

**Minutes of the 24th Meeting of the
Sunnyside Coal Mine Community Consultative Committee**

Meeting Held: Wednesday 14th February 2018, 3:37pm

Venue: The meeting was held at Namoi Valley Bricks Training Room

1. Present and Apologies

Present: Michael Broekman (MB) (Chairperson)
Maddie Whitten (MW) (Environmental Officer- Whitehaven)
Craig Sullivan (CS) (Operations Superintendent/MEM- Whitehaven)
Colleen Fuller (CF) (Gunnedah Shire Council Rep)
Ron Fuller (RF) Community Representative
Tim Muldoon (TM) (Manager Community Relations - Whitehaven)
Liz Ferguson (LF) (Community Representative)

Apologies: None

2. Previous Minutes

Minutes of the previous meeting were adopted as a true record on the motion of MW and CF.

3. Business Arising

No business arising from previous minutes.

4. Operations Report

CS presented mining update. Safety tracking very well, no lost time injuries for 136 days. Some changes in operators have occurred since the previous meeting, with the site now employing 7 full time Whitehaven Coal (WHC) employees, and 2 Programmed employees.

The site has so far moved approximately 880,450 BCM of overburden. Coal production commencement on 11th January and the site has moved 57,000 T of coal YTD. Coal haulage commenced 12th February 2018, and 3200 T has been moved YTD. On the 8th January shift lengths were increased by 30 minutes to 10.5hrs per day, Monday to Friday. The current plan is to mine 350,000 T for the financial year. RF queried whether the haulage was the equivalent of Rocglen Coal Mine, with CS stating the Sunnyside haulage is much shorter, with no evening hauling.

LF queried whether the haul truck drivers were employees of WHC. CS said they are a contractor company, called Qube. LF stated she was happy with the drivers; CS mentioned that there had been a thorough meeting with the contractor company, including the drivers themselves, about the expectations of WHC.

RF confirmed the numbers of overburden and coal, and asked if the strip ratio was 7:1. CS confirmed that ratio, stating the need to rehandle some areas of overburden had effected the strip ratio early in production. LF queried when mining is planned to finish, and CS said the current plan is to finish mining coal at the start of FY2020, with a further 6 months for rehabilitation. RF asked if the site is carting to the washery. CS

stated yes, and the hopefully most of the coal will not require washing and will just bypass. TM identified that so far the product had been of better quality than previously, and CS added that the site was not separating coal onsite but combining all of the coal partings.

MB suggested a site tour, to general agreement. LF recommended a tour prior to the next CCC meeting, to allow discussion following the tour. MB suggested a 3pm tour next quarter, and thanked CS for the operations report.

5. Environmental Report

MW presented environmental results and records of complaints, which are attached in the Environmental Monitoring Report.

RF queried whether Sunnyside had a wet pit. CS stated that the pit was wet, with all the water which had been captured in the pit in the last 5 years, and that the water has been pumped to 2 pit water dams to preserve it. LF queried if one of those was the dam that used to leak, and CS specified the dam had been repaired and was holding well.

6. General Business

LF mentioned she was happy with the operation so far, having not been able to hear the site.

MB noted that he had been invited to join a local dust committee, and had been asked to make the CCC aware of the committee. CF noted she had also been invited, and that she intended to nominate for it. LF queried the purpose of the committee. TM informed the group it is a regional dust monitoring program initiated by the EPA. Stated that the WHC sites were performing well, and well below the readings in Sydney. The monitoring looks at cumulative impacts, not just mining, but also agriculture and cities etc. MB stated it would be good if CF does nominate for her to be the CCC representative, and LF noted it would be beneficial for CF to provide updates during future CCC meetings.

RF asked if there were any dykes or intrusions on site, and CS said there were a few.

LF mentioned previous thefts from the site during the care and maintenance phase, stating that she had noticed an increase in illegal dumping near her property. CS stated that now the site is operational again there is roaming security and security cameras.

7. Next meeting

Next meeting set down for 9th May 2018, at 2pm, with a planned site tour prior to the CCC meeting.

Meeting closed at 4:10 pm.

Michael Broekman - Chairperson

Sunnyside Coal Mine

Community Consultative Committee

Meeting #24

Environmental Monitoring Report

October 2017 – January 2018

Noise Monitoring

Operational noise monitoring was conducted in Quarter 4 of 2017, and returned compliant results for each monitoring location. Attended monitoring for the site will continue quarterly.

Air Quality Monitoring

Deposited Dust

Deposited dust levels for the site since the last meeting are as follows:

Month	SD1 Ferndale	SD3 Plainview	SD4 Lilydale	SD5 Ivanhoe	SD6 Illili	SD7 Innisvale	SD8 Woodlawn
February 2017	1.4	1.0	1.2	6.6	1.0	26.8	1.0
March 2017	1.2	0.6	0.6	3.6	3.3	1.1	0.5
April 2017	NA	NA	NA	NA	NA	NA	NA
May 2017	0.4	0.3	0.9	1.7	0.7	0.6	0.3
June 2017	1.0	2.8	1.0	3.9	0.4	0.2	0.2
July 2017	0.7	2.5	0.4	4.5	2.6	0.7	0.3
August 2017	0.3	1.2	1.3	6.8	0.6	0.1	1.7
September 2017	0.8	0.9	0.4	0.4	0.9	0.8	0.4
October 2017	1.4	1.3	0.7	4.0	1.2	0.7	0.5
November 2017	1.0	3.1	0.4	1.4	11.7	0.8	1.4
December 2017	1.0	3.1	1.5	1.6	2.3	1.1	1.5
January 2018	1.0	2.4	2.5	4.6	1.1	1.4	1.5
Average*	0.9	1.7	1.0	3.6	2.3	3.1	0.8

*Average over 11 months, no April results due to loss of samples at laboratory.

The annual averages for deposited dusts at all monitoring locations remain below the criteria of 4g/m²/month.

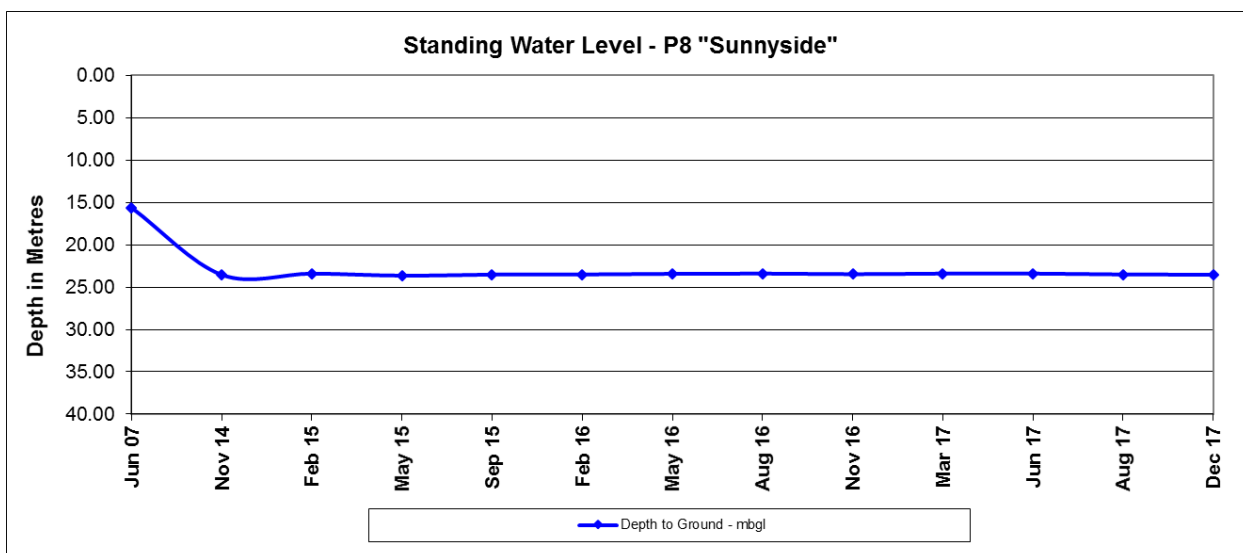
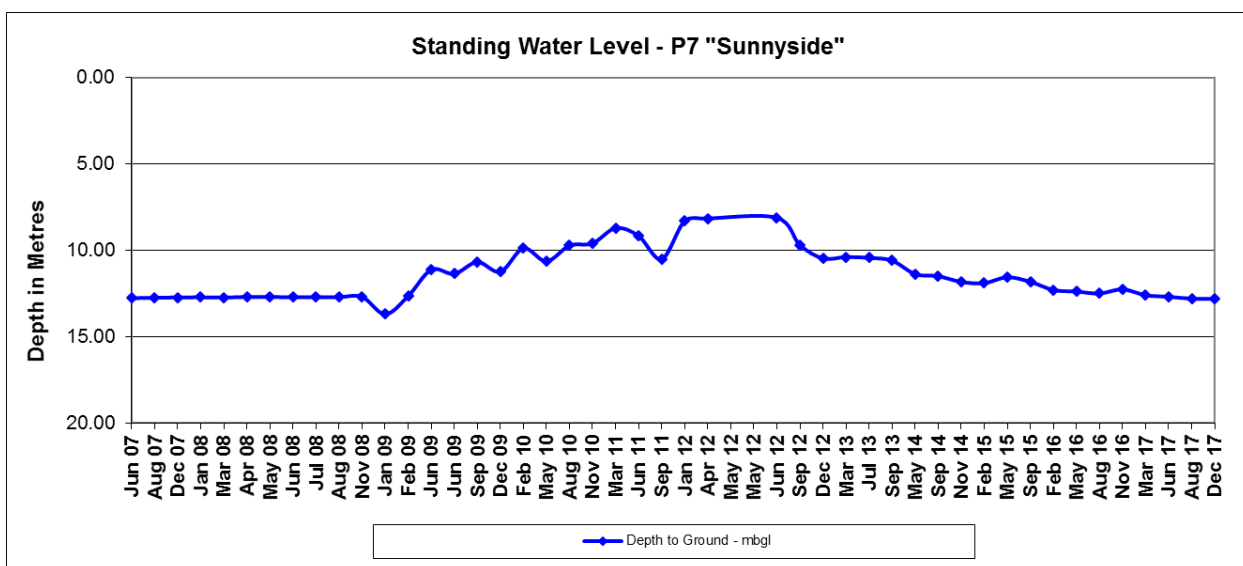
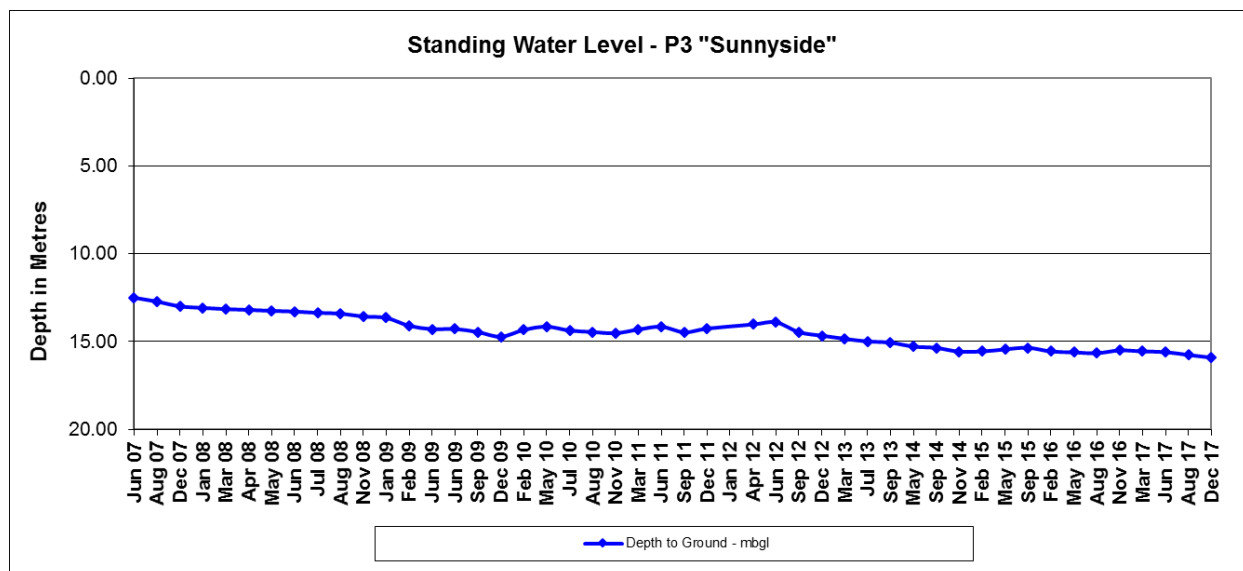
PM₁₀ Data

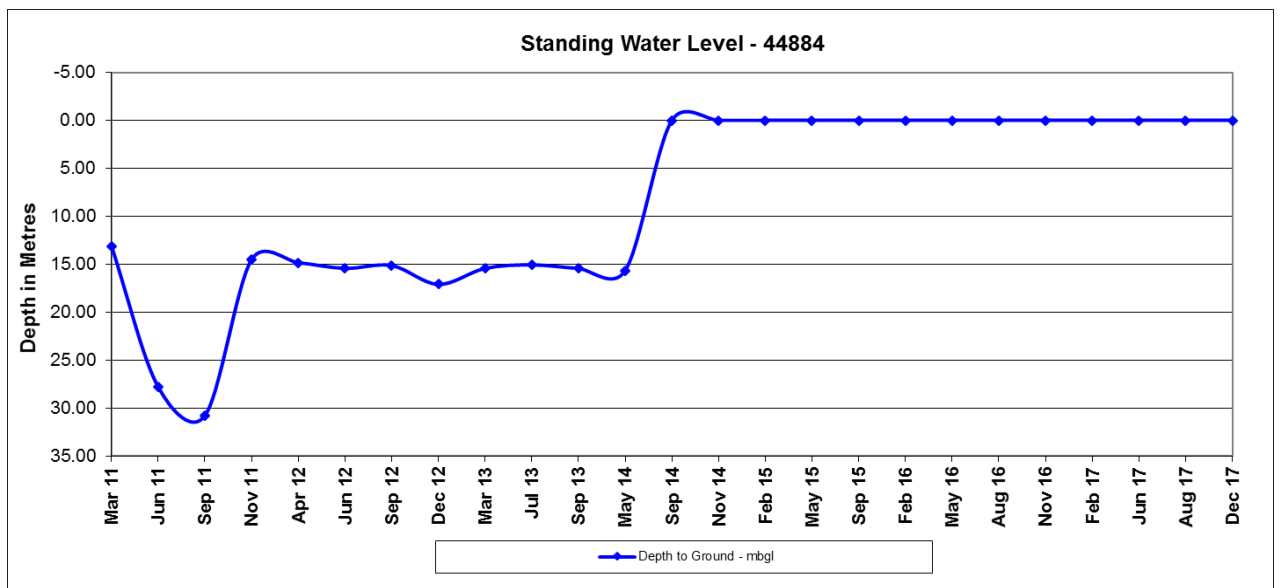
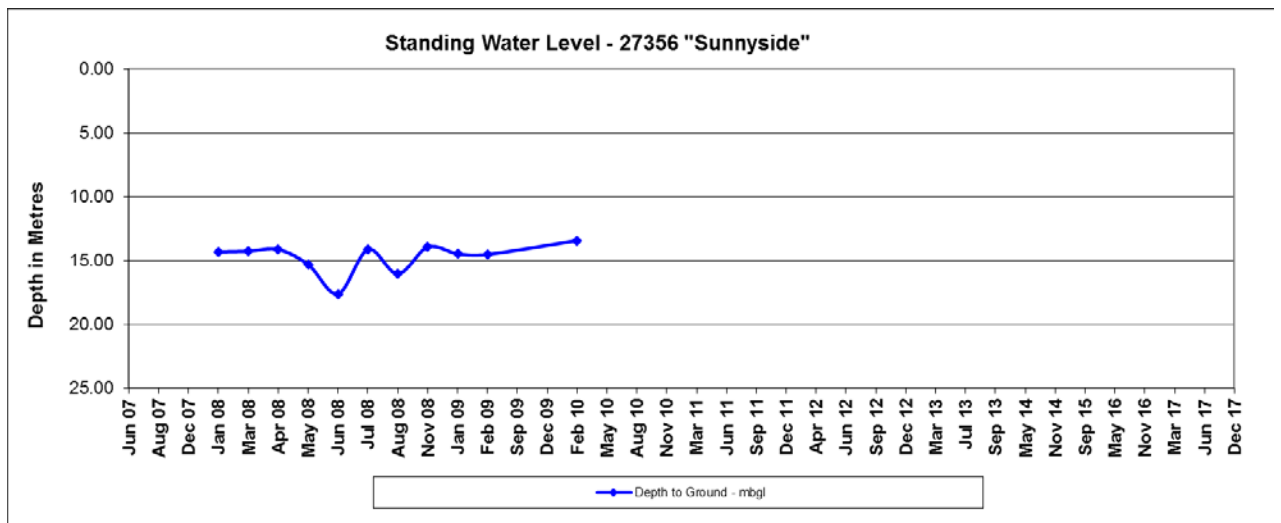
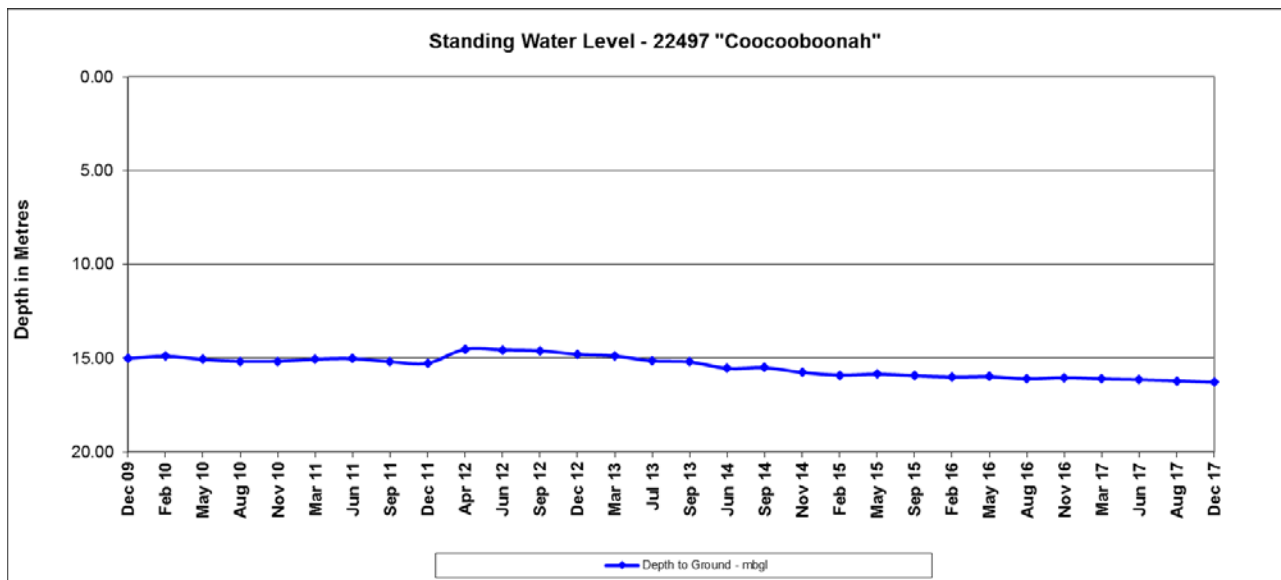
Compliance with the 24hr criterion of 50µg/m³ has been maintained during the reporting period.

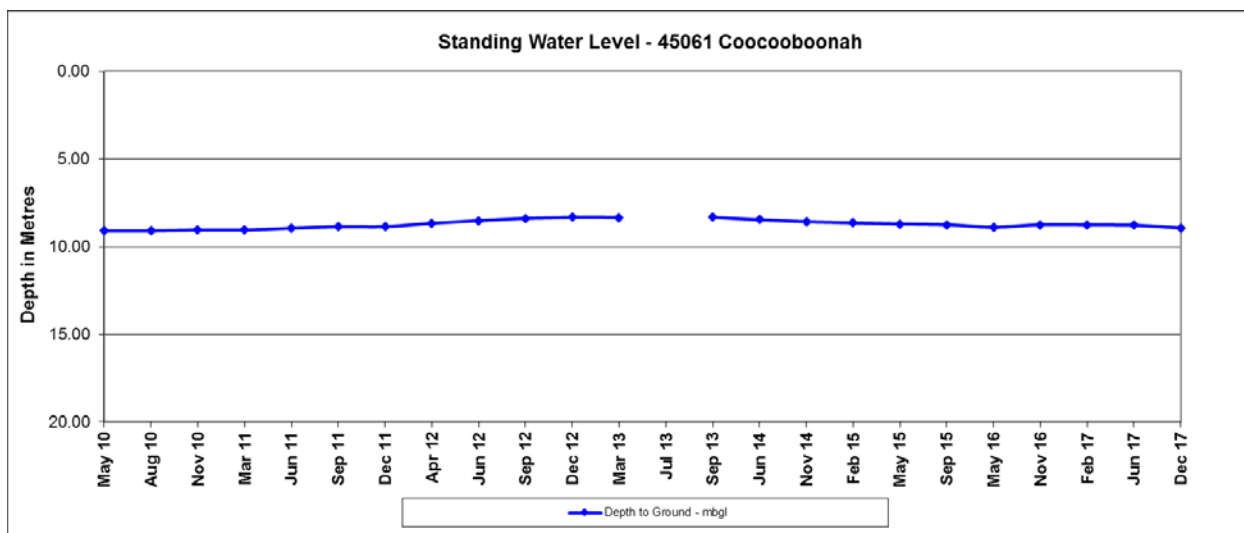
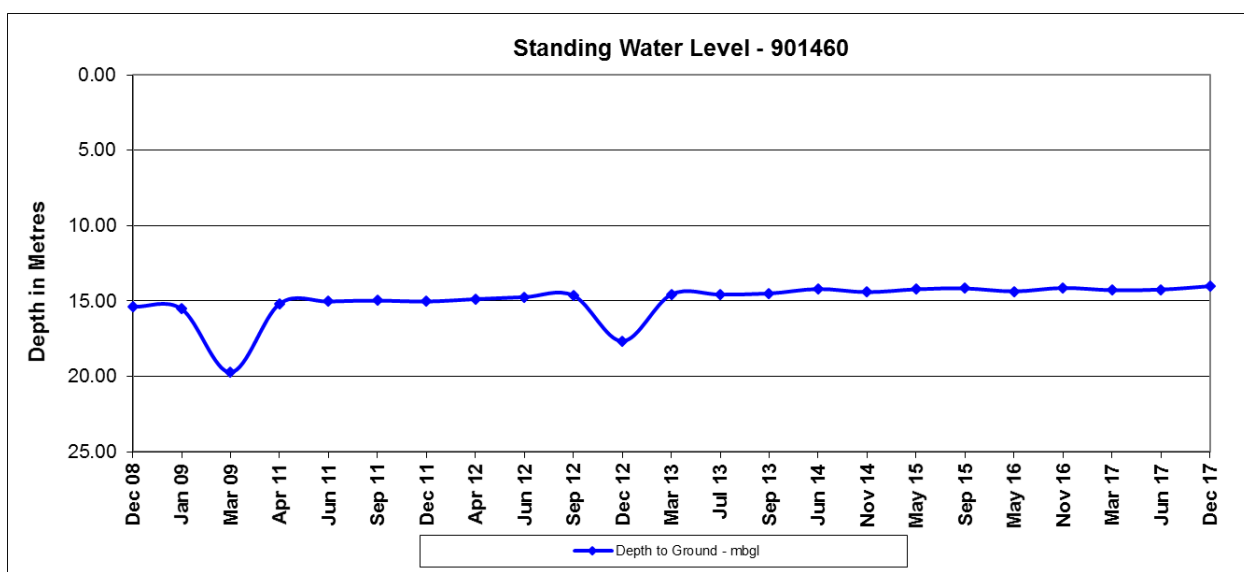
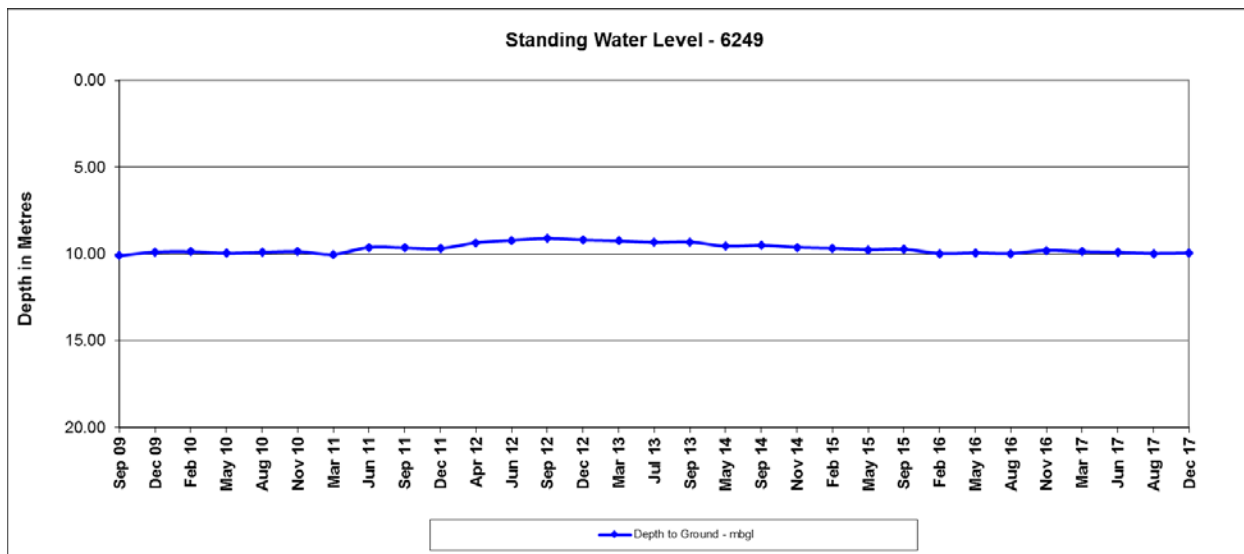
PM₁₀ measurements taken for the “Illili” High Volume Air Sampler (HVAS) are returning a running annual average of 12.42µg/m³, which is well below the annual average limit of 30µg/m³.

Groundwater Monitoring

Groundwater monitoring is undertaken from a range of monitoring piezometers and water bores both within and surrounding the mine site. Standing Water Level (SWL) checks are undertaken on a quarterly basis, with full water quality sampling undertaken on a 6 monthly basis. Standing water levels have remained relatively consistent since the last meeting at all monitoring locations.







Surface Water

Surface water sampling of storages onsite continues to be carried out on a quarterly basis. Results since the last meeting indicate consistent water quality.

No wet weather discharges occurred during the period.

Complaints

One complaint was received during the reporting period from a neighbor of the Sunnyside Mine. The complaint was in regards to a metallic taste in a rain water tank. Arrangements have been made to test the tank water. Results have not yet been received.

Rehabilitation

No further rehabilitation has been undertaken at the site since the last meeting.

Minutes of the 25th Meeting of the Sunnyside Coal Mine Community Consultative Committee

Meeting Held: Wednesday 9th May 2018, 2:50pm

Venue: The meeting was held at the Sunnyside Coal Mine, following a site tour

1. Present and Apologies

Present: Michael Broekman (MB) (Chairperson)
Maddie Whitten (MW) (Environmental Officer- Whitehaven)
Craig Sullivan (CS) (Operations Superintendent/MEM- Whitehaven)
Liz Ferguson (LF) (Community Representative)

Apologies: Colleen Fuller (CF) (Gunnedah Shire Council Rep)
Ron Fuller (RF) Community Representative
Tim Muldoon (TM) (Manager Community Relations - Whitehaven)

2. Previous Minutes

Minutes of the previous meeting were adopted as a true record on the motion of MW and LF.

3. Business Arising

No business arising from previous minutes.

4. Operations Report

CS presented the operations report. 259 loss time injury free days at site, there have been no injuries onsite since commencement. The crew has increased from 7 to 8 full time Whitehaven Coal employees, with 1 programmed operator. Year to date the site has moved 1466 million bulk cubic metres of overburden waste, and has mined 183,200 tonnes of coal. *2,790 tonnes of coal has been hauled from site year to date. The current mine plan requires 350,000 tonnes of coal required for the financial year, with 10.5 hour shift lengths.

LF noted how clean the haul trucks have been, and CS stated that the site is very aware of dust and continuously checking the conditions at the coal crusher to manage dust. LF noted the site has found the happy medium of controlling dust and not wasting water.

5. Environmental Report

MW presented environmental results and records of complaints, which are attached in the Environmental Monitoring Report.

6. General Business

LF mentioned she was happy with blasting so far, not having had any odour or excessive dust at her property.

MB thanked CS for the site tour.

7. Next meeting

Next meeting set down for 8th August 2018, at 3pm, at the Namoi Valley Brickworks.

Meeting closed at 3:07 pm.

Michael Broekman - Chairperson

Sunnyside Coal Mine

Community Consultative Committee

Meeting #25

Environmental Monitoring Report

February 2018 – April 2018

Noise Monitoring

Operational noise monitoring, including road traffic noise, was conducted in Quarter 1 of 2018, and returned compliant results for each monitoring location. Attended monitoring for the site will continue quarterly.

Air Quality Monitoring

Deposited Dust

Deposited dust levels for the site since the last meeting are as follows:

Month	SD1 Ferndale	SD3 Plainview	SD4 Lilydale	SD5 Ivanhoe	SD6 Illili	SD7 Innisvale	SD8 Woodlawn
May 2017	0.4	0.3	0.9	1.7	0.7	0.6	0.3
June 2017	1.0	2.8	1.0	3.9	0.4	0.2	0.2
July 2017	0.7	2.5	0.4	4.5	2.6	0.7	0.3
August 2017	0.3	1.2	1.3	6.8	0.6	0.1	1.7
September 2017	0.8	0.9	0.4	0.4	0.9	0.8	0.4
October 2017	1.4	1.3	0.7	4.0	1.2	0.7	0.5
November 2017	1.0	3.1	0.4	1.4	11.7	0.8	1.4
December 2017	1.0	3.1	1.5	1.6	2.3	1.1	1.5
January 2018	1.0	2.4	2.5	4.6	1.1	1.4	1.5
February 2018	1.08	0.8	2.2	2.04	1.2	0.7	1.0
March 2018	4.0	14.2	1.2	11.9	4.7	2.6	0.8
April 2018	2.1	3.5	3.5	2.4	4.6	1.1	0.8
Average	1.2	3.0	1.3	3.8	2.7	0.9	0.9

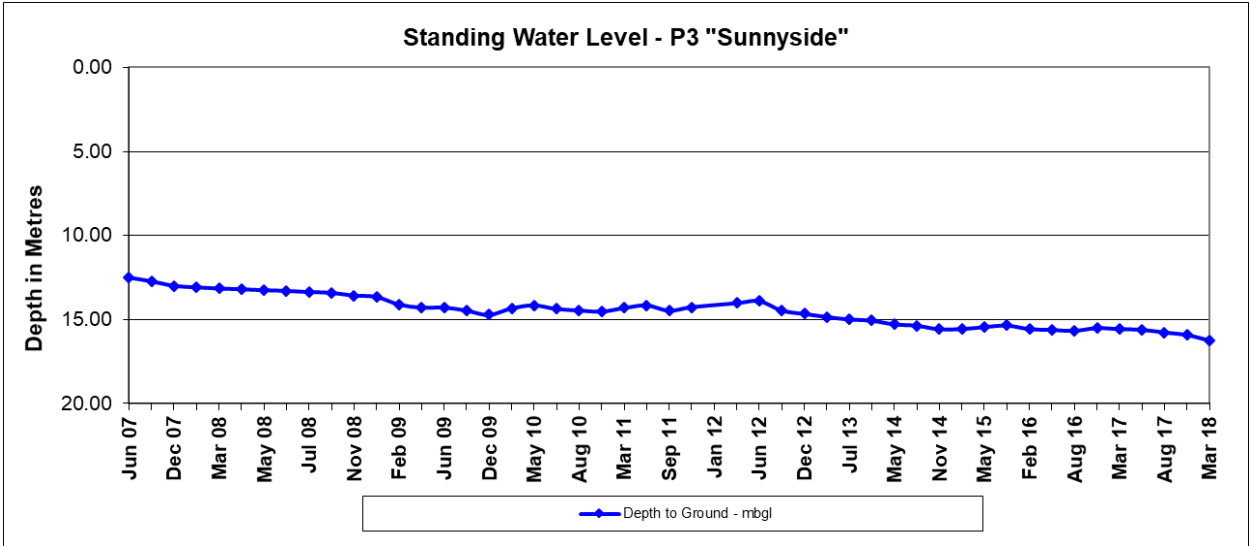
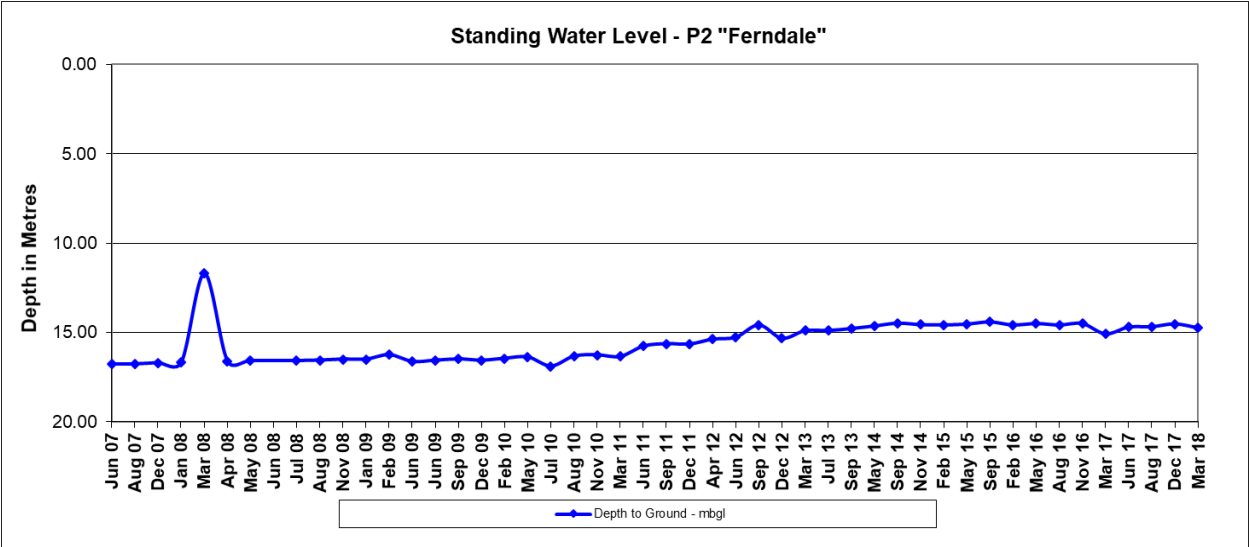
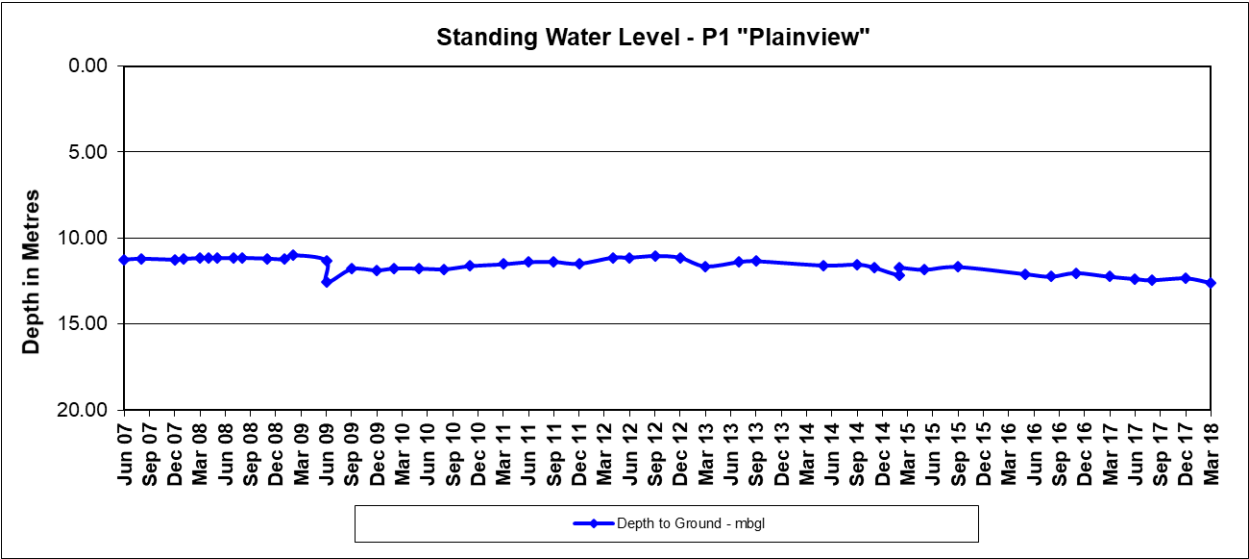
The annual averages for deposited dusts at all monitoring locations remain below the criteria of 4g/m²/month.

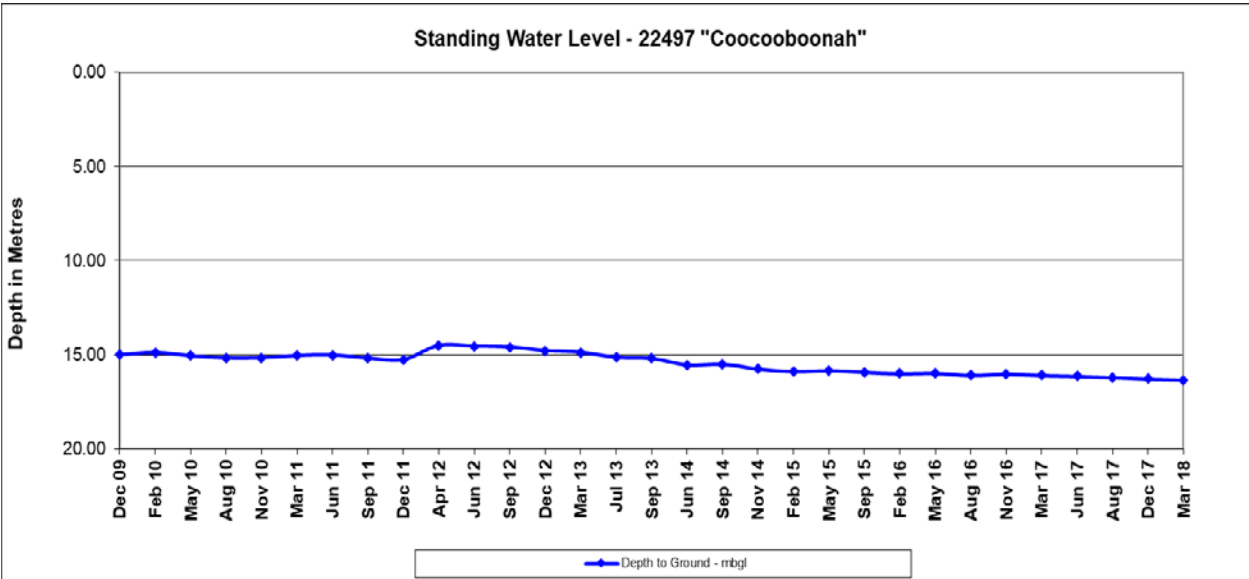
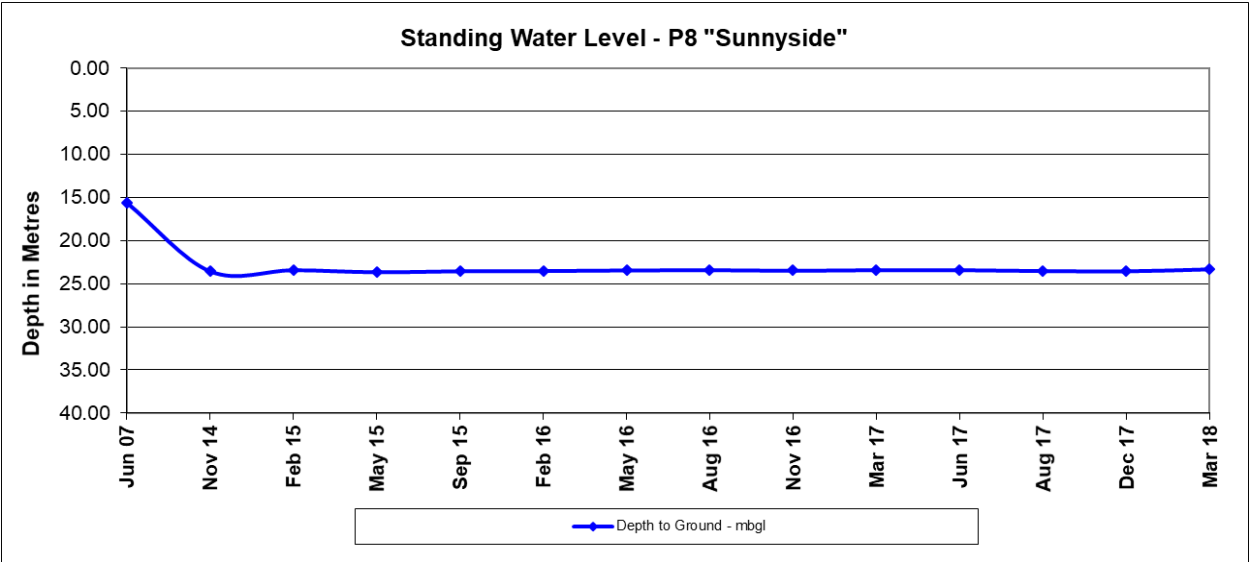
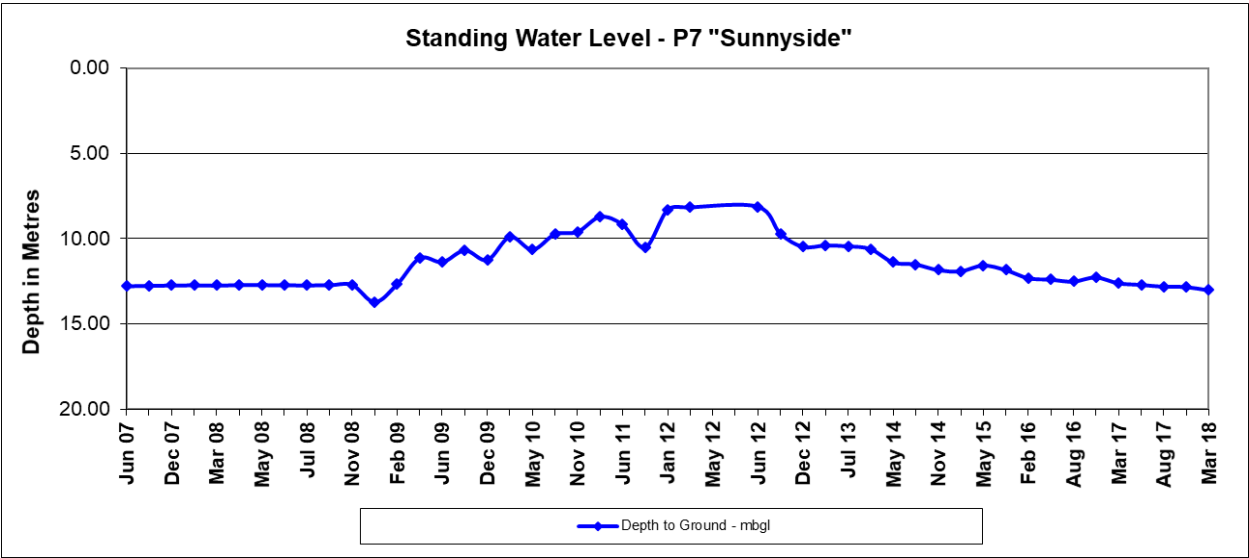
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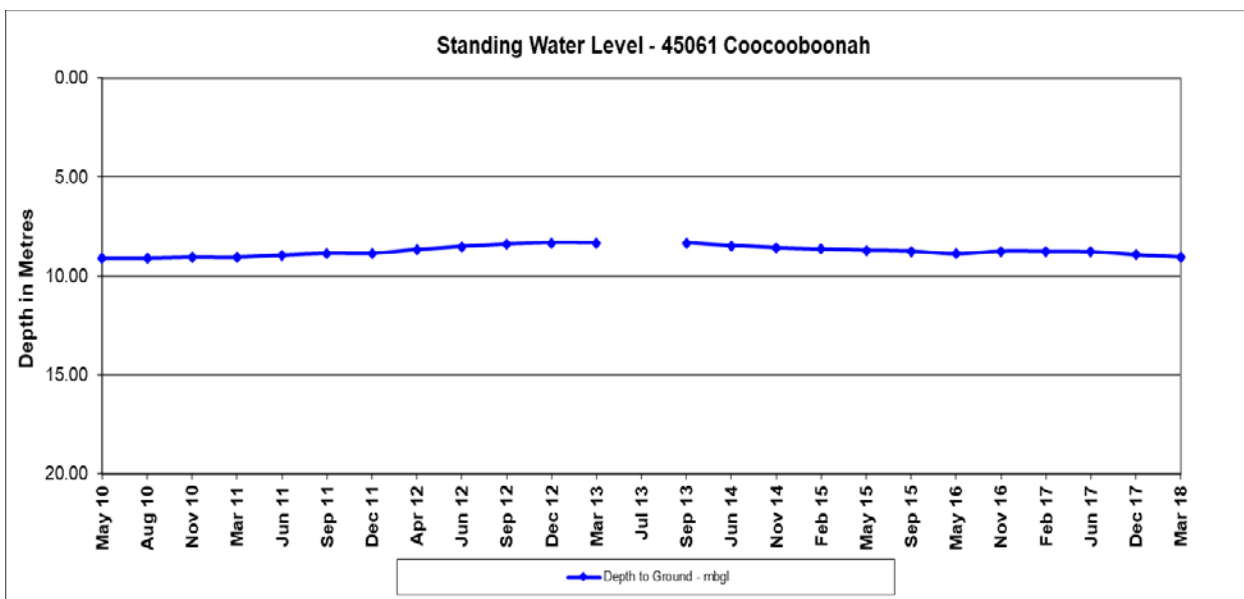
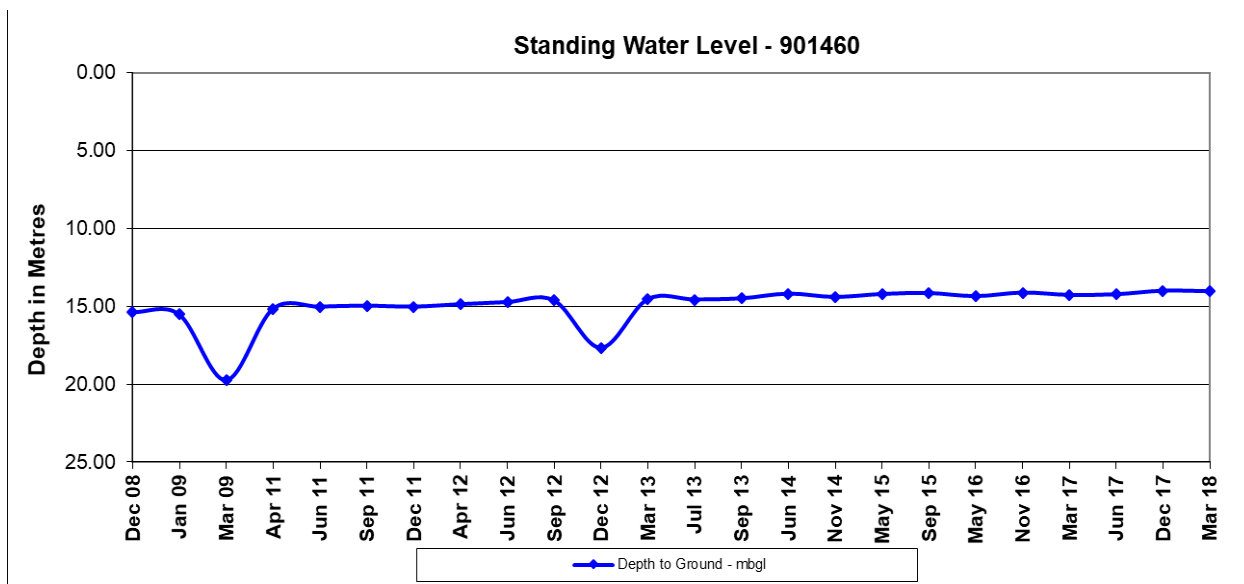
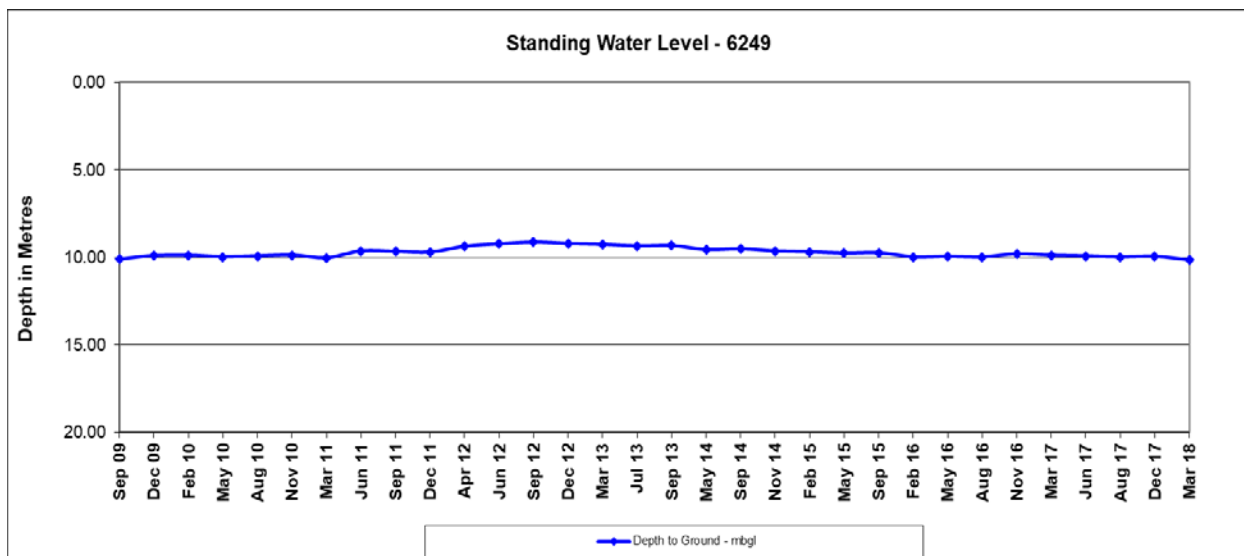
PM₁₀ measurements taken for the “Illili” High Volume Air Sampler (HVAS) are returning a running annual average of 12.53µg/m³, which is well below the annual average limit of 30µg/m³.

Groundwater Monitoring

Groundwater monitoring is undertaken from a range of monitoring piezometers and water bores both within and surrounding the mine site. Standing Water Level (SWL) checks are undertaken on a quarterly basis, with full water quality sampling undertaken on a 6 monthly basis. Standing water levels have remained consistent since the last meeting at all monitoring locations.







Surface Water

Surface water sampling of storages onsite continues to be carried out on a quarterly basis. Results since the last meeting indicate relative consistency for all parameters except electrical conductivity, which has increased at each site.

No wet weather discharges occurred during the period.

Complaints

No complaints have been received for the Sunnyside Coal Mine since the previous CCC meeting.

One complaint was received during the previous reporting period from a neighbor of the Sunnyside Mine. The complaint was in regards to a metallic taste in a rain water tank. Testing of the water and analysis of results determined the cause to be unrelated to the mine.

Rehabilitation

No further rehabilitation has been undertaken at the site since the last meeting. Additional planting is planned to be undertaken during winter.

**Minutes of the 26th Meeting of the
Sunnyside Coal Mine Community Consultative Committee**

Meeting Held: Friday 31st August 2018, 10:30am

Venue: The meeting was held at the Sunnyside Coal Mine

1. Present and Apologies

Present: Michael Broekman (MB) (Chairperson)
Maddie Whitten (MW) (Environmental Officer- Whitehaven)
Craig Sullivan (CS) (Operations Superintendent/MEM- Whitehaven)
Andrew Raal (AR) (Environmental Officer- Whitehaven)

Apologies: Liz Ferguson (Community Representative)
Tim Muldoon (TM) (Manager Community Relations - Whitehaven)

2. Previous Minutes

Minutes of the previous meeting were adopted as a true record on the motion of CS and MW.

3. Business Arising

No business arising from previous minutes.

4. Operations Report

CS reported that since the commencement of FY19 no coal has been mined on the site, only overburden, although 140,000 tonnes of coal currently remains on the coal stockpile. Total haulage YTD has been 48500 tonnes. The workforce on site has increased, with 8 full time Whitehaven Coal employees, and 2 labour hire employees. The roster for operators is currently 50 hours per week. To date the site has had 372 loss time injury free days.

5. Environmental Report

MW presented environmental results and records of complaints, which are attached in the Environmental Monitoring Report.

6. General Business

MW advised that an application has been submitted to the Department of Planning and Environment to modify the Sunnyside Project Approval. The modification seeks approval for an improved final landform with a free draining void. No other changes to the currently approved Project are being sought. The proposed modification will be placed

on public exhibition in September 2018. Following this modification Sunnyside will then be submitting a Closure MOP, which will involve consultation with the CCC.

7. Next meeting

Next meeting set down for 14th November 2018, at 3pm, at the Namoi Valley Brickworks.

Meeting closed at 10:55 am.

Michael Broekman - Chairperson

Sunnyside Coal Mine Community Consultative Committee Meeting #26

Environmental Monitoring Report May 2018 – July 2018

Noise Monitoring

Operational noise monitoring, including road traffic noise, was conducted in June 2018, and returned non-compliant results for two monitoring locations on the morning of 21st June. The noise consultants who undertook the monitoring (SLR Consulting) have suggested that the weather conditions at the time of the exceedances may have resulted in ‘enhanced noise propagating conditions’, based on the temperature and humidity readings at the time. This observation is supported by noise readings following the exceedance in conjunction with the meteorological conditions, which show a significant decrease in recorded noise when the ambient temperature increased and the humidity decreased.

Attended monitoring for the site will continue quarterly, and is due again in September 2018.

Air Quality Monitoring

Deposited Dust

Deposited dust levels for the site since the last meeting are as follows:

Month	SD1 Ferndale	SD3 Plainview	SD4 Lilydale	SD5 Ivanhoe	SD6 Illili	SD7 Innisvale	SD8 Woodlawn
August 2017	0.3	1.2	1.3	6.8	0.6	0.1	1.7
September 2017	0.8	0.9	0.4	0.4	0.9	0.8	0.4
October 2017	1.4	1.3	0.7	4.0	1.2	0.7	0.5
November 2017	1.0	3.1	0.4	1.4	11.7	0.8	1.4
December 2017	1.0	3.1	1.5	1.6	2.3	1.1	1.5
January 2018	1.0	2.4	2.5	4.6	1.1	1.4	1.5
February 2018	1.08	0.8	2.2	2.04	1.2	0.7	1.0
March 2018	4.0	14.2	1.2	11.9	4.7	2.6	0.8
April 2018	2.1	3.5	3.5	2.4	4.6	1.1	0.8
May 2018	0.3	1.5	0.1	0.9	0.8	0.7	0.3
June 2018	1.5	2.4	1.4	2.8	1.2	0.6	0.6
July 2018	1.2	0.8	0.6	2.2	0.8	0.8	0.4
Average	1.3	2.9	1.3	3.4	2.6	1.0	0.9

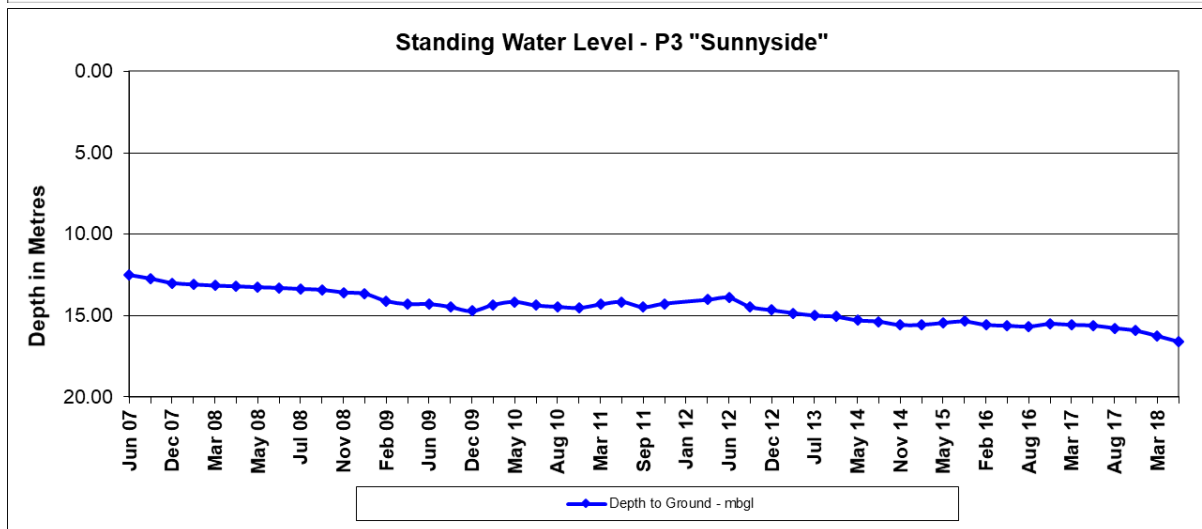
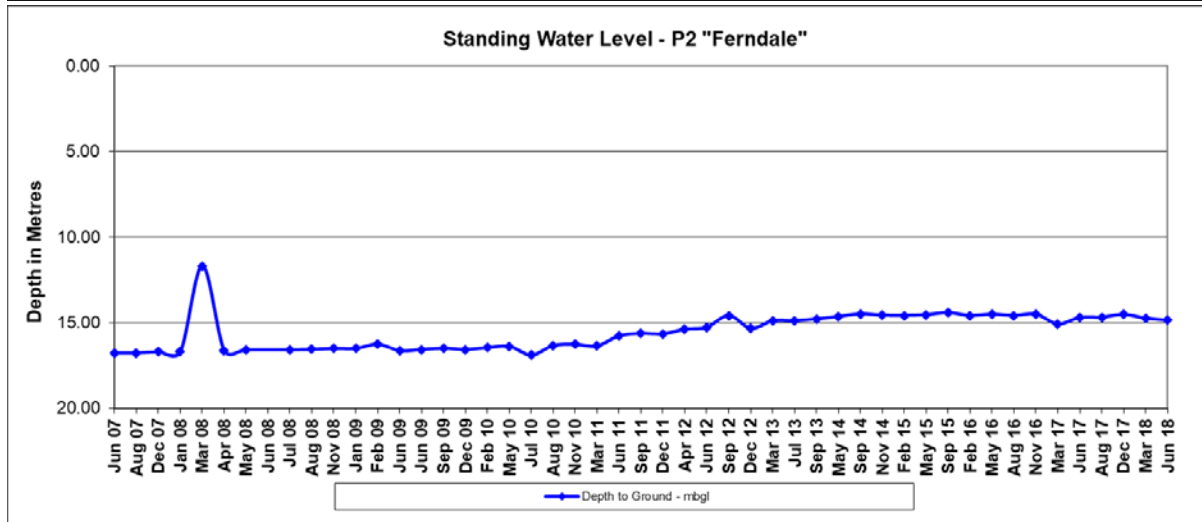
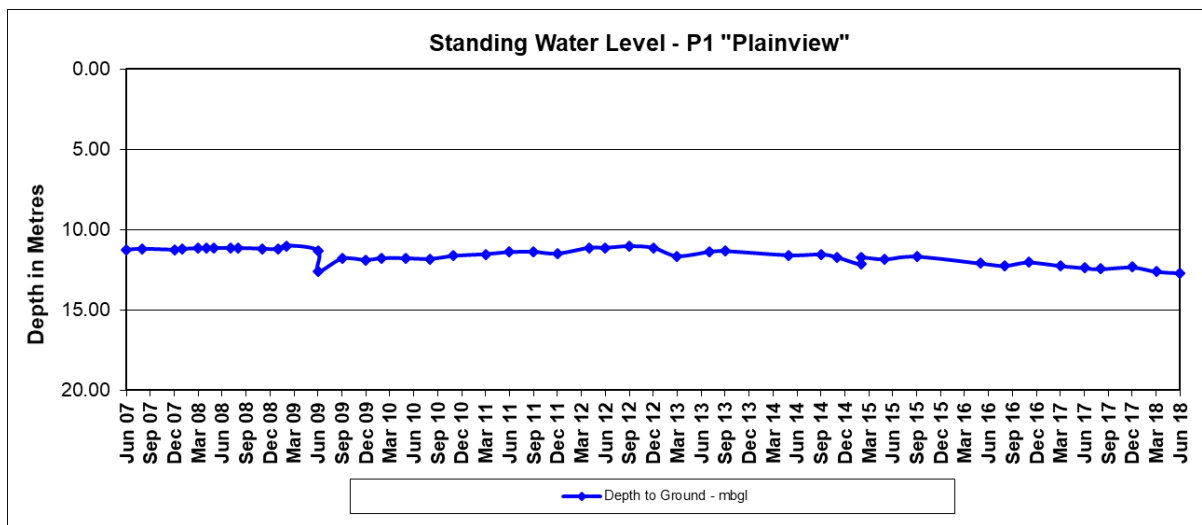
The annual averages for deposited dusts at all monitoring locations remain below the criteria of 4g/m²/month.

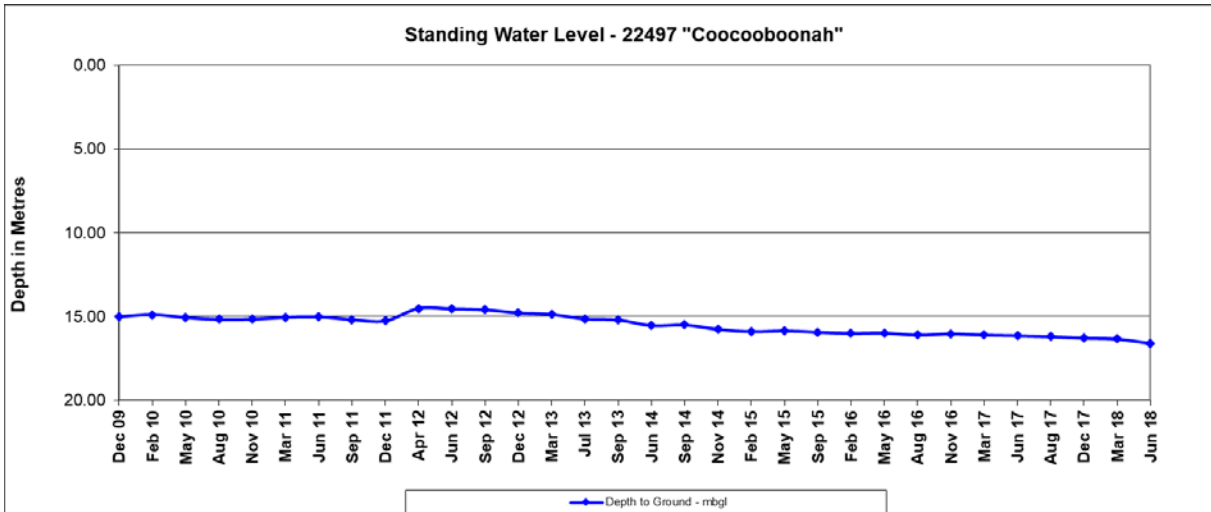
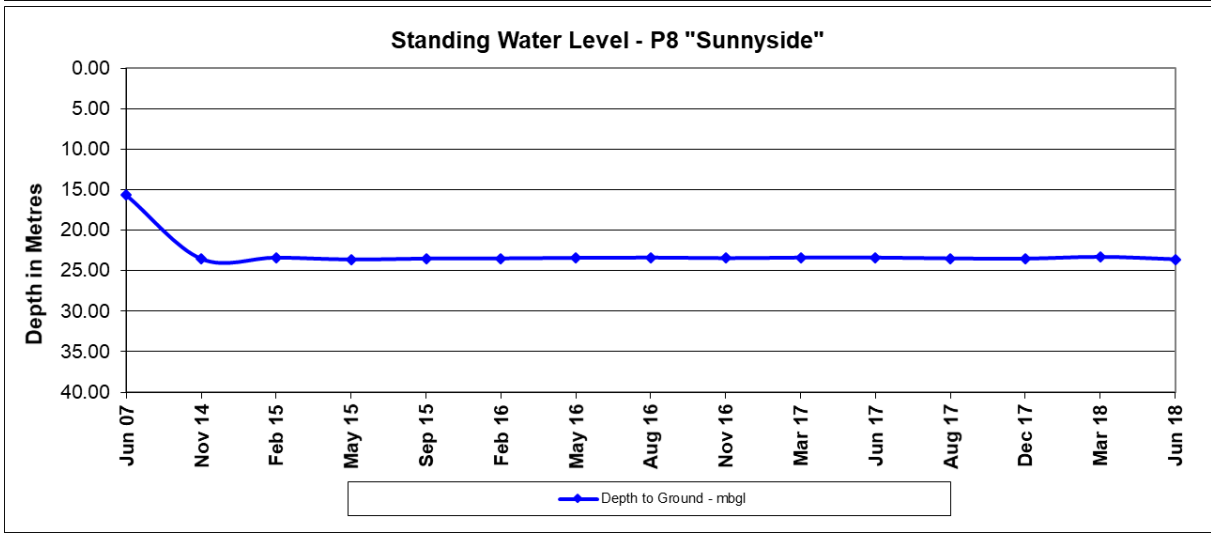
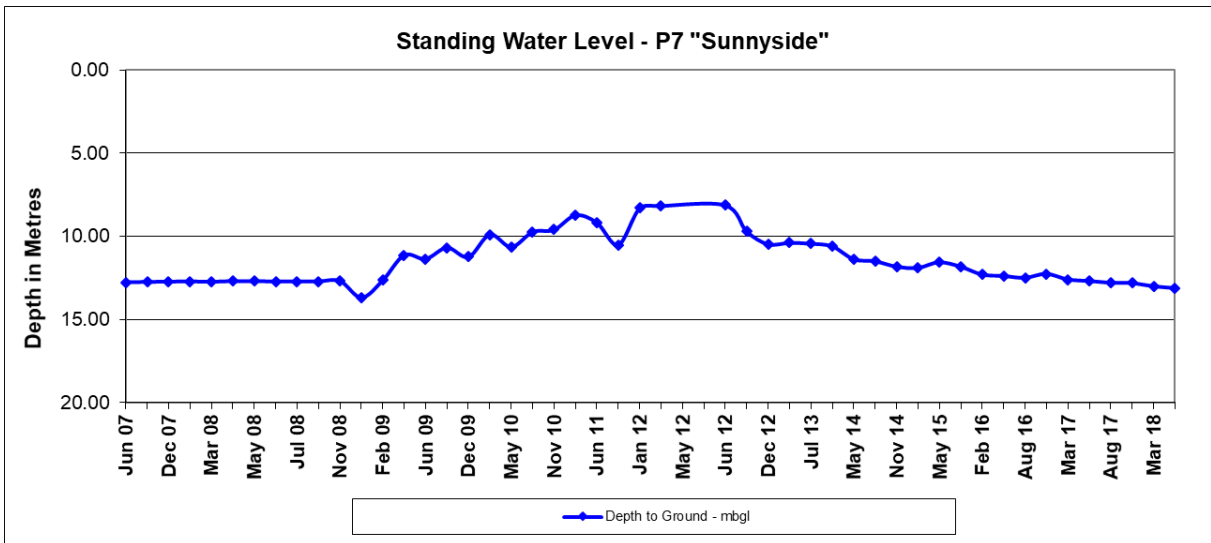
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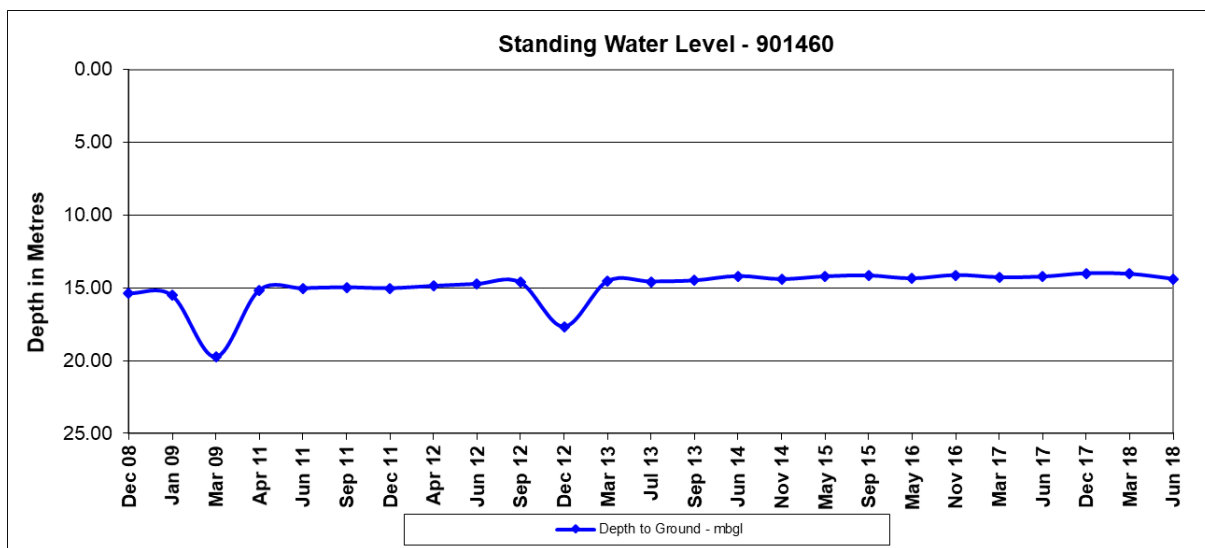
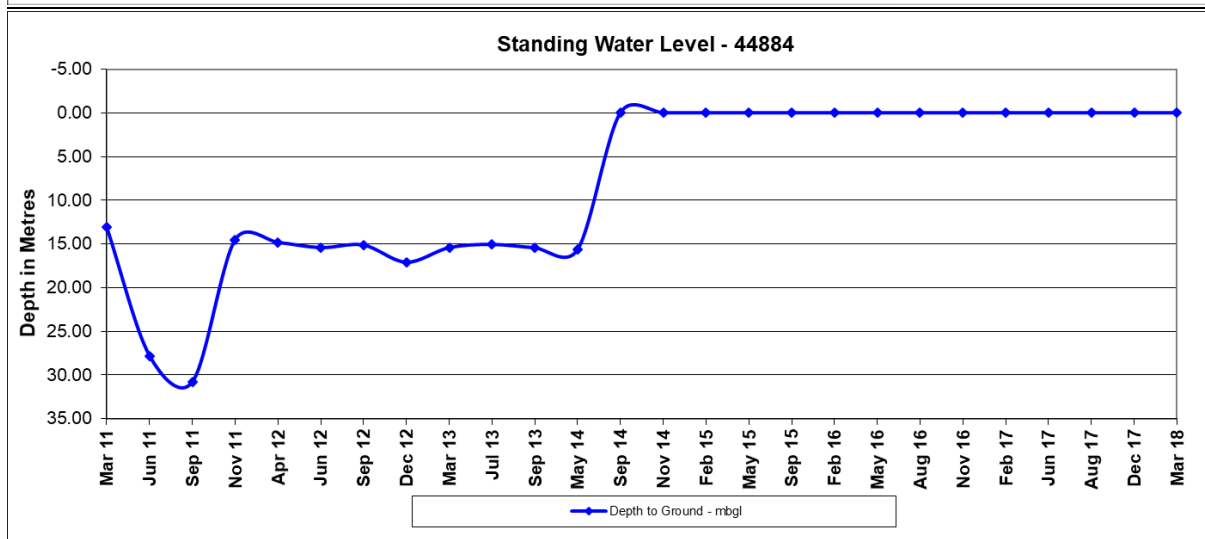
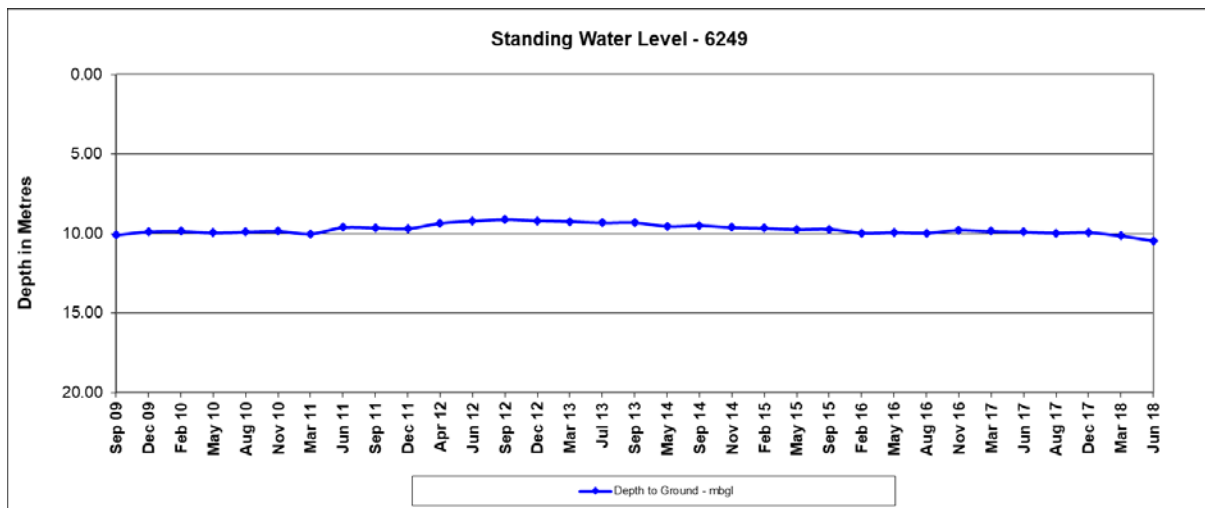
PM₁₀ measurements taken for the “Illili” High Volume Air Sampler (HVAS) are returning a running annual average of 12.73µg/m³, which is well below the annual average limit of 30µg/m³.

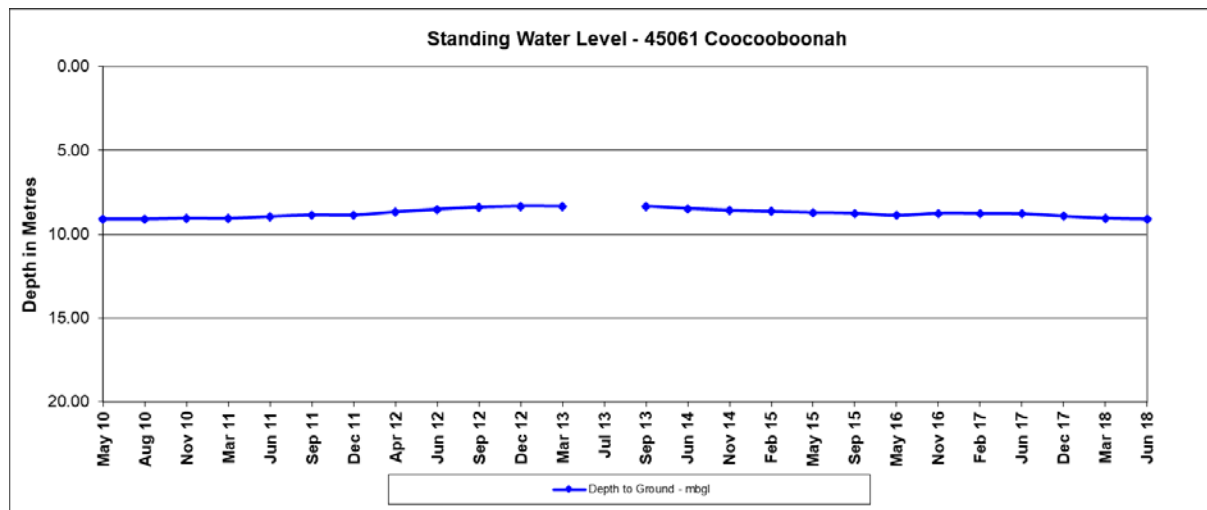
Groundwater Monitoring

Groundwater monitoring is undertaken from a range of monitoring piezometers and water bores both within and surrounding the mine site. Standing Water Level (SWL) checks are undertaken on a quarterly basis, with full water quality sampling undertaken on a 6 monthly basis. Standing water levels have remained consistent since the last meeting at all monitoring locations.









Surface Water

Surface water sampling of storages onsite continues to be carried out on a quarterly basis, however during the previous round of monitoring sampling was only able to be undertaken within the void, and for the production bore storage, with all other water storages onsite remaining dry. Water quality within the void remained relatively consistent, with a small decrease seen in pH and electrical conductivity.

No wet weather discharges occurred during the period.

Complaints

No complaints have been received for the Sunnyside Coal Mine since the previous CCC meeting.

Rehabilitation

No further rehabilitation has been undertaken at the site since the previous CCC meeting, although enhancement plantings for the onsite koala corridors were undertaken in June. Watering of these plantings has continued on a fortnightly basis to maximize survival rates.

Minutes of the 27th Meeting of the Sunnyside Coal Mine Community Consultative Committee

Meeting Held: Wednesday 14th November 2018, 15:00am

Venue: The meeting was held at Namoi Valley Brickworks

1. Present and Apologies

Present: Michael Broekman (MB) (Chairperson)
Craig Sullivan (CS) (Operations Superintendent/MEM- Whitehaven)
Andrew Raal (AR) (Environmental Officer- Whitehaven)
Andrew Johns (AJ) (Gunnedah Shire Council)
Ron Fuller Ron Fuller (RF) Community Representative
Colleen Fuller Colleen Fuller (CF) (Gunnedah Shire Council Rep)
Liz Ferguson (LF) (Community Representative)

Apologies: Tim Muldoon (TM) (Manager Community Relations - Whitehaven)

2. Previous Minutes

Minutes of the previous meeting were adopted as a true record on the motion of AR and MB.

3. Business Arising

No business arising from previous minutes.

4. Operations Report

CS gave detailed production report for Year to date:

- 831,000 bench m³ of overburden stripped
- 80,000 t coal mined
- 147,000t transported to Gunnedah CHPP
- 448 loss time injury free days.

Sunnyside is the second most productive coal mine in NSW in tonnes mined per person.

Production is scheduled to cease in October 2019, after which current planning is to rehabilitate the mine using in-house equipment and personal.

5. Environmental Report

AR presented environmental results and records of complaints, which are include in the Environmental Monitoring Report.

AR presented update on the final rehabilitated landform that is being submitted for approval. Alteration to final landform is to make the final pit void free draining, which is a positive outcome for the environment. Submission of the closure Mine Operations Plan (MOP) is planned for Friday 16th November 2018.

Sunnyside mine wildlife corridor establishment program was briefly explained to the committee by AR. CS stated that approximately 1,900 trees were planted in June 2018. Latest assessment indicates that there is approximately 94% survival rate. Tube stock are being watered every two weeks.

Question raised on water usage and where Sunnyside mine water is sourced from. CS reported that majority of water is from in pit dam and some water is also sourced from the Werona bore.

6. General Business

CS proposed change to traffic at entrance to Sunnyside mine. Proposal is to consider the mine entrance as a 'T'-junction where mine traffic leaving the mine site would have to yield to vehicles travelling on Coocooboonah Ln. Proposal was agreed to by the committee. AJ stated that approval is required by Gunnedah Shire and Roads and maritime authorities.

AR stated that illegal dumping had occurred in September on Coocooboonah Ln. on the southern side of the unsealed portion of the road. Committee members noted that there have been many instance of dumping in the area. A burnt out car is currently on the side of the road. Recommendation was made to Gunnedah shire Council to put up signage and possibly cameras along the lane.

Motion was raised to only hold the CCC meeting 6 monthly, motion was defeated, all representatives voted to keep the meeting quarterly.

7. Next meeting

Next meeting scheduled for Wednesday 13th February 2019, at 3:30pm, at the Namoi Valley Brickworks.

Meeting closed at 15:45

Michael Broekman – Chairperson

Environmental Monitoring report to CCC

Noise Monitoring

A written warning from the EPA was received for the noise exceedance in June 2018. Was once off noise exceedance with follow-up monitoring on the same day a few hours later found levels to be within requirements.

Attended monitoring and sound power testing of all major equipment was conducted in September 2018, no non-conformance's were found.

Air Quality Monitoring

Deposited Dust

Deposited dust levels for the site since the last meeting are as follows: The annual averages for deposited dusts at all monitoring locations remain below the criteria of 4g/m²/month. Twelve month mean for all monitoring points is below 4g/m²/month. Ferndale had a high reading in September which was upwind from Sunnyside mining operations. High dust is attributed to farming activities.

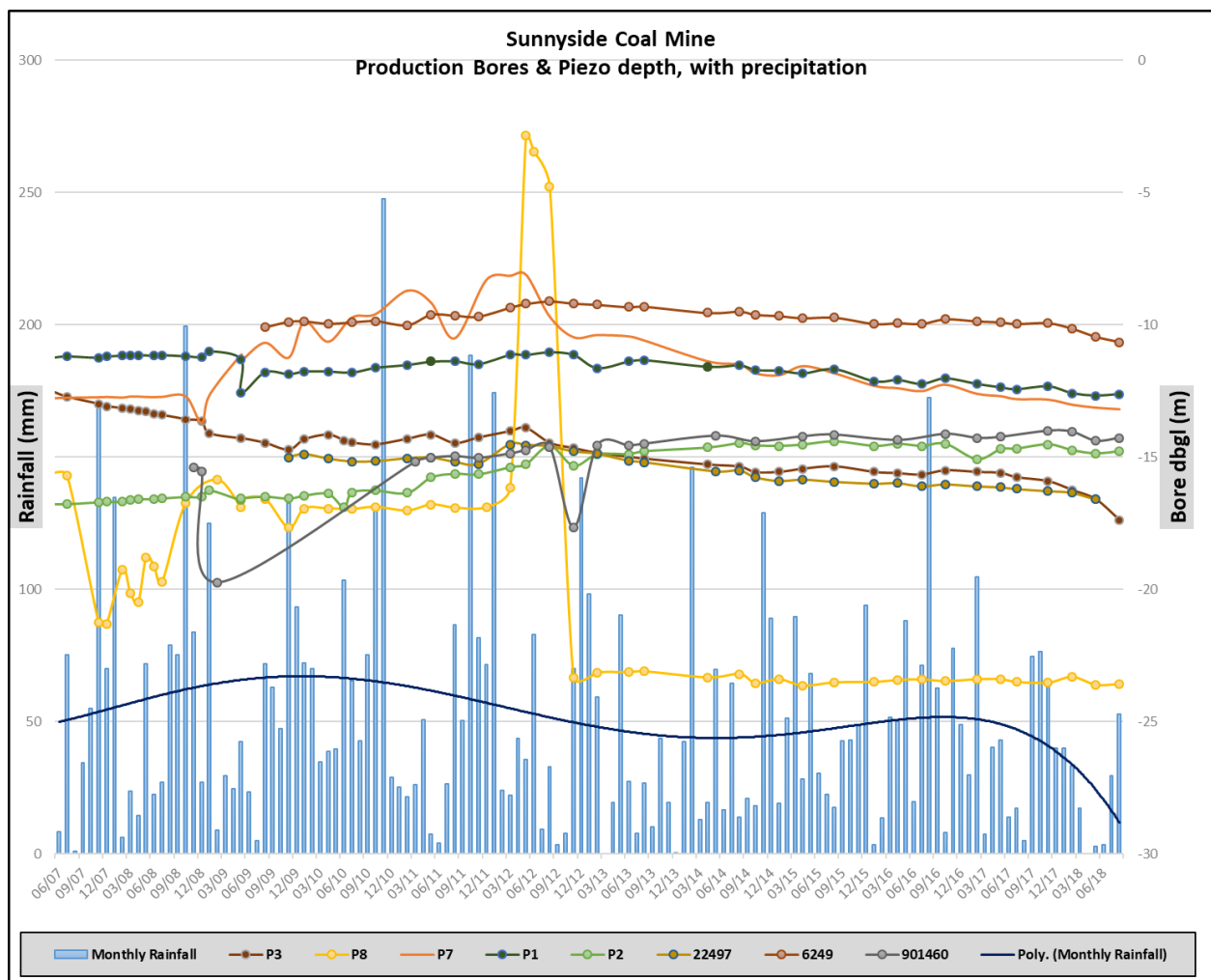
Month	SD1 Ferndale	SD3 Plainview	SD4 Lilydale	SD5 Ivanhoe	SD6 Illili	SD7 Innisvale	SD8 Woodlawn
Nov-17	1	3.1	0.4	1.4	11.7	0.8	1.4
Dec-17	1	3.1	1.5	1.6	2.3	1.1	1.5
Jan-18	1	2.4	2.5	4.6	1.1	1.4	1.5
Feb-18	1.08	0.8	2.2	2.04	1.2	0.7	1
Mar-18	4	14.2	1.2	11.9	4.7	2.6	0.8
Apr-18	2.1	3.5	3.5	2.4	4.6	1.1	0.8
May-18	0.3	1.5	0.1	0.9	0.8	0.7	0.3
Jun-18	1.5	2.4	1.4	2.8	1.2	0.6	0.6
Jul-18	1.2	0.8	0.6	2.2	0.8	0.8	0.4
Aug-18	1.2	0.9	0.7	1	5.3	1.3	1.5
Sep-18	20.6	3.2	2	1.6	2.4	1.4	1.3
Oct-18	3.6	2	1.3	1.7	1	1.4	0.8
Average	3.2	3.2	1.5	2.8	3.1	1.2	1.0

PM₁₀ Data

PM₁₀ measurements taken for the "Illili" High Volume Air Sampler (HVAS) are returning a running annual average of 16.58µg/m³, which is well below the annual average limit of 30µg/m³.

Groundwater Monitoring

Groundwater monitoring is undertaken from a range of monitoring piezometers and water bores both within and surrounding the mine site. Standing Water Level (SWL) checks are undertaken on a quarterly basis, with full water quality sampling undertaken on a 6 monthly basis. Standing water levels have dropped by 10cm, due to reduced rainfall, there is a very slight downward trend since September 2017. There has been a dramatic decline in monthly rainfall.



Surface Water

Surface water sampling of storages onsite continues to be carried out on a quarterly basis. Dams were dry except for pit void dam and actively used northern dam. There was no change in water quality.

No wet weather discharges occurred during the period.

Complaints

No complaints have been received for the Sunnyside Coal Mine since the previous CCC meeting.

Rehabilitation

No further rehabilitation has been undertaken at the site since the previous CCC meeting, although enhancement plantings for the onsite koala corridors were undertaken in June. Watering of these plantings has continued on a fortnightly basis to maximize survival rates. Sunnyside closure MOP (Mine Operational Plan) received an extension till January 2019. Awaiting for final approval to alter the agreed final landform to make the mine void free draining, which will greatly benefit post closure land use of grazing and wildlife habitat.