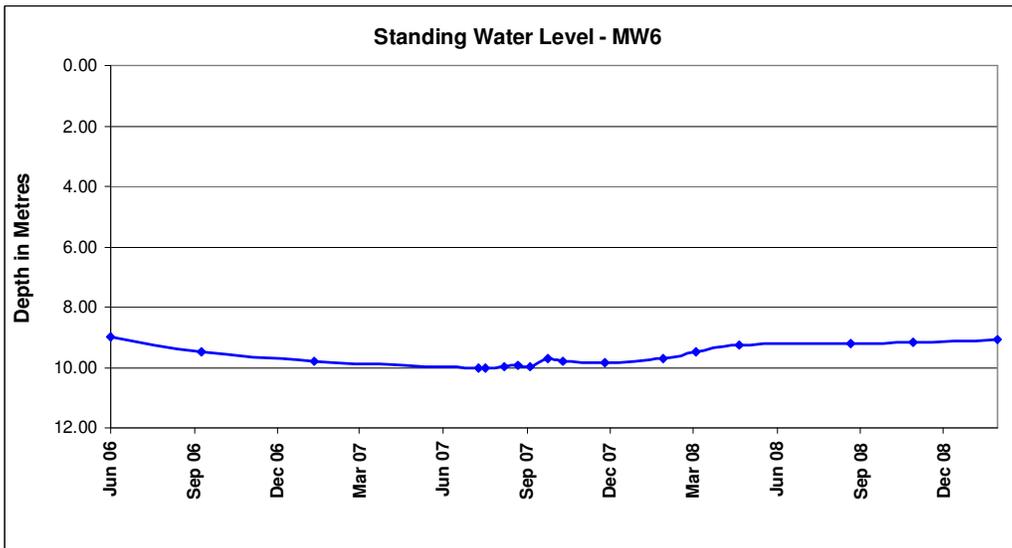
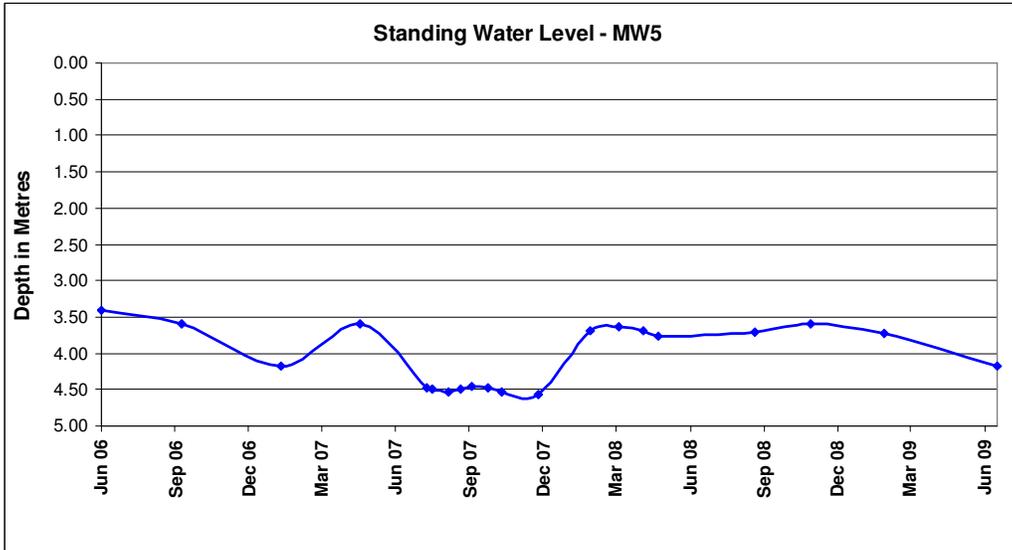
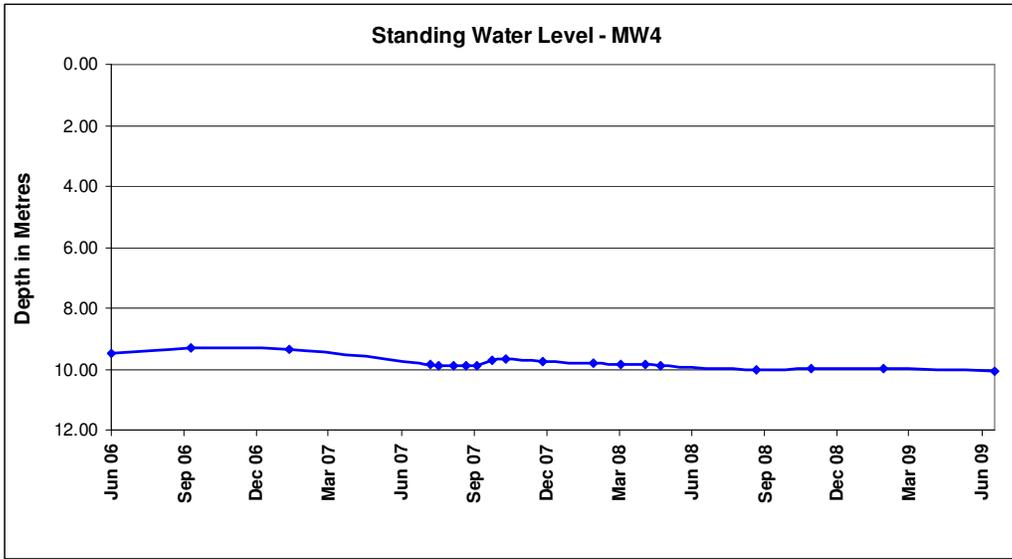
Site	Date	SWL (m)	pH	Elect. Conduct
MW1	June 06	8.54	7.5	6330
	January 07	9.22	7.1	2410
	April 07	7.49		
	July 07	7.91	7.3	2500
	August 07	7.66		
	September 07	7.66		
	October 07	7.64		
	November 07	7.62		
	January 08	7.55		
	March 08	7.60		
	April 08	7.67	7.3	3120
	August 08	7.73		
	September 08			
	October 08	7.82	7.8	3500
	November 08			
	December 08			
	January 09	7.73		
	June 09	7.87	7.2	5470

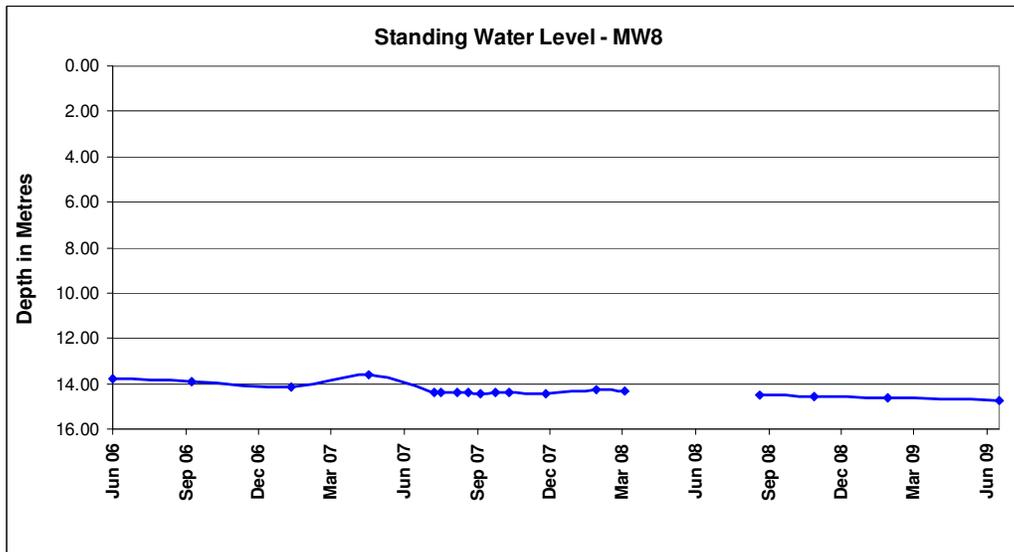
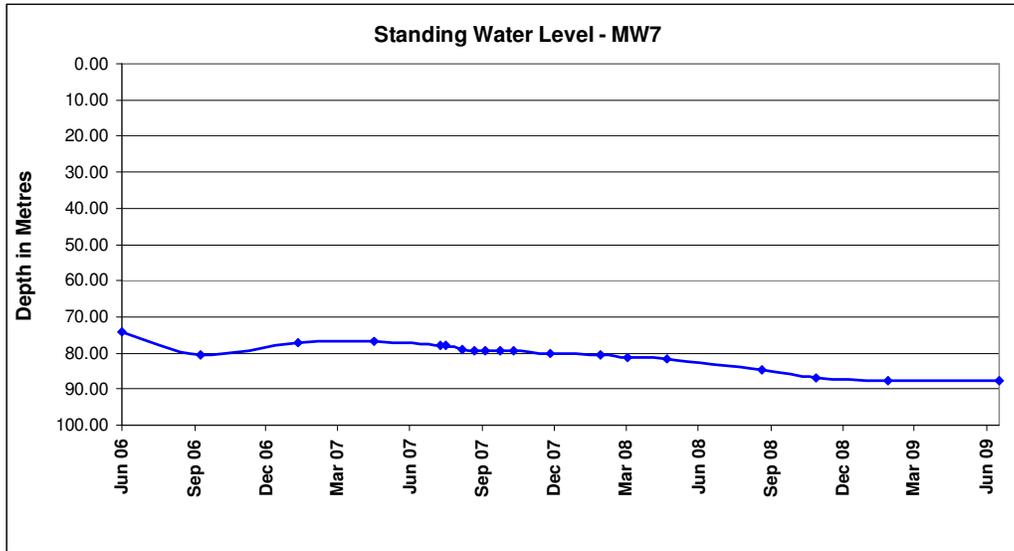
MW2	June 06	4.39	7.0	5440
	January 07	4.62	6.8	511
	April 07	3.59		
	July 07	4.29	7.1	496
	August 07	4.32		
	September 07	4.34		
	October 07	4.37		
	November 07	4.68		
	January 08	4.25		
	March 08	4.23		
	April 08	4.50	7.3	440
	August 08	4.51		
	September 08			
	October 08	4.37	6.9	620
	November 08			
	December 08			
	January 09	4.51		
	June 09	4.53	7.7	660
MW4	June 06	9.49	7.0	3290
	September 06	9.25		
	January 07	9.37	7.1	3430
	July 07	9.88	6.8	5400
	August 07	9.87		
	September 07	9.73		
	October 07	9.67		
	November 07	9.76		
	January 08	9.80		
	March 08	9.87		
	April 08	9.88	7.1	5160
	August 08	10.01		
	September 08			
	October 08	9.98	7	5800
	November 08			
	December 08			
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MW5	June 06	3.38	6.9	1530
	September 06	3.64		
	January 07	4.18		
	April 07	3.60		
	July 07	4.49	7.5	1930
	August 07	4.50		
	September 07	4.48		
	October 07	4.53		
	November 07	4.56		
	January 08	3.68		
	March 08	3.63		
	April 08	3.77	7.9	3260
	August 08	3.72		
	September 08			
	October 08	3.59	7.3	3400
	November 08			
	December 08			
	January 09	3.73		
	June 09	4.18	7.7	2390

MW6	June 06	8.99	7.3	2030	
	September 06	9.54			
	January 07	9.81	6.9	2030	
	July 07	10.01	7.5	2060	
	August 07	9.95			
	September 07	9.73			
	October 07	9.82			
	November 07	9.83			
	January 08	9.72			
	March 08	9.48			
	April 08	9.28	7.1	2120	
	August 08	9.21			
	September 08				
	October 08	9.15	7.1	2100	
	November 08				
	December 08				
	January 09	9.10			
	June 09	No sample			
	MW7	June 06	74.2	7.2	2250
		September 06	80.52		
January 07		77.0	7.3	1960	
April 07		76.9			
July 07		77.93	7.2	2250	
August 07		79.28			
September 07		79.39			
October 07		79.55			
November 07		80.17			
January 08		80.63			
March 08		81.10			
April 08		81.68	7.6	2370	
August 08		84.57			
September 08					
October 08		86.81	7.4	2300	
November 08					
December 08					
January 09		87.80			
June 09		87.50	7.4	2440	
MW8		June 06	13.8	6.7	2240
	September 06	13.9			
	January 07	14.1	6.7	2260	
	April 07	13.6			
	July 07	14.41	6.8	2530	
	August 07	14.40			
	September 07	14.38			
	October 07	14.37			
	November 07	14.43			
	January 08	14.28			
	March 08	14.30			
	April 08	N/S			
	August 08	14.52			
	September 08				
	October 08	14.59	NA	NA	
	November 08				
	December 08				
	January 09	14.60			
	June 09	Unable to sample			

The results indicate only minor variability in the ground water levels at each of the TCM monitoring bores. Monitoring will continue on a quarterly basis to generate additional data over time in order to establish ongoing trends in groundwater levels at our monitoring sites. An independent hydrogeologist is required to undertake an assessment of groundwater and surface water monitoring completed to date. Tarrawonga Coal has referred the selected consultants details to the Department of Planning for approval. Once approved by the Department, action will be initiated on this assessment.







Surface Water

No wet weather discharge events have occurred since the previous CCC meeting.

Complaints

Since the last meeting there have been no complaints lodged on the complaints line, however three complaints were made by direct contact with the Environmental Manager. These complaints were as follows:

12th June 2009

Complaint in relation to noise monitoring undertaken and concerns that consultants used do not monitor in appropriate location, are likely to produce monitor results that benefit the mine as they are engaged by the mine, and that he has not received copies of unattended monitor results.

The complainant was advised that engaged consultants are required to monitor in accordance with set guidelines and rules and that any deviation from this risks their credibility and licence to continue to work in the industry. Also advised that monitor results do not impact on ongoing requirement to monitor so there would be no advantage to consultants in misrepresenting the truth. Suggested he contact DECC if he had ongoing concerns about the monitoring process. Also advised the complainant that copies of the unattended monitoring reports would be sent to him, but reiterated it would be of little value as it does not disseminate the noise source.

25th June 2009

Contract coal haul trucks travelling out to Tarrawonga were using exhaust brakes at Manilla Road intersection.

Tarrawonga advised the complainant that the issue would be discussed with John Molloy (Toll) so it could be raised with contract truck drivers. The complainant was also advised to note the truck number in future if possible to assist with identification of drivers involved.

31st July 2009

Toll coal haul trucks travelling out to site earlier than proposed 6:30am down Manilla Road. Matter discussed with John Molloy of Toll to verify timing of truck movements. It was identified that Toll B-Doubles do not start shift until 6:05am from the Toll depot in Gunnedah and on this basis it was not possible that it was a Toll coal haulage truck travelling out to site.

On review of operations at the time, the truck may have been collecting gravel from Tarrawonga for use on the Wean Road upgrade, or, a truck not associated with Tarrawonga.

Rehabilitation

The most recent tube stock planting campaign finished in mid-May 2009, with approximately 2700 trees planted on the north waste emplacement.

Initial rehabilitation activities for the lower batter of the southern waste emplacement were conducted in June-July 2009. This included soil contouring, installation of a rock-lined waterway, placement of woody debris and seeding/fertilising for cover crop establishment. Tube stock planting on the southern emplacement will take place either during the Spring, or Autumn of 2010 depending on conditions.

The soil stockpiles and storage dam 16 (adjacent to site entrance) were also seeded and fertilised in July 2009 for cover crop establishment.

AEMR Review

The Tarrawonga Annual Environmental Management Report was submitted to agencies during June, following which an AEMR inspection was undertaken with DPI during July. The DPI were generally satisfied with the format and content of the AEMR, the status of the mining and rehabilitation undertaken to date, with rehabilitation works in advance of commitments required under the Mining Operations Plan. The DPI did highlight some areas around the workshop requiring attention, being with regard to waste segregation and storage and these issues will be addressed on receipt of formal advice from the DPI. The AEMR documentation has been supplied to the Chair of the CCC for perusal by CCC members.

Minutes of the 15th Meeting of the Tarrawonga Coal Mine Community Consultative Committee

Meeting Held: 11th November 2009 at 10:00am

Venue: The meeting held at Tarrawonga Coal Mine Training Room.

1. Present and Apologies

Present: Clr Ken Bates (Narrabri Shire Rep) Chairman –10:55am
Mr Danny Young (Environmental Manager) – 10:40am
Mr Jason Conomos (Project Manager)
Miss Jill Scealy (Environmental Officer)
Mr Sandy Bull (Community Rep)
Mr Peter Laird (Community Rep)
Mr Bob McGregor (Community Rep) – Stand-in Chair

Apologies: Mr Casper Dieben (General Manager – Operations)
Mr Brian Cullen (General Manager – Technical Services)
Mr Bart Crosby (Community Rep)
Clr Colleen Fuller (Gunnedah Shire Rep)
Mr. Tony Jones (Community Liaison Officer)

2. Previous Minutes

Minutes of the previous meeting were adopted as a true record on the motion of Sandy Bull and Jason Conomos.

3. Business Arising

3.1 It was agreed that Manilla Road is currently in good condition. A question was raised about whether possible plans to seal the road were related to the potential transport of coal from Idemitsu to Tarrawonga. Jason Conomos indicated that the idea of carting coal had been considered, however this was unrelated to the sealing of Manilla Road.

Ken Bates indicated that the Gunnedah Shire Council, Narrabri Shire Council and Tamworth Regional Council were currently investigating the potential for a submission to the Federal Government for funding to upgrade the road.

3.2 Toll trucks are still not maintaining adequate separation distances (at least 90 seconds), despite John Molloy re-iterating this requirement via toolbox talks.

3.3 Daracon will be assessing the sunken former ramps on the haul route in mid November to determine an appropriate method of repair in order to reduce noise impacts.

- 3.4** The condition of Blue Vale Rd (south of the Canyon intersection) was discussed. Test pits have been used to assist Gunnedah Shire Council in developing a plan for reconstruction of this section of the haul route. The plan will be submitted to Narrabri Shire Council and it is expected that Gunnedah Shire Council will undertake the reconstruction works.

4.0 General Business

4.1 Mine Progress

The Project Manager, Jason Conomos, reported as follows:-

3,500,000 BCM waste removed
483,000 tonnes of coal recovered

Approximately four million tonnes of coal have been mined since production commenced in October 2006, which is on target with the mine plan.

4.2 Environmental Monitoring Results

Jill Scealy presented the environmental monitoring results which are attached in the associated environmental monitoring report.

5.0 New Business

- 5.1** All new business was regarding new and ongoing concerns associated with coal haulage. The main points were:

- Fatigue management – Sandy Bull raised concern about 15 hour shifts and the lack of breaks for the drivers during their shift.

Danny Young indicated that the 15 hour shifts are in compliance with the National Transport Commission guidelines and drivers are required to attend training and acquire certification before doing these shifts.

General discussion determined that drivers do stop for their breaks as required. The trucks are unable to park anywhere along the road and therefore have designated parking areas (eg. Tarrawonga, Canyon and near the Speedway on Blue Vale Rd).

- It is difficult to see the truck numbers as the trucks are not clean.

- Sandy Bull raised concern about the trucks being overloaded due to the coal spillage on the road and the potential for a serious incident if a large piece of coal fell through someone's windscreen. Jason Conomos indicated that the trucks are not overloaded and it was agreed that a Toll representative would need to explain why coal is spilling onto the road.
- Sandy Bull questioned Toll's maintenance practices (following the trailer rollover on Manilla Rd) and maintenance schedules.
- It was reported that trucks continue to pass each other on the haul road.

5.2 The number of issues associated with coal haulage highlighted the requirement for Toll representatives to attend the next meeting to address these concerns.

6.0 Complaints

There were no complaints recorded on the complaints hot line. Complaints received via DECC, the Tarrawonga site office or the Environmental Manager were discussed in the Environmental Monitoring Report.

7.0 Next Meeting

The next meeting will be held at the Tarrawonga Coal Mine Training Room on Wednesday 10th February 2009 at 10:00am.

Meeting closed at 11:05 am.

..... / /2009
Ken Bates - Chairman

Tarrawonga Coal Mine Community Consultative Committee Meeting #15

Environmental Monitoring Report, August 2009 – October 2009

Noise Monitoring

Noise monitoring was undertaken on the 9th and 10th September 2009 as per requirements under the consent. Results from the monitoring are outlined below:

TCM Noise Monitoring Results – 9/10 September 2009 (day)				
Location	Time	dB(A),Leq (15 min)	Wind speed/ direction	Identified Noise Sources
N2 Bollol Creek	4:50 pm	45	2 m/s W	Birds & Insects (45), TCM (30)
N3 Tarrawonga (10 th)	8:04 am	39	Calm	Birds (35), TCM (37)
N4 Ambardo (10 th)	7:20 am	43	Calm	Birds (42), TCM (37)
Pine Grove (10 th)	7:00 am	48	Calm	Birds (47), TCM (36) , traffic ¹ (35)

¹ TCM trucks and other traffic on the Manilla Road section of the haul route. Criterion on this section is 60 dB(A).

TCM Noise Monitoring Results – 9 September 2009 (evening)				
Location	Time	dB(A),Leq (15 min)	Wind speed/ direction	Identified Noise Sources
N2 Bollol Creek	8:21 pm	37	1 m/s W	TCM (35) , frogs & insects (32)
N2 Tarrawonga	9:30 pm	25	1 m/s W	Insects (25), TCM inaudible
N4 Ambardo	9:05 pm	37	1 m/s W	TCM (34) , traffic ¹ (32), birds & insects (29)

¹ TCM trucks and other traffic on the Manilla Road section of the haul route. Criterion on this section is 60 dB(A).

TCM Noise Monitoring Results – 9 September 2009 (night)				
Location	Time	dB(A),Leq (15 min)	Wind speed/ direction	Identified Noise Sources
N2 Bollol Creek	10:51 pm	34	<0.5 m/s W	TCM (33) , insects (25)
N3 Tarrawonga	11:35 pm	25	<0.5 m/s W	Insects (25), TCM inaudible
N4 Ambardo	11:17 pm	23	<0.5 m/s W	Insects (23), TCM inaudible

The results show that noise emissions associated with Tarrawonga operations (mining and haulage) exceeded the operational noise criterion of 35 dB(A)_{Leq(15min)} at “Tarrawonga”, “Ambardo” and “Pine Grove” on the morning of the 10th September 2009. The exceedance at “Tarrawonga” was due to emissions from mining operations (dozer tracks and engine noise) while the exceedance at “Pine

Grove” was attributed to trucks travelling on the private section of the haul road. Both mine noise and haul trucks contributed to the exceedance at “Ambardo”.

In addition to the operational noise, the noise from TCM must not exceed 45 dB(A)_{L1(1 min)} between the hours of 10 pm and 7 am. During the night time measurement circuit the L1 (1 min) noise from TCM did not exceed 45 dB(A) at any monitoring location.

Tarrawonga Coal is in the process of finalising private agreements with landholders affected by noise exceedances, in consultation with DoP and DECCW. A private agreement is now in place for “Pine Grove” and the other agreements are expected to be finalised during the next month.

Blast Monitoring

Blasting Results

Since the first shot there have been 201 blasts.

During the reporting period 1 blast exceeded the 115dB limit recording 115.3dB on the 19th October 2009 at the “Templemore” monitor. In accordance with consent conditions, an allowance of 5% of blasts between 115-120dB is allowed over a 12 month reporting period. As this is the first blast over 115dB during the 12 month period, it meets compliance requirements.

To date, the highest overpressure recorded remains at 117.0 dB recorded at “Bollol Creek Station” on the 5th July 2007. The highest ground vibration recorded is 2.86 mm/s recorded at “Tarrawonga” on the 23rd March 2009.

Air Quality

PM10 Results

The annual average for PM₁₀ readings is currently at 17.57µg/m³, which is well below the annual average limit of 30µg/m³.

The highest 24hr reading to date is 54µg/m³ which was recorded on the 27th September 2009, thereby exceeding the 24hr limit of 50µg/m³.

It is believed that dust deposited on the unit during the dust storm on the 23rd September 2009 would have been collected on start-up during the monitoring event where the exceedance occurred. This is supported by elevated results at all other PM₁₀ monitors operated by the Whitehaven group. The following monitoring event, on the 3rd October 2009, showed compliance with the 24hr concentration threshold.

Air Quality (Dust Deposition) Results

Month	EB4 Templemore	EB5 Bollo Creek	EB6 Ambardo	EB7 Tarrawonga	EB8 Thuin	EB9 Pine Grove	EB10 Tarrawonga	EB11 Tarrawonga	EB12 Pine Grove
October 2008	1.7	1.3	2.3	3.2	4.3	0.9	1.5	1.2	1.7
November 2008	3.4	1.3	0.7	1.0	NA	0.8	2.3	0.9	1.0
December 2008	1.3	1.1	3.5	0.9	NA	0.7	2.6	0.7	2.0
January 2009	1.6	0.6	0.9	1.4	NA	0.8	2.8	1.0	5.1
February 2009	1.5	0.8	1.2	1.8	NA	0.5	0.9	0.7	2.4
March 2009	1.1	3.6	1.2	0.8	0.1	1.3	2.3	1.3	1.6
April 2009	0.8	2.8	1.1	0.9	NS	1.3	1.1	0.9	1.0
May 2009	1.3	3.6	1.5	0.7	NS	1.0	1.2	0.6	1.2
June 2009	1.0	3.7	1.1	0.9	NS	1.1	0.9	1.1	1.5
July 2009	NS	3.7	3.4	0.5	NS	0.7	0.5	0.7	0.6
August 2009	4.8	13.1	2.9	2.1	2.2	3.0	1.9	3.1	4.1
September 2009	10.9	11.6	8.2	12.6	20.3	10.3	17.8	22.0	14.1
Average	2.7	3.9	2.3	2.2	6.7	1.9	3.0	2.9	3.0

The deposited dust levels have remained relatively consistent over the last 12 months, with the exception of elevated results at all monitoring locations during September. These results are attributable to the general dusty conditions throughout the month, associated with the severe dust storm on the 23rd September 2009.

All monitors remain within the 4g/m²/month, with the exception of EB8 – Thuin. A lack of samples over the last 12 months (due to earthworks in the vicinity of the dust gauge) and the elevated result in September 2009 have contributed to this higher than usual annual average.

DECCW and DoP were both notified about the PM₁₀ exceedance and elevated deposited dust levels in September 2009.

Water Monitoring

Ground Water

Groundwater monitoring data obtained to date is presented in the following table, including the standing water levels recorded in August/September 2009.

Site	Date	SWL (m)	pH	Elect. Conduct
MW1	June 06	8.54	7.5	6330
	January 07	9.22	7.1	2410
	April 07	7.49		
	July 07	7.91	7.3	2500
	August 07	7.66		
	September 07	7.66		

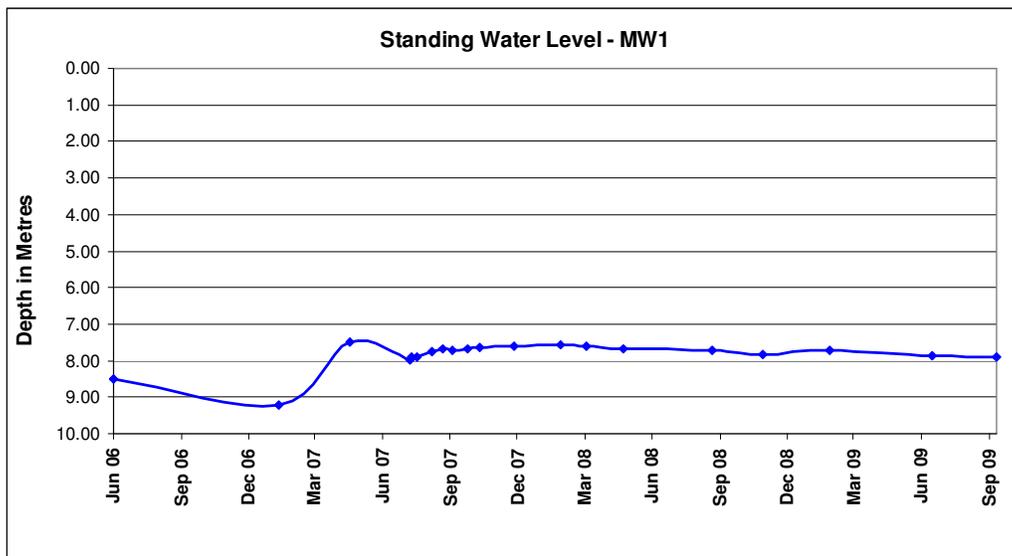
	October 07	7.64		
	November 07	7.62		
	January 08	7.55		
	March 08	7.60		
	April 08	7.67	7.3	3120
	August 08	7.73		
	September 08			
	October 08	7.82	7.8	3500
	November 08			
	December 08			
	January 09	7.73		
	June 09	7.87	7.2	5470
	September 09	7.9		
MW2	June 06	4.39	7.0	5440
	January 07	4.62	6.8	511
	April 07	3.59		
	July 07	4.29	7.1	496
	August 07	4.32		
	September 07	4.34		
	October 07	4.37		
	November 07	4.68		
	January 08	4.25		
	March 08	4.23		
	April 08	4.50	7.3	440
	August 08	4.51		
	September 08			
	October 08	4.37	6.9	620
	November 08			
	December 08			
	January 09	4.51		
	June 09	4.53	7.7	660
	September 09	4.8		
MW4	June 06	9.49	7.0	3290
	September 06	9.25		
	January 07	9.37	7.1	3430
	July 07	9.88	6.8	5400
	August 07	9.87		
	September 07	9.73		
	October 07	9.67		
	November 07	9.76		
	January 08	9.80		
	March 08	9.87		
	April 08	9.88	7.1	5160
	August 08	10.01		
	September 08			
	October 08	9.98	7	5800
	November 08			
	December 08			
	January 09	9.96		
	June 09	10.05	6.8	5400
	August 09	10.10		
MW5	June 06	3.38	6.9	1530
	September 06	3.64		
	January 07	4.18		
	April 07	3.60		
	July 07	4.49	7.5	1930

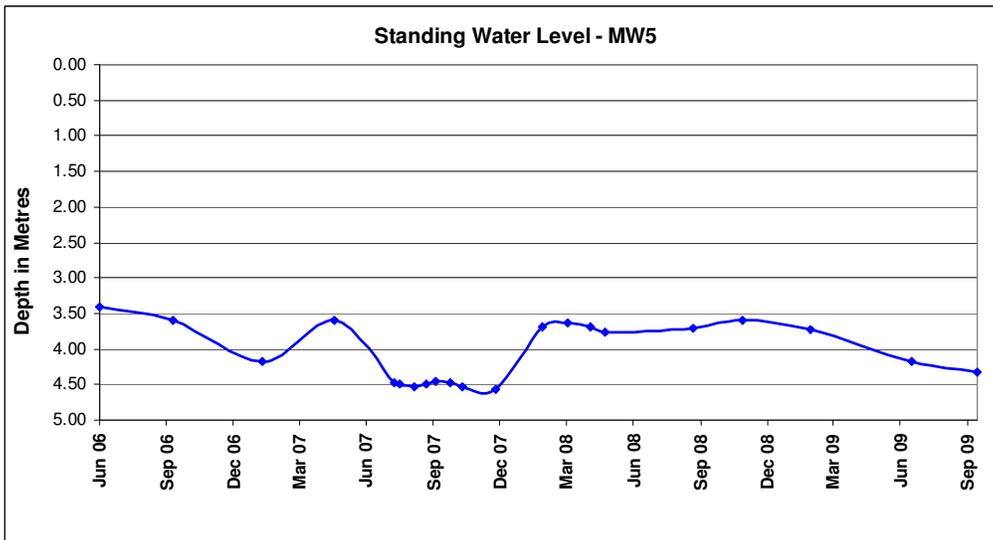
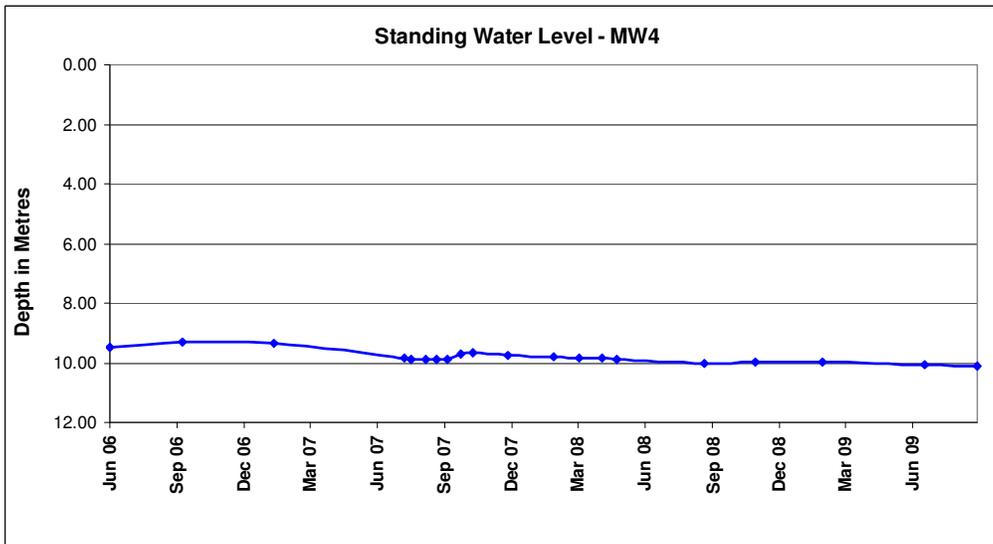
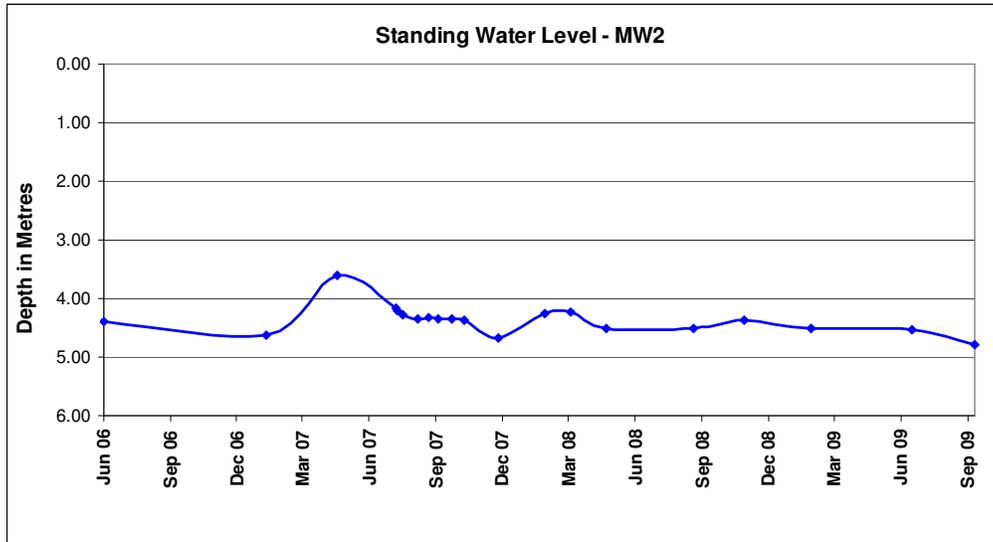
	August 07	4.50		
	September 07	4.48		
	October 07	4.53		
	November 07	4.56		
	January 08	3.68		
	March 08	3.63		
	April 08	3.77	7.9	3260
	August 08	3.72		
	September 08			
	October 08	3.59	7.3	3400
	November 08			
	December 08			
	January 09	3.73		
	June 09	4.18	7.7	2390
	September 09	4.32		
MW6	June 06	8.99	7.3	2030
	September 06	9.54		
	January 07	9.81	6.9	2030
	July 07	10.01	7.5	2060
	August 07	9.95		
	September 07	9.73		
	October 07	9.82		
	November 07	9.83		
	January 08	9.72		
	March 08	9.48		
	April 08	9.28	7.1	2120
	August 08	9.21		
	September 08			
	October 08	9.15	7.1	2100
	November 08			
	December 08			
	January 09	9.10		
	June 09	No sample		
	September 09	9.43		
MW7	June 06	74.2	7.2	2250
	September 06	80.52		
	January 07	77.0	7.3	1960
	April 07	76.9		
	July 07	77.93	7.2	2250
	August 07	79.28		
	September 07	79.39		
	October 07	79.55		
	November 07	80.17		
	January 08	80.63		
	March 08	81.10		
	April 08	81.68	7.6	2370
	August 08	84.57		
	September 08			
	October 08	86.81	7.4	2300
	November 08			
	December 08			
	January 09	87.80		
	June 09	87.50	7.4	2440
	August 09	91.04		
MW8	June 06	13.8	6.7	2240
	September 06	13.9		

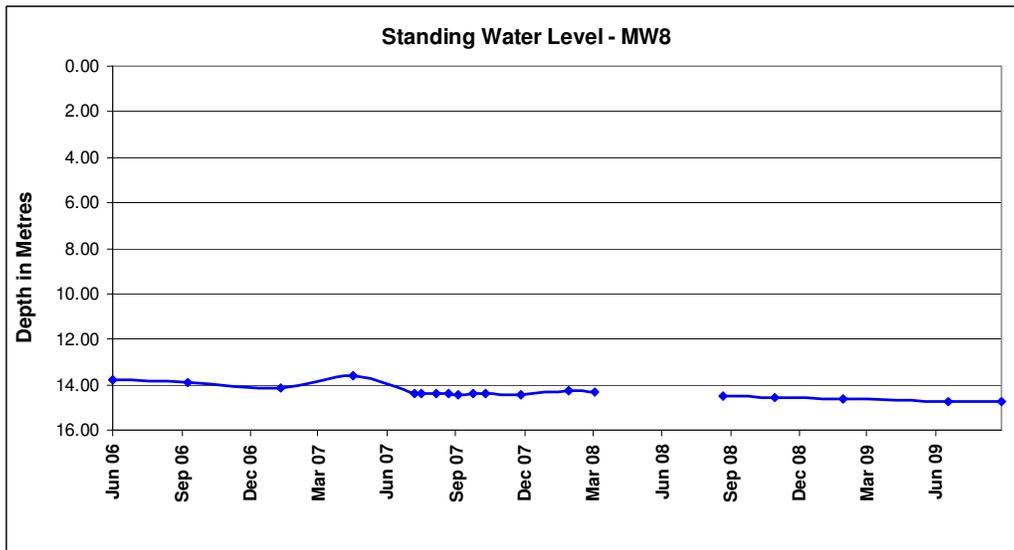
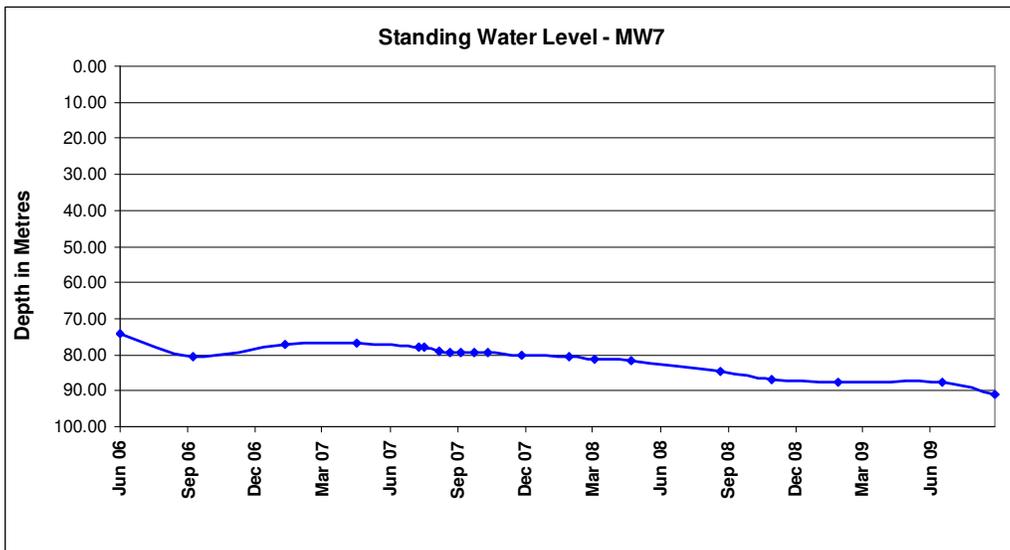
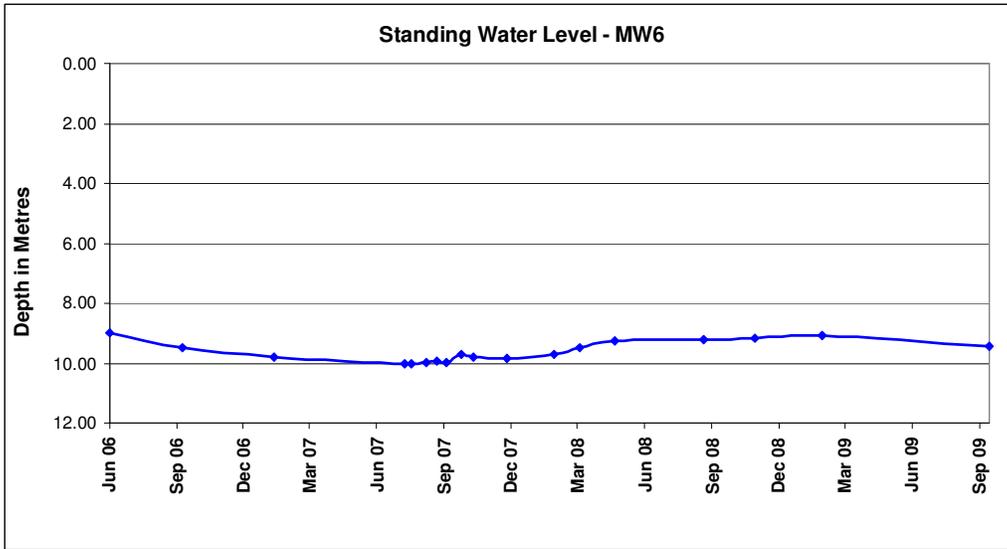
	January 07	14.1	6.7	2260
	April 07	13.6		
	July 07	14.41	6.8	2530
	August 07	14.40		
	September 07	14.38		
	October 07	14.37		
	November 07	14.43		
	January 08	14.28		
	March 08	14.30		
	April 08	N/S		
	August 08	14.52		
	September 08			
	October 08	14.59	NA	NA
	November 08			
	December 08			
	January 09	14.60		
	June 09	Unable to sample		
	August 09	14.77		

The results indicate only minor variability in the ground water levels at each of the TCM monitoring bores. Standing water levels have dropped slightly at all sites since the last meeting, which is likely to be associated with the dry conditions over recent months. Monitoring will continue on a quarterly basis to generate additional data over time in order to establish ongoing trends in groundwater levels at our monitoring sites.

An independent hydrogeologist has provided Tarrawonga Coal with a draft review of groundwater and surface water monitoring completed to date. Following issue of the final document (expected mid-November), Tarrawonga Coal will submit an up-to-date Site Water Management Plan to the Department of Planning for approval.







Surface Water

No wet weather discharge events have occurred since the previous CCC meeting.

Complaints

Since the last meeting there have been no complaints lodged on the complaints line, however three complaints were made either by direct contact with Tarrawonga Coal personnel or via the DECCW. These complaints were as follows:

21st August 2009

Toll B-Double turned into incorrect lane on Manilla Road on entry from the Tarrawonga haul route and on intent to obtain Toll Truck number noted that the truck was not labelled.

The matter was referred to John Molloy of Toll with reiteration of the seriousness of the complaint. Toll was asked to immediately take action to label trucks and counsel the offending operator. Complaint also referred through senior Whitehaven management.

7th September 2009

The complainant said that the blast on the 7th September shook the windows and house and also noted general concern that some blasts seem to have significant impact on their property.

The Environmental Manager contacted the complainant to discuss the blast and advised that conditions at the time of the blast were not ideal due to low cloud cover and moisture in air but that the blast went ahead to avoid safety issues associated with wet blast area and a need to disconnect charges if blast didn't proceed. No monitor results were available at time of complaint but they have since shown compliance at the monitoring sites. An offer to set up a blast monitor at the residence for future blasts was not accepted.

8th October 2009

Complaint about dust and noise received via DECC on behalf of complainant.

The Environmental Manager contacted DECC to discuss and advised that wind direction on the day of the complaint would not direct dust or noise to the complainant's property. DECC were also informed that Idemitsu Coal was undertaking a clearing campaign in Leard State Forest which was generating dust and may have been contributing to the complainant's concerns. DECC was also

advised that as of the day prior to the complaint Whitehaven had made an offer to purchase the property which to the Company's knowledge had been accepted.

A public notice was advertised in the Namoi Valley Independent on the 29th October 2009 to remind nearby residences and the general public about the Tarrawonga complaints line phone number.

Rehabilitation

No rehabilitation has occurred since the last CCC meeting due to unfavourable weather conditions. At this stage, the next round of rehabilitation will occur in autumn 2010.