

Community Consultative Committee Meeting Minutes

Meeting No: 16

Date: Thursday, 23rd February 2012

Time: 4.05pm

Location: Narrabri Coal Operations Site Office

Present:

Terry Miller - Chairman
Sally Hunter
Peter Webb
James Stieger
Mark Foster
Greig Duncan (Narrabri Coal Operations General Manager)
Shane Pegg (Narrabri Coal Operations Technical Services Manager)
Danny Young (Whitehaven Coal Group Environmental Manager)
Steve Farrar (Narrabri Coal Operations Environmental Officer)
Mereka Smith (Narrabri Coal Operations Administration Assistant)

1.0 Apologies

Kevin Humphries

2.0 Previous Minutes

Moved: Sally Hunter

Seconded: James Stieger

2.1 Business Arising from Previous Minutes

- 2.1.1** The Mine Tour Day was a great success, had very positive feedback. Narrabri Coal Operations will run another Mine Tour Day later in the year to focus on the Longwall being fully operational underground.

Terry Miller advised the public were extremely happy with the day. Only one minor issue – couldn't properly hear tour guides on some of the buses and at tour locations. Use microphones/megaphones on the next tour day.

- 2.1.2** Underground conveyor equipment to be installed by June and once completed the start on the new car park will commence.

- 2.1.3** Greig Duncan advised the newsletter has been misplaced. A new newsletter will be created and published by the next CCC meeting.

- 2.1.4** Greig Duncan to speak to Dean Lawrence about the Neighbourhood watch program. Greig advised there has been no thefts onsite since Christmas.

James Stieger requested that Narrabri Coal inform the CCC members/neighbours of any theft incidents onsite.

3.0 General Business

3.1 Construction Progress Report

Greig Duncan provided the following update on construction progress;

- Long Wall (LW) will start to head underground on 12th March 2012. By the end of March all LW equipment will be underground. The installation of the LW face will commence at the end of March 2012.
- Coal Preparation Plant is still under commissioning, this will be complete by the end of April 2012.
- Ventilation shaft is fully commissioned and mine working of fans.
- All surface construction is now complete.

3.2 Environmental Overview

As per provided report.

Greig Duncan to follow up on the issues on the discharge in the events of 25th November 2011 and 2nd February 2012.

4.0 New Business

Sally Hunter asked if there was a plan in place to put in an Independent Dust Monitoring System at Baan Baa? This was spoken about at previous meetings.

Danny Young replied at this current stage we are not.

5.0 Complaints and Complaints Hotline

As per provided report.

Terry Miller advised there is litter on the corner of Kurrajong Creek Road, under the trees.

Steve Farrar replied in saying Narrabri Coal have had discussions with Council as they own Kurrajong Creek Road in regards to the litter problem. Council will not place any bins in the concerned areas. Narrabri Coal has spoken to staff/contractors about taking their rubbish with them when they leave these areas.

6.0 Next Meeting

Thursday 24th May 2012, 4:00pm, Narrabri Coal Site Office.

7.0 Closure of Meeting

Meeting closed 4:55pm

Narrabri Coal Mine Community Consultative Committee Meeting #16

Environmental Monitoring Report November 2011 – February 2012

Noise Monitoring

Attended noise monitoring was undertaken on 6th December 2011 to verify if noise levels were within compliance limits. The results from this monitoring are detailed in the tables below.

Table 1 NCM Noise Monitoring Results – 6 December 2011 (Day)					
Location	Time	dB(A), L _{eq} (15min)	Wind speed/ direction	Temp Grad (°C/100m)	Identified Noise Sources
Bow Hills	5:22 pm	41	Calm	-0.6	Traffic (38) train (37), birds & insects (34), NCM inaudible
Naroo	3:33 pm	42	0.5 m/s, NW	+1.2	Birds & insects (40), traffic (37), NCM (20)
Claremont*	4:07 pm	33	<0.5 m/s NW	-0.6	Birds & insects (31), NCM (<25)
Westhaven	4:33 pm	36	Calm	+1.2	Birds & insects (34), construction noise (33), NCM inaudible
Greylands	4:58 pm	46	Calm	-0.8	Birds & insects (45), traffic (37), sheep (34), NCM inaudible

* Correction of 4-8dB is to be subtracted from the *mine noise component only* to estimate levels at "Kurrajong".

Table 2 NCM Noise Monitoring Results – 6 December 2011 (Evening)					
Location	Time	dB(A), L _{eq} (15min)	Wind speed/ direction	Temp Grad (°C/100m)	Identified Noise Sources
Bow Hills	7:25 pm	41	3.5 m/s, NW	-1.8	Traffic (41), insects (30), NCM inaudible
Naroo	8:10 pm	42	3 m/s, NW	+0.6	Birds & insects (41), traffic (35), NCM (25)
Claremont	8:31 pm	35	3 m/s, NW	+0.6	Frogs & insects (35), traffic (25), NCM inaudible
Westhaven	8:54 pm	34	2 m/s, NW	-0.6	Insects (33), NCM (27)
Greylands	9:19 pm	39	2 m/s, NW	-1.2	Frogs & insects (38), traffic (32), NCM (28)

Table 3 NCM Noise Monitoring Results – 6 December 2011 (Night)					
Location	Time	dB(A), L _{eq} (15min)	Wind speed/ direction	Temp Grad (°C/100m)	Identified Noise Sources
Bow Hills	10:00 pm	40	2 m/s, NE	-1.8	Traffic (37), insects (35), NCM (32)
Naroo	11:46 pm	39	<0.5 m/s, NE	0	Traffic (36), insects (36), NCM inaudible
Claremont	11:13 pm	35	<0.5 m/s, NE	+1.6	Birds & insects (32), NCM (31), plane (27)
Westhaven	10:50 pm	34	<0.5 m/s, NE	-0.6	Insects (32), NCM (30)
Greylands	10:25 pm	45	1 m/s, NE	-1.2	Frogs & insects (45), traffic (35), NCM (30)

The results indicate noise emissions from the mine did not exceed the criterion limit of 35 dB(A), L_{eq}(15min) at any monitoring location during the monitoring period.

In addition to the operational noise, the noise from the mine must not exceed 45 dB(A) L₁(1 min) between the hours of 10 pm and 7 am. This is to minimise the potential for sleep disturbance as a result of individual loud noises from the mine. During the night time measurement circuit the L₁ (1 min) noise from the mine did not exceed 45 dB(A) at any monitoring location during the monitoring events.

The December monitoring also assessed the incidence of temperature inversions by placing two temperature loggers, attached to stakes, at different elevations. At the time of measurement, some slight temperature inversions were present, but no impact on noise propagation was noted.

The real time noise monitor, located at the “Matilda” property, is reporting results to date indicating no noise exceedance events.

Deposited Dust Monitoring

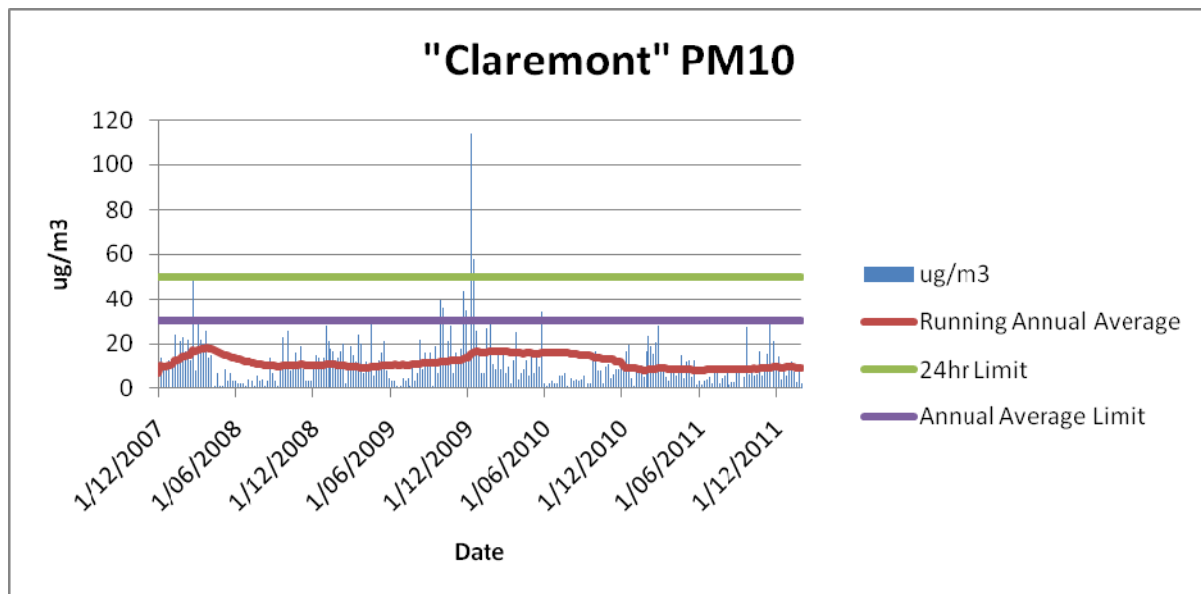
Month	ND1 Turrabaa	ND2 Claremont	ND3 Bow Hills	ND4 Matoppo	ND5 Claremont	ND6 Willarah	ND7 Claremont	ND8 Claremont	ND4a New Matoppo	ND9 Oakleigh
February 2011	1.1	2.5	0.5	1.5	4	2.1	2.3	2.6	3.6	
March 2011	1.4	1.6	2.5	3	46.6	5	1.6	2.1	3.2	
April 2011	0.6	1.8	3.6	5	3.8	0.8	1	0.7	1.8	
May 2011	0.1	0.4	1.8	7.8	3.3	0.8	0.8	0.4	1.1	
June 2011	0.8	0.9	2.2	48.1	4	1.5	1.3	3.1	4.3	0.8
July 2011	1.3	0.6	2.6	10.4	1.6		3.8	0.2	1.5	0.2
August 2011	0.4	2.3	1.8	12.2	12.4	1.9	1.5	1.2	0.6	0.5
September 2011	0.8	3.3	1.7	18.7	2.9	1	1.2	0.6	0.5	0.6
October 2011	1	1.5	2.1	4.9	7.5	1	2	0.7	0.7	0.4
November 2011	5	1	3.8	24.9	2.9	1	1.4	0.7	2.1	1.6
December 2011	4.7	2.8	2.3	23.3	5.7	4.9	1.8	3.5	0.6	3.5
January 2012	3.6	2.2	2	35	2.5	1.2	1.8	2	1.1	2.9
Annual Average	1.7	1.7	2.2	16.2	8.1	1.9	1.7	1.5	1.8	1.3

Deposited dust results have remained at relatively low levels since the last meeting, with the exception of ND4 “Matoppo” and ND5 “Claremont”. ND4 is in the process of being replaced with ND4a which is closer to site operations and consistently shows lower concentrations than that of ND4, indicating other sources of material may be responsible for the high annual average. The high results reported in March and August 2011 in monitor ND5 have adversely affected the annual average for this gauge. All other annual average results have generally declined.

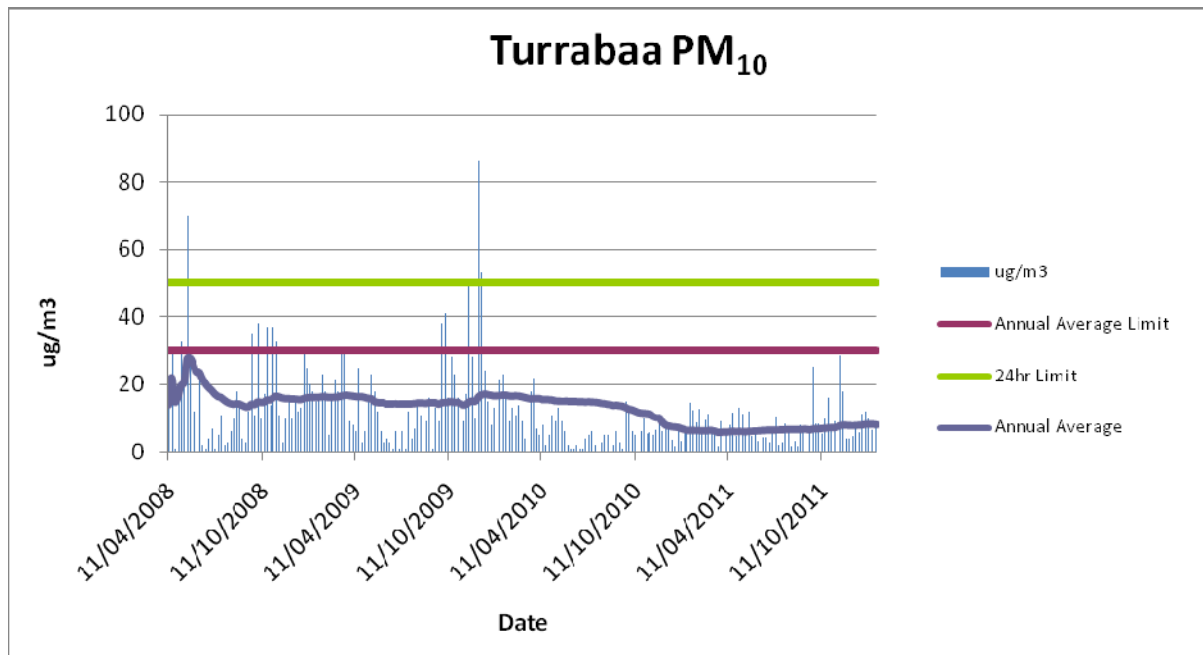
Monitor ND9, located at “Oakleigh”, continues to report results well within compliance limits.

High Volume Air Sampling (PM₁₀)

PM₁₀ measurements taken to date for the “Claremont” High Volume Air Sampler are returning a running annual average of 9.15 µg/m³ which is well below the annual average limit of 30 µg/m³.



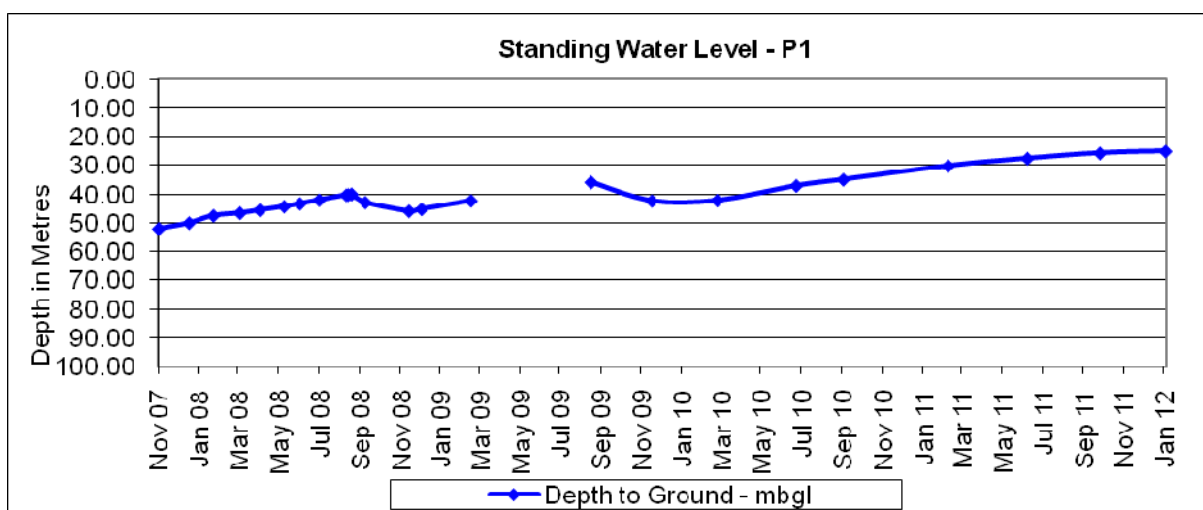
PM₁₀ measurements taken to date for the “Turrabaa” High Volume Air Sampler are returning a running annual average of 8.14 µg/m³ which is also well below the annual average limit of 30 µg/m³.

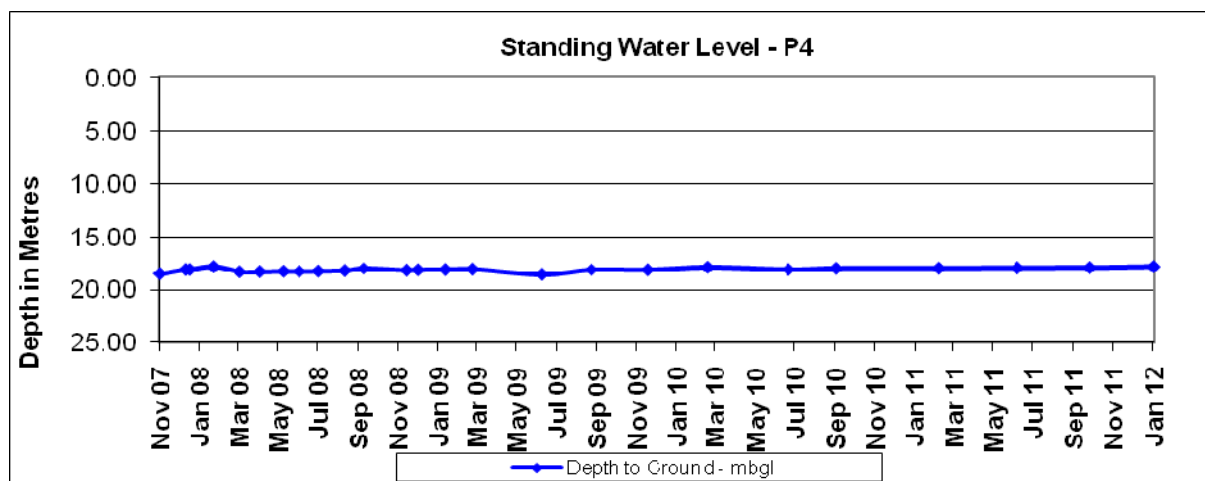
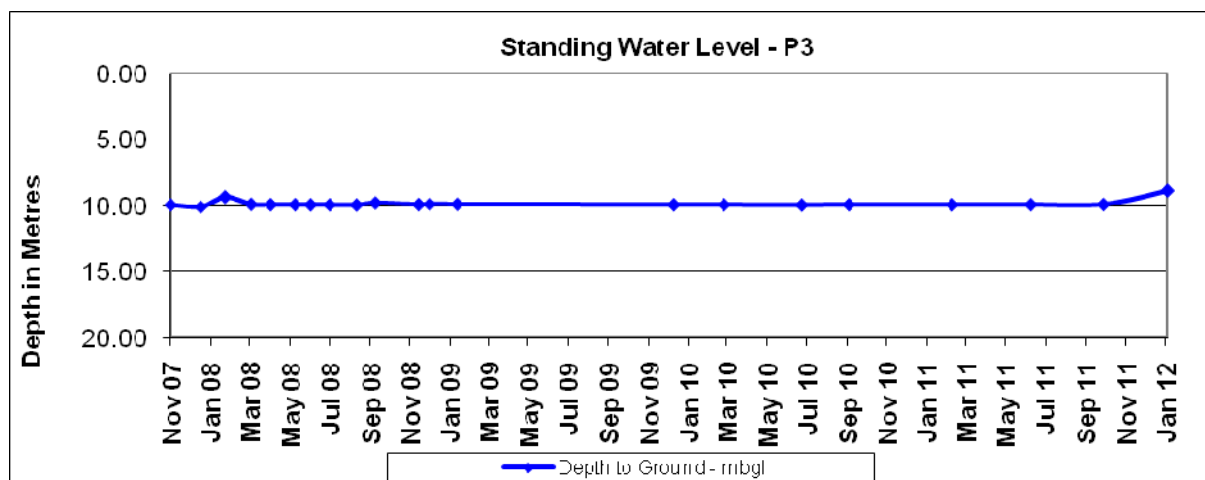
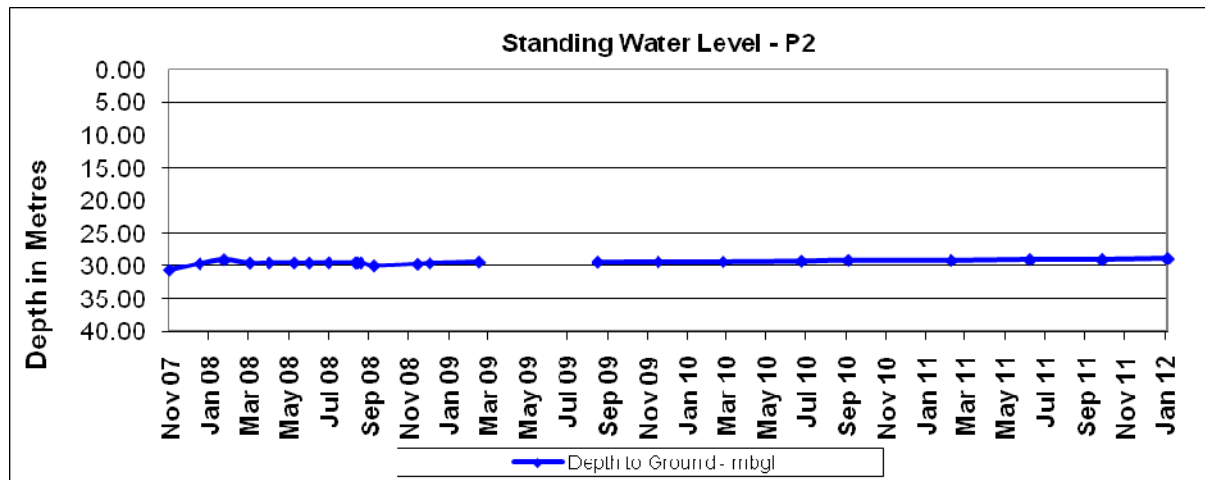


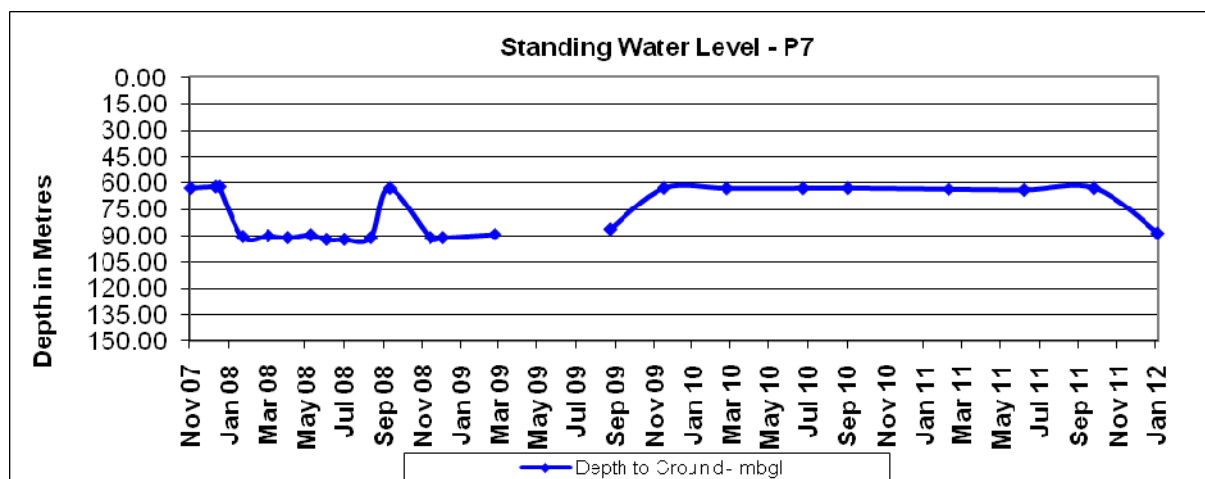
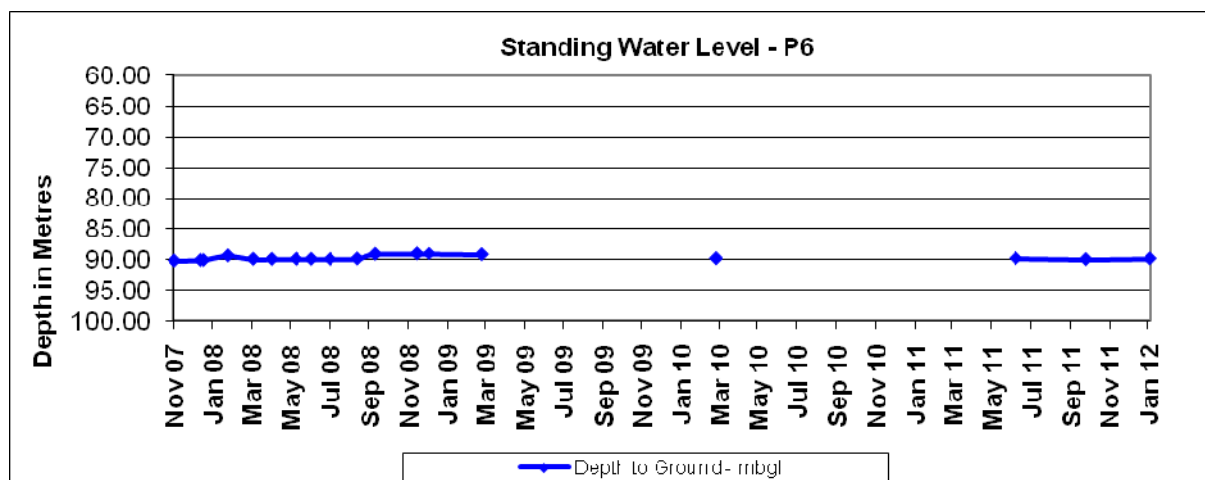
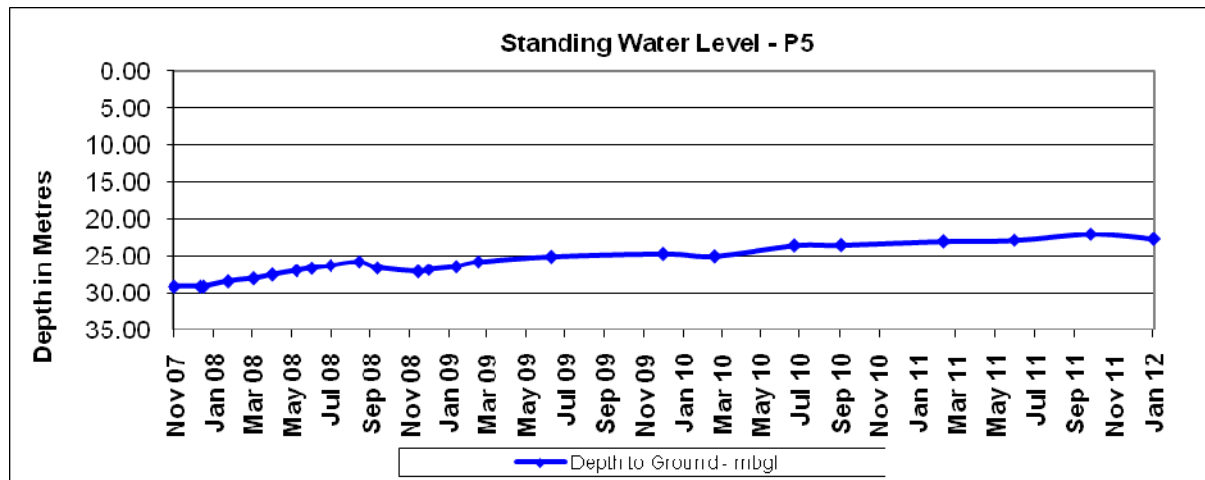
PM₁₀ levels have remained compliant since the last meeting with annual averages at both sites displaying a stabilising trend.

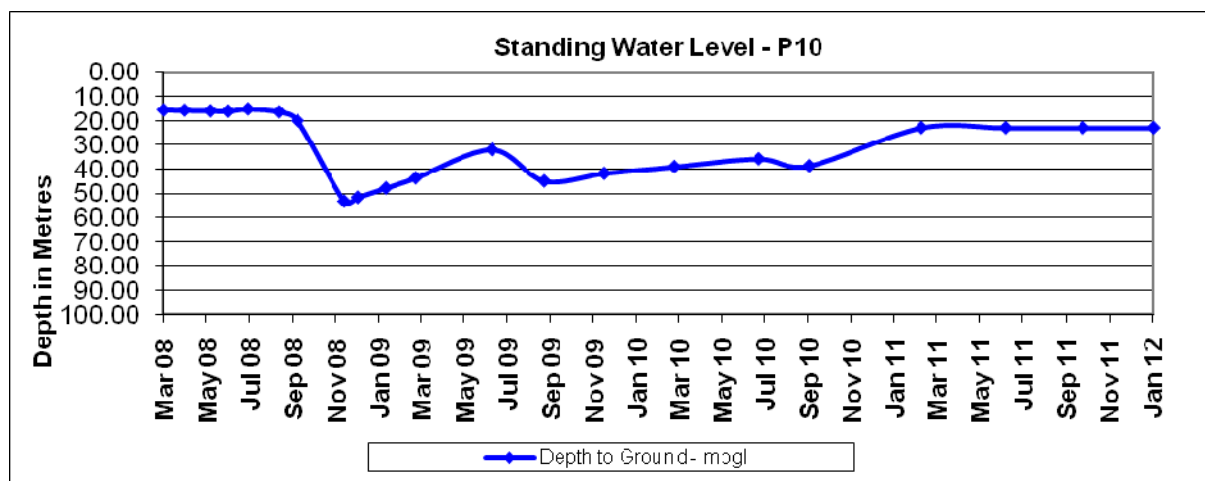
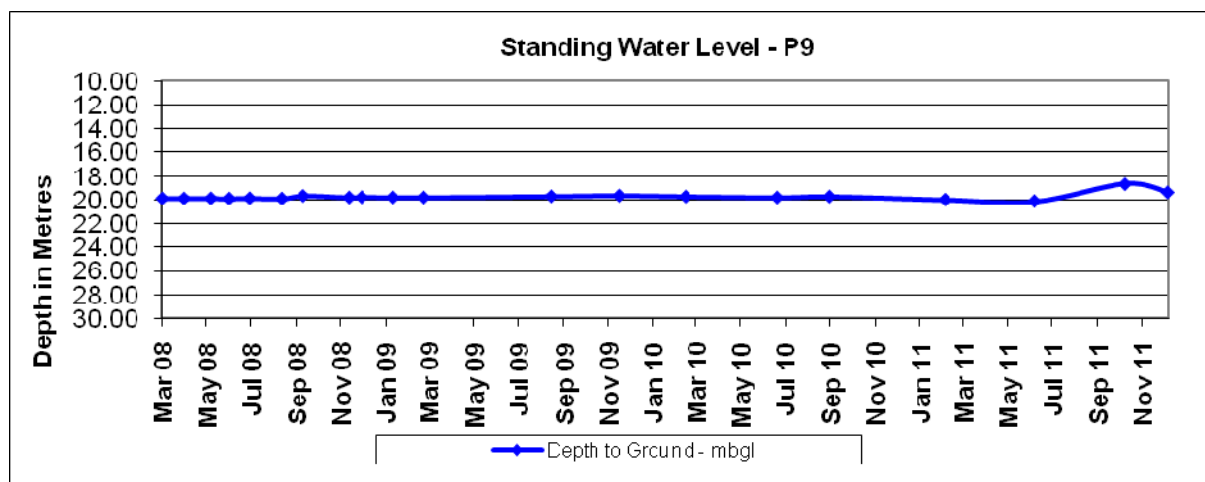
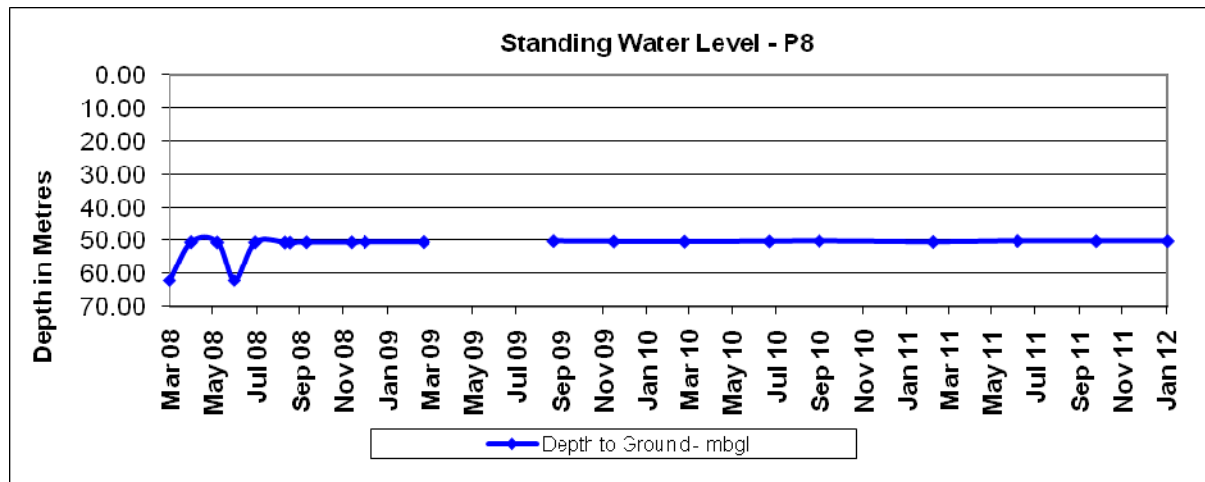
Groundwater Monitoring

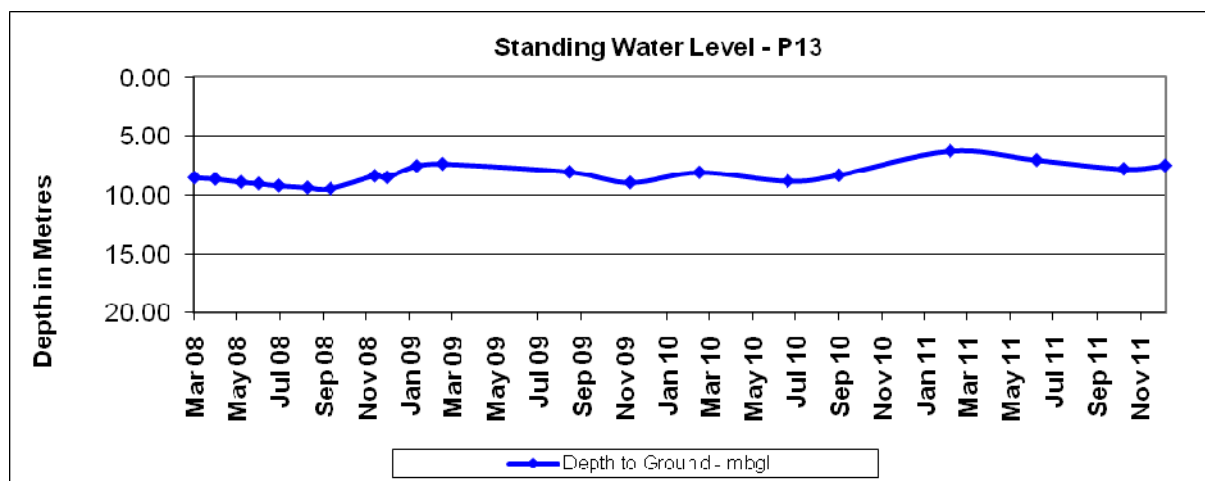
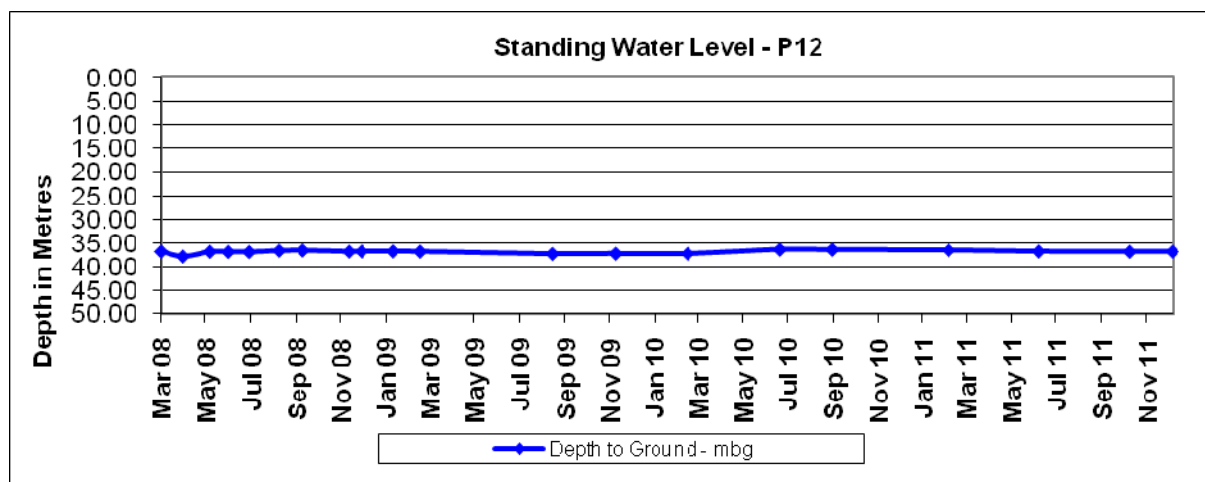
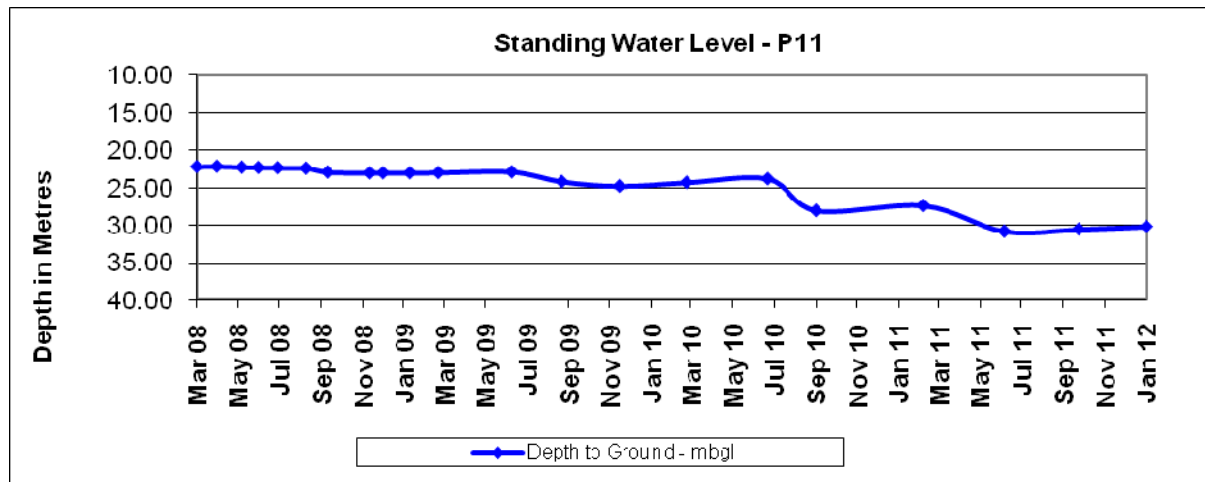
Groundwater monitoring was completed during December and January. Results indicate that groundwater levels are remaining relatively consistent with prior measurements. P7, located in “Jacks Creek State Forest”, was noted as dropping over 15m during the previous sampling period. As longwall mining has not commenced and other piezometers between the site and P7, e.g. P14, P15 and P16, have not shown any reduced levels of this magnitude, Narrabri Mine does not consider its operation is affecting this piezometer. The results for this piezometer will continued to be monitored.

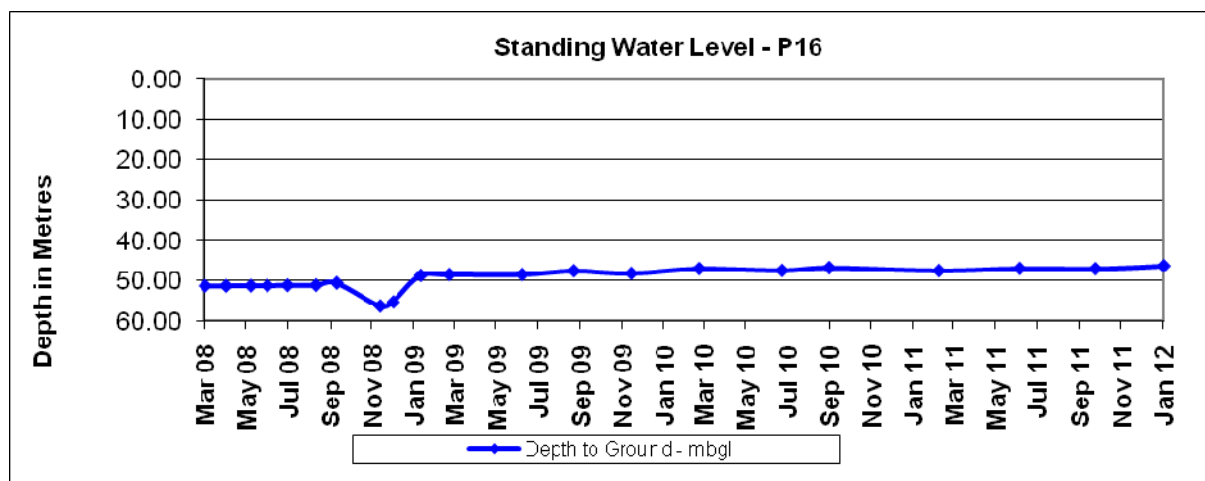
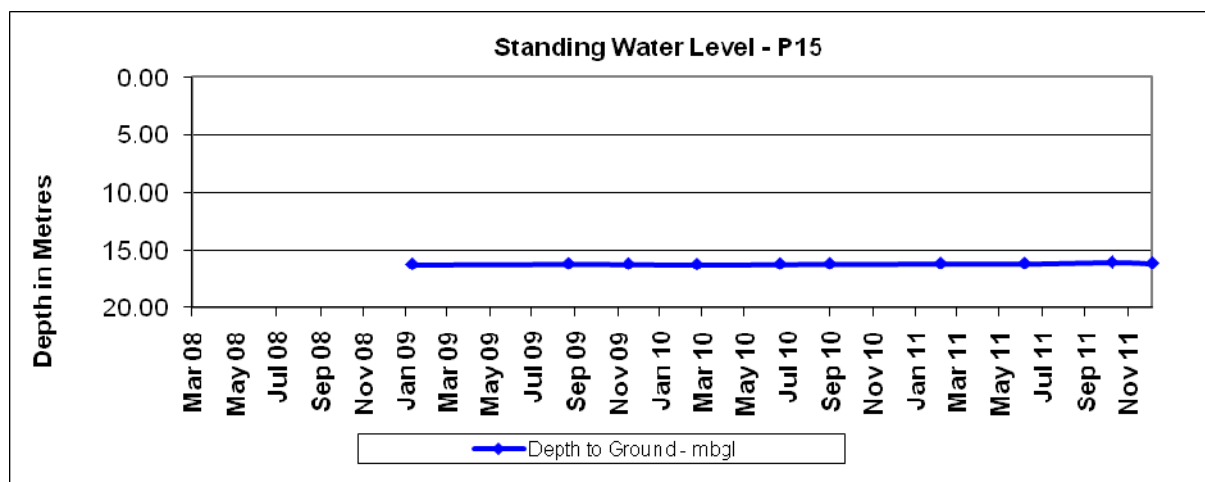
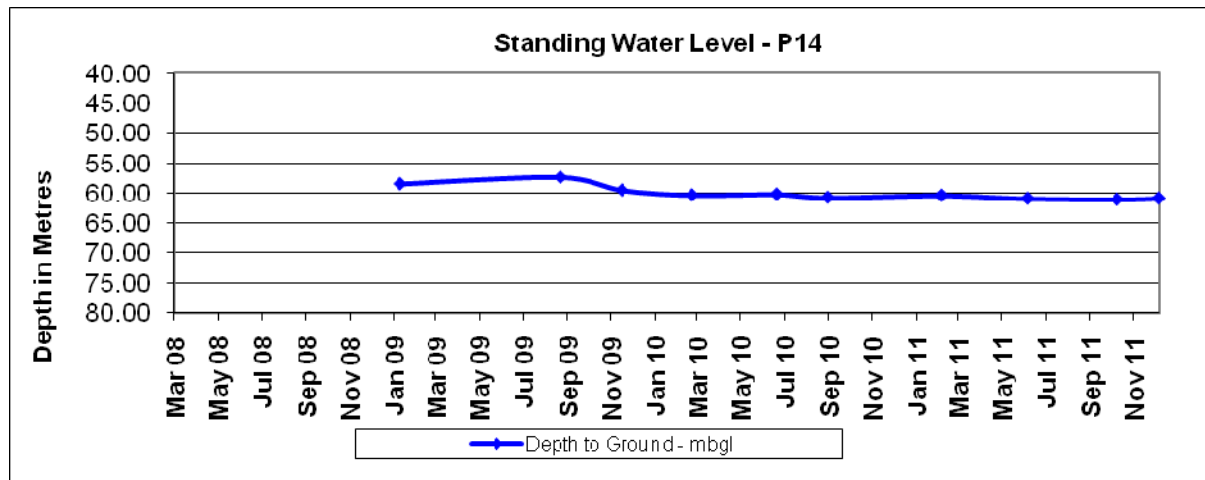


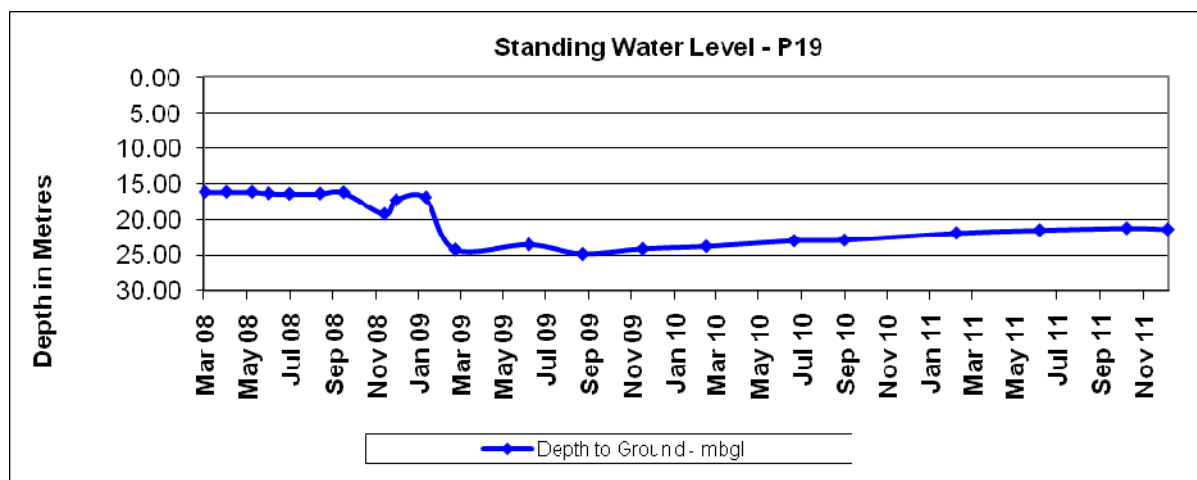
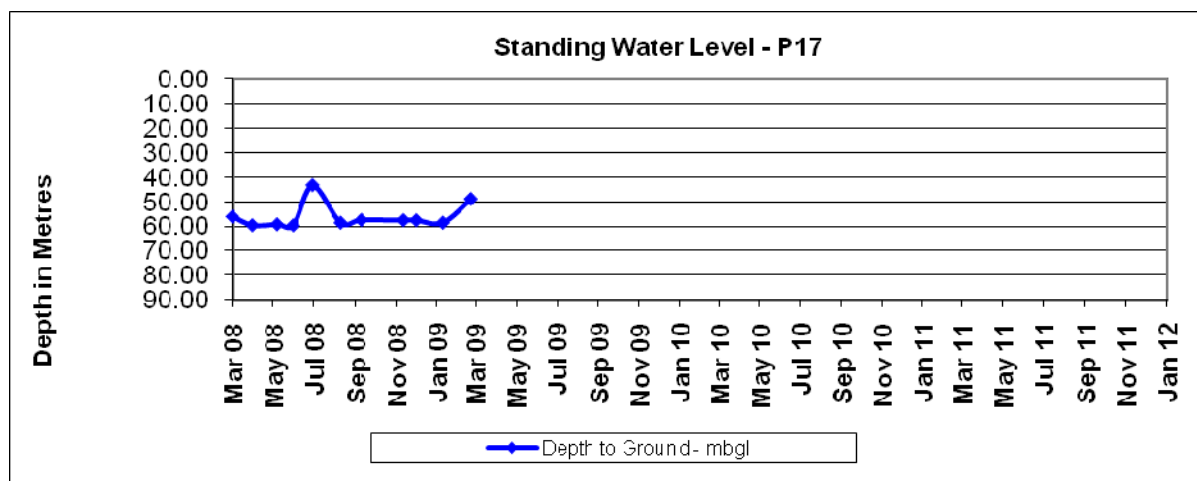












Surface Water Monitoring

Two wet weather discharges from licensed discharge points occurred during November 2011 and February 2012. The Environmental Protection Licence (EPL) outlines the limits for the following water quality parameters: Oil and Grease – 10mg/L; pH – 6.5-8.5; and Total Suspended Solids – 50mg/L (no limits are set for Total Organic Carbon (TOC) or Electrical Conductivity (EC)). It is important to note that the EPL also outlines that if 38.4mm of rain falls within a consecutive 5-day period that these limits can be exceeded, which was the case for both discharge events.

Table 1: Discharge Water Quality – 25th November 2011

Site	Date	Time	pH	EC (us/cm)	TSS (mg/L)	TOC (mg/L)	Oil/Grease (mg/L)
SD2	25/11/2011	1210	7.24	83	42	7	<5
SD4	25/11/2011	1410	7.52	131	166	7	<5
SD5	25/11/2011	1230	7.48	125	83	6	<5
SD2	1/02/2012	1130	7.91	178	20	6	<5
SD4	1/02/2012	1140	7.90	212	247	5	<5
SD5	1/02/2012	1145	7.84	148	36	7	<5

Flows were also monitored in surrounding creek points during these events on 25th November 2011 and 2nd February 2012.

Complaints

One formal complaint has been received since November 2011. The complainant advised that contractors accessing their property to undertake monitoring on behalf of Narrabri Mine were not contacting complainant and leaving gates open in paddocks where stock is located. Narrabri Mine contacted the contractor and advised that they MUST contact complainant when onsite (phone call not required but to present themselves if they are home) and all gates are to be shut immediately after driving through them.

Independent Environmental Audit

The Action Plan relevant to the Independent Environmental Audit has been approved by the Department of Planning and Infrastructure and is available on Whitehaven's website. The Action Plan and Audit document will be made available to the CCC for their information.

Community Consultative Committee Meeting Minutes

Meeting No: 17

Date: Thursday, 14th June 2012

Time: 4.05pm

Location: Narrabri Coal Operations Site Office

Present:

Terry Miller - Chairman
Sally Hunter
Peter Webb
James Stieger
Mark Foster
Cr Cathy Redding (Narrabri Shire Council)
Kharl Turnbull (EPA Armidale)
Shane Pegg (Narrabri Coal Operations Technical Services Manager)
Steve Farrar (Narrabri Coal Operations Environmental Officer)
Mereka Smith (Narrabri Coal Operations Administration Assistant)

1.0 Apologies

Greig Duncan, Kevin Humphries and Danny Young

2.0 Previous Minutes

Moved: Mark Foster

Seconded: James Stieger

James Stieger didn't approve the section under Environmental Overview in the previous minutes. Requested the minutes include the following (under Environmental Overview);

Committee discussed the overflow of SB1 into the Kurrajong Creek T2.

Committee unanimously agreed for this to be included in the previous minutes.

2.1 Business Arising from Previous Minutes

2.1.1 Commencement of Longwall mining has begun and Shane Pegg will provide an overview/presentation regarding this under the Construction Progress Report.

2.1.2 There is still some underground conveyor equipment to be installed but once this is complete the construction of the new car park will commence, this should be around July 2012 – pending the boards approval.

Committee discussed the issue of the Turrawan Road becoming very busy. James Stieger advised the road is particularly busy around dawn and dusk and the road is not up to standard for the traffic that now passes on it. James had a suggestion that the mine should provide more shuttle buses for staff to use in and out of Narrabri.

Shane Pegg advised the contractors onsite, UGM and SBD provide shuttle buses for their staff.

Steve Farrar advised that in the Whitehaven Coal Policy staff are required to live locally and a lot of staff drive to work.

Sally Hunter asked Cr Cathy Redding if it is on the Council's list to broaden the Turrawan Road.

Cr Cathy Redding replied, no.

Shane Pegg and Cr Cathy Redding suggested that possibly Whitehaven Coal and the Council may have talks to widen/improve the Turrawan Road once the Maules Creek Mine commences.

2.1.3 Shane Pegg advised the hold off on the newsletter is due to the longwall construction. The newsletter will be issued at the end of June 2012.

2.1.4 No further progress on the Neighbourhood watch program. Greig Duncan will provide an update at the next meeting. Shane Pegg advised there have been some thefts since the last meeting. Narrabri Coal Operations (NCO) has hired a professional security firm to provide irregular patrols on the Whitehaven Coal leased/owned properties. These patrols commenced in April. Shane advised a local Police Officer works closely with NCO in regards to theft issue.

Mark Foster requested that can NCO put up signs to make it aware there is a security company patrolling?

Shane Pegg advised he will take this request to the General Manager.

3.0 General Business

3.1 Construction Progress Report

Shane Pegg provided the following update on construction progress;

- Longwall cut 'first coal' on Tuesday. Longwall production to ramp up over a 3 month period.
- Photos of longwall operating presented to CCC.

Terry Miller asked when will the roof start caving in.

Shane Pegg replied around the end of next week it will start.

Cr Cathy Redding asked when will we get to Greylands Road?

Shane Pegg replied in 6-8 weeks.

James Stieger asked how many longwall blocks before you top coal cave?

Shane Pegg replied it would be in Stage 3 but approvals will need to be granted before any Stage 3 works commence.

Cr Cathy Redding asked as you are ramping up to 24hrs on the longwall cutting, will you be hiring more staff?

Shane Pegg replied in saying our rosters are already 24hr.

Peter Webb asked where the nearest house to the longwall 2 & 3 panels is?

Steve Farrar replied to Peter. It is the Newhaven property.

Peter Webb asked how far is it?

Steve Farrar replied 1km – 1.5km.

- CHPP – constructed and Sedgemans have contract to operate. Wash coal 24hours when longwall output requires it.

James Stieger asked the question why do we have to wash the coal now, thought there was no need to wash it?

Shane Pegg advised that it was always intended to screen the product. We developed the wash plant to wash 40% and bypass 60% in order to be able to produce a PCI product.

3.2 Environmental Overview

As per provided report.

Shane Pegg asked James Stieger why he didn't provide photographs to the General Manager in regards to the discharge matter.

James replied in saying he believed this matter should go higher than the General Manager and decided to take it further and had discussions with the EPA.

Shane Pegg advised to the Committee all notifications were made to the EPA. The EPA then advised on corrective actions and all those required actions were acted upon and are now completed. Which included; further earthworks, upgrading of dams SB1 and SB2, which now have a combined storage volume of approx. 50ML.

James Stieger believes Whitehaven Coal was not compliant and didn't lodge the discharge and would like the CCC to make a formal media release on the report findings from the EPA.

Shane Pegg doesn't agree to this request and will have to take it on notice.

Kharl Turnbull advised the EPA legislations have changed in regards to media releases. Therefore Gary Davies from the EPA has no legal requirement to publish a media release on the findings from the report. Information in terms of fines issued is available on the public register.

Terry Miller asked Kharl Turnbull if we can get a copy of the report?

Kharl Turnbull advised no you cannot as it is for internal use only.

Terry Miller asked can the findings be published?

Kharl Turnbull replied that the findings from the report are available on the public register. Exact details are not released.

Kharl Turnbull advised there are emergency procedures in place to prevent environmental harm, which must be followed. And if an event causes environmental harm then the company must notify 5 different agencies. They are; EPA, WorkCover NSW, Fire and Rescue, Public Health Unit and Council.

Steve Farrar advised the complaints line is on the Whitehaven Coal website and has been recently advertised in the Courier.

Kharl Turnbull advised EPA have no outstanding issues with this site.

James Stieger asked do the coal trains have to sound their horns when they are approaching the crossing at the intersection?

Shane Pegg replied that he will raise this issue with Pacific National but it is a requirement for the trains to sound their horn as they approach a crossing.

4.0 New Business

Sally Hunter said that they have never met the Whitehaven Coal Community Liaison Officer.

Steve Farrar replied that it is Tim Muldoon and he works from the Gunnedah Office.

Shane Pegg advised Steve Farrar as the Environmental Officer acts as the frontline contact for Narrabri mine. He would like to have a full time Community Liaison Officer in the area but it is not in his budget. Steve is able to address the local issues, grew up in Narrabri, now lives in Narrabri and he knows this area.

Sally Hunter asked if Narrabri Coal could give the Polocrosse some of the mesh wash baskets that are used by coal wash plants [screens from cyclones in CHPP] for use as fire baskets at their events.

Shane Pegg advised our prep plant doesn't use those mesh wash baskets but Gunnedah do and he will find out if he can get some.

James Stieger wanted to express he is not happy with the comment from Shane Pegg that his request has been put on notice, it needed to be a yes. The whole community has been impacted and need to be informed.

Sally Hunter said we need an open honest appearance.

James Stieger would like Whitehaven Coal to make the media release.

Shane Pegg advised media releases are made through the company Directors, that this committee would not direct the issue of a media release and there is no obligation on Whitehaven to make one.

Committee discussed housing issues.

Shane Pegg advised that Whitehaven Coal has in the budget to build additional housing in the town of Narrabri and has already done so in Gunnedah.

Sally Hunter asked the question why Boggabri requires such a big MAC Village?

Shane Pegg advised that this was not in relation to Narrabri mine and as such was not in a position to be able to answer.

Cr Cathy Redding advised the approval hasn't been granted for the MAC Village at Boggabri.

Committee discussed the interaction of the people staying at the MAC with the community.

5.0 Complaints and Complaints Hotline

As per provided report.

6.0 Next Meeting

Wednesday 1st August 2012, 12:00pm, Narrabri Coal Site Office. Kevin Humphries MP to attend.

7.0 Closure of Meeting

Meeting closed 5:20pm

Narrabri Coal Mine Community Consultative Committee Meeting #17

Environmental Monitoring Report March – May 2012

Noise Monitoring

Attended noise monitoring was undertaken during 29 March to 1 April 2012 to verify if noise levels were within compliance limits. The results from this monitoring are detailed in the tables below.

Table 1 BCM Operational Noise Monitoring Results – 29 March 2012 (day)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Temp Grad (°C/100m)	Identified Noise Sources
N1 Bow Hills	4:15 pm	43	2 m/s SE	n/a	Traffic (42), birds & insects (37), NCM inaudible
N3 Naroo	4:13 pm	54	2 m/s SE	n/a	Traffic (51), birds & insects (51), NCM inaudible

Table 2 BCM Operational Noise Monitoring Results – 29 March 2012 (evening)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Temp Grad (°C/100m)	Identified Noise Sources
N1 Bow Hills	8:05 pm	42	Calm	+3	Insects (40), traffic (38), NCM inaudible
N3 Naroo	8:43 pm	48	Calm	+5.6	Traffic (47), insects (40), NCM inaudible
N5 Oakleigh	9:25 pm	39	Calm	+1.5	Insects (38), traffic (32), NCM inaudible
N6 Newhaven	8:04 pm	42	Calm	+3	Insects (41), NCM (33)*, traffic (30)
N7 Merriman	9:10 pm	46	Calm	+4.4	Traffic (46), birds & insects (30), NCM (<20)
N4 Greylands	8:40 pm	39	Calm	+5.6	Traffic (37), birds & insects (32), NCM (25)

*Noise from gas drainage wells

Table 3 BCM Operational Noise Monitoring Results – 29 March 2012 (night)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Temp Grad (°C/100m)	Identified Noise Sources
N1 Bow Hills	10:01 pm	36	0.2 m/s SE	+2.7	Insects (33), traffic (33), NCM (<25)
N3 Naroo	10:00 pm	47	0.2 m/s SE	+2.7	Birds & insects (47), traffic (35), NCM inaudible
N5 Oakleigh	11:04 pm	32	0.2 m/s SE	+3.6	Insects (31), traffic (25), NCM inaudible
N6 Newhaven	12:20 am	38	Calm	+0.6	Insects (35), NCM (34)*, traffic (28)
N7 Merriman	11:07 pm	36	0.2 m/s SE	+3.6	Insects (33), traffic (33), NCM (<20)
N4 Greylands	12:15 am	32	Calm	+0.6	NCM (30), insects (27)

*Noise from gas drainage wells

Table 4 BCM Operational Noise Monitoring Results – 30 March 2012 (day)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Temp Grad (°C/100m)	Identified Noise Sources
N1 Bow Hills	10:03 am	31	0.5 m/s S	n/a	Traffic (29), birds & insects (25), NCM inaudible
N3 Naroo	11:40 am	45	1 m/s SW	n/a	Traffic (43), birds & insects (40), NCM (30)
N5 Oakleigh	1:18 pm	36	2 m/s SW	n/a	Birds & insects (36), traffic (28), NCM inaudible
N6 Newhaven	11:25 am	42	1 m/s SW	n/a	Birds & insects (42), NCM (20)*
N7 Merriman	9:50 am	39	0.5 m/s SW	n/a	Traffic (39), birds & insects (30), NCM inaudible
N4 Greylands	1:00 pm	53	2 m/s SW	n/a	Traffic (53), birds & insects (30), NCM inaudible

*Noise from gas drainage wells

Table 5 BCM Operational Noise Monitoring Results – 30 March 2012 (evening)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Temp Grad (°C/100m)	Identified Noise Sources
N1 Bow Hills	7:08 pm	43	Calm	Lapse	Traffic (43), insects & birds (30), NCM inaudible
N3 Naroo	6:00 pm	39	Calm	Lapse	Traffic (37), birds & insects (35), NCM inaudible
N5 Oakleigh	6:34 pm	36	Calm	Lapse	Insects & birds (36), NCM inaudible
N6 Newhaven	6:02 pm	36	Calm	Lapse	Birds & insects (35), NCM (30)*
N7 Merriman	6:38 pm	45	Calm	Lapse	Traffic (45), birds & insects (35), NCM inaudible

*Noise from gas drainage wells

Table 6 BCM Operational Noise Monitoring Results – 30 March 2012 (night)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Temp Grad (°C/100m)	Identified Noise Sources
N1 Bow Hills	12:10 am	41	Calm	+2.7	Traffic (41), insects (30), NCM (15)
N3 Naroo	10:01 pm	47	Calm	+1.5	Insects (46), traffic (40), NCM inaudible
N5 Oakleigh	11:05 pm	33	Calm	+2.1	Insects (33), traffic (22), NCM inaudible
N6 Newhaven	12:15 am	43	Calm	+2.7	Birds & insects (42), NCM (34)*
N7 Merriman	10:55 pm	45	Calm	+2.1	Traffic (45), insects (31), NCM (<25)

*Noise from gas drainage wells

Table 7 BCM Operational Noise Monitoring Results – 31 March 2012 (day)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Temp Grad (°C/100m)	Identified Noise Sources
N1 Bow Hills	8:20 am	43	0.5 m/s, S	n/a	Traffic (43), birds & insects (30), NCM (25)
N3 Naroo	10:03 am	41	1 m/s, S	n/a	Traffic (39), birds & insects (36), NCM inaudible
N5 Oakleigh	11:40 am	38	1 m/s, S	n/a	Birds & insects (38), NCM inaudible
N6 Newhaven	11:40 am	40	0.5 m/s, S	n/a	Birds & insects (40), NCM (33)*
N7 Merriman	10:04 am	40	0.5 m/s, S	n/a	Traffic (38), birds & insects (35), NCM (29)

*Noise from gas drainage wells

Table 8 BCM Operational Noise Monitoring Results – 31 March 2012 (evening)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Temp Grad (°C/100m)	Identified Noise Sources
N1 Bow Hills	6:02 pm	41	Calm	Lapse	Traffic (38), birds & insects (37), cattle (32), NCM inaudible
N3 Naroo	6:36 pm	47	Calm	Lapse	Birds & insects (46), traffic (40), dogs (36), NCM inaudible
N5 Oakleigh	7:10 pm	34	Calm	Lapse	Birds & insects (34), NCM inaudible
N6 Newhaven	6:00 pm	38	Calm	Lapse	Birds & insects (37), NCM (30)*
N7 Merriman	6:36 pm	49	Calm	Lapse	Traffic (49), birds & insects (36), NCM (<25)

*Noise from gas drainage wells

Table 9 BCM Operational Noise Monitoring Results – 31 March 2012 (night)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Temp Grad (°C/100m)	Identified Noise Sources
N1 Bow Hills	10:01 pm	38	0.5 m/s S	+4.2	Traffic (37), insects (31), NCM inaudible
N3 Naroo	11:07 pm	40	Calm	+4.9	Traffic (39), insects (33), NCM barely audible
N5 Oakleigh	12:15 am	31	Calm	+2.7	NCM (28), insects (24), traffic (23)
N6 Newhaven	10:03 pm	35	Calm	+4.2	NCM (34)*, traffic (27), birds & insects (25)
N7 Merriman	11:08 pm	42	Calm	+4.9	Traffic (42), insects (30), NCM (25)

*Noise from gas drainage wells

Table 10 BCM Operational Noise Monitoring Results – 1 April 2012 (day)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Temp Grad (°C/100m)	Identified Noise Sources
N5 Oakleigh	8:11 am	39	1 m/s, S	n/a	Birds & insects (39), traffic (30), NCM inaudible
N6 Newhaven	9:37 am	42	1 m/s, S	n/a	Birds & insects (42), NCM (29)*
N7 Merriman	8:00 am	44	1 m/s S	n/a	Traffic (44), birds & insects (35), NCM (25)

*Noise from gas drainage wells

The results in Tables 1 to 10 show that, under the operating and meteorological conditions at the times, for the worst case 15 minute compliance measurement periods, the mine noise was at variable levels but did not exceed the operational noise criterion at any location or time.

The L_1 (1 min) noise from mining did not exceed the 45 dB(A) criterion at any monitoring location during the night periods. As there were no exceedances of any noise criteria no noise management actions were necessary.

The March/April monitoring also assessed the incidence of temperature inversions by placing two temperature loggers, attached to stakes, at different elevations. At the time of measurement, some slight temperature inversions were present, but no impact on noise propagation was noted.

The real time noise monitor is reporting results to date indicating no noise exceedance events attributable to site operations.

Deposited Dust Monitoring

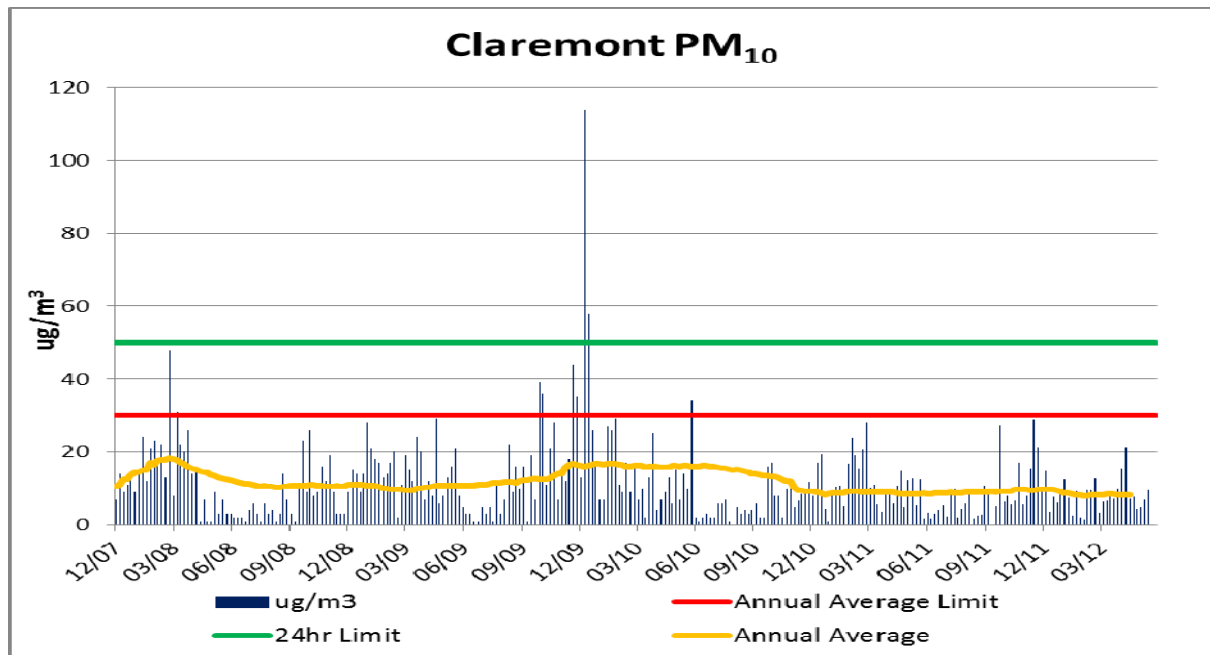
Month	ND1 Turrabaa	ND2 Claremont	ND3 Bow Hills	ND4a New Matoppo	ND5 Claremont	ND6 Willarah	ND7 Claremont	ND8 Claremont	ND11 Oakleigh
Jun-11	0.8	0.9	2.2	4.3	4.0	1.5	1.3	3.1	0.8
Jul-11	1.3	0.6	2.6	1.5	1.6		3.8	0.2	0.2
Aug-11	0.4	2.3	1.8	0.6	12.4	1.9	1.5	1.2	0.5
Sep-11	0.8	3.3	1.7	0.5	2.9	1.0	1.2	0.6	0.6
Oct-11	1.0	1.5	2.1	0.7	7.5	1.0	2.0	0.7	0.4
Nov-11	5.0	1.0	3.8	2.1	2.9	1.0	1.4	0.7	1.6
Dec-11	4.7	2.8	2.3	0.6	5.7	4.9	1.8	3.5	3.5
Jan-12	3.6	2.2	2.0	1.1	2.5	1.2	1.8	2.0	2.9
Feb-12	0.9	0.9	0.5	3.0	8.1	9.3	0.7	2.1	0.7
Mar-12	1.4	6.7	0.7	21.6	2.8	29.3	2.9	1.6	
Apr-12	6.7	8.1	2	7.6	2.6	8.5	2.4	3.6	0.8
May-12	2.9	10.3	1.5	0.7	3.8	0.4	1	6.1	1.3
Annual Average	2.5	3.4	1.9	3.7	4.7	5.5	1.8	2.1	1.2

Deposited dust results have remained at relatively low levels since the last meeting, with the exception of ND5 “Claremont” and ND6 “Willarah”. ND4 has been replaced with ND4a which is closer to site operations. The high results reported in August 2011 in ND5 and March 2012 in ND6 has adversely affected the annual average for these gauges. All other annual average results have generally declined or remain stable.

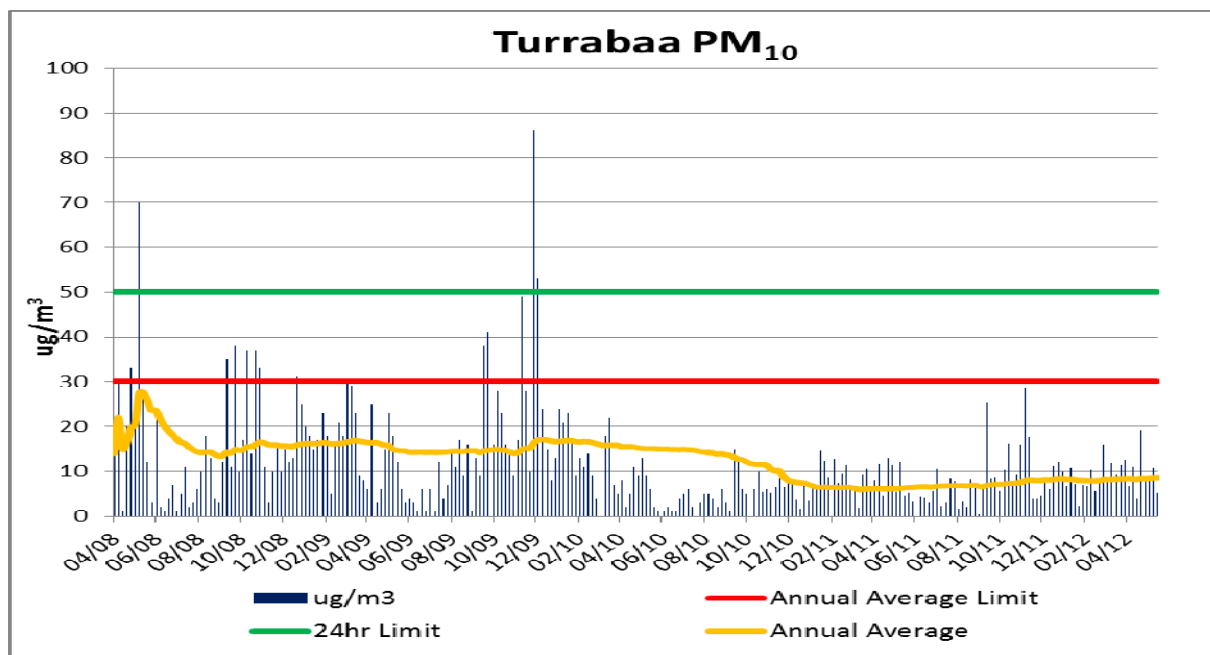
Monitor ND11, located at “Oakleigh”, continues to report results well within compliance limits.

High Volume Air Sampling (PM₁₀)

PM₁₀ measurements taken to date for the “Claremont” High Volume Air Sampler are returning a running annual average of 8.15 µg/m³ which is well below the annual average limit of 30 µg/m³.



PM₁₀ measurements taken to date for the “Turrabaa” High Volume Air Sampler are returning a running annual average of 8.52 µg/m³ which is also well below the annual average limit of 30 µg/m³

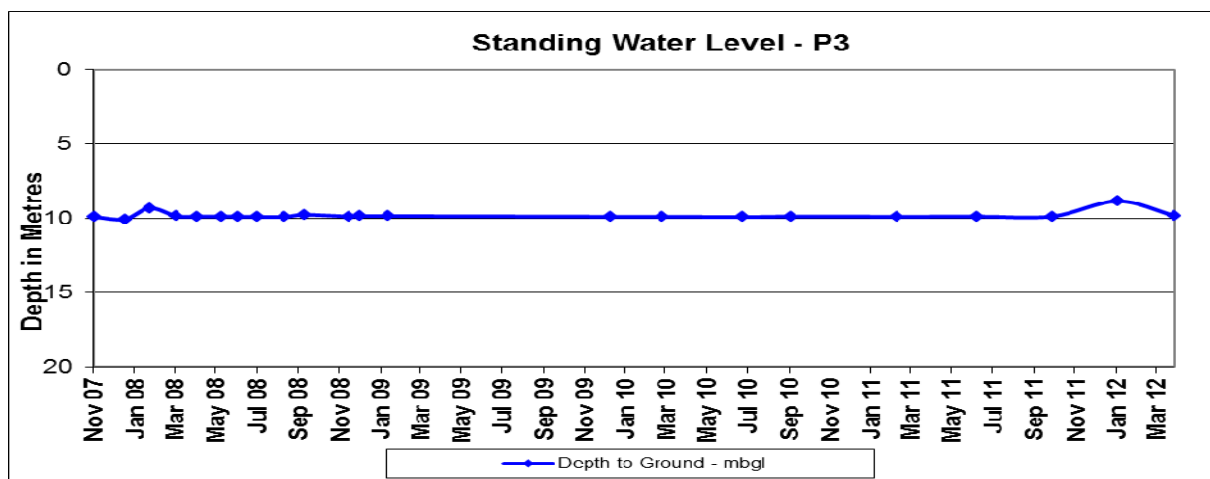
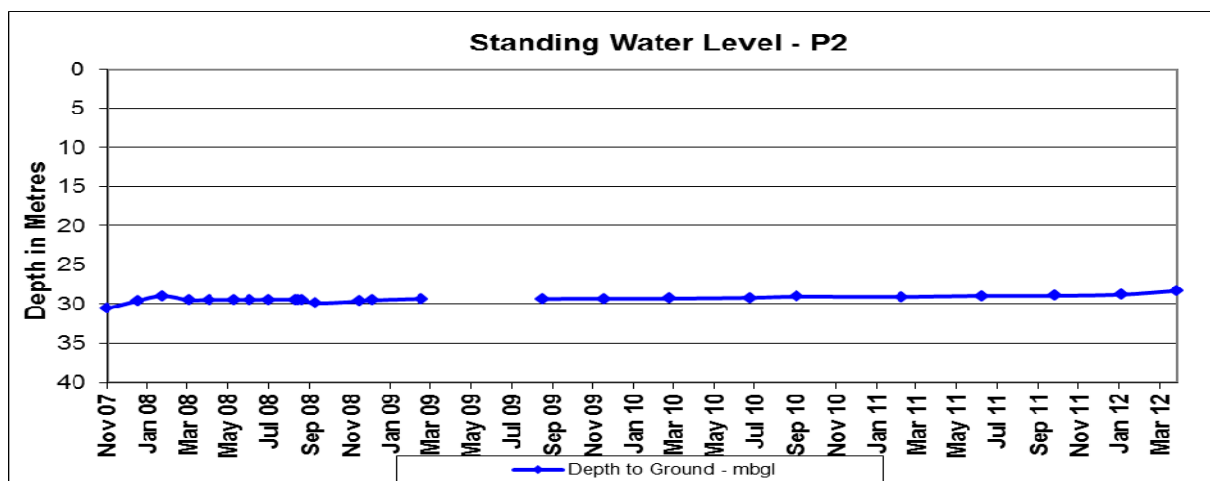
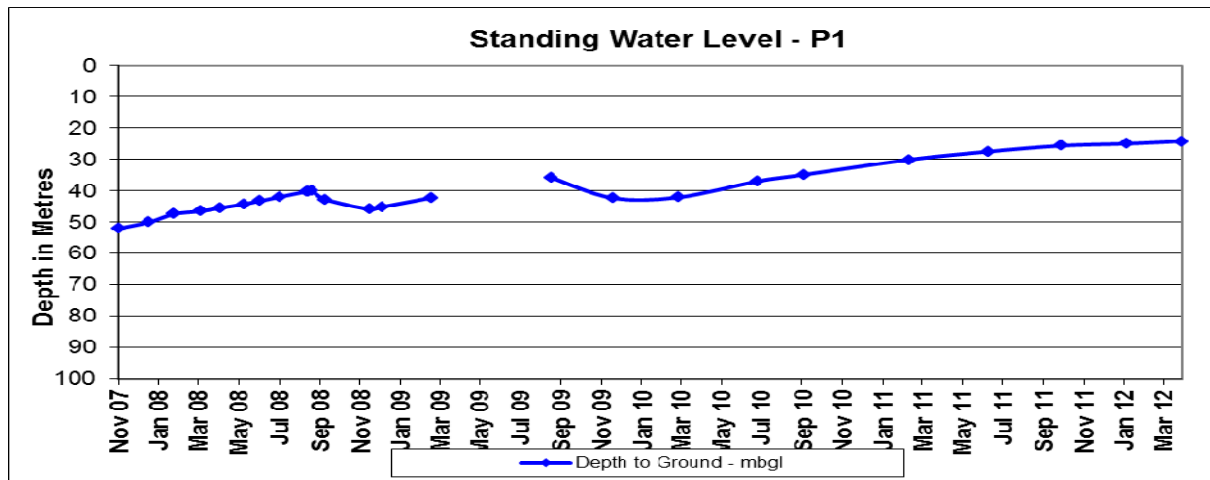


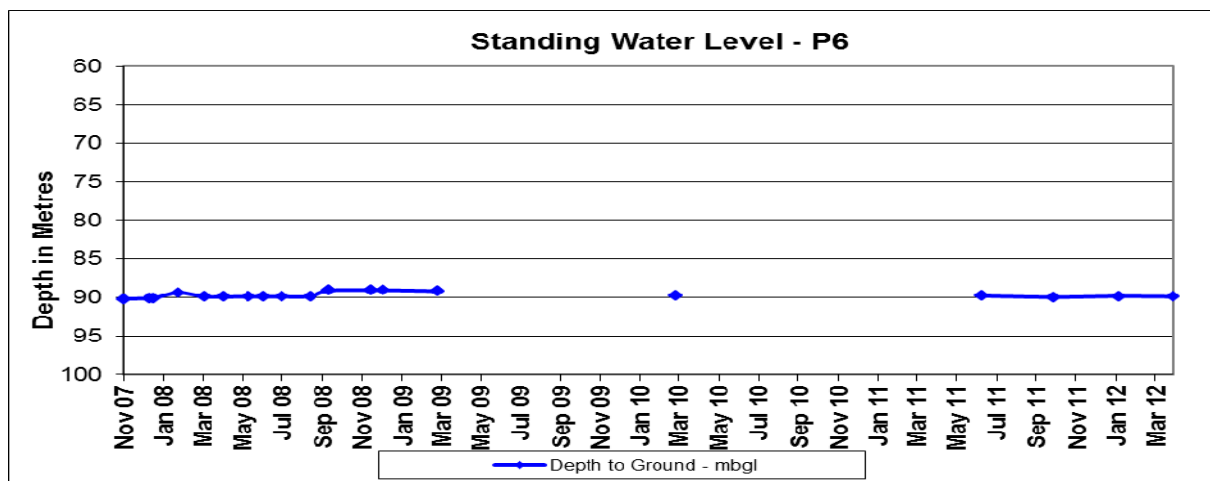
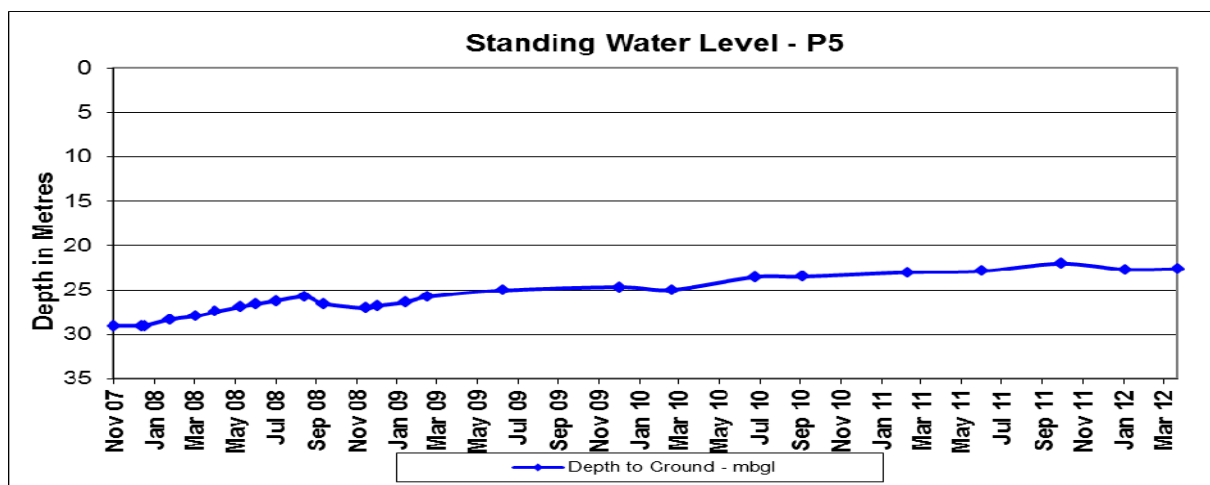
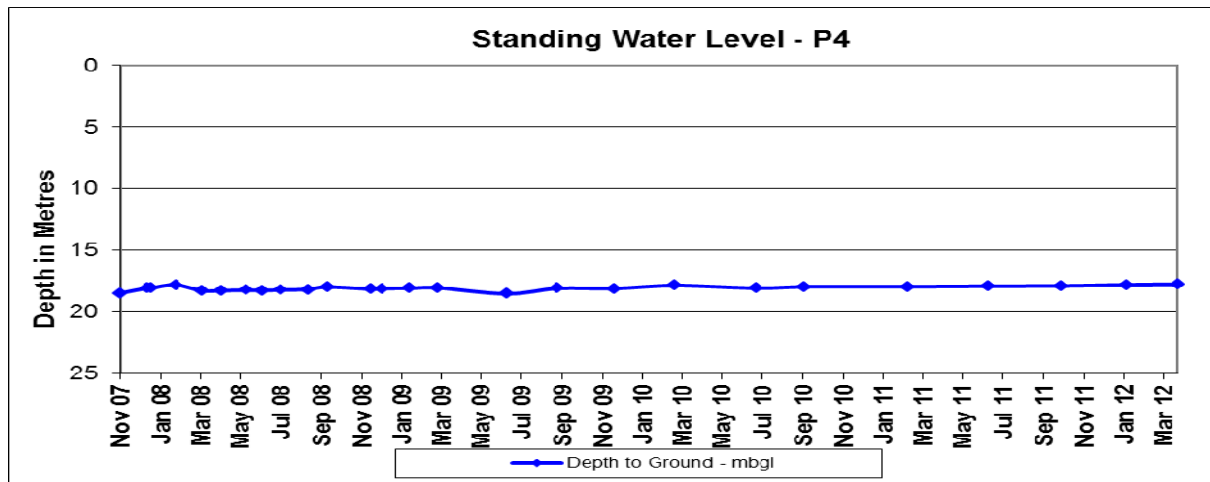
PM₁₀ levels have remained compliant since the last meeting with annual averages at both sites displaying a stabilising trend.

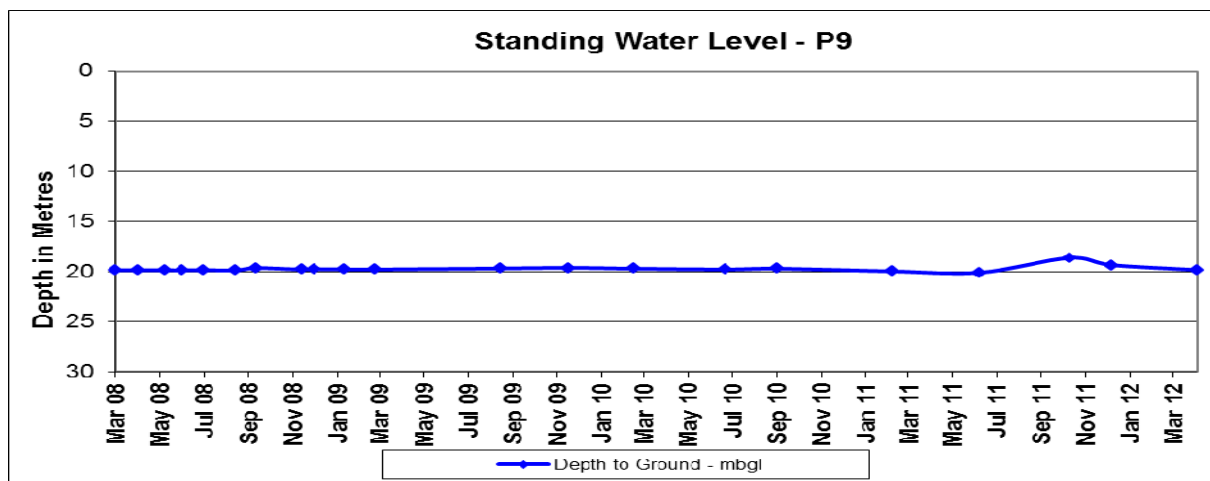
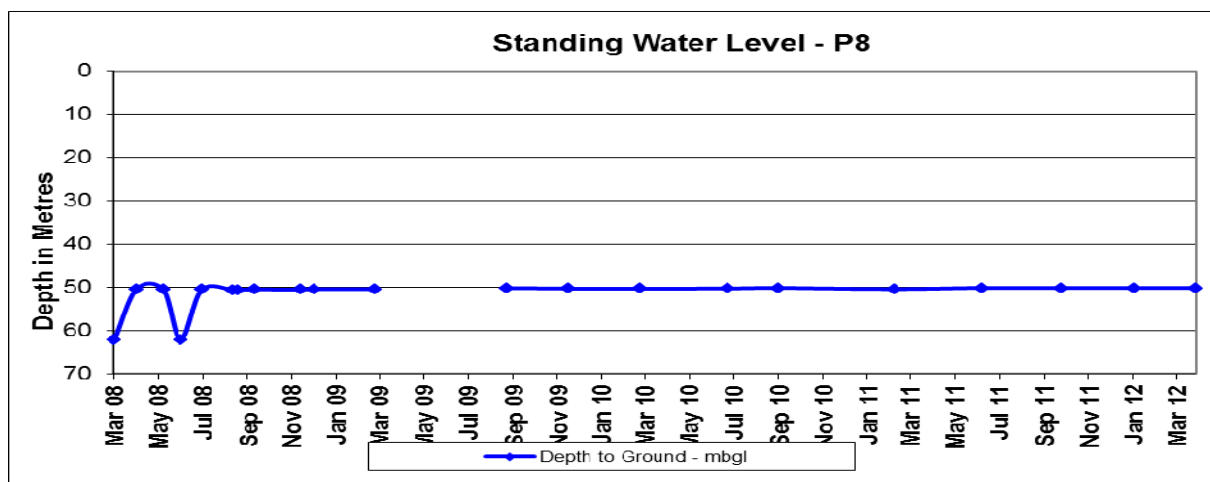
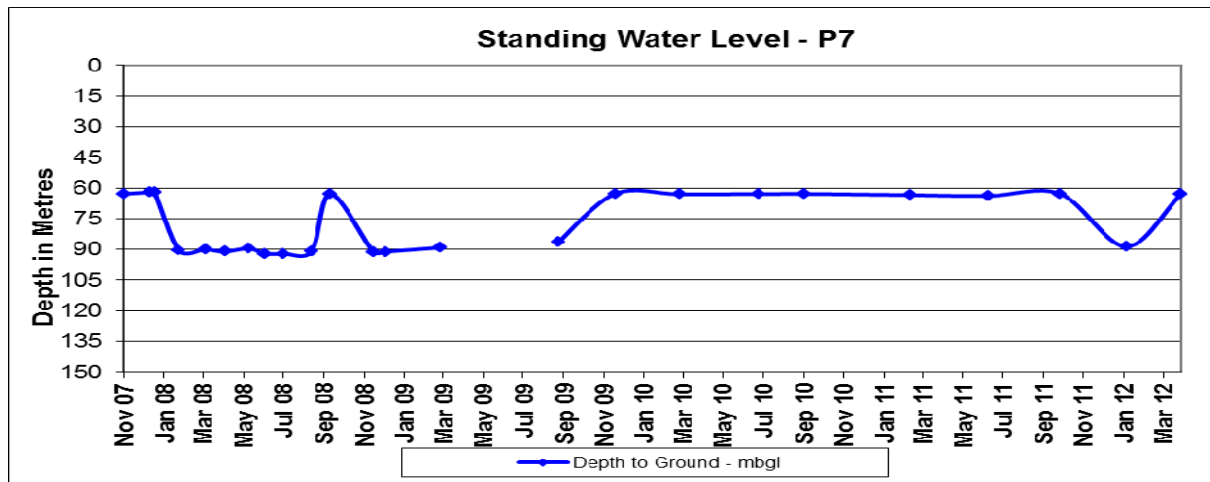
Groundwater Monitoring

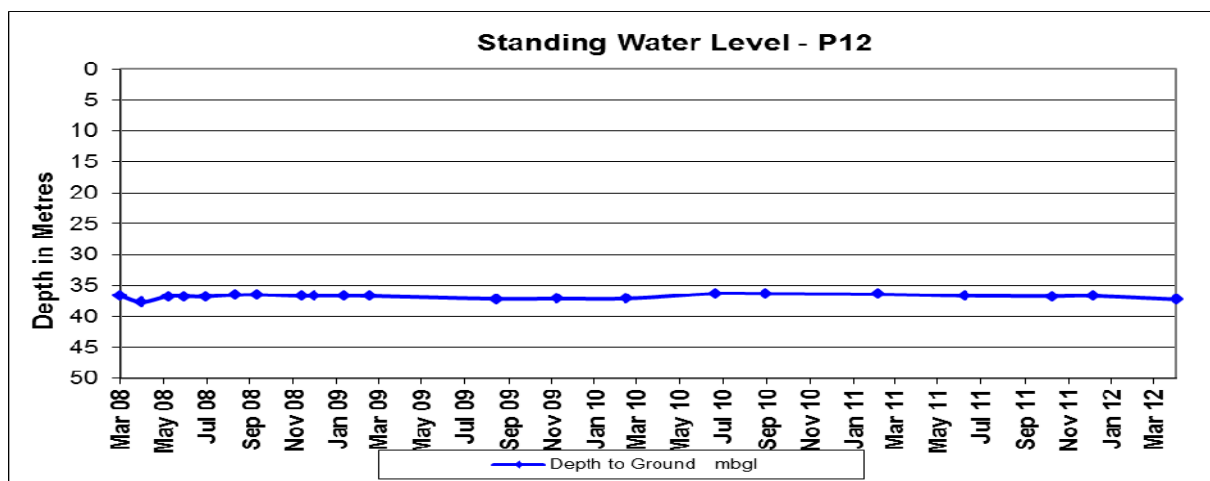
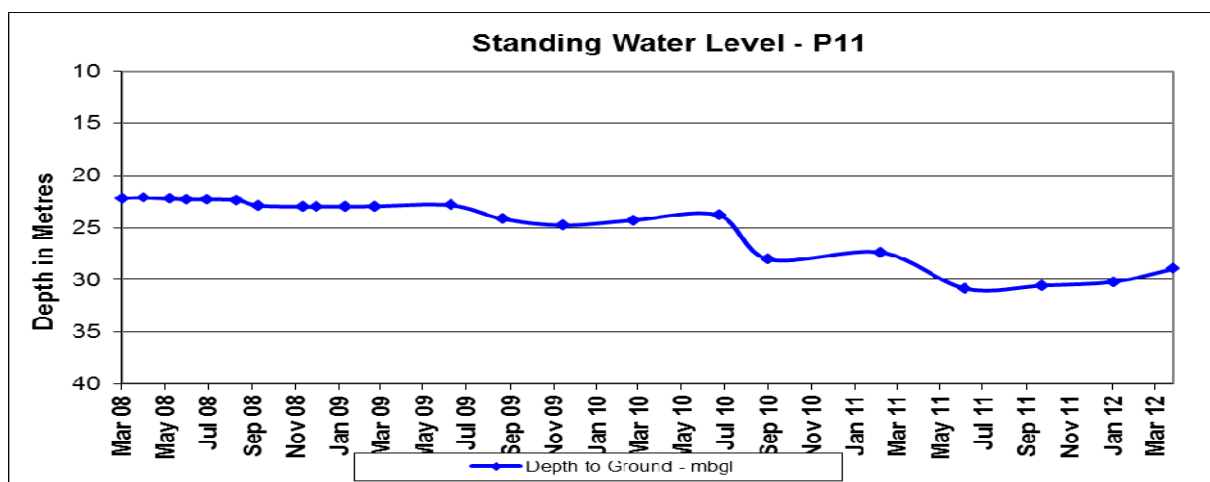
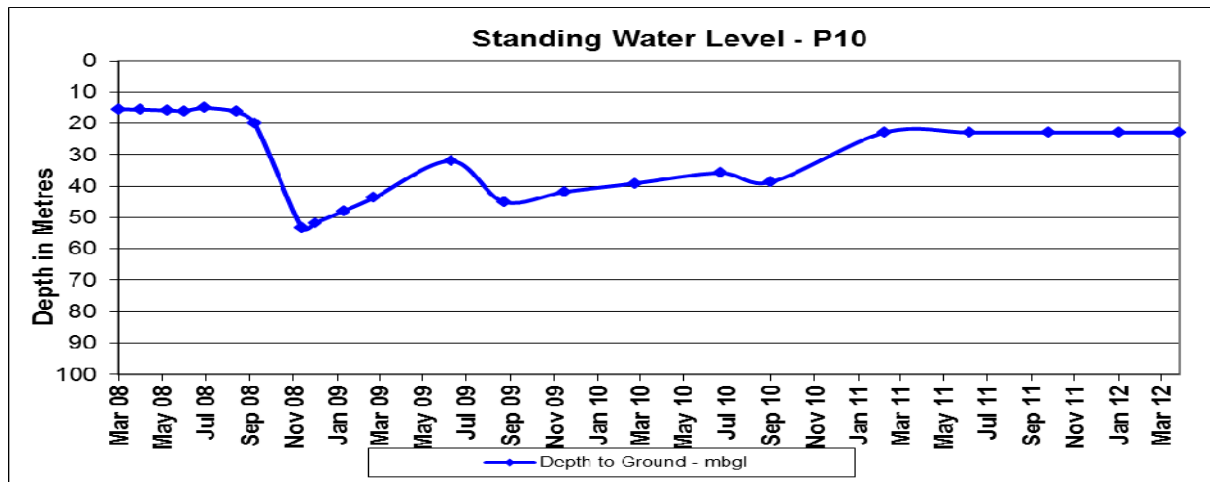
Groundwater monitoring was completed during March and April 2012. Results indicate that groundwater levels are remaining relatively consistent with prior measurements. P7, located in “Jacks Creek State Forest”, was noted as dropping over 15m during the previous sampling period, but has recovered prior to this

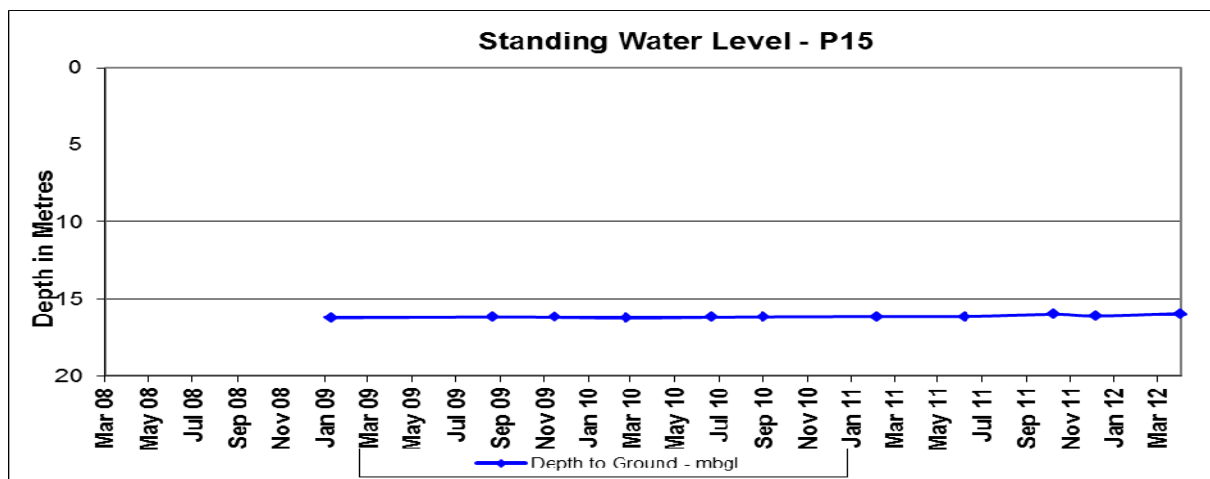
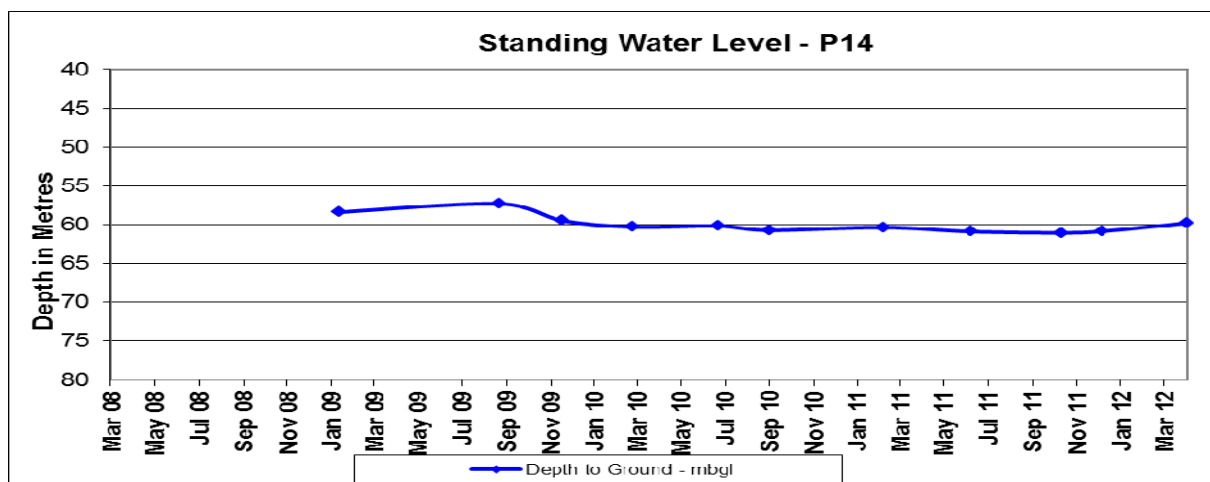
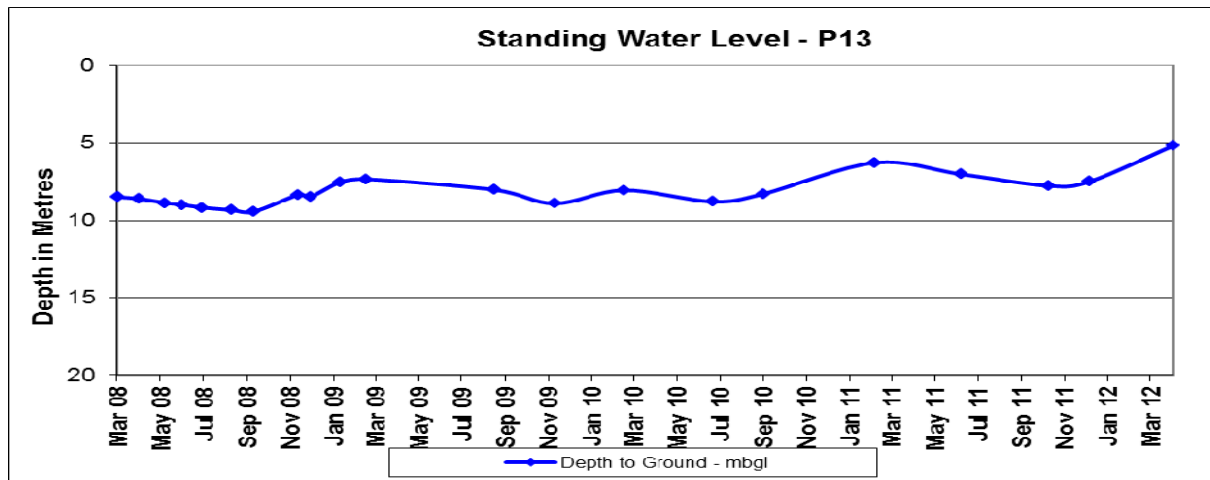
sampling event. P20, located adjacent to Longwall Panel 101, has shown steady decline which would be expected given its proximity to underground workings.

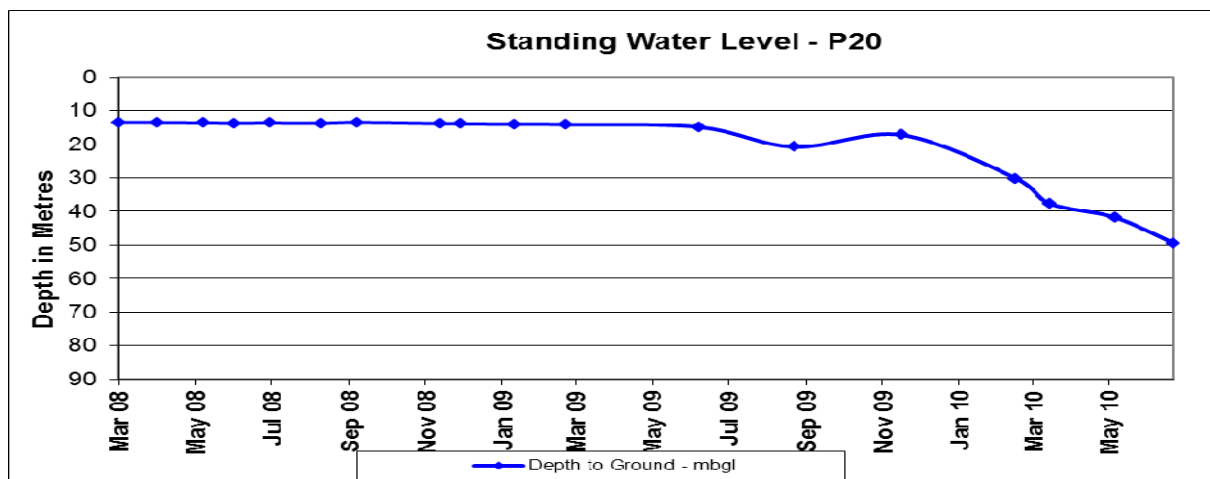
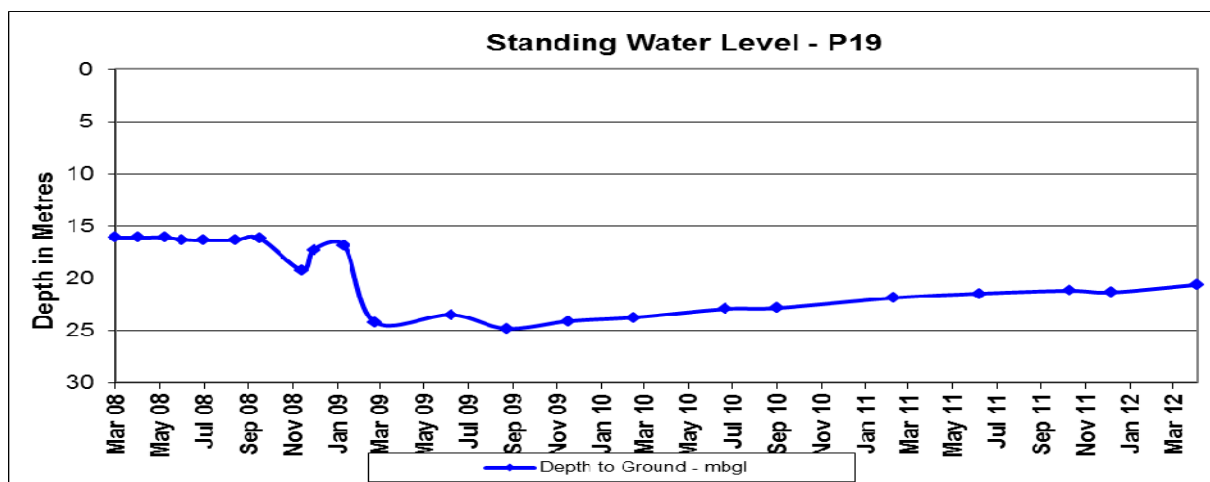
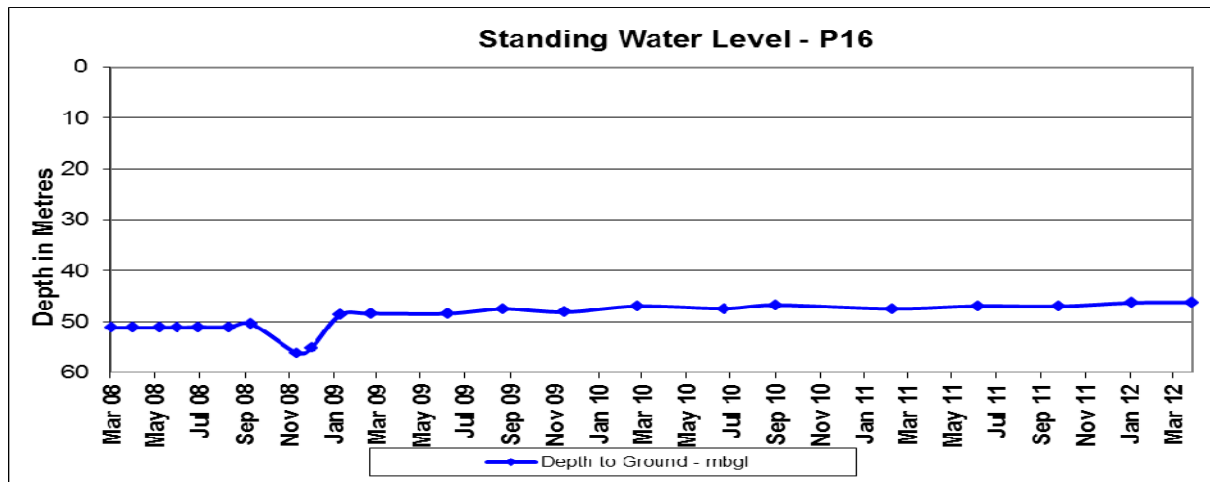












Surface Water Monitoring

No wet weather discharges have occurred during March to May 2012.

Complaints

One formal complaint was received during May 2012. Complaint relating to noise from the site. Noise sources include: hammering, reverse alarms, vehicular / machinery horns, general noise from CHPP and product tripper. Complainant also

noted that it was a very still and cool morning. **Investigation** determined that a continuous miner was located on the surface as it is being off-hired and cleaned. A generator is used to run the miner and it was emitting noise during the morning period. The miner is on tracks and not 'dragged' along the surface. **Actions** - downloaded noise files from the mobile noise monitor. Complainant noted noise from approx. 8am onwards. Listened to noise files for the 8:15-8:30 and 9:15-9:30 periods. Some banging noticeable around 9:16am that may be attributable to site but faint and not likely to be exceeding noise limits. The significant noise sources are either birds or train movements, both not attributable to site operations. Returned call at approx. 2pm to discuss as noises not easily identifiable from site. Complainant said he could definitely hear 'loud' noises from site. We have closely monitored levels recorded through the portable noise monitor and no significant noise sources relating to the mine site have been identified to date.

Environmental Incident(s)

One environmental incident occurred during the March to May 2012 period. The incident involved approximately 10,000 to 15,000 L of water from the pre-drainage water pipe network leaking as it was being transferred to the Pit Top Area. The leak occurred in two places, one contained by a contour bank, the other and most significant leak occurred in a previously farmed paddock. The leak was contained within the paddock and prevented from entering any nearby creeks. Narrabri Mine notified the EPA and the impacted area was immediately cleaned by stripping the impacted soil after the leaked water was recovered via vacuum truck. Within a week the stripped area was remediated with new topsoil and seeded. The leak occurred at a coupling which has now been replaced. All of the remaining couplings, with the exception of one, on the water pipe work of similar type have now been replaced. The last coupling will be replaced by end of this week, i.e. by 15 June 2012.

Previous Incidents – Narrabri Mine has been issued with Penalty Infringement Notices (PINs) from the EPA for four (4) previous incidents. These include: two discharges from SB1 and SB2 (coal processing area) in November 2011 and February 2012; discharge from SB3 in November 2011 (February 2012 incident still being investigated); and water discharge from vertical production well 26.

Corrective Actions – Catchment for SB3 has now been modified to only capture runoff from disturbed area and dam modified to allow more water to be pumped out. SB1 and SB2 have now been upgraded with a combined storage volume of approx. 50ML. A drain has also been installed to direct water from SB1 to SB2 and to exclude all other runoff. VPW26 spill was contained. Procedure updated for accessing wells to prevent re-occurrence.

Community Consultative Committee Meeting Minutes

Meeting No: 18

Date: Wednesday 1st August 2012

Time: 12:30pm

Location: Narrabri Coal Operations Site Office

Present:

Terry Miller - Chairman
Kevin Humphries - Member for Barwon
Ken Bates
Peter Webb
James Stieger
Mark Foster
Greig Duncan (Narrabri Mine General Manager)
Steve Farrar (Narrabri Mine Environmental Officer)
Danny Young (Whitehaven Group Environmental Manager)
Rosemary Hart (Narrabri Mine Administration Assistant)

1.0 Apologies

Cr Cathy Redding, Shane Pegg, Sally Hunter

2.0 Previous Minutes

Moved: Terry Miller

Seconded: James Stieger

2.1 Business Arising from Previous Minutes

2.1.1 Greig Duncan reported 34m of Longwall mining so far and producing 34% of its capacity. Currently fencing off and installing gateways at Longwall panel to limit access.

NCO have applied to Council to close Greylands Road. Ken Bates reported that he was unsure of progress of application through Council.

2.1.2 Proposed new carpark area is being cleaned up at present and construction due to be completed within six to eight weeks.

2.1.3 Steve Farrar informed the meeting that he was currently working on a draft newsletter and any temporary road closures would be included. Further discussions on the surface water issues from late last year and earlier this year would not be included.

2.1.4 Greig Duncan reported that due to decrease in pilfering Whitehaven were not looking to progress development of a Neighbourhood Watch program for the time being. James Stieger commented that he had not heard of any stealing since Riverstone fuel was stolen. Security would continue on a random basis.

3.0 General Business

3.1 Construction Progress Report

Greig Duncan provided the following report on construction progress:-

- Coal Handling Preparation Plant was complete
- Stage 2 Construction Plan mostly complete now that Longwall mining had commenced
- Extension of ROM pad to the north to be undertaken shortly, approved as part of Stage 2.

James Stieger asked if Brine Ponds were part of Stage 2. [Brine dams are included in Stage 2 but will not be constructed until required in several years time].

James Stieger enquired as to present groundwater predictions. Greig Duncan responded that predicted ground water would be recalculated as Longwall progressed and once these calculations had been completed NCO will know the brine produced through RO Plant. The maximum predicted quantity of water to process would be 1400 megalitres per year. At this stage surface water supply has been more than expected as a consequence of above average rainfall.

3.2 Environmental Overview

As per provided report.

NCO will be installing Life of Mine Monitoring Wells around site and across the road.

Kevin Humphries enquired as to the location of the main aquifer. Greig Duncan responded that it was above the coal seam and extended beyond the lease boundary.

James Stieger enquired as to position of surface streams over the Longwall panels. Steve Farrar stated that it was unlikely that surface streams would connect with the underground mine.

James Stieger commented that local streams are running east to West and NCO were cutting coal North to South and asked if this would cause a change to direction of water flow. James Stieger stated that since the railway line and highway had been installed there had been increased surface flow impacts through the Bow Hills property. Steve Farrar said 'gabion cages' could be used in stream if surface flows created additional rilling of the surface. Steve Farrar said that monitoring of surface levels on regular basis using survey equipment and satellite imagery will enable active management of erosion or surface flow impacts that arise during the life of the project..

Greig Duncan said the ground would reach maximum subsidence following three blocks of Longwall and then stabilise in a wavelike effect. James Stieger asked what process NCO can do to ensure stabilisation. [Subsidence behaviour is well understood from many years of mining experience all over the world].

4.0 New Business

Letter has been received from Sally Hunter on 1st August 2012 addressed to CCC Meeting. Each member was allowed time to read letter.

Ken Bates suggested that NCO install Dust Monitors at Baan Baa as soon as possible so baseline measurement data commences now instead of five years time. This would in turn be a good PR exercise for NCO and lift profile. Danny Young responded by saying initial monitoring was conducted by NCO in advance of operations commencing to provide a baseline for comparative purposes. In addition, the EPA continue to look at the option of a regional baseline monitoring network however they have not yet confirmed intent or requirements of coal producers. Terry Miller commented that there was a need to conduct monitoring on a local level so evidence would be relevant and in turn would build community confidence in NCO's activities. James Stieger pointed out that by having dust monitors at Baan Baa it would provide details of dust levels from passing rail wagons.

James Stieger commented that Sally's letter represented the feelings of each of the local CCC members and he stated that when they attended CCC Meetings they felt that NCO were only telling members what NCO wanted them to hear. He also said that Whitehaven were always just making the acceptable limits on analysis results which were the bare minimum effort all the time.

Kevin Humphries stated that he would get one letter a day similar to Sally Hunter's letter and to date he had not received one complaint concerning Whitehaven.

Members requested that CCC role be publicised a lot more in the community. Steve Farrar said NCO were working on a Newsletter which would cover this area.

Terry Miller requested NCO hold six monthly meetings throughout the area involving the wider community. Kevin Humphries indicated that this would be similar to existing groups such as Landcare.

Ken Bates requested NCO submit production figures to CCC Meetings. Steve Farrar and Danny Young will review.

Terry Miller requested that Whitehaven should be actively involved in building homes not temporary accommodation in Narrabri. Ken Bates requested that NCO contact Banks so it was made easier for young people to borrow money for housing loans. Ken Bates said government departments need to look at current data rather than data older than five years old to determine funding for housing.

Steve Farrer tabled Annual Environmental Management Report/Annual Review.

Ken Bates stated that this was his last meeting as Council Delegate and he wished the CCC all the best in future. The meeting in turn wished Ken all the best. No replacement had been selected as yet.

5.0 Complaints and Complaints Hotline

As per provided report.

6.0 Next Meeting

1st November 2012 at 4:00pm, Narrabri Coal Site Office.

7.0 Closure of Meeting

Meeting closed 1:30pm

Narrabri Coal Mine Community Consultative Committee Meeting #18

Environmental Monitoring Report June – July 2012

Noise Monitoring

Attended noise monitoring was undertaken between 20th and 23rd June 2012 (Tables 1-9) and on Sunday 22nd July 2012 (Tables 10-12) to verify if noise levels were within compliance limits. The results from this monitoring are detailed in the tables below.

Table 1 NCM Operational Noise Monitoring Results – 20 June 2012 (day)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Temp Grad (°C/100m)	Identified Noise Sources
N1 Bow Hills	2:50 pm	40	3.1/281	n/a	Traffic (38), birds & insects (32), NCM (31)
N3 Naroo	2:05 pm	39	2.7/290	n/a	Traffic (37), birds (34), NCM (30)
N5 Oakleigh	1:10 pm	30	1.8/281	n/a	Traffic (26), cattle (25), birds & insects (24), NCM inaudible
N6 Newhaven	3:30 pm	31	2.7/281	n/a	Birds (31), NCM (<20)
N7 Merriman	4:30 pm	45	1.9/274	n/a	Traffic (44), birds (40), NCM inaudible
N4 Greylands	4:50 pm	49	2.6/279	n/a	Farm noise (49), birds (35), traffic (33), NCM inaudible

Table 2 NCM Operational Noise Monitoring Results – 20 June 2012 (evening)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Temp Grad (°C/100m)	Identified Noise Sources
N1 Bow Hills	8:36 pm	47	1.9/306	+7.2	Traffic (47), NCM (35)
N3 Naroo	9:01 pm	45	1.9/294	+7.7	Traffic (45), NCM (33), insects (30)
N5 Oakleigh	7:45 pm	38	1.6/300	+6.9	Traffic (38), NCM inaudible
N6 Newhaven	8:02 pm	33	1.9/308	+7.5	Traffic (33), NCM (26)*
N7 Merriman	9:12 pm	45	1.9/295	+7.9	Traffic (45), NCM (21)
N4 Greylands	8:38 pm	40	1.8/298	+7.2	Traffic (39), NCM (31)

*Noise from gas drainage wells

Table 3 NCM Operational Noise Monitoring Results – 20 June 2012 (night)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Temp Grad (°C/100m)	Identified Noise Sources
N1 Bow Hills	10:01 pm	41	1.2/298	+7.6	Traffic (41), NCM (33)
N3 Naroo	11:05 pm	45	0.7/277	+8.0	Traffic (44), NCM (40), insects (37)
N5 Oakleigh	12:11 am	41	0.2/330	+8.1	Traffic (41), NCM (32)
N6 Newhaven	12:20 am	32	1.2/298	+7.6	NCM (32)*
N7 Merriman	11:25 pm	47	0.5/270	+7.7	Traffic (47), NCM (<25)
N4 Greylands	11:05 pm	37	0.4/326	+8.0	Traffic (37), NCM (<25)

*Noise from gas drainage wells

Table 4 NCM Operational Noise Monitoring Results – 21 June 2012 (day)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Temp Grad (°C/100m)	Identified Noise Sources
N1 Bow Hills	1:05 pm	44	5.1/305	n/a	Traffic (41), wind (41), NCM inaudible
N3 Naroo	2:33 pm	47	5.8/305	n/a	Wind (44), traffic (44), NCM inaudible
N5 Oakleigh	11:25 am	44	6.0/307	n/a	Traffic (41), wind in trees (40), birds (35), NCM inaudible
N6 Newhaven	11:15 am	34	6.0/307	n/a	Wind (34), NCM inaudible
N7 Merriman	12:50 pm	45	6.8/305	n/a	Wind (43), birds (39), traffic (37), NCM inaudible

Table 5 NCM Operational Noise Monitoring Results – 21 June 2012 (evening)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Temp Grad (°C/100m)	Identified Noise Sources
N1 Bow Hills	8:30 pm	45	2.7/316	+5.7	Traffic (45), NCM (31)
N3 Naroo	8:45 pm	49	2.8/313	+5.2	Traffic (49), NCM (33)
N5 Oakleigh	9:07 pm	45	3.2/315	+8.3	Cattle (43), traffic (40), NCM (28)
N6 Newhaven	7:55 pm	28	2.0/303	+5.1	Traffic (28), NCM inaudible
N7 Merriman	7:50 pm	35	2.0/303	+5.1	Traffic (35), insects (26), NCM inaudible

Table 6 NCM Operational Noise Monitoring Results – 21 June 2012 (night)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Temp Grad (°C/100m)	Identified Noise Sources
N1 Bow Hills	10:02 pm	40	4.2/313	+8.1	Traffic (40), NCM (31)
N3 Naroo	12:12 am	46	6.2/314	+4.6	Traffic (45), insects (40), NCM (<30)
N5 Oakleigh	11:10 pm	38	3.2/315	+3.6	Traffic (35), insects (33), NCM (31)
N6 Newhaven	10:01 pm	37	4.2/313	+8.1	Insects (35), traffic (32), NCM inaudible
N7 Merriman	11:06 pm	41	4.7/311	+3.6	Traffic (39), insects (36), NCM inaudible

Table 7 NCM Operational Noise Monitoring Results – 22 June 2012 (day)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Temp Grad (°C/100m)	Identified Noise Sources
N1 Bow Hills	12:25 pm	47	4.9/268	n/a	Traffic (47), NCM (32)
N3 Naroo	10:50 am	50	5.5/289	n/a	Traffic (49), birds (44), wind (40), NCM inaudible
N5 Oakleigh	9:40 am	46	6.5/293	n/a	Wind (45), traffic (40), NCM inaudible
N6 Newhaven	9:02 am	43	6.7/292	n/a	Wind (43), traffic (30), NCM inaudible
N7 Merriman	8:01 am	50	7.6/292	n/a	Wind (50), birds (35), NCM inaudible

Table 8 NCM Operational Noise Monitoring Results – 22 June 2012 (evening)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Temp Grad (°C/100m)	Identified Noise Sources
N1 Bow Hills	6:35 pm	47	2.7/258	Lapse	Traffic (47), NCM (29)
N3 Naroo	6:01 pm	37	3.6/240	Lapse	Traffic (35), NCM (31), insects (26)
N5 Oakleigh	6:00 pm	32	3.6/240	Lapse	Traffic (30), NCM (27), insects (22)
N6 Newhaven	7:11 pm	33	1.4/315	Lapse	NCM (33)*
N7 Merriman	6:40 pm	31	2.7/258	Lapse	NCM (30), insects (24)

*Noise from gas drainage wells

Table 9 NCM Operational Noise Monitoring Results – 22 June 2012 (night)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Temp Grad (°C/100m)	Identified Noise Sources
N1 Bow Hills	11:10 pm	46	1.6/299	+3.2	Traffic (46), NCM (35)
N3 Naroo	11:07 pm	38	1.6/299	+3.2	Traffic (38), NCM (30)
N5 Oakleigh	10:01 pm	40	1.6/319	+0.9	Traffic (40), NCM (27)
N6 Newhaven	10:01 pm	29	1.6/319	+0.9	NCM (29)*
N7 Merriman	12:18 am	40	1.7/282	+1.2	Traffic (39), NCM (35)

*Noise from gas drainage wells

Table 10 NCM Noise Monitoring Results – 22 July 2012 (Day)				
Location	Time	dB(A), Leq(15min)	Wind speed (m/s)/ direction ⁰	Identified Noise Sources
Bow Hills	3:22 pm	48	6.6/136	Traffic (46), birds & insects (43), NCM inaudible
Naroo	3:46 pm	59	6.6/123	Birds (59), traffic (43), wind in trees (40), NCM inaudible
Claremont*	4:11 pm	50	5.5/132	Birds (50), sheep (38), NCM inaudible
Westhaven	4:36 pm	39	5.4/124	Birds (37), traffic (32), NCM (30)
Greylands	4:58 pm	53	4.3/136	Birds (53), traffic (32), NCM (<30)

* Correction of 4-8dB to be subtracted from the *mine noise component only* to estimate levels at "Kurrajong".

Table 11 NCM Noise Monitoring Results – 22 July 2012 (Evening)				
Location	Time	dB(A), Leq(15min)	Wind speed (m/s)/ direction ⁰	Identified Noise Sources
Bow Hills	9:18 pm	41	4.4/144	Frogs & insects (41), NCM inaudible
Naroo	8:54 pm	45	4.2/142	Birds (43), wind in trees (40), NCM inaudible
Claremont*	8:29 pm	38	4.2/138	NCM (34) , birds (33), sheep (32)
Westhaven	8:03 pm	35	4.3/132	Birds & frogs (33), NCM (31)
Greylands	7:39 pm	42	4.2/137	Frogs (38), traffic (36), NCM (34) , wind (32)

* Correction of 4-8dB to be subtracted from the *mine noise component only* to estimate levels at "Kurrajong".

Table 12 NCM Noise Monitoring Results – 22 July 2012 (Night)					
Location	Time	dB(A), Leq(15min)	Wind speed (m/s)/ direction ⁰	Temp Grad (°C/100m)	Identified Noise Sources
Bow Hills	11:33 pm	46	3.6/159	+11.6	Train (45), frogs & insects (40), traffic (30), NCM inaudible
Naroo	11:13 pm	35	4.0/150	+14.6	Traffic (34), NCM (28) , frogs & insects (25)
Claremont*	10:49 pm	38	3.1/148	+14.0	NCM (35) , sheep (33), insects (31)
Westhaven	10:23 pm	36	4.2/142	+14.0	NCM (32) , traffic (31), insects (30)
Greylands	10:01 pm	43	4.2/138	+14.6	Train (41), insects (36), NCM (34) , traffic (34)

* Correction of 4-8dB to be subtracted from the *mine noise component only* to estimate levels at "Kurrajong".

The results in Tables 1 to 12 show that, under the operating and meteorological conditions at the times, for the worst case 15 minute compliance measurement periods, the mine noise was at variable levels but exceeded the operational noise criterion at the Naroo monitoring location during the night on June 20.

At this time there was a noise enhancing +8.0°/100m temperature inversion (based on the data from the temperature loggers). As such the elevated noise level was measured under non-compliant atmospheric conditions as per the Project Approval.

The L_1 (1 min) noise from mining did not exceed the 45 dB(A) criterion at any monitoring location during the night periods. As there were no exceedances of any noise criteria no noise management actions were necessary.

The March/April monitoring also assessed the incidence of temperature inversions by placing two temperature loggers, attached to stakes, at different elevations. At the time of measurement, some strong temperature inversions were present, as noted for the noise level recorded at the Naroo property on June 20.

The real time noise monitor is reporting results to date indicating no noise exceedance events attributable to site operations.

Deposited Dust Monitoring

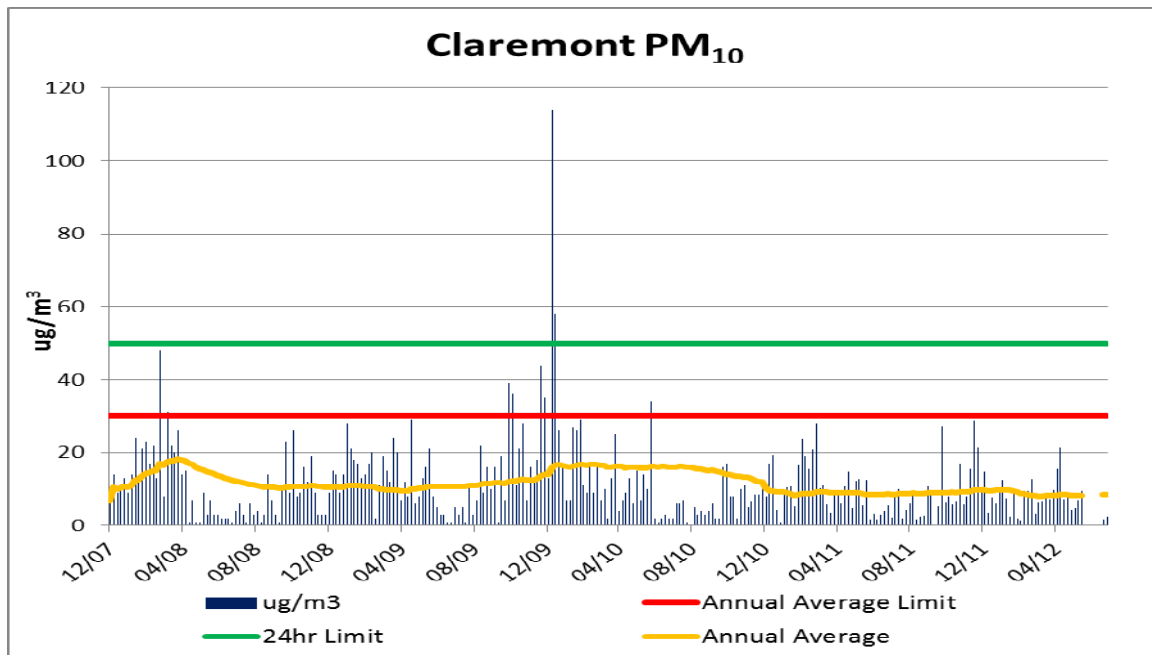
Month	ND1 Turrabaa	ND2 Claremont	ND3 Bow Hills	ND4a New Matoppo	ND5 Claremont	ND6 Willarah	ND7 Claremont	ND8 Claremont	ND11 Oakleigh
Aug-11	0.4	2.3	1.8	1.5	12.4	1.9	1.5	1.2	0.5
Sep-11	0.8	3.3	1.7	0.6	2.9	1.0	1.2	0.6	0.6
Oct-11	1.0	1.5	2.1	0.5	7.5	1.0	2.0	0.7	0.4
Nov-11	5.0	1.0	3.8	0.7	2.9	1.0	1.4	0.7	1.6
Dec-11	4.7	2.8	2.3	2.1	5.7	4.9	1.8	3.5	3.5
Jan-12	3.6	2.2	2.0	0.6	2.5	1.2	1.8	2.0	2.9
Feb-12	0.9	0.9	0.5	1.1	8.1	9.3	0.7	2.1	0.7
Mar-12	1.4	6.7	0.7	3.0	2.8	29.3	2.9	1.6	-
Apr-12	6.7	8.1	2.0	21.6	2.6	8.5	2.4	3.6	0.8
May-12	2.9	10.3	1.5	7.6	3.8	0.4	1.0	6.1	1.3
Jun-12	2.7	3.1	2.0	0.7	12.8	0.5	1.3	0.7	1.8
Jul-12	1.8	1.5	0.8	0.7	4.0	-	1.2	0.5	0.4
Annual Average	2.7	3.6	1.8	3.3	5.7	5.4	1.6	1.9	1.3

Deposited dust results have remained at relatively low levels since the last meeting, with the exception of ND5 “Claremont” and ND6 “Willarah”. The high results reported in August 2011 and June 2012 in ND5 and March 2012 in ND6 has adversely affected the annual average for these gauges. Further investigation into the exceedance reported in ND6 has identified that the majority of the deposited material was organic matter and therefore not attributable to mining operations. All other annual average results have generally declined or remain stable.

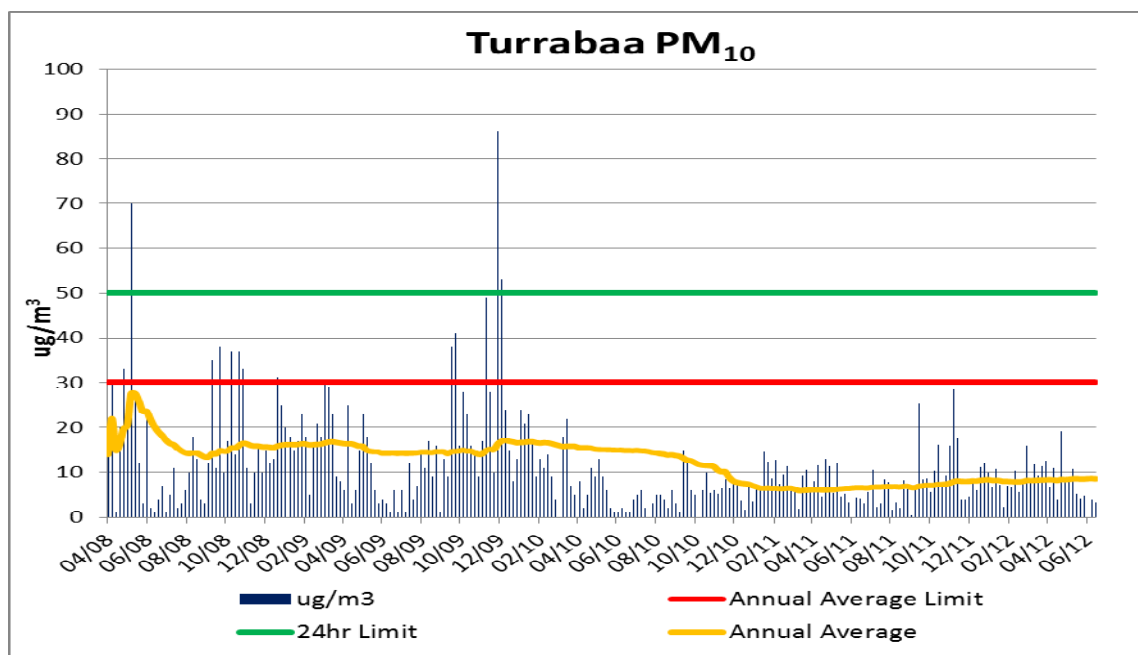
Monitor ND11, located at “Oakleigh”, continues to report results well within compliance limits.

High Volume Air Sampling (PM₁₀)

PM₁₀ measurements taken to the end of June 2012 for the “Claremont” High Volume Air Sampler (HVAS) are returning a running annual average of 8.59 µg/m³ which is well below the annual average limit of 30 µg/m³. The “Claremont” HVAS had some technical issues during June but these issues have been resolved and monitoring is continuing as required.



PM₁₀ measurements taken to the end of June 2012 for the “Turrabaa” High Volume Air Sampler are returning a running annual average of 8.50 µg/m³ which is also well below the annual average limit of 30 µg/m³

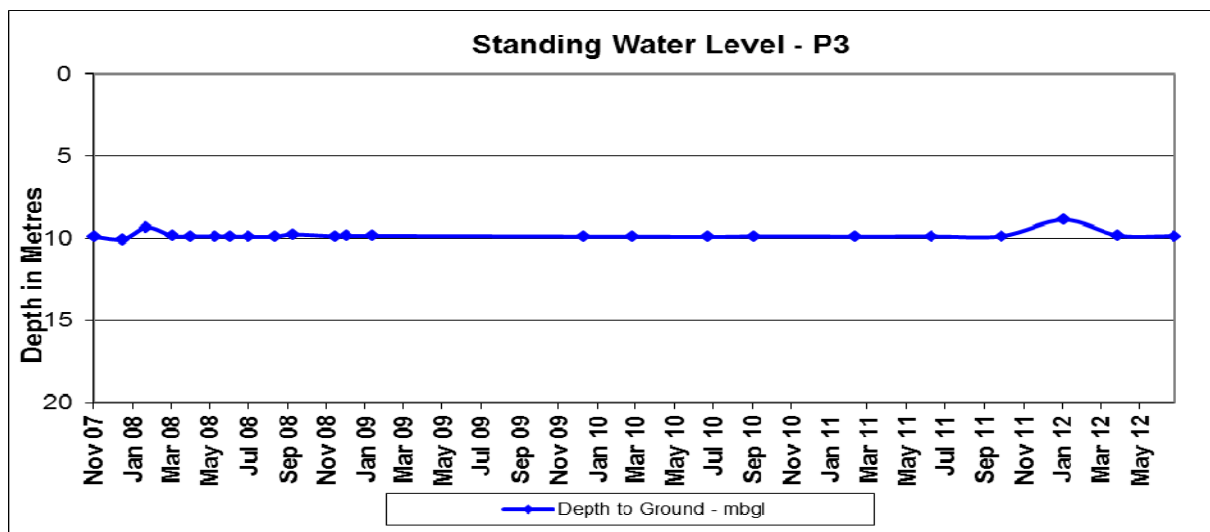
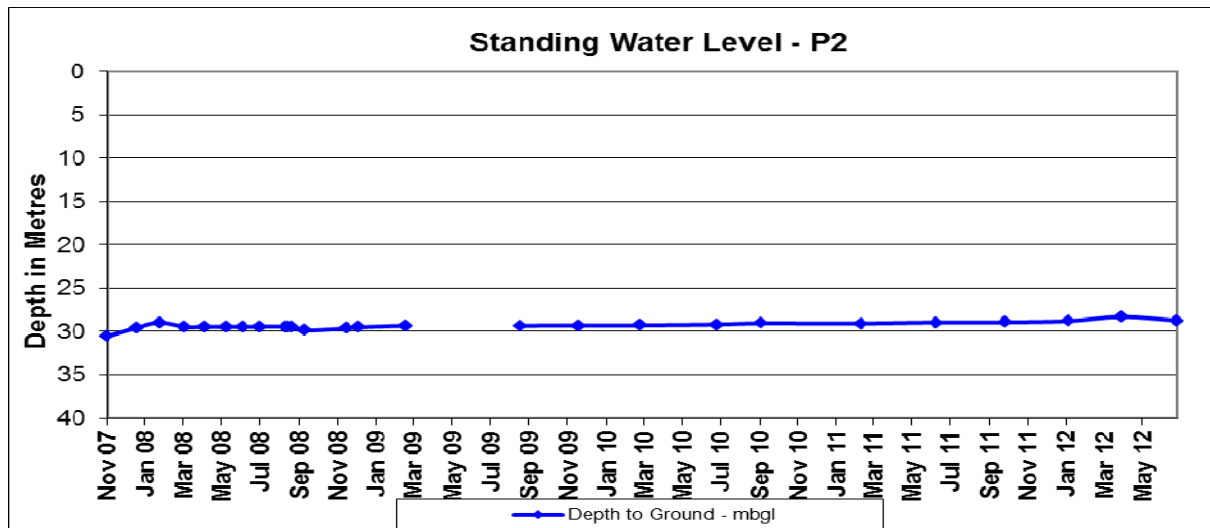
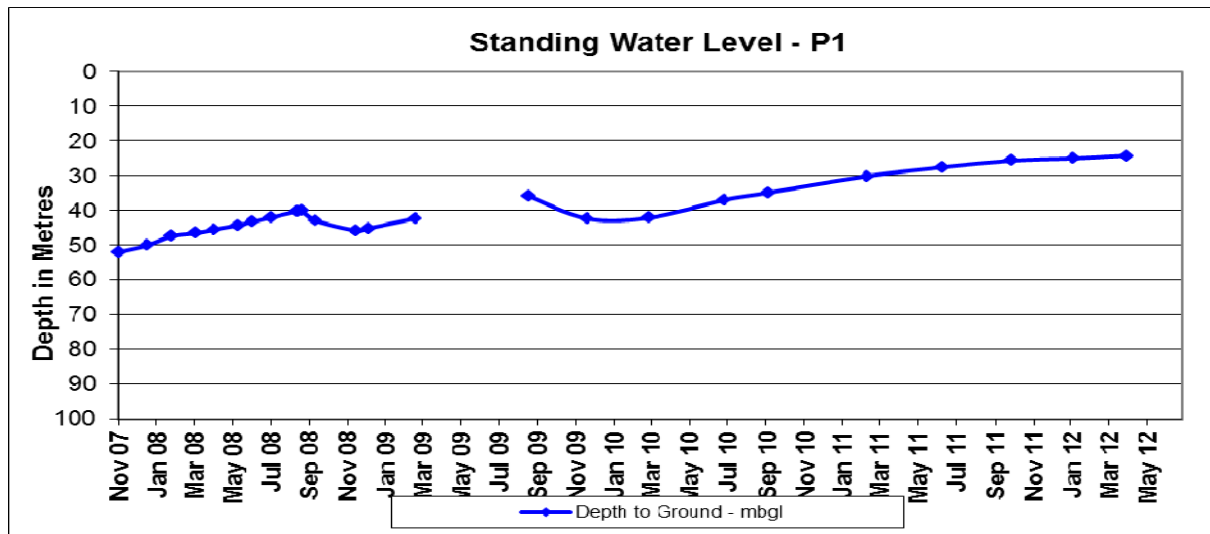


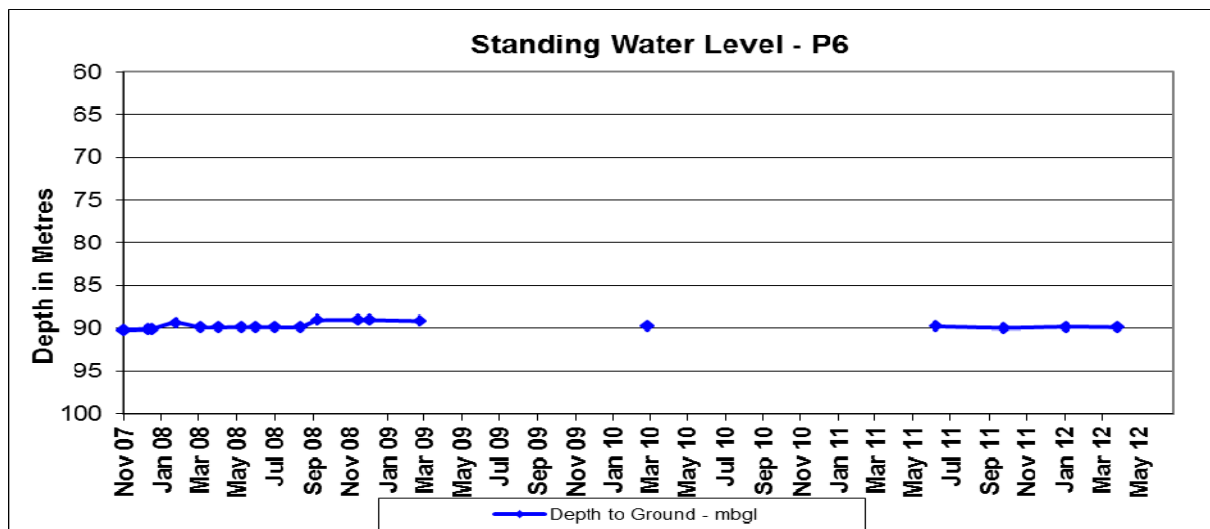
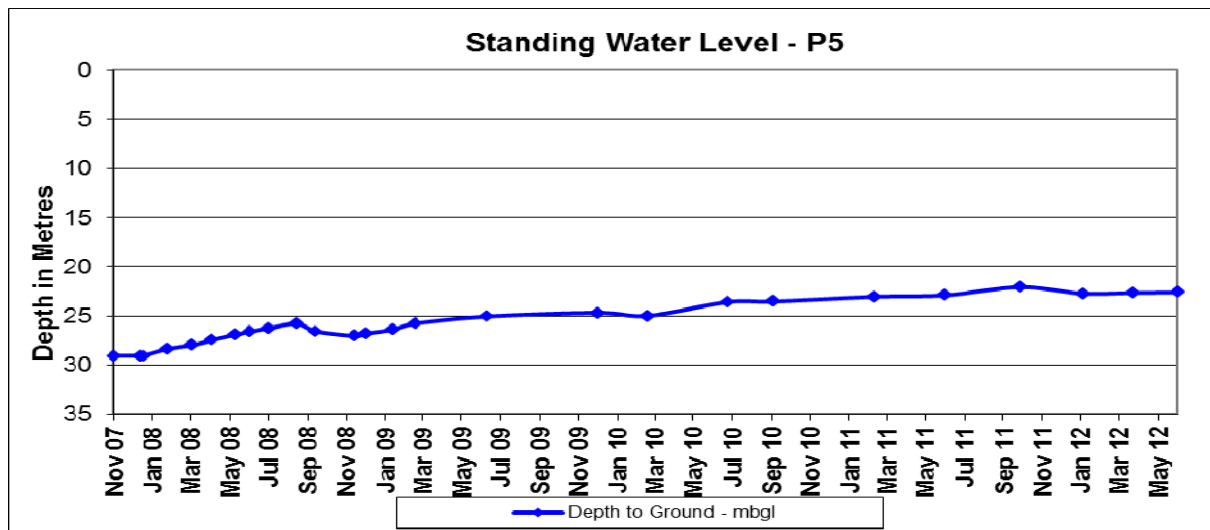
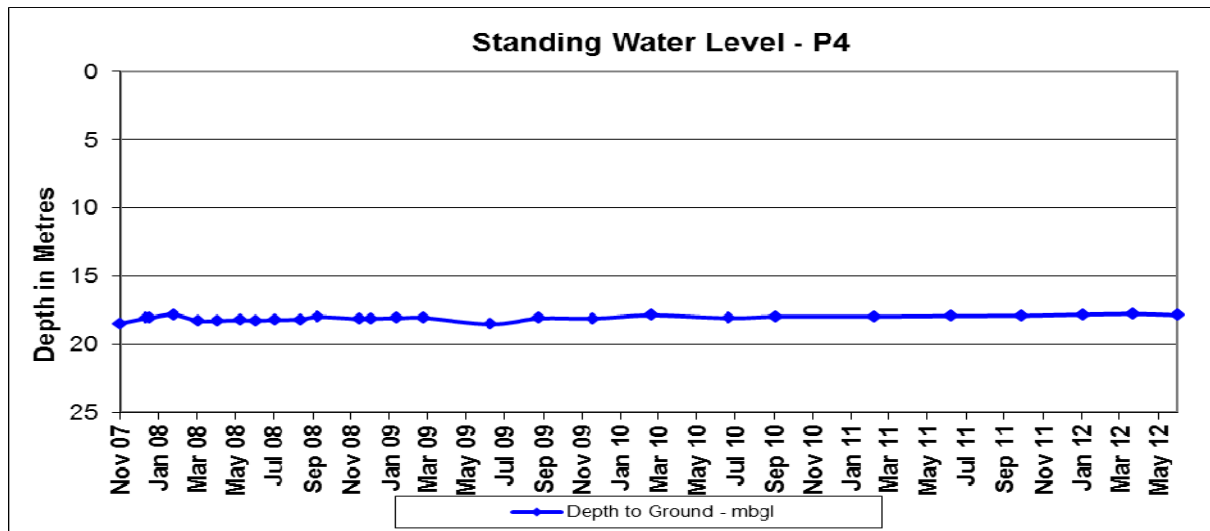
PM₁₀ levels have remained compliant since the last meeting with annual averages at both sites displaying a stabilising trend.

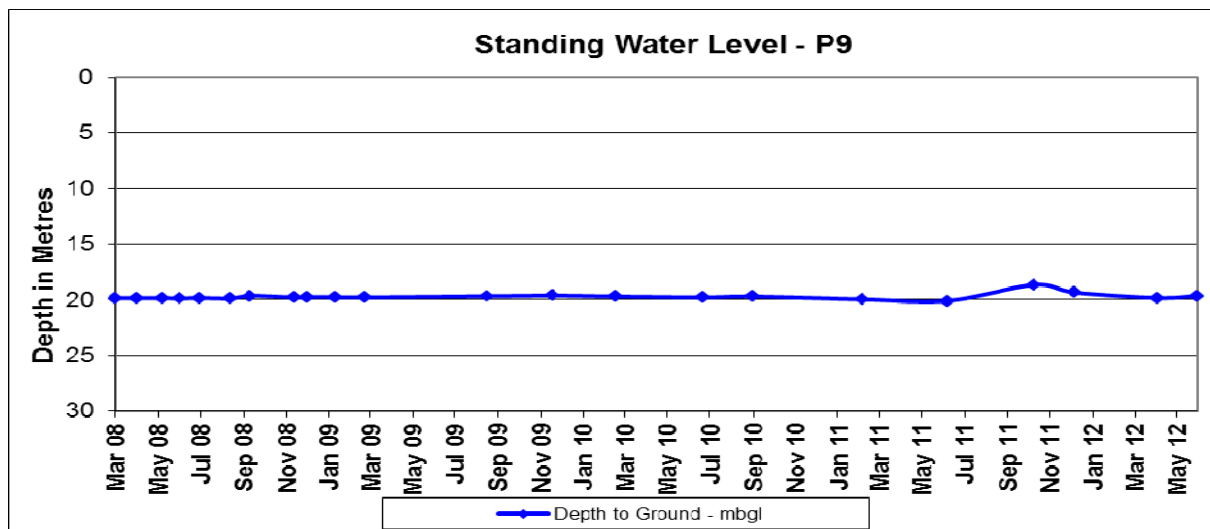
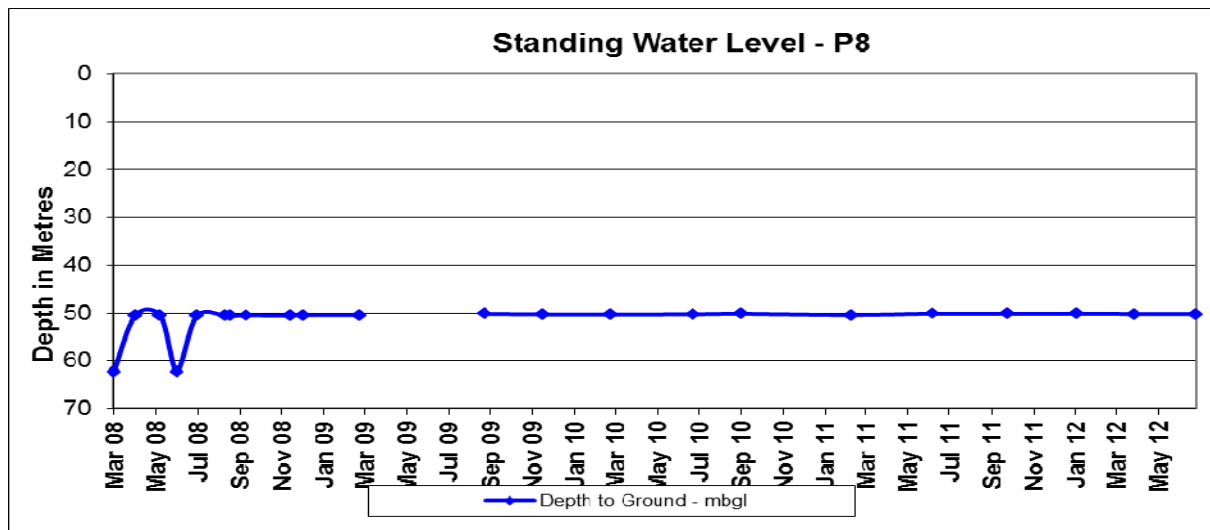
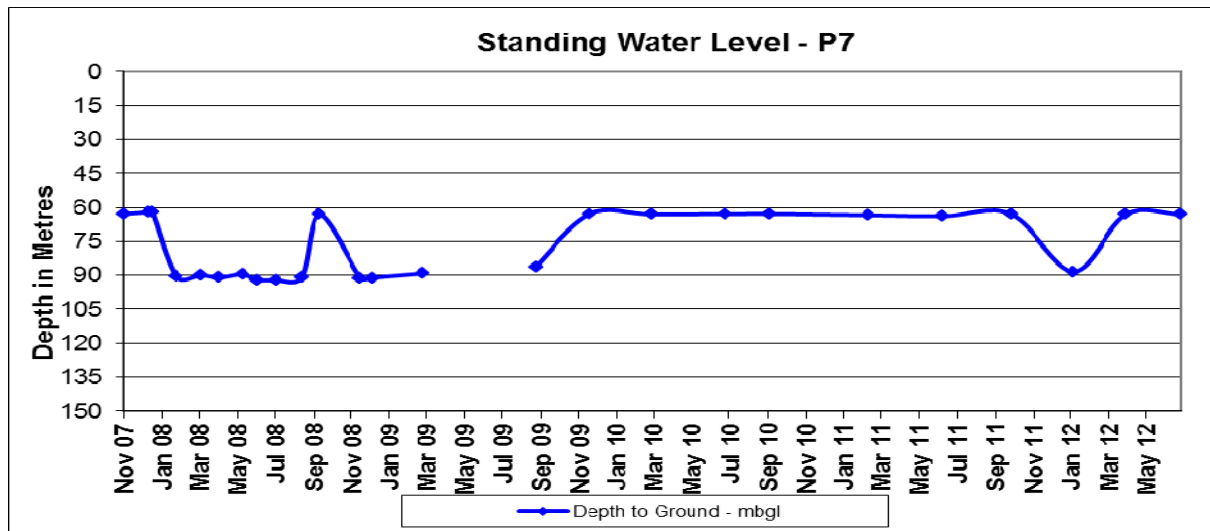
Groundwater Monitoring

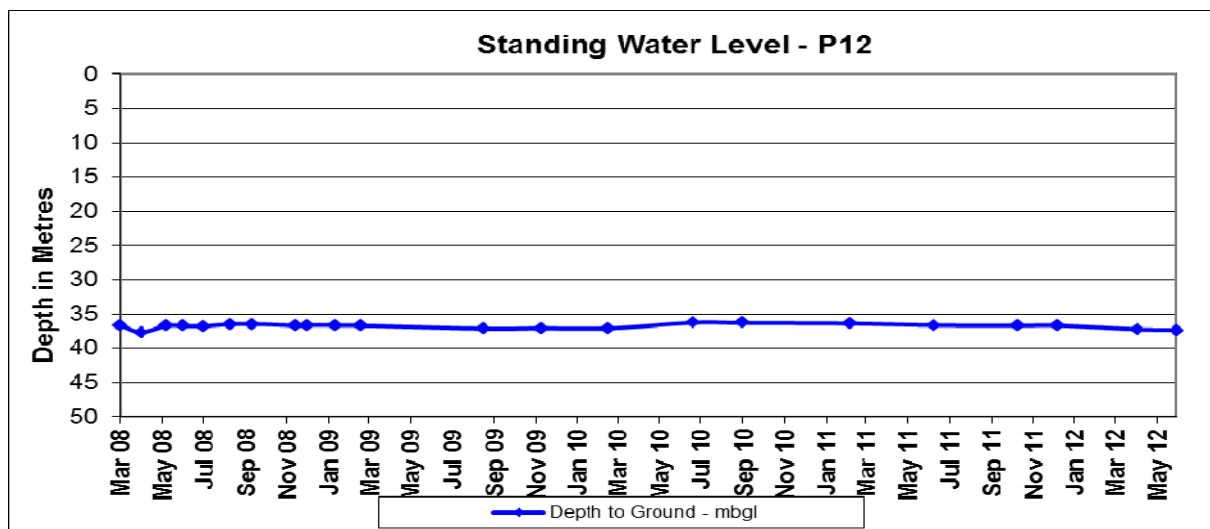
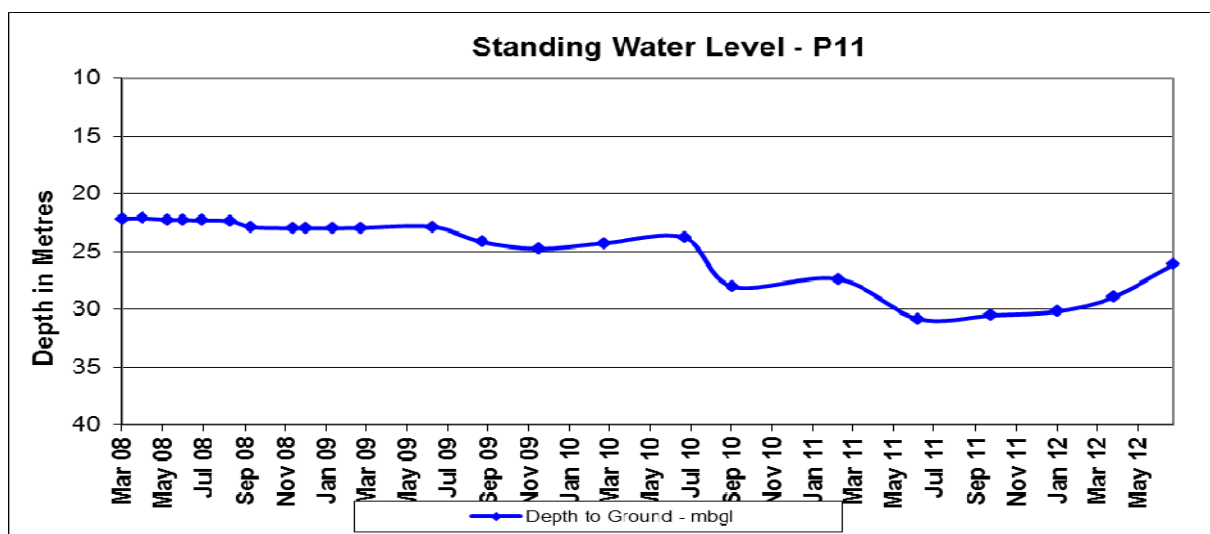
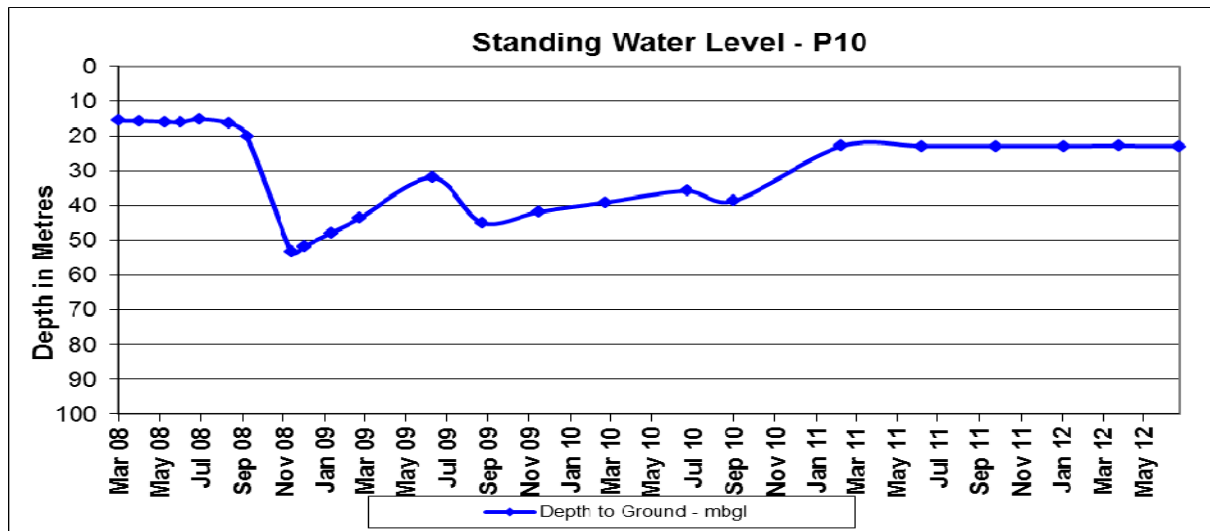
Groundwater monitoring was completed during May and June 2012. Results indicate that groundwater levels are remaining relatively consistent with prior measurements. P7, located in “Jacks Creek State Forest”, was noted as dropping over 15m during previous sampling periods, but has since recovered. P20, located adjacent to

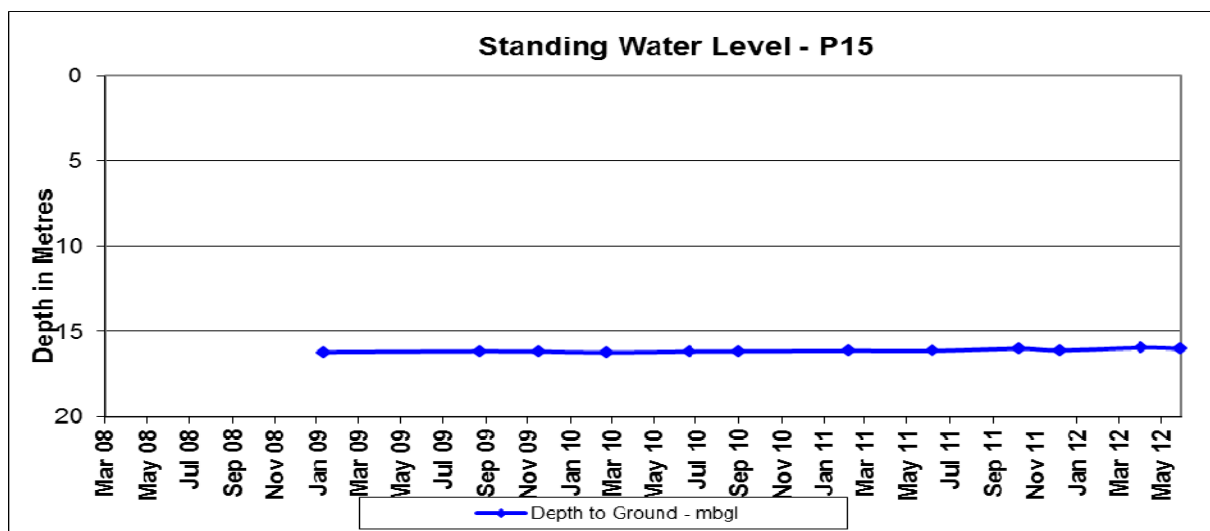
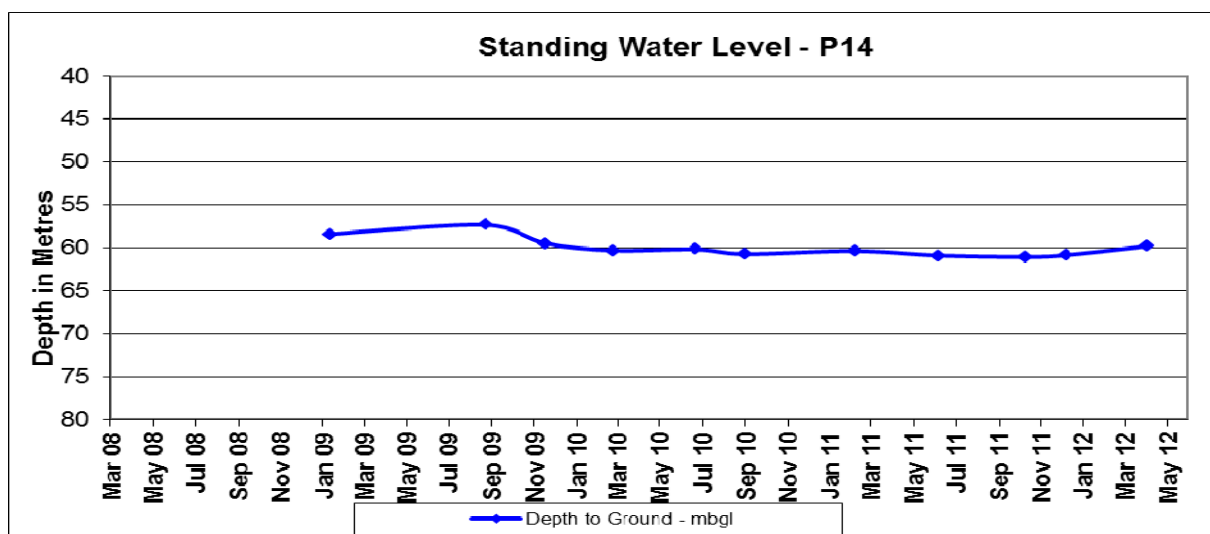
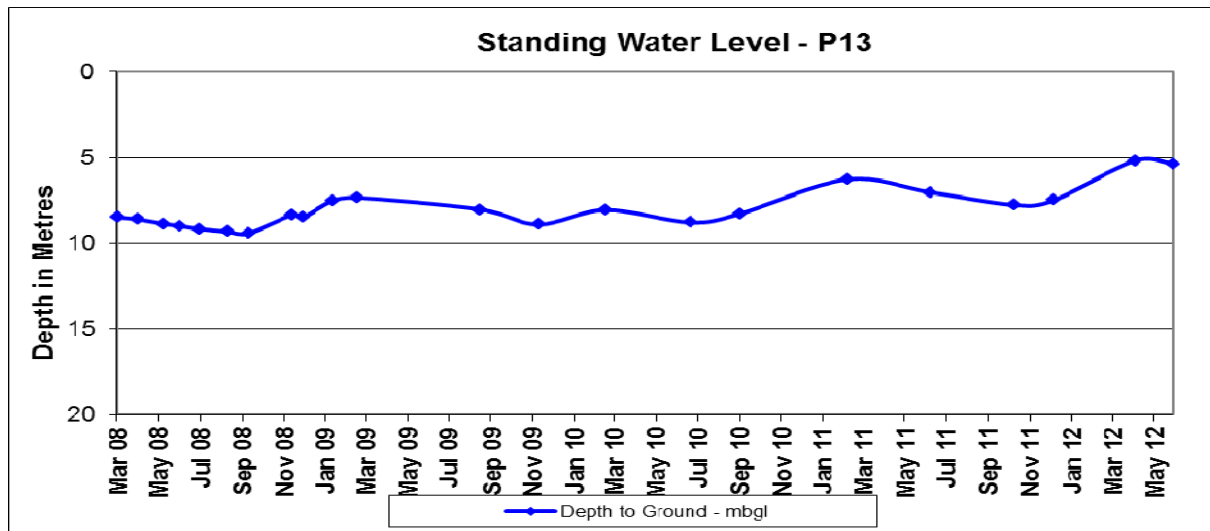
Longwall Panel 101, has shown steady decline which would be expected given its proximity to underground workings.

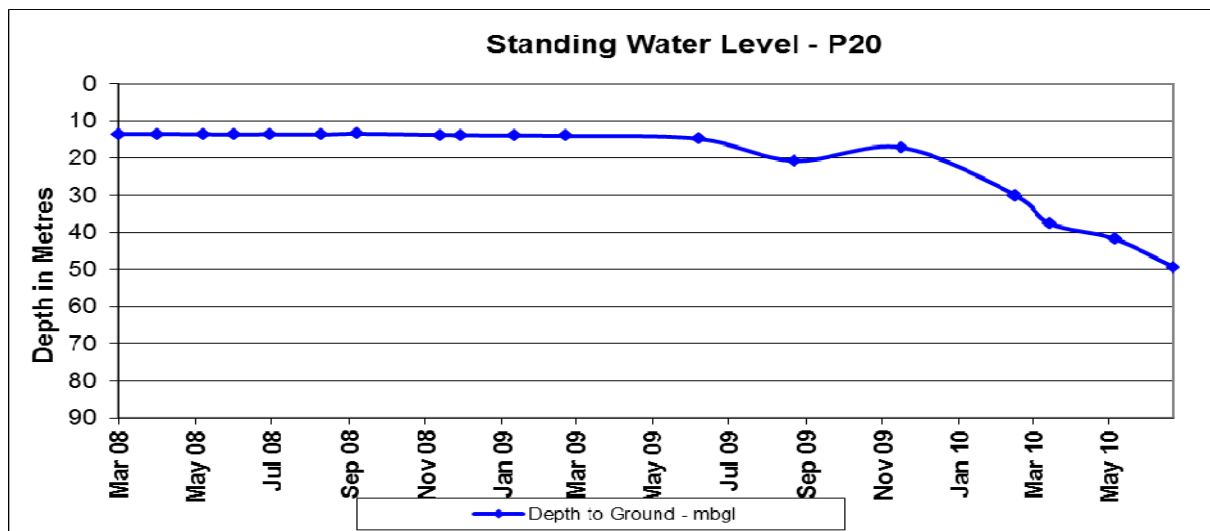
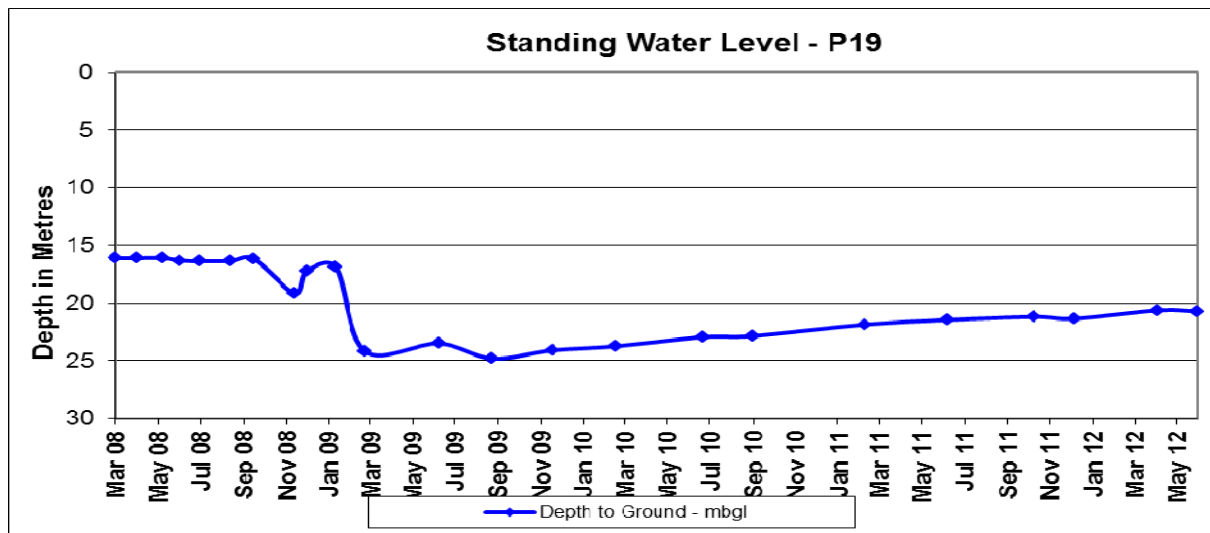
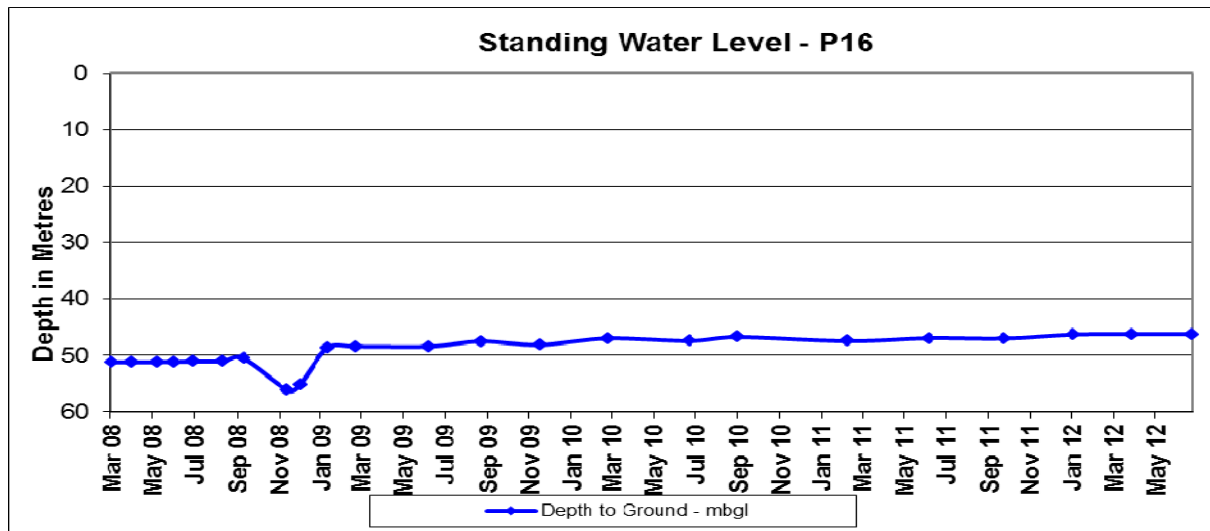












Surface Water Monitoring

A wet weather discharge from licensed discharge points occurred during July 2012. Narrabri Mine's Environmental Protection Licence (EPL) outlines the limits for the following water quality parameters: Oil and Grease – 10mg/L; pH – 6.5-8.5; and Total Suspended Solids – 50mg/L (no limits are set for Total Organic Carbon (TOC) or Electrical Conductivity (EC)). It is important to note that the EPL also outlines that if 38.4mm of rain falls within a consecutive 5-day period that these limits can be exceeded, which was the case for the discharge event.

Table 1: Discharge Water Quality – 25th November 2011

Site	Date	Time	pH	EC (us/cm)	TSS (mg/L)	TOC (mg/L)	Oil/Grease (mg/L)
SD5	12/07/2012	1615	7.33	98	122	16	<5
SD2	13/07/2012	1100	7.83	205	20	21	<5

Flows were also monitored in surrounding creek points on the 4th June and 12th & 13th July 2012.

As required by the EPA for all sites in NSW with an EPL, monitoring data is added to our website monthly, within 14 days of the end of the month.

Complaints

No complaints were received during June and July 2012.

Environmental Incident(s)

No environmental incidents occurred during June and July 2012.

Community Consultative Committee Meeting Minutes

Meeting No: 19

Date: Thursday 1st November 2012

Time: 4:30pm

Location: Narrabri Coal Operations Site Office

Present:

Terry Miller (TM) - Chairman
Cr Cathy Redding (CR)
James Stieger (JS)
Mark Foster (MF)
Steve Bow (SB) (Narrabri Mine General Manager)
Shane Pegg (SP) (Technical Services Manager)
Steve Farrar (SF) (Narrabri Mine Environmental Officer)

1.0 Apologies

Peter Webb, Sally Hunter, Danny Young

2.0 Previous Minutes

Moved: Mark Foster

Seconded: James Stieger

2.1 Business Arising from Previous Minutes

2.1.1 Newsletter – need to get out. Should include community related info such as site security, production info, new staff (JS). Should also be 6 monthly and communicate CCC info so people are aware of committee and what they do.

2.1.2 Letter provided to CCC from Sally Hunter:

Baseline dust monitoring requested at Baan Baa. SB has some reservations as baseline studies done as part of the project approval process. SB acknowledged that the site does make dust but it is currently within compliance limits. Current monitoring has 11 sites including 1 at Oakleigh and 1 at Bow Hills. TM highlighted complaints of black dust in town. SB outlined he would be surprised if dust in town originated from this mine. TM pointed out that additional monitoring would help public perception. JS acknowledged results but also noted that an increase at his residence has occurred and black dust is settling at his house. SB said to leave it with him and he will investigate further.

Housing acknowledged. NCO purchasing properties in town. Money from Maules Creek project approval to go to local Maules Creek and Boggabri communities. MAC village approved at Boggabri also.

2.1.3 Closure of Greylands Road now in place as temporary measure until management plan, currently with Council, is approved. Road will be closed for up to 3 months to allow for remediation. JS outlined that max predicted subsidence is 2.44m. CR asked if Council was the hold up with Greylands Road. SP outlined that Council requested an update on how properties would be accessed when Greylands Road is closed. SF indicated that this was included in the management plan to be approved. SP said this was the hold up and the reason the temporary closure under a traffic control plan was in place.

2.1.4 Car park now complete and in use.

3.0 General Business

3.1 Operations Progress Report

TM asked why drill rig signs moved on Kamilaroi Highway. SP pointed out that they are for emergency vehicle access in case of an emergency and as Greylands Road is now temporarily closed access is via the main gate.

CCC requested tour of subsidence area. SP to organise for next meeting.

SB outlined construction almost complete. ROM pad extension is in final design stage but likely to be delayed due to financial constraints.

Bypass stacker due for completion in April 2013.

Switch station across the road to go in. JS said land transfer complete. JS outlined that the line is the 'back feed' to Boggabri.

Exploration – southern area exploration program. Began talks with residences for access agreements but program now on hold due to financial constraints as NCO trying to defer costs.

SP outlined that longwall now at 370m of retreat. Target for operations is to produce 600k t a month. Longwall currently at 1,700t/hr, target is 2,500t/hr. Longwall operating at ~50% at the moment.

SB – surface works currently winding down due to financial constraints.

SB – 50 contactors now offsite due to financial constraints. Aiming to have a local workforce. 'Cleanskin' inductions currently underway, due to commence work in December with another round to be done March/April next year.

JS asked if workforce would be split with Maules Creek project. SB explained that it is a different skill set and employees would be required for both operations. JS asked about the employees at Sunnyside now it has been closed. SB said that some are going to Werris Creek and NCO would likely get a couple as only 14 staff there.

TM asked about the training centre in Narrabri. SB said Whitehaven had interests in both Gunnedah and Narrabri shires hence is supportive of both. SB was not sure of Whitehaven's official position, but would find out and respond. Naturally from NCO's viewpoint Narrabri is preferable. CR said submission for Narrabri is next Thursday and would appreciate feedback from the mine to go with submission. SB responded with Whitehaven's official position.

3.2 Environmental Overview

As per provided report.

1 noise exceedance at Bow Hills but measured under non-compliant weather conditions and therefore not an exceedance of the criteria defined in the project approval.

JS noted train noise at his residence in early morning following rain is excessive.

SF handed out NSW Planning factsheet "Mine Dust and You" to the CCC for background info.

Water identified in bores surrounding rail loop. NCO to investigate further.

Discussed coal coming off of product tripper. Suggested to move tripper back or to only discharges on high stockpiles in windy conditions. JS noted at Grain Corp they couldn't establish a chute arrangement that worked to limit dust emissions.

4.0 New Business

CR advised that new regulations relating to CCC's require an independent chair based on her experience on the Santos and Boggabri Coal CCC's. SB pointed out that these are new approvals and the requirements may be different. TM also pointed out that he is an independent chair as required by the CCC guidelines. NCO to investigate if there are any new requirements.

TM requested safety performance reporting be included in CCC meetings from this point forward. SB indicated that this would not be a problem.

SB asked if members could identify items to be addressed in the newsletter, items identified included: production info, photos, cleanskin program and employment info.

TM asked if NCO could organise an open day in October 2013 to coincide with the Campervan and Motorhome Club of Australia (CMCA) national rally to be held in Narrabri. The open day could be used to promote the shire and highlight the role of industry in the shire. SB said he would look at options. JS indicated that this would make it 2 years since the last open day. TM also indicated that it would be a good promotion for the company and for the shire. CR said to contact Penny Phelps at the Tourist Information Centre for info.

5.0 Complaints and Complaints Hotline

As per provided report.

MF indicated that on at least one occasion a train parked in the rail loop prior to exiting after being loaded was parked in a position that triggered the boom gates at the crossing and he had to wait ~23 minutes for the train to depart. NCO to follow up.

6.0 Next Meeting

Wednesday 30th January at 4:00pm, Narrabri Mine Site Office. Committee agreed to change day of meeting from a Thursday to a Wednesday.

7.0 Closure of Meeting

Meeting closed at 5:30pm.

Narrabri Coal Mine Community Consultative Committee Meeting #19

Environmental Monitoring Report August – October 2012

Noise Monitoring

Attended noise monitoring was undertaken on Sunday 5th August 2012 (Tables 1-3) and between Tuesday 25th and Thursday 27th September 2012 (Tables 4-12) to verify if noise levels were within compliance limits. The results from this monitoring are detailed in the tables below.

Table 1 NCM Noise Monitoring Results – 5 August 2012 (Day)				
Location	Time	dB(A), Leq(15min)	Wind speed (m/s)/ direction°	Identified Noise Sources
Merriman	5:33 pm	49	2.0/238	Traffic (49), NCM inaudible
Bow Hills	5:02 pm	47	2.4/295	Train (44), traffic (43), NCM inaudible
Oakleigh	4:36 pm	35	2.4/264	Cattle (34), traffic (30), NCM inaudible
Naroo	4:10 pm	44	3.0/265	Traffic (44), NCM (33)
Claremont	4:34 pm	38	2.4/264	Sheep (38), NCM inaudible
Westhaven	4:57 pm	37	2.4/295	Birds (36), NCM (31)
Newhaven	5:21 pm	41	2.0/251	Birds (41), traffic (25), NCM inaudible
Greylands	5:42 pm	32	2.2/239	Birds (31), traffic (25), NCM inaudible

Table 2 NCM Noise Monitoring Results – 5 August 2012 (Evening)				
Location	Time	dB(A), Leq(15min)	Wind speed (m/s)/ direction°	Identified Noise Sources
Merriman	9:00 pm	50	2.3/268	Traffic (50), NCM (27)
Bow Hills	8:33 pm	40	2.3/256	Traffic (38), frogs & insects (33), NCM (32)
Oakleigh	8:02 pm	35	2.9/239	Traffic (35), NCM (25)
Naroo	9:07 pm	47	2.1/279	Train (46), traffic (38), NCM (33)
Claremont	8:44 pm	31	2.0/263	Sheep (31), NCM (<20)
Westhaven	8:20 pm	36	2.5/251	NCM (35) , insects (27)
Newhaven	7:57 pm	32	2.9/239	NCM (32)
Greylands	9:24 pm	31	2.0/282	NCM (31) , traffic (25)

Table 3 NCM Noise Monitoring Results – 5 August 2012 (Night)					
Location	Time	dB(A), Leq(15min)	Wind speed (m/s)/ direction°	Temp Grad (°C/100m)	Identified Noise Sources
Merriman	10:51 pm	41	2.1/306	>+5	Traffic (41), NCM (31)
Bow Hills	10:26 pm	46	1.5/320	>+5	Traffic (45), NCM (38) , insects (30)
Oakleigh	10:01 pm	34	1.9/271	>+5	Traffic (33), NCM (28)
Naroo	11:11 pm	49	1.1/306	>+5	Traffic (49), NCM (35) , insects (26)
Claremont	10:46 pm	29	2.1/310	>+5	Sheep (29), NCM (<20)
Westhaven	10:23 pm	35	1.3/319	>+5	NCM (35)
Newhaven	10:01 pm	26	1.9/271	>+5	NCM (26)
Greylands	11:15 pm	40	1.1/302	>+5	Traffic (40), NCM (28)

Table 4 NCM Operational Noise Monitoring Results – 25 September 2012 (day)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Temp Grad (°C/100m)	Identified Noise Sources
N1 Bow Hills	4:04 pm	41	2.8/152	n/a	Traffic (41), birds & insects (25), NCM inaudible
N3 Naroo	11:47 am	40	1.7/163	n/a	Traffic (38), birds & insects (34), NCM (29)
N5 Oakleigh	12:38 pm	39	2.3/132	n/a	Birds & insects (37), traffic (36), NCM inaudible
N6 Newhaven	12:40 pm	33	2.3/132	n/a	Insects (32), NCM (24)*
N7 Merriman	2:27 pm	46	1.7/162	n/a	Birds & insects (46), traffic (30), NCM inaudible
N4 Greylands	2:02 pm	44	1.8/161	n/a	Birds & insects (42), traffic (39), NCM inaudible

Table 5 NCM Operational Noise Monitoring Results – 25 September 2012 (evening)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Temp Grad (°C/100m)	Identified Noise Sources
N1 Bow Hills	8:07 pm	43	3.0/158	+4.9	Traffic (43), frogs (30), NCM (23)
N3 Naroo	8:46 pm	48	2.0/142	+2.9	Traffic (48), insects (34), NCM inaudible
N5 Oakleigh	7:25 pm	36	3.1/162	+4.8	Traffic (36), insects (22), NCM inaudible
N6 Newhaven	9:29 pm	30	2.6/144	+3.4	NCM (28)* , traffic (23)
N7 Merriman	8:51 pm	36	2.0/142	+4.4	Traffic (35), NCM (29) , frogs (25)

Table 6 NCM Operational Noise Monitoring Results – 25 September 2012 (night)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Temp Grad (°C/100m)	Identified Noise Sources
N1 Bow Hills	11:20 pm	34	3.8/154	+4.0	NCM (31) , insects & frogs (31)
N3 Naroo	10:07 pm	44	3.7/148	+4.0	Traffic (44), NCM inaudible
N5 Oakleigh	10:14 pm	32	3.7/148	+3.6	Traffic (32), NCM inaudible
N6 Newhaven	12:20 am	33	4.6/158	+4.5	Traffic (31), NCM (28)*
N7 Merriman	11:12 pm	31	3.8/154	+4.0	NCM (31)

Table 7 NCM Operational Noise Monitoring Results – 26 September 2012 (day)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Temp Grad (°C/100m)	Identified Noise Sources
N1 Bow Hills	1:17 pm	34	2.2/252	n/a	Traffic (34), birds (20), NCM inaudible
N3 Naroo	12:02 pm	42	3.3/310	n/a	Birds & insects (40), wind (38), NCM (28)
N5 Oakleigh	11:13 am	36	4.0/309	n/a	Insects (36), traffic (22), NCM inaudible
N6 Newhaven	3:19 pm	36	1.6/268	n/a	Birds & insects (35), NCM (27)*
N7 Merriman	1:37 pm	42	2.2/253	n/a	Traffic (41), birds & insects (35), NCM inaudible

Table 8 NCM Operational Noise Monitoring Results – 26 September 2012 (evening)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Temp Grad (°C/100m)	Identified Noise Sources
N1 Bow Hills	8:10 pm	44	1.2/106	+1.6	Traffic (44), frogs (35), NCM inaudible
N3 Naroo	8:11 pm	48	1.2/106	+1.6	Insects (46), traffic (44), NCM (25)
N5 Oakleigh	8:34 pm	36	1.0/131	+1.2	NCM (33) , traffic (33)
N6 Newhaven	6:38 pm	30	1.0/197	+0.9	NCM (29)* , insects (23)
N7 Merriman	7:35 pm	48	1.2/173	+0.4	Traffic (48), insects & frogs (31), NCM (30)
N4 Greylands	7:12 pm	42	1.1/171	+0.6	Insects (41), NCM (33) , traffic (32)

Table 9 NCM Operational Noise Monitoring Results – 26 September 2012 (night)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Temp Grad (°C/100m)	Identified Noise Sources
N1 Bow Hills	10:01 pm	48	0.6/1331	+3.6	Traffic (47), frogs & insects (38), NCM (34)
N3 Naroo	12:43 am	50	1.2/261	+4.5	Frogs (50), NCM (26)
N5 Oakleigh	11:10 pm	33	0.7/163	+3.7	Traffic (31), NCM (29)
N6 Newhaven	10:02 pm	32	0.6/131	+3.6	NCM (31) , traffic (25)
N7 Merriman	11:38 pm	35	1.0/173	+3.0	Dog (32), traffic (31), NCM (28)
N4 Greylands	10:58 pm	31	0.7/163	+3.7	NCM (29) , traffic (25)

Table 10 NCM Operational Noise Monitoring Results – 27 September 2012 (day)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Temp Grad (°C/100m)	Identified Noise Sources
N1 Bow Hills	12:36 pm	39	4.6/311	n/a	Traffic (38), insects (31), wind (30), NCM inaudible
N3 Naroo	10:36 am	45	5.5/315	n/a	Traffic (42), insects (40), wind (40), NCM (24)
N5 Oakleigh	3:10 pm	37	4.2/304	n/a	NCM (33) , traffic (33), birds & insects (30)
N6 Newhaven	12:15 pm	37	4.7/309	n/a	Wind (37), NCM inaudible
N7 Merriman	10:41 am	44	5.5/315	n/a	Birds & insects (41), traffic (41), NCM inaudible

Table 11 NCM Operational Noise Monitoring Results – 27 September 2012 (evening)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Temp Grad (°C/100m)	Identified Noise Sources
N1 Bow Hills	9:30 pm	47	0.8/292	+3.0	Traffic (47), frogs & insects (37), NCM inaudible
N3 Naroo	9:25 pm	47	0.8/292	+3.0	Traffic (47), insects (30), NCM (29)
N5 Oakleigh	7:27 pm	42	2.1/309	+0.7	Traffic (40), insects (38), NCM (28)
N6 Newhaven	8:46 pm	28	0.1/202	+0.3	Traffic (27), insects (21), NCM inaudible
N7 Merriman	8:14 pm	37	0.8/5	+1.7	Birds & insects (36), traffic (33), NCM inaudible

Table 12 NCM Operational Noise Monitoring Results – 27 September 2012 (night)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Temp Grad (°C/100m)	Identified Noise Sources
N1 Bow Hills	10:04 pm	48	0.5/328	+3.7	Traffic (48), birds & frogs (35), NCM inaudible
N3 Naroo	12:14 am	44	1.8/289	+3.6	Traffic (44), NCM (33) , insects (30)
N5 Oakleigh	11:02 pm	40	0.5/30	+3.7	Traffic (39), NCM (33)
N6 Newhaven	10:01 pm	28	0.5/238	+3.7	NCM (25) , traffic (24), insects (20)
N7 Merriman	11:05 am	47	0.5/30	+3.5	Traffic (46), frogs & insects (30), NCM inaudible

*Noise from gas drainage wells

The results in Tables 1 to 12 show that, under the operating and meteorological conditions at the times, for the worst case 15 minute compliance measurement periods, the mine noise was at variable levels but exceeded the operational noise criterion at the Bow Hills monitoring location during the night on 5 August.

At this time there was a noise enhancing $>+5.0^{\circ}/100\text{m}$ temperature inversion (based on the data from the temperature loggers). As such the elevated noise level was measured under non-compliant atmospheric conditions as per the Project Approval.

The $L_1 (1 \text{ min})$ noise from mining did not exceed the 45 dB(A) criterion at any monitoring location during the night periods. As there were no exceedances of any noise criteria no noise management actions were necessary.

The August/September monitoring also assessed the incidence of temperature inversions by placing two temperature loggers, attached to stakes, at different elevations. At the time of measurement, some strong temperature inversions were present, as noted for the noise level recorded at the Bow Hills property on 5 August.

The real time noise monitor is reporting results to date indicating no noise exceedance events attributable to site operations.

Deposited Dust Monitoring

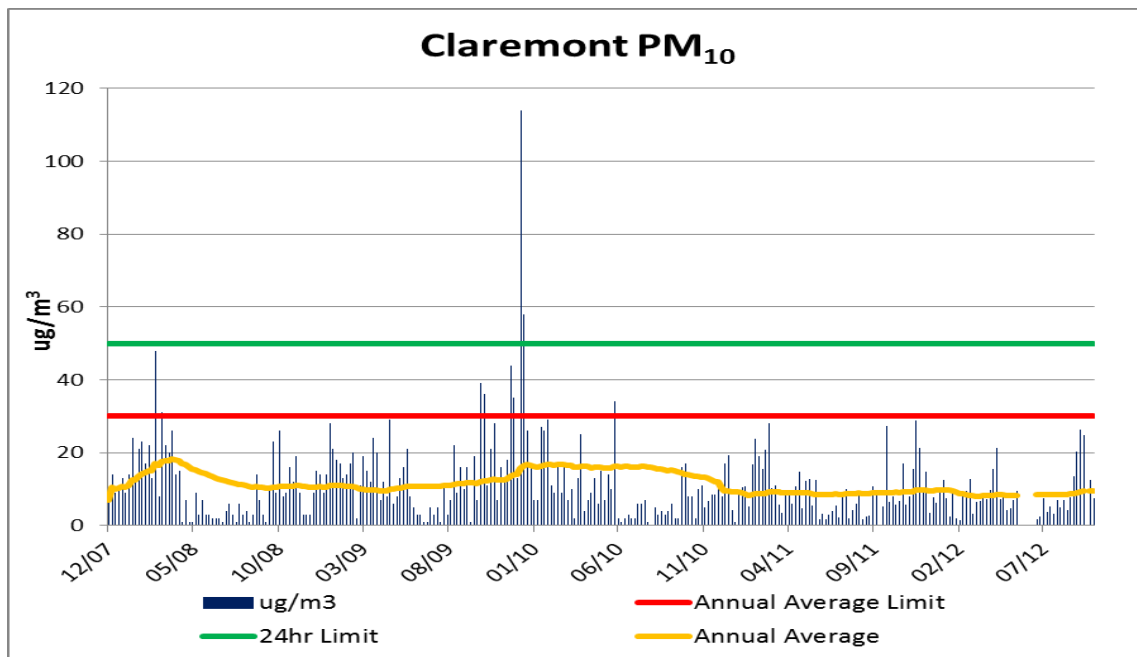
Month	ND1 Turrabaa	ND2 Claremont	ND3 Bow Hills	ND4a New Matoppo	ND5 Claremont	ND6 Willarah	ND7 Claremont	ND8 Claremont	ND11 Oakleigh
Nov-11	2.8	0.8	1.4	1.3	2.4	0.8	1.1	0.6	0.7
Dec-11	1.0	1.0	0.7	0.6	4.5	2.4	1.4	2.0	1.8
Jan-12	1.7	1.7	1.2	0.8	2.0	0.7	1.7	0.8	1.7
Feb-12	0.5	0.6	0.3	1.5	7.1	1.8	0.7	1.5	0.6
Mar-12	1.0	5.0	0.5	14.4	2.0	7.5	2.7	1.5	0.0
Apr-12	1.3	7.0	1.1	3.0	2.0	1.6	2.3	1.4	0.7
May-12	1.9	8.9	0.8	0.3	3.1	0.2	0.8	1.5	0.7
Jun-12	1.4	2.6	1.3	0.7	11.5	0.4	1.3	0.6	1.8
Jul-12	1.1	1.1	0.3	0.3	3.5	0.0	1.2	0.5	0.4
Aug-12	0.9	1.0	0.4	0.8	2.2	0.3	0.6	0.3	0.5
Sep-12	1.0	1.8	1.3	0.8	2.2	0.6	2.0	0.6	0.6
Oct-12	1.8	1.3	0.7	0.6	0.8	1.6	2.5	0.5	0.3
Annual Average	1.4	2.7	0.8	2.1	3.6	1.5	1.5	1.0	0.8

Deposited dust levels have remained at relatively low levels since the last meeting and all dust deposition annual averages are within compliance limits.

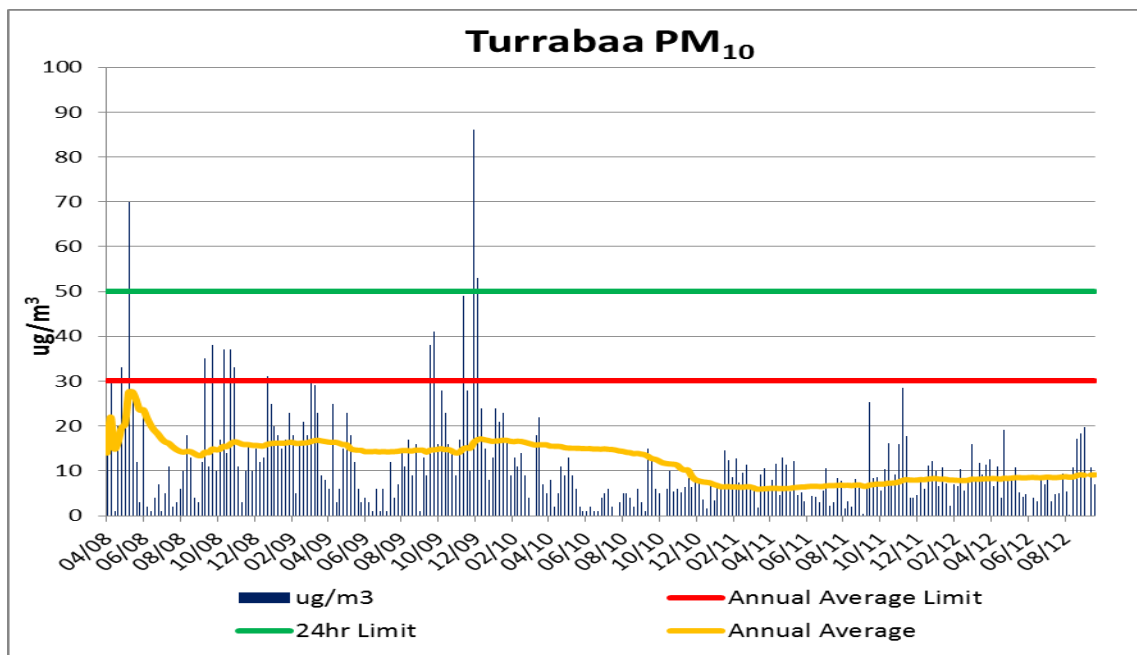
Monitor ND11, located at “Oakleigh”, continues to report results well within compliance limits.

High Volume Air Sampling (PM₁₀)

PM₁₀ measurements taken to the end of September 2012 for the “Claremont” High Volume Air Sampler (HVAS) are returning a running annual average of 9.37 µg/m³ which is well below the annual average limit of 30 µg/m³. The “Claremont” HVAS had some technical issues during June but these issues have been resolved and monitoring is continuing as required.



PM₁₀ measurements taken to the end of September 2012 for the “Turrabaa” High Volume Air Sampler are returning a running annual average of 9.12 µg/m³ which is also well below the annual average limit of 30 µg/m³

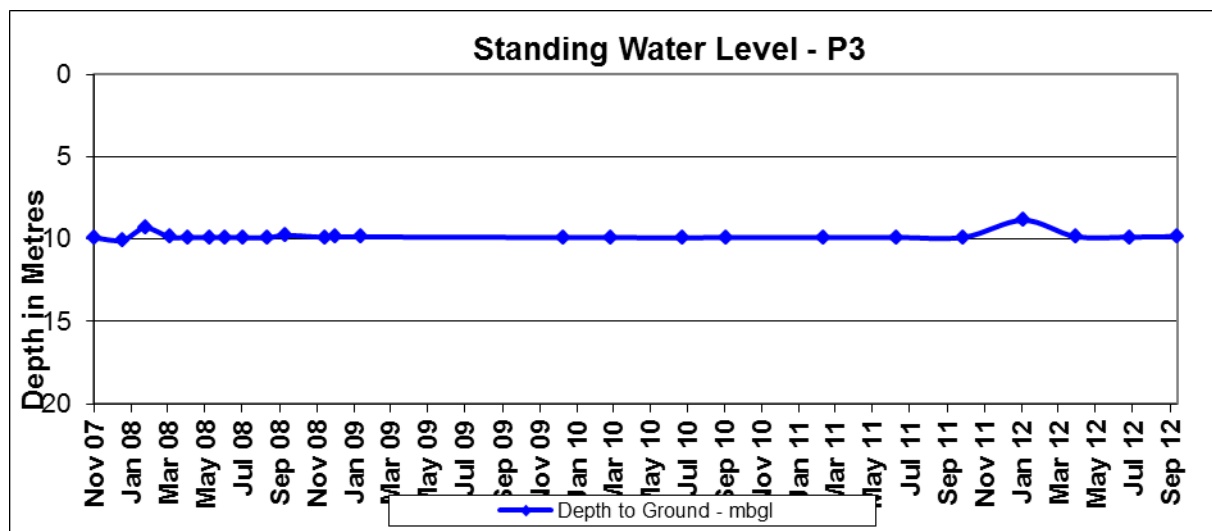
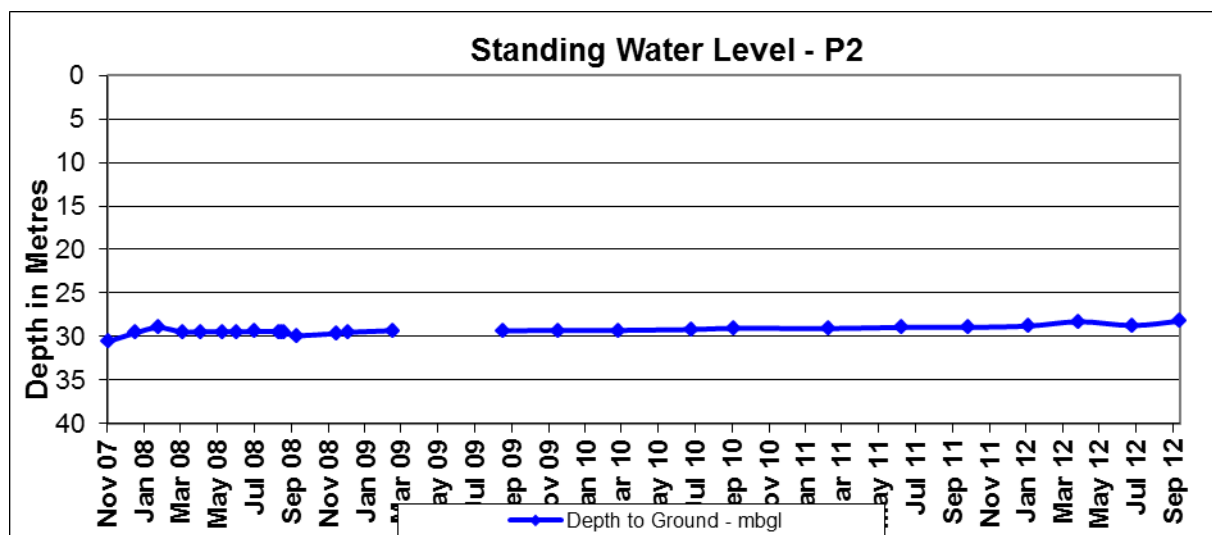
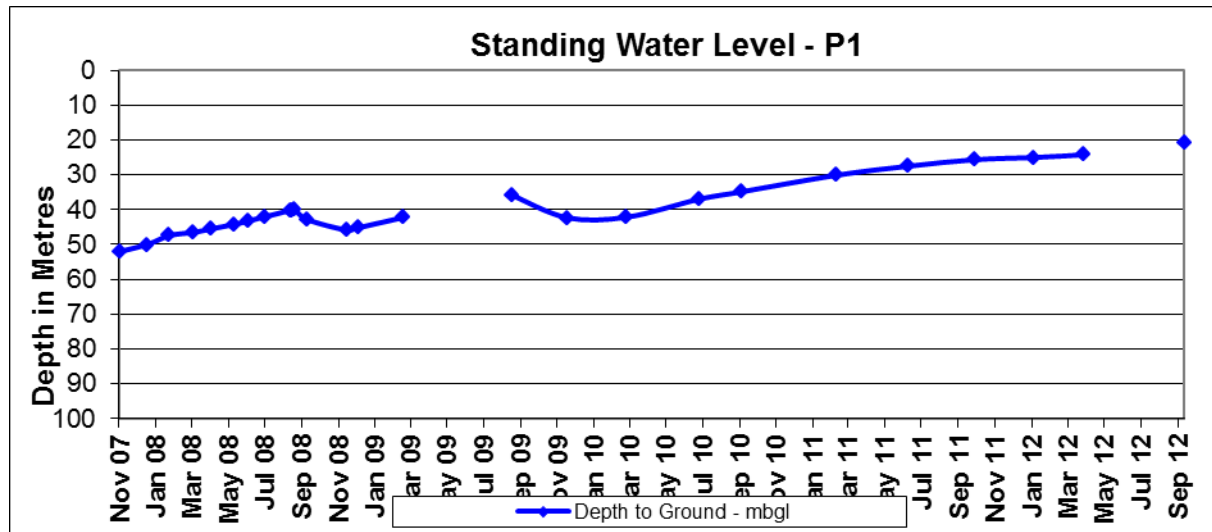


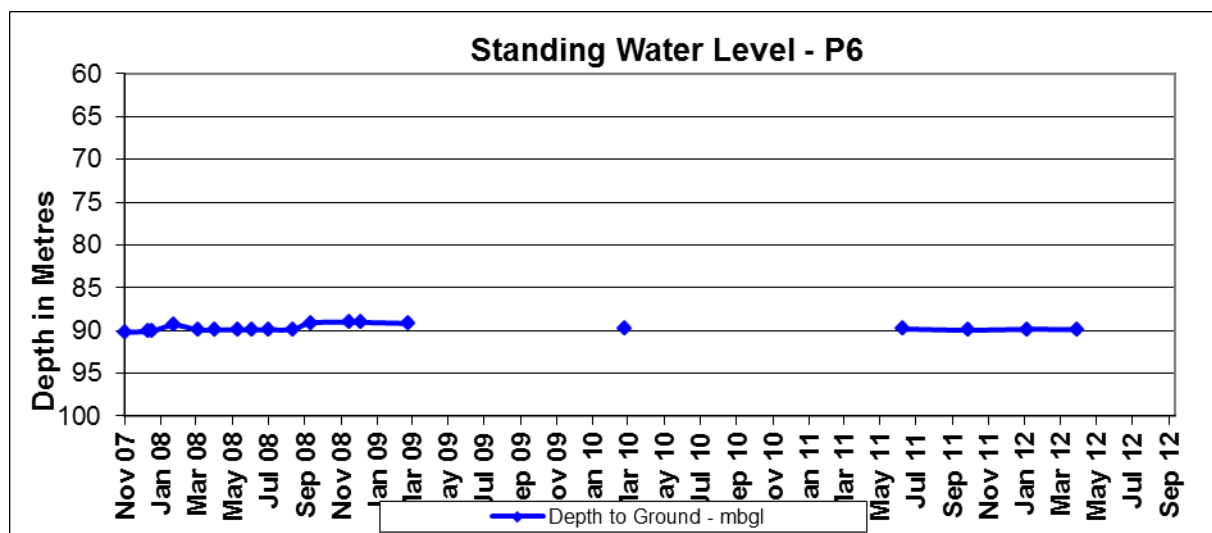
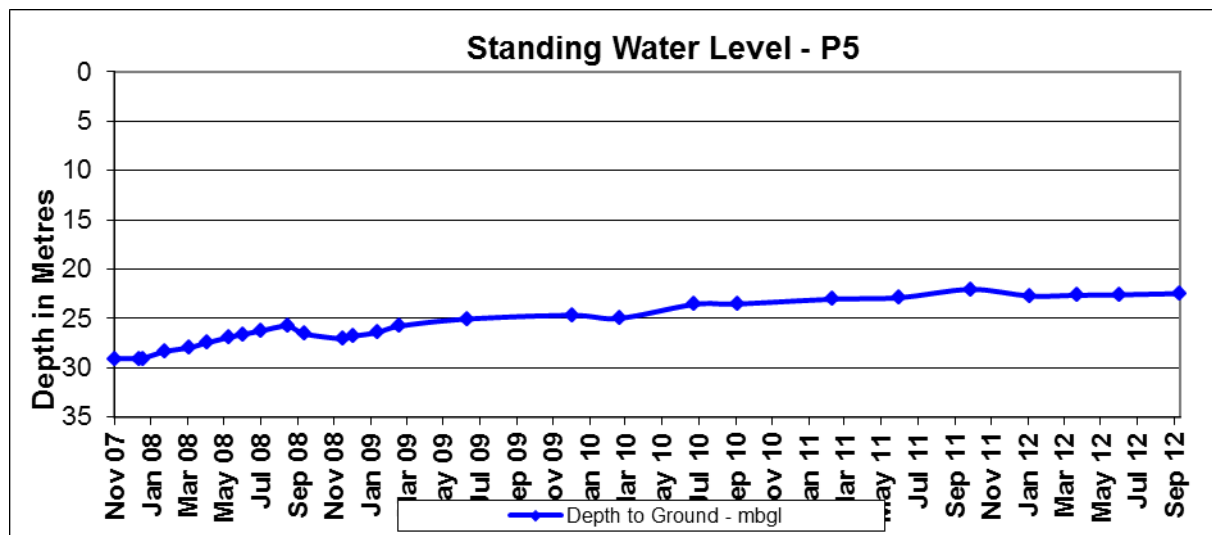
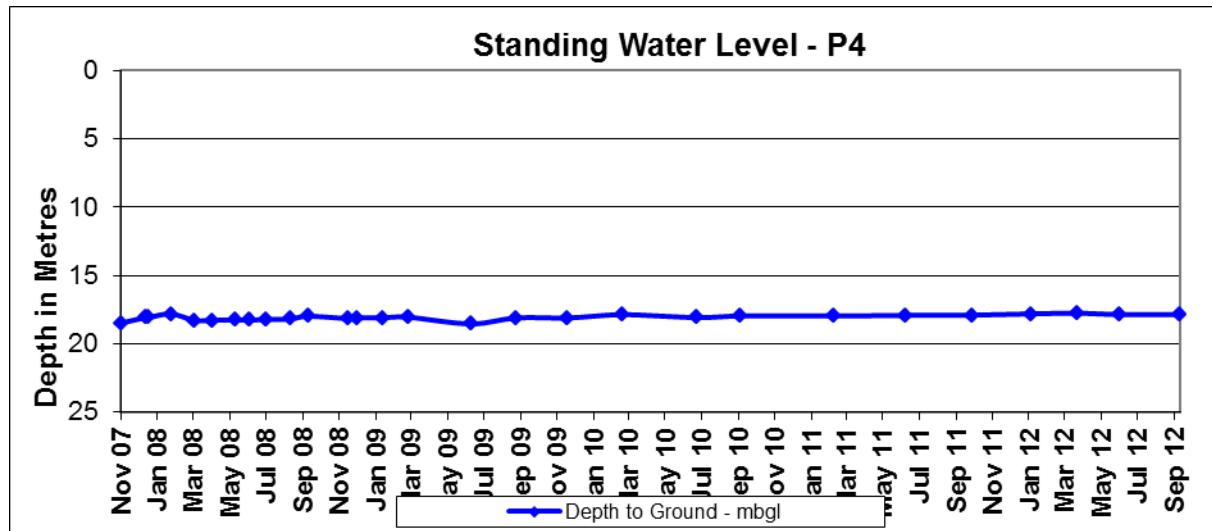
PM₁₀ levels have remained compliant since the last meeting with annual averages at both sites displaying a stabilising trend.

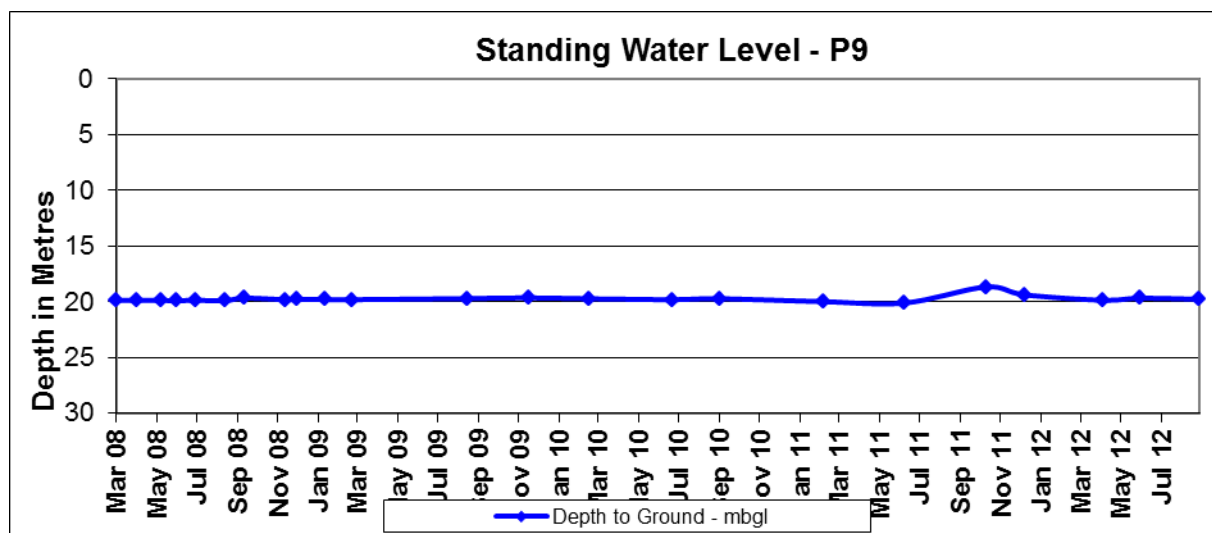
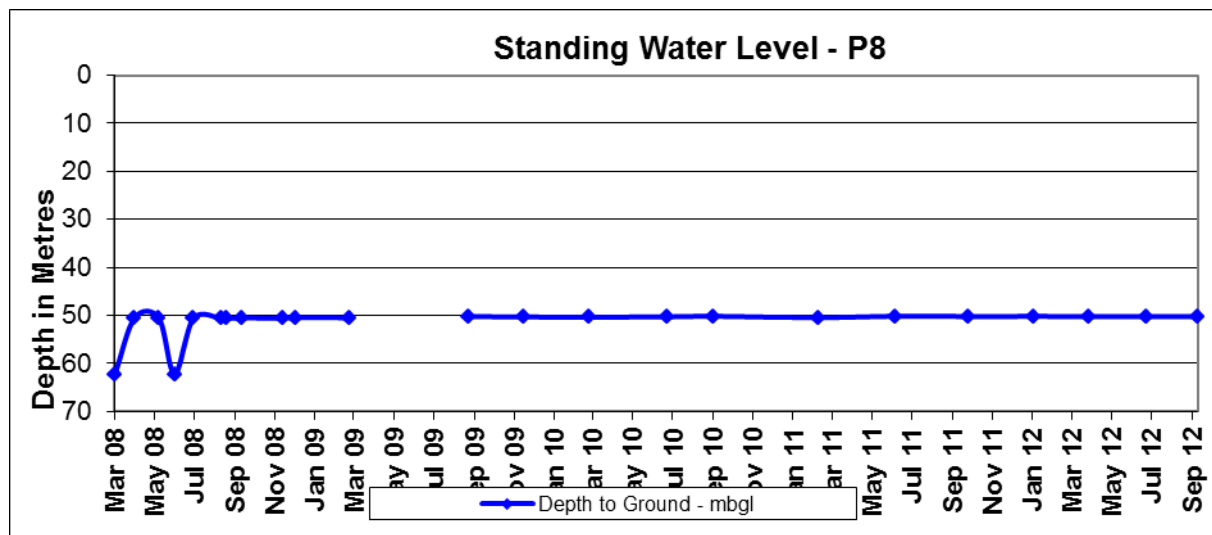
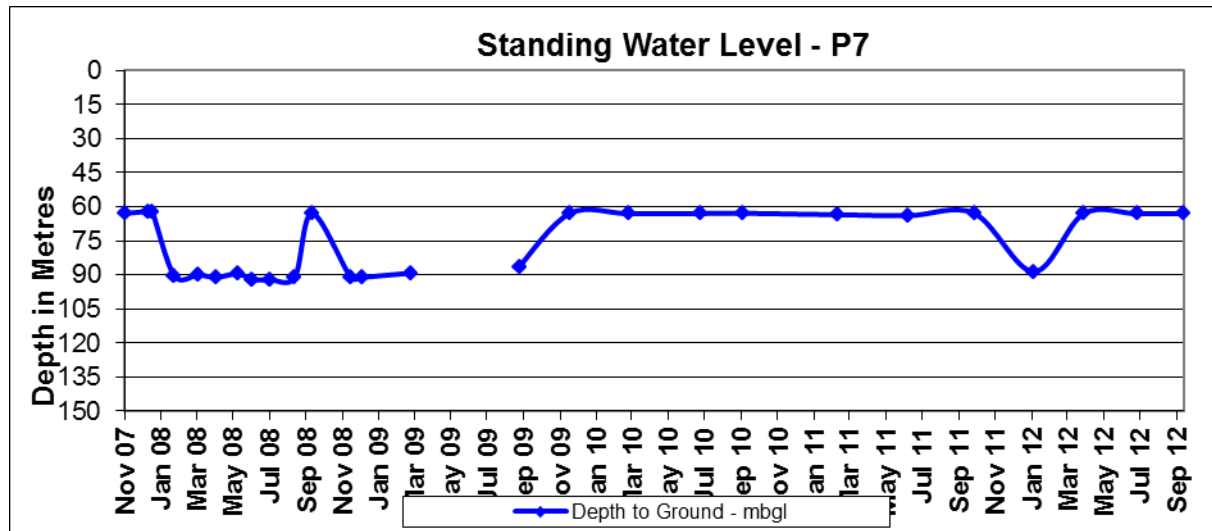
Groundwater Monitoring

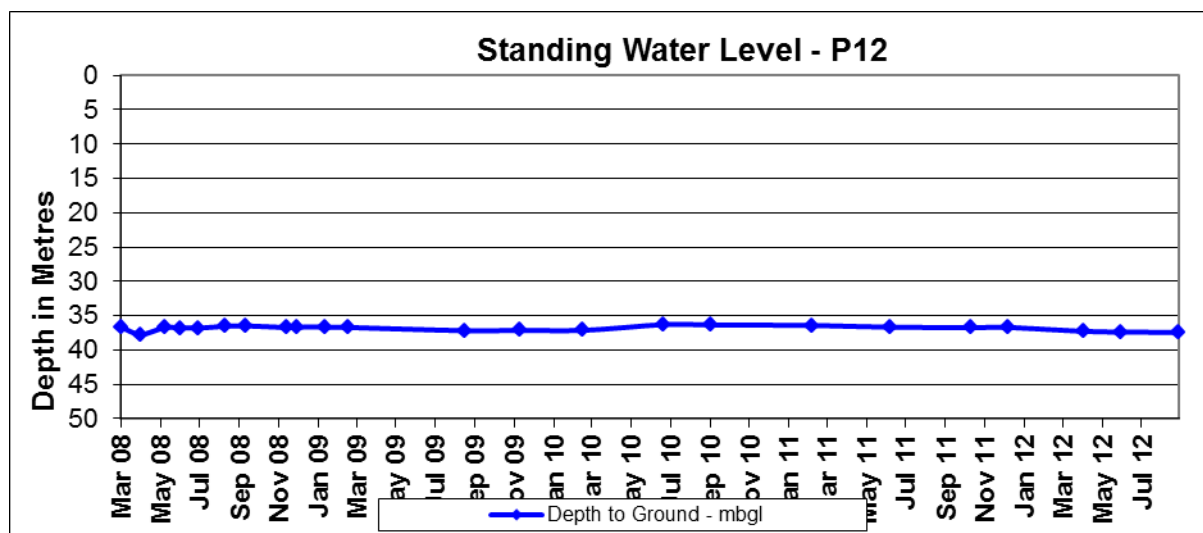
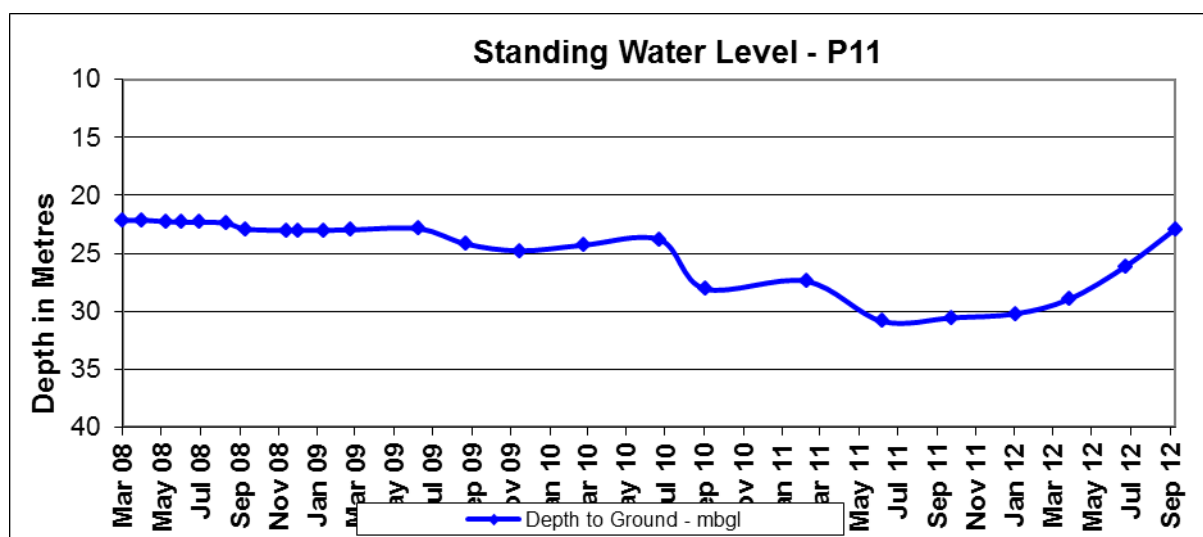
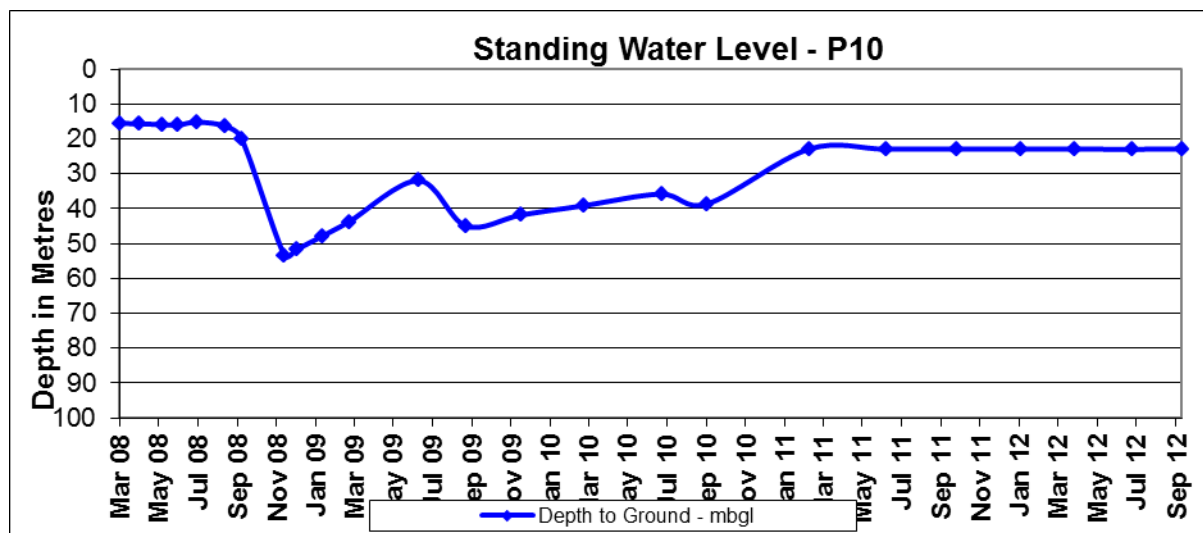
Groundwater monitoring was completed during August and September 2012. During the previous two monitoring rounds, groundwater was detected in 3 of the 7 groundwater wells in the rail loop. Narrabri Mine is investigating whether or not this water is associated with the mine or due to the wet weather received earlier in the year. The next step is to engage a specialist to review the information obtained to

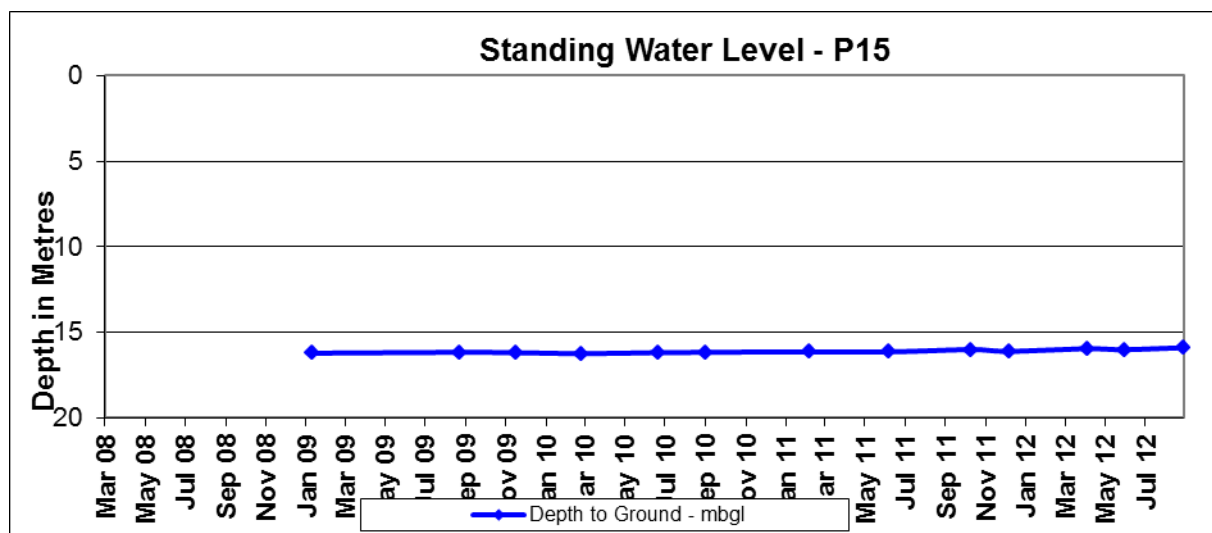
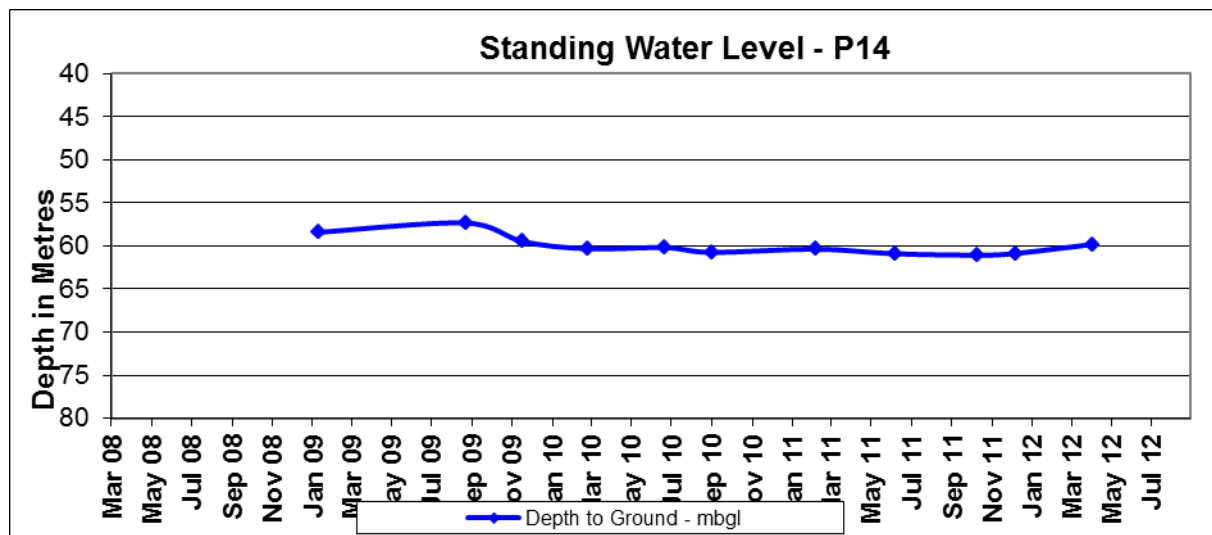
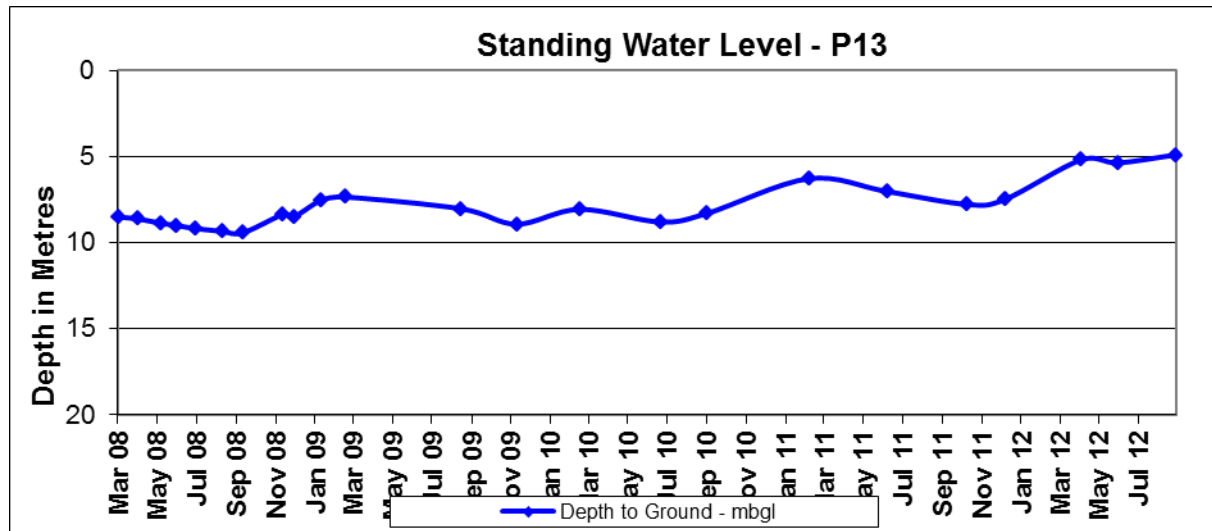
date and confirm an appropriate monitoring regime. Monitoring well P47 has now also been included which is an additional monitoring point established under the revised Water Management Plan. A group of water level data loggers has also been installed at the “Omeo” property to monitor the effects of the Longwall operation.

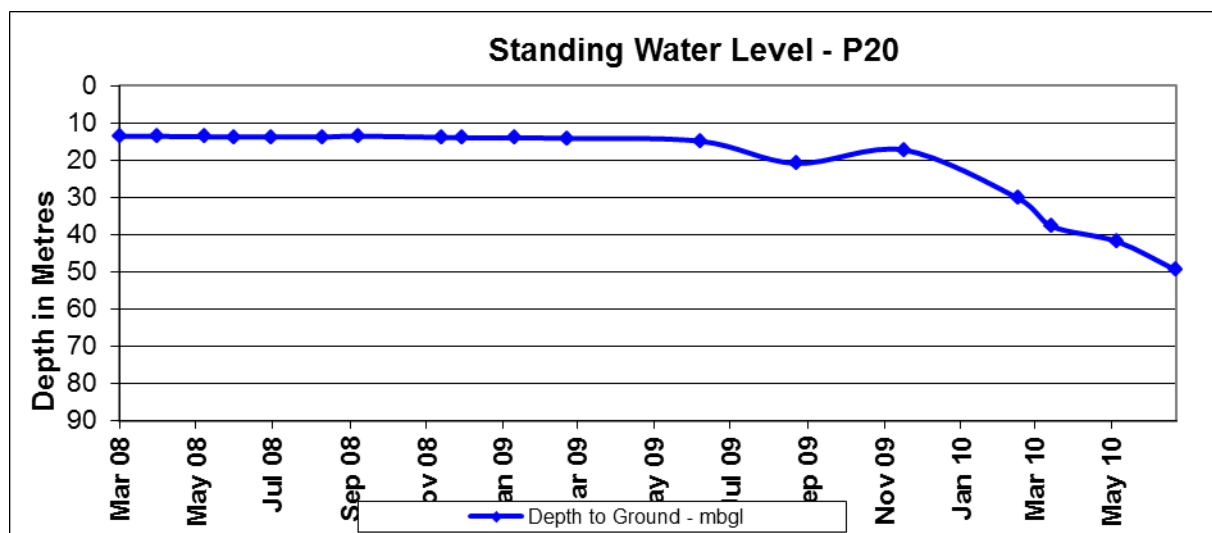
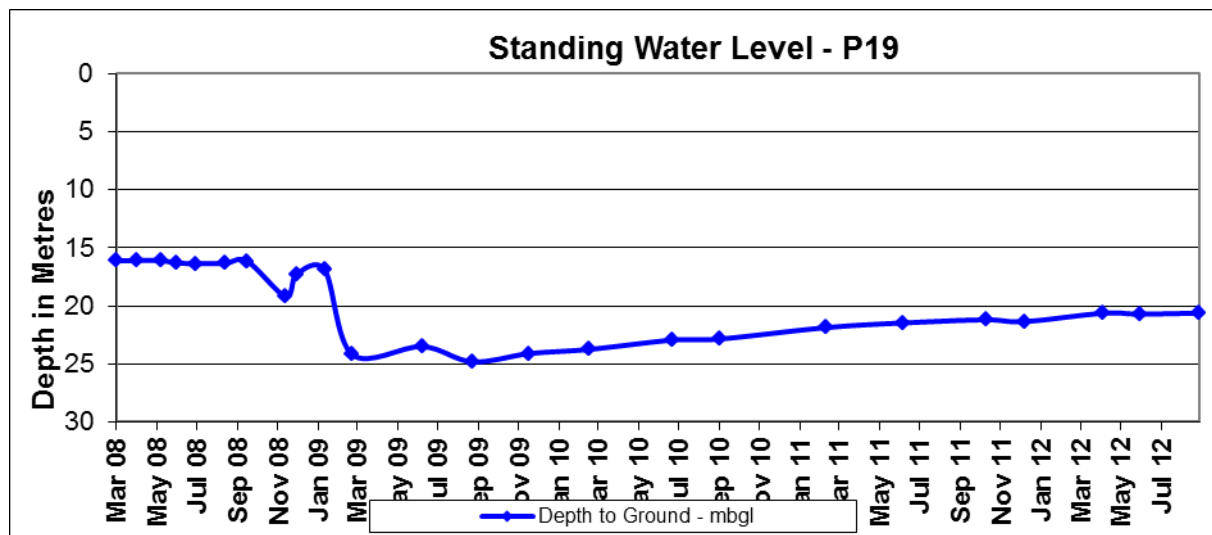
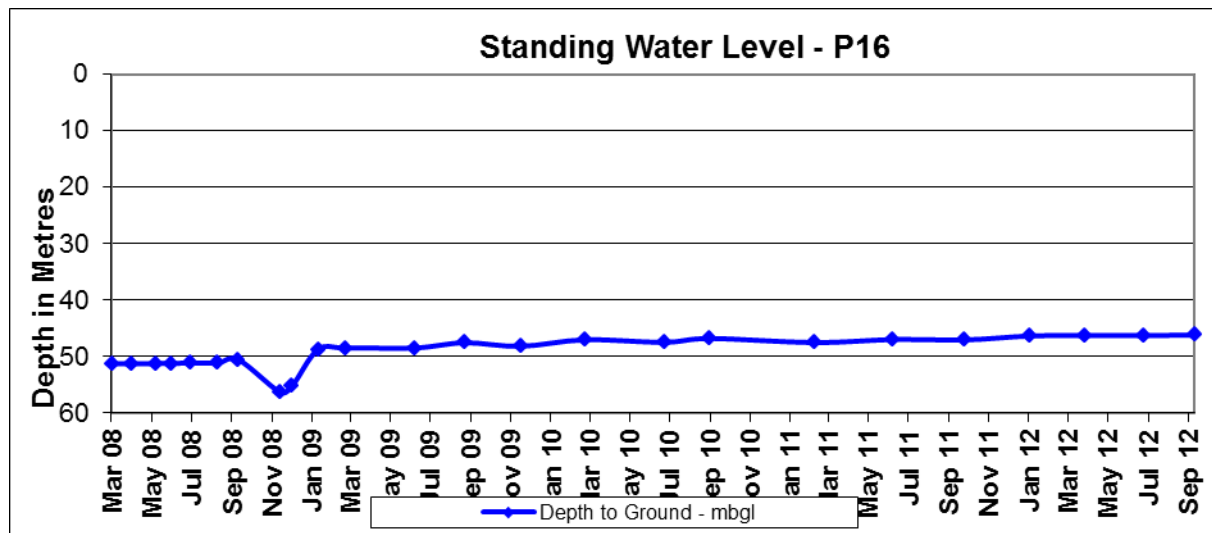


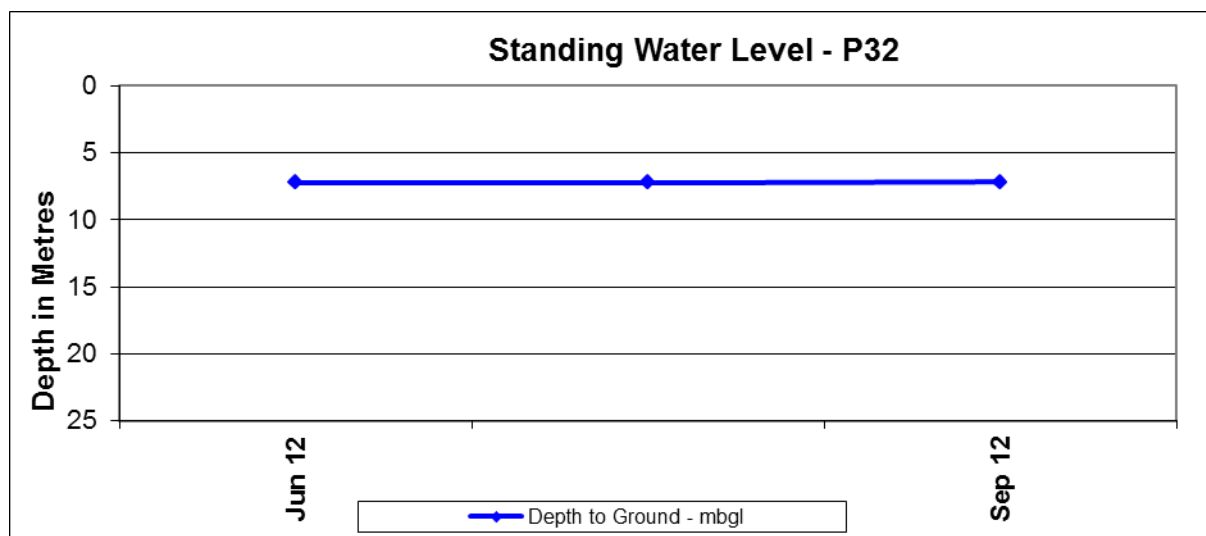
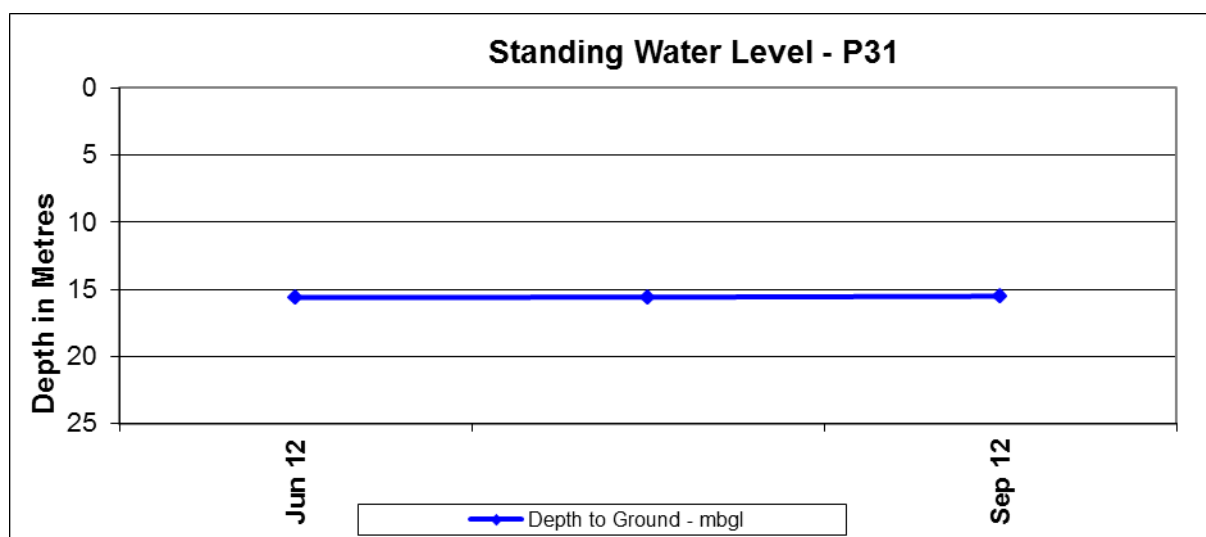
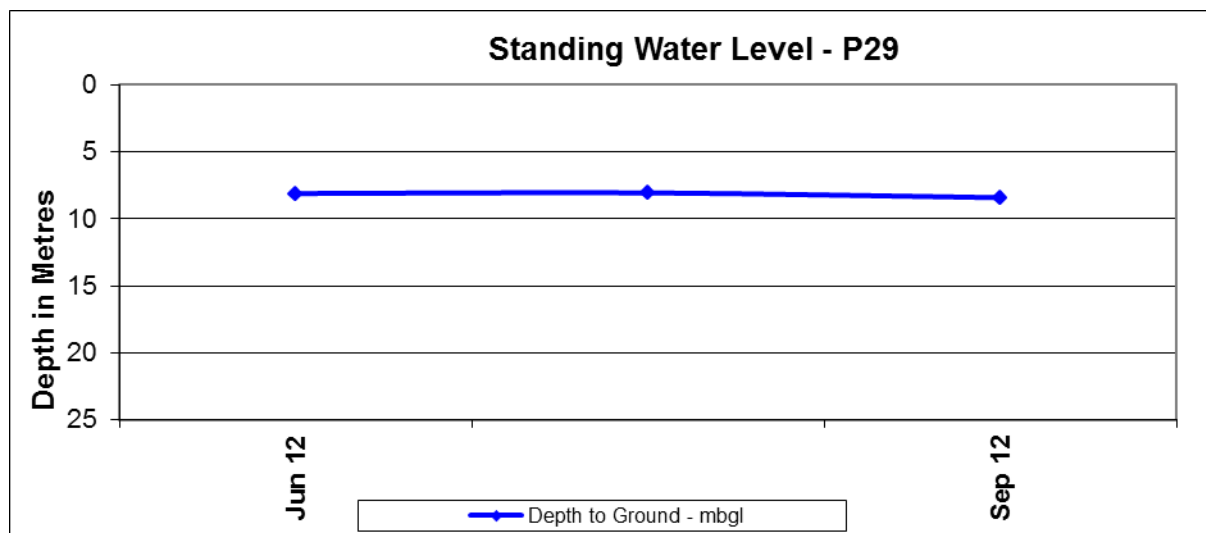


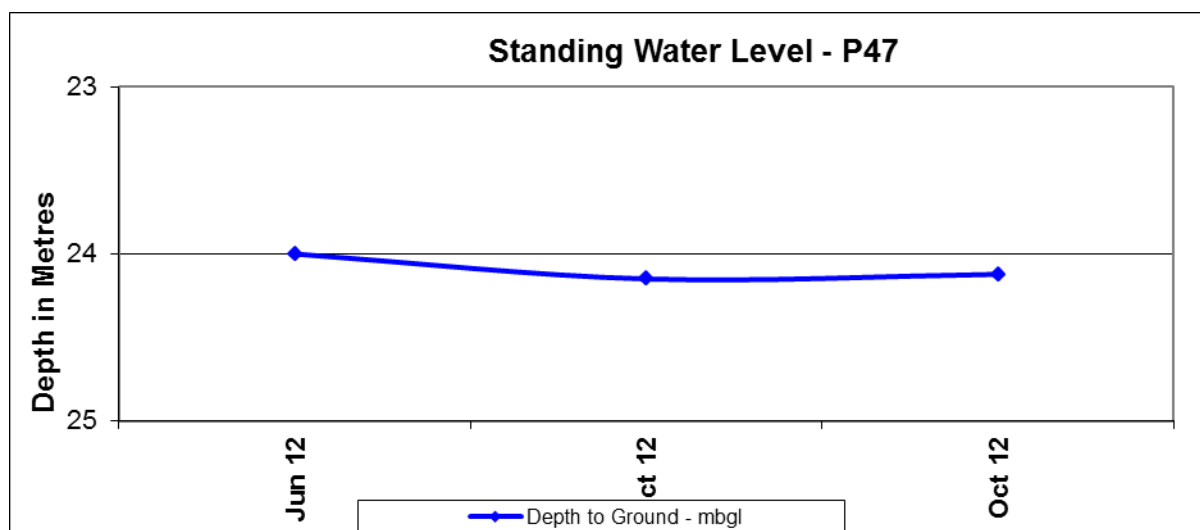












Surface Water Monitoring

No wet weather discharges have occurred during August, September and October 2012.

Complaints

One formal complaint was received during September 2012. The complaint related to visible dust being carried by high winds from the product stockpile. Dust was generated both at discharge of stacker as coal falls to stockpile and by the movement of dozers pushing coal into reclaim valves to load a train. Dust was not travelling towards the complainant's property however concerns were raised about the visible dust plume. The complainant noted the difficulty in managing dust from stockpiles in windy conditions but thought that operations should have ceased given the wind speed. In response to this issue, the Technical Services Manager (TSM) spoke with the complainant and agreed to investigate limits for plant operation in windy weather. It was noted that sprays were active from the gantry of the conveyor but were ineffective in the wind conditions. The Environmental Officer (EO) reviewed the wind speed data and at the time of the complaint the wind speed was 7.4 m/s (26.6 km/hr) with gusts of 12 m/s (43.2 km/hr). The CHPP superintendent was notified and advised that a wind speed sensor trips the belt when average wind velocity reaches 40km/hr. Consideration is currently being given to establishing a standard procedure to enact in adverse weather conditions which may include stopping CHPP operations if conditions exceed an agreed operating envelope.. The EO is investigating options for setting a Trigger Action Response Plan for weather conditions.

Environmental Incident(s)

No environmental incidents occurred during August, September and October 2012.