

**MOOLARBEN COAL OPERATIONS - COMMUNITY CONSULTATIVE COMMITTEE
MEETING No. 40**

Date: Tuesday 14th March 2017
Time: 4:08pm
Location: Moolarben Coal Open Cut Administration Board Room, Ulan
Attendance: Independent Chairperson
Lisa Andrews (LA)

Community Members

Aleshia Lonsdale (AL) (Mudgee Local Aboriginal Council) [arrived at 4.10pm]
Andrew Palmer (AP)
Bev Smiles (BS) (Mudgee District Environment Group)
Julia Imrie (JI)
Cr John O'Neil (JO) (Mid-Western Regional Council)

Moolarben Coal Operations

Steve Archinal (SA) [left at 5.20pm]
David Gibson (DG)
Graham Chase (GC)
Trent Cini (TC)
Scott Fittler (SF)
Michelle Cavanagh (MCa)
Mathew Croake (MCR)

Apologies

David Stokes (DS)
Annette Riley (AR) (Ulan Public School)

A hard copy of the Agenda, Previous Meeting Minutes, and Meeting 40 CCC Presentation was provided to all meeting attendees.

1. Introduction and Welcome

Lisa Andrews (LA) confirmed she is an approved Independent Chairperson approved by the Department of Environment and Planning and engaged by Moolarben Coal Operations (MCO) to chair the CCC meeting.

LA introduced Councillor John O'Neill from Mid-Western Regional Council. Introductions and backgrounds by each member of the CCC were provided.

LA noted that Annette Riley had submitted her resignation from the CCC and has gone on extended leave and unlikely to return to Ulan Public School.

GC expressed appreciation for ARs contribution to the CCC and especially to the Ulan Public School and district. A small gift has been purchased to thank AR on behalf of the CCC and MCO. GC will deliver to AR.

2. Apologies

David Stokes (DS)

Annette Riley (AR)

3. Confirmation of Previous Meeting Minutes

LA advised that confirmation of previous meeting minutes is no longer required as per the Department of Planning and Environment Community Consultative Committee Guidelines. However advised that the finalised minutes were distributed to CCC members on 30 January 2017.

4. Business Arising from Previous Minutes

Responses provided to action items from meeting 39.

Meeting 39 Action 1 – MCO to provide a breakdown of complaint types moving forward

GC – Complaint type breakdown provided in Meeting 40 presentation.

Meeting 39 Action 2 – MCO to provide statistics on disturbed land and rehabilitated land at the next meeting

GC – Currently ~1000ha disturbed with approximately 180ha rehabilitated excluding temporary rehabilitation. Rehabilitation statistics are provided in the Annual Review.

Meeting 39 Action 3 – MCO to provide information regarding train movements for 2016, including maximum per day and average.

GC – Train movements are reported in the Annual Review. The maximum number of train movements per day in 2016 was seven, with an average of three train movements per day. There was a total of 1099 train movements in 2016.

Meeting 39 Action 4 – Members' names, position and email addresses to be placed on MCO website.

GC – MCO currently updating website and details will be included on revised website.

BS asked how many MCO employees were released to fight the February bushfires. GC advised that operations at MCO ceased at 1pm on 12.02.17 and all non-essential personnel were free to leave site, including those who volunteered to fight the fires. MCO personnel were utilised as required, for example; road closures.

Meeting 40 Action 1 – MCO to provide numbers of trained firefighters employed by MCO and number released from duties during duration of fires.

Jl asked about the status of the revision of the Water Management Plan. GC advised the Plan is still with the Department of Planning and Environment for review.

Jl asked about groundwater seepage calculations. GC advised groundwater seepage would be reported in the Annual Review.

Jl asked the status of the Drip Deed. GC advised there had been no update on the Drip Deed since Meeting 39.

Jl asked the long term plan for the earth mound located near the product coal stockpiles due to its close proximity to the Goulburn River. GC advised the earth mound drains to internal water management system and will soon be reshaped, topsoiled and revegetated. The material will be used in the final rehabilitation of the site.

5. Correspondence

Correspondence to the CCC since meeting 39 included the following:

- 12/12/16 – Email from Chair to CCC members with the draft minutes from December 2016 meeting
There were emails backwards and forwards to Julia, Bev & Graham with some amendments being incorporated into the final version of the minutes.
- 13/01/17 – Email from Chair to GC, with the finalised minutes for posting on the Moolarben website.
- 09/02/17 – Email from Chair to CCC members forwarding on the Department of Planning and Environment’s media release on the proposed Planning Legislation changes.
- 25/02/17 – Email Chair to CCC members providing notice and agenda for March 2017 meeting.
- 06/03/17 – Email from Annette Riley to Chair announcing resignation from the CCC.
- 06/03/17 Email from Chair to AR thanking AR for her time and contribution to the CCC.
- 13/03/17 Email from Chair to CCC reminding of Meeting 40

LA moved the Correspondence. GC seconded the Correspondence.

6. CCC Update Presentation

GC provided an update on community, visitors to site, donations, operations and exploration, approvals, Underground Project update, employment and Emergency Services collaboration.

Jl asked about the timeframe for commencement of operations in open Cut 3. GC advised operations are planned to commence in 2018.

BS asked whether resource definition will alter Moolarben’s operations. GC advised the resource definition informs product type, predicted yields, geological anomalies, and provide confidence in the resource quality.

Jl asked what the current planned work the Northern Borefields drilling would entail and the associated impacts.

GC advised that the planning of the works is in progress and the works would include boreholes and piping as currently approved.

Meeting 40 Action 2 – MCO to provide update on planned works in the Northern Borefields area.

TC provided an update on environmental monitoring, rehabilitation, and community complaints.

Meeting 40 Action 3 – MCO to ensure all presentation slides are available on the MCO website.

Jl asked about MCO’s reject volumes. GC advised that reject volume depends on yield, with an estimated average of approximately 10% reject to product.

Jl asked about MCO’s water usage per tonne of coal produced. GC advised the amount varies dependent on yield and reject characteristics, and may be between 80 and 120L/tonne.

BS asked whether the half million tonne increase in coal through the CHPP would only be for 2017. GC advised that whilst the conveyor systems are being constructed for the Underground operation the underground coal would be processed via the CHPP to transport it to the product stockpiles.

Jl asked whether MCO had encountered any issues with rehabilitating the cliff cuttings (high walls) to the natural landform currently visible. GC advised areas in Open Cut 2 had recently been rehabilitated tying in to natural ground and will be monitored for ongoing performance over time.

GC provided an update on the Open Cut Optimisation Modification.

General discussion on the Modification. BS asked the reason for the increase in disturbance. GC advised that disturbance related to further resource delineation and opportunities to improve operational safety and efficiency. GC advised the ROM tonne would increase, realising efficiency gains achieved. Jl questioned how Moolarben Road will be impacted. GC advised the road will either be closed or diverted.

GC provided an employment update.

AP questioned the total workforce numbers. GC advised MCO employs approximately 650 Full-Time Equivalent employees.

Jl questioned whether any workers camp would be required. GC confirmed a workers camp is not required.

7. General Business

JO thanked MCO on behalf of the Mudgee Race Club for use of the MCO marquees.

JO questioned the recent reduction in community complaint. TC provided an overview to JO regarding noise management at MCO.

BS questioned whether MCO had recently acquired private properties. GC confirmed that this had occurred.

JO questioned the increase in production as part of the Open Cut Modification and where additional water would be sourced from. GC advised that a Site Water Balance will be included in the Environmental Assessment for the Modification. GC further advised that MCO has a water sharing agreement with UCML.

Meeting 40 Action 4 – MCO to provide water volume taken from UCML for 2016.

Jl question MCO's policy on maintenance of the shared access road. GC advised that MCO does not have a policy on maintenance of Council roads. JO advised that he would raise the matter at the next Council Meeting.

Jl questioned how the Annual Review would be distributed to members of the CCC.

Meeting 40 Action 5 – CCC members to advise in which format they would like to receive the Annual Review.

BS questioned the Vegetation Clearance Protocol and whether pre-clearance reports are generated. This was confirmed. BS requested that the CCC be presented with a sample copy of a pre-clearance report.

Meeting 40 Action 6 – MCO to provide details on the Vegetation Clearance Protocol and example of pre-clearance report content.

LA distributed Pecuniary Interest forms in addition to the CCC Code of Conduct for completion and return.

Meeting 41 to cover specific aspects of the Annual Review.

Next Meeting: 13th June 2017 – 4:00pm.

Meeting Closed at 5:43pm

Community Consultative Committee Update

March 2017



Community Support Program 2017



Need funding?

Moolarben Coal, supporting community initiatives.

Moolarben Coal is a proud member of the local community.

Through our Community Support Program we can help fund your community project, event or activity.

Call for applications:

Applications close

Friday, 7 April 2017

Visit moolarbencoal.com.au for an application and more information.

Since 2010, Moolarben Coal has distributed more than \$980,000 in community grants and sponsorships in the Mudgee region.

Community Update

- Parkrun Mudgee
- Mudgee High School
- Mudgee Triathlon Club



- Bushfire support
- Life Skills

Moolarben Coal Celebrity Golf Classic

- **\$21000 raised** for Pioneer House Nursing Home, Mudgee Hospital, Mudgee Men's Shed & Mudgee Junior Golf
- **Total funds raised by this event since 2011 \$117,000**



Moolarben Visitors

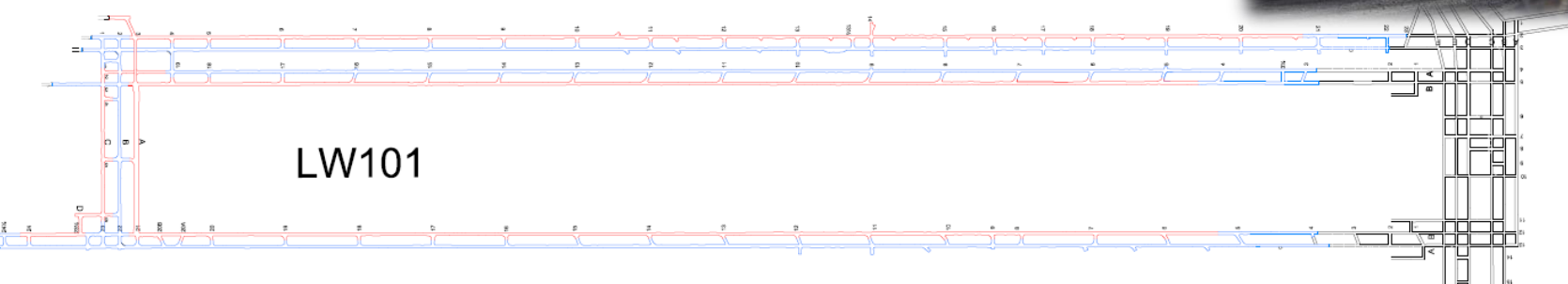
- **Clontarf Foundation Site Visit**



- **Dubbo South Academy**
- **Delroy Academy**
- **Senior Academy**

Operational Update

- Mining operations in OC2 and OC4.
- Overburden placement in OC2 and OC4.
- Landform shaping OC1 and OC4.
- UG1 development (~20km).
- Resource definition in OC3 & 4
- Northern borefield



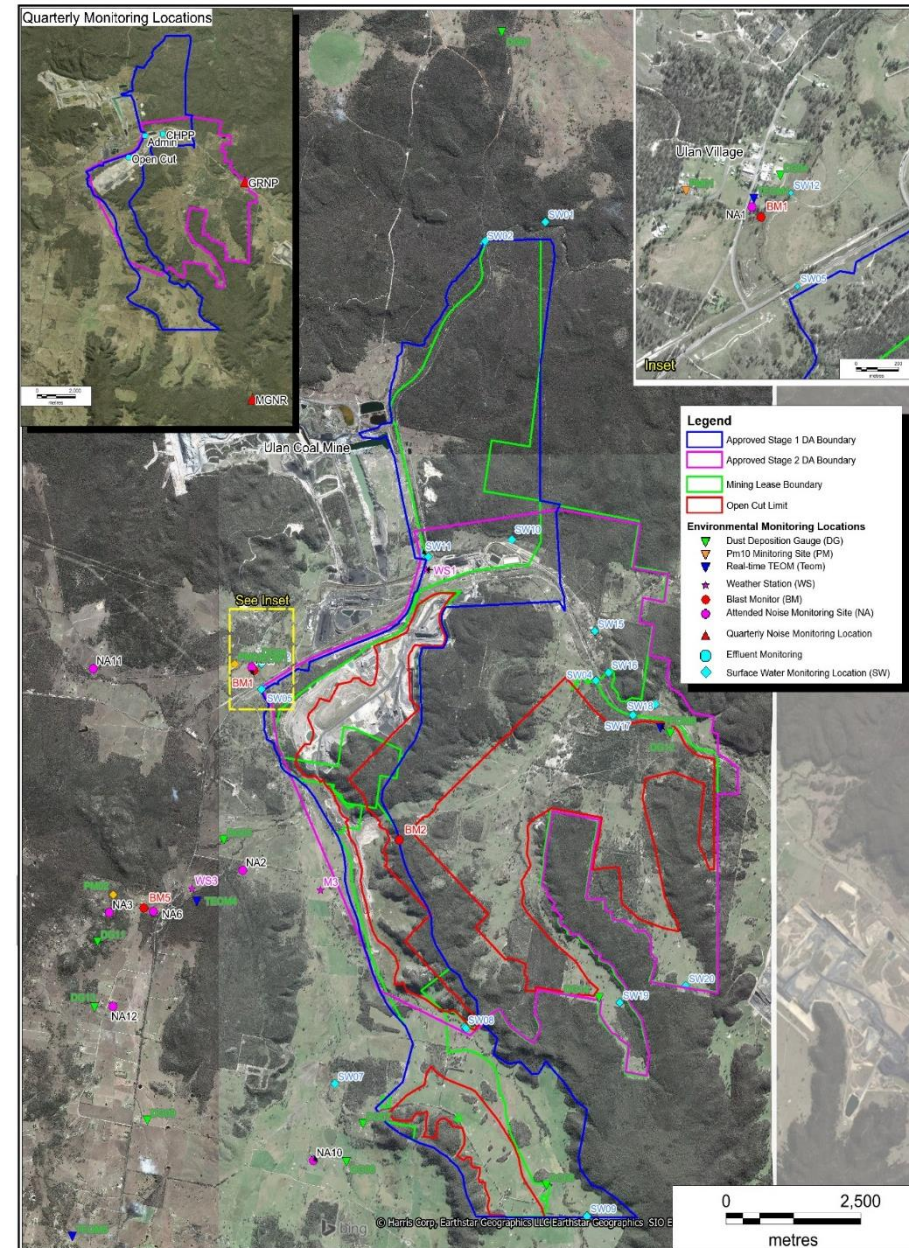
Exploration Update

- Exploration drilling undertaken in OC3 and OC4
- Exploration commenced in UG4
- Exploration rehabilitation and monitoring activities have continued during the period.

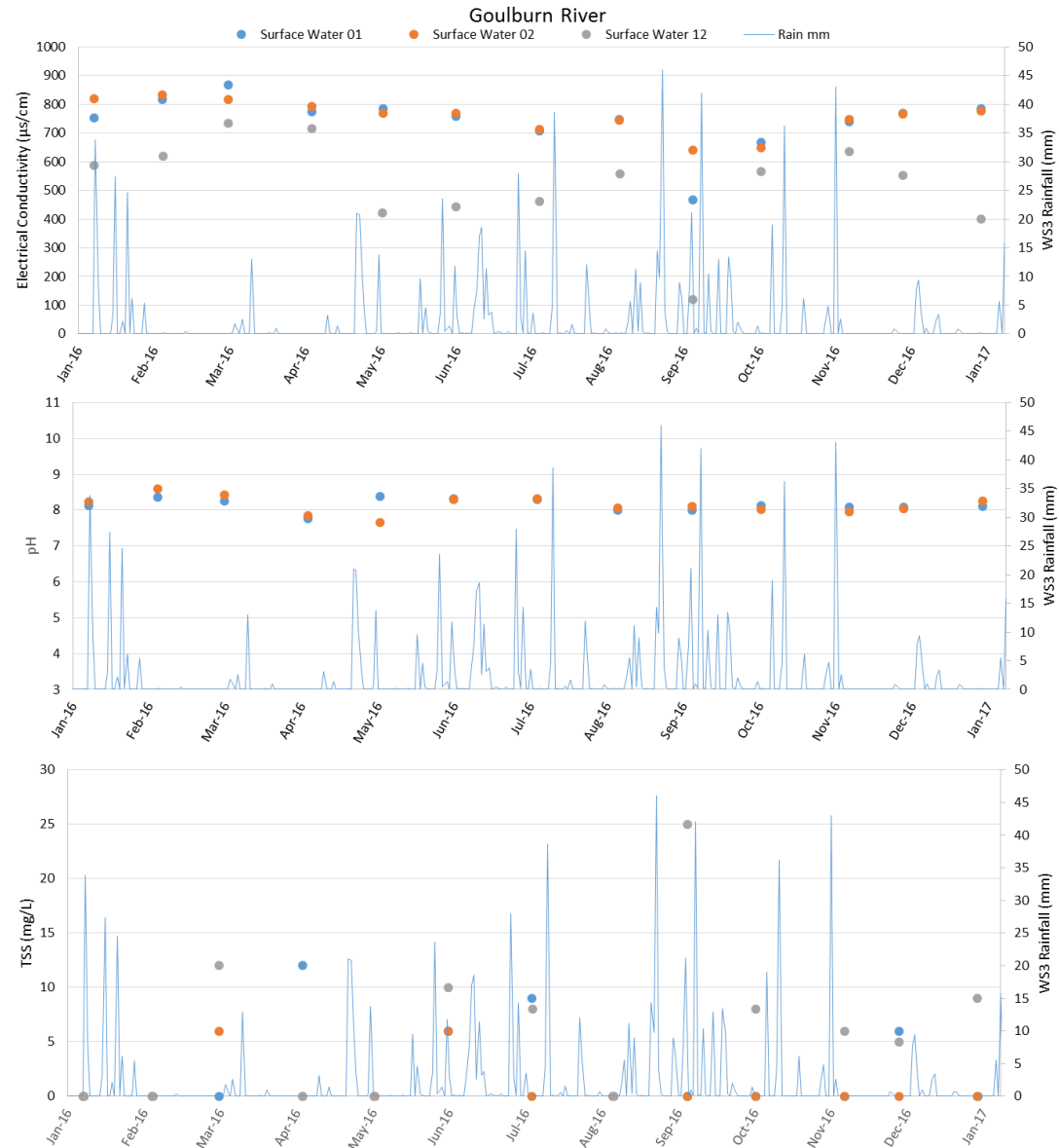


Environmental Monitoring

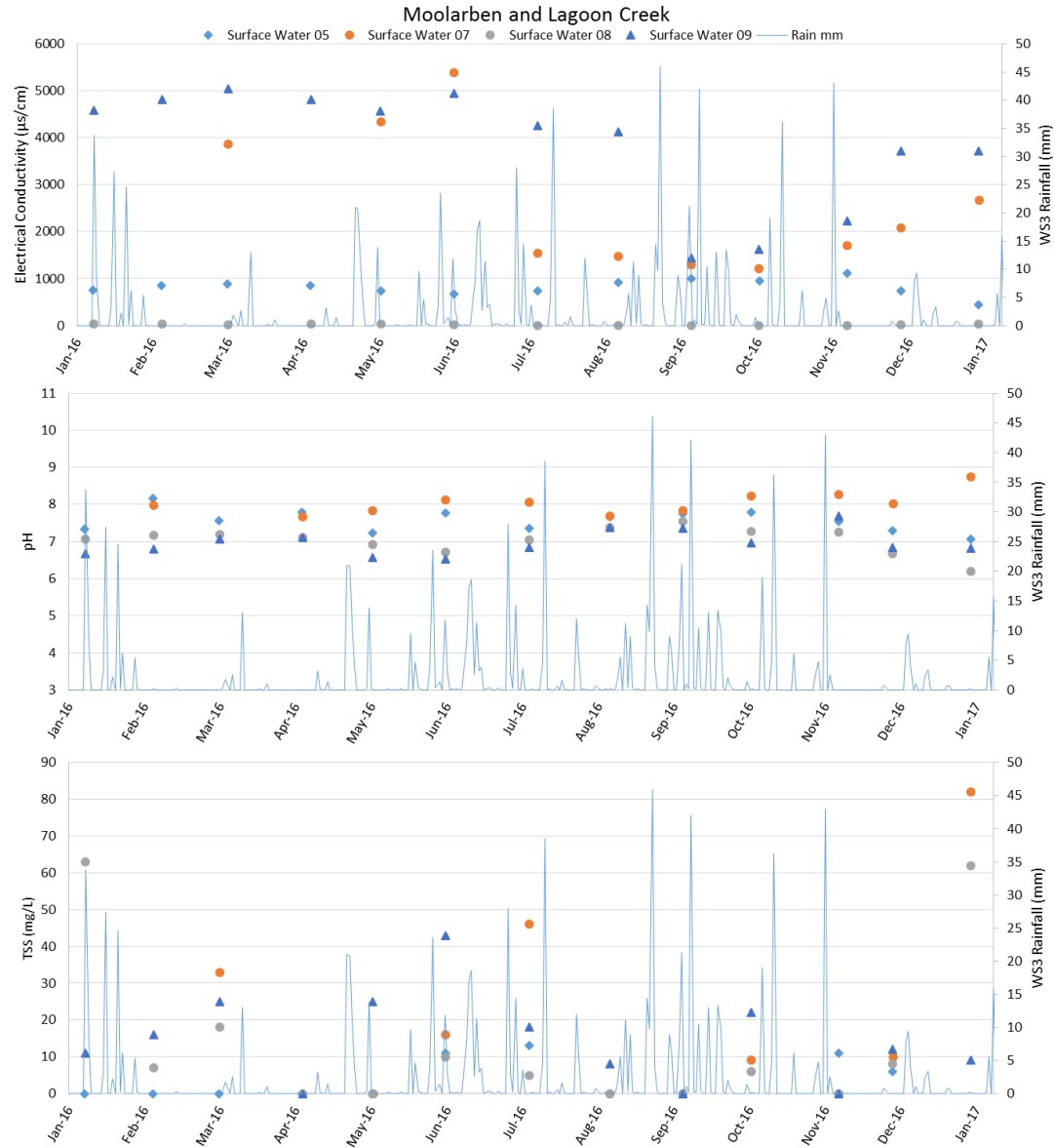
- Monitoring network
 - Water;
 - Air quality;
 - Blasting;
 - Noise;
 - Meteorology.



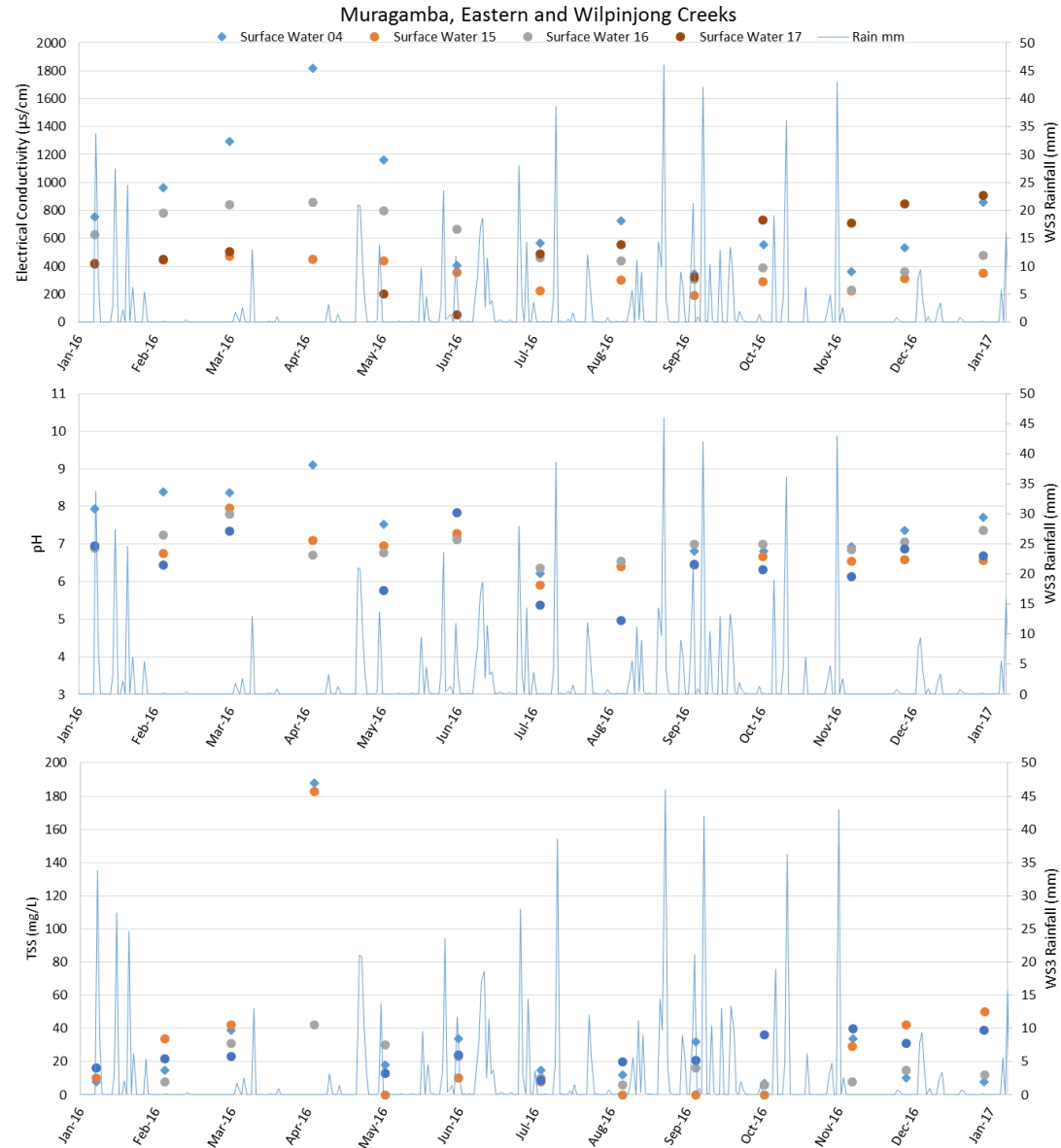
Water Quality



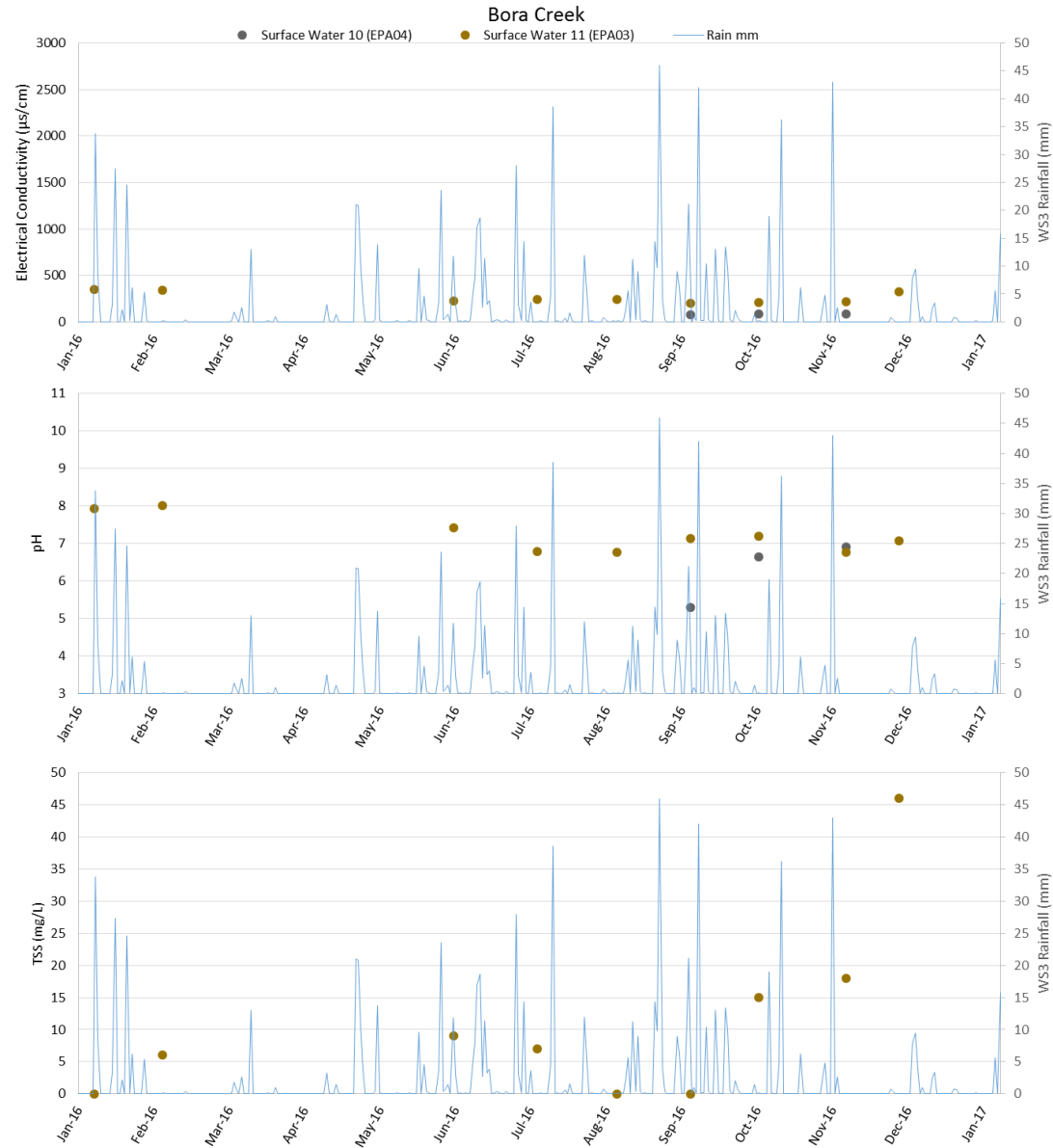
Water Quality



Water Quality



Water Quality



Air Quality

Site	February 2016 PM10 Annual Average	February 2017 PM10 Annual Average	Air Quality Criteria PM10 Annual Average
Ulan School	15.1	12.0	30.0
Ridge Rd / Moolarben Rd	9.1	18.9*	30.0
Ulan-Wollar Rd	11.8	11.6	30.0

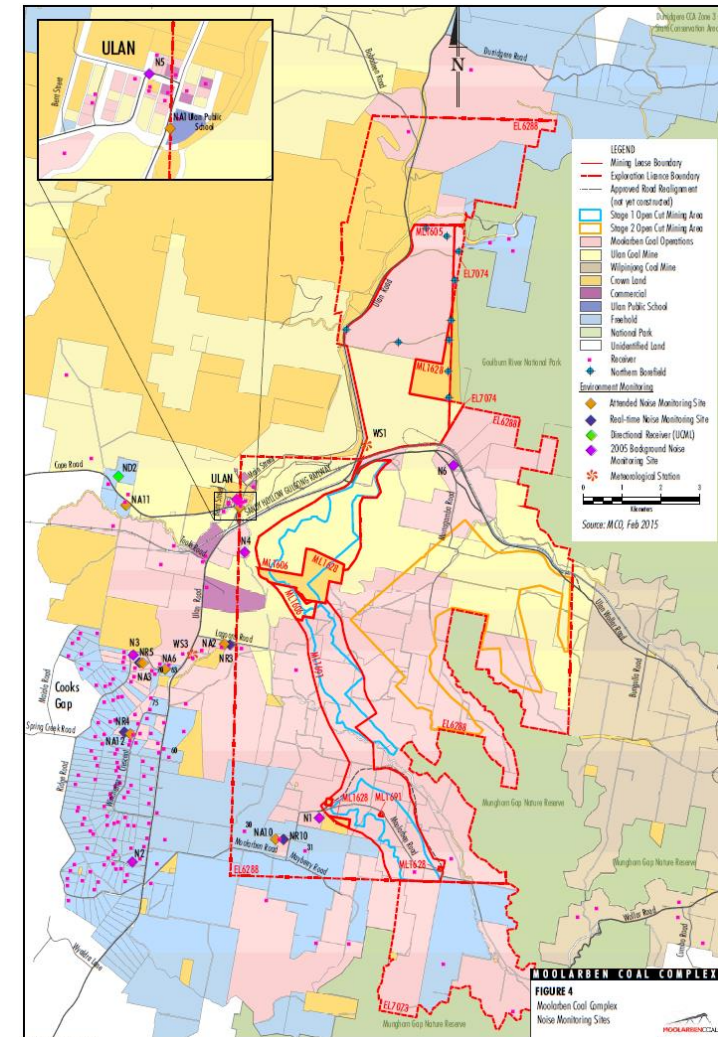
*Including bushfire impacts

Monthly monitoring reports are available on our website:

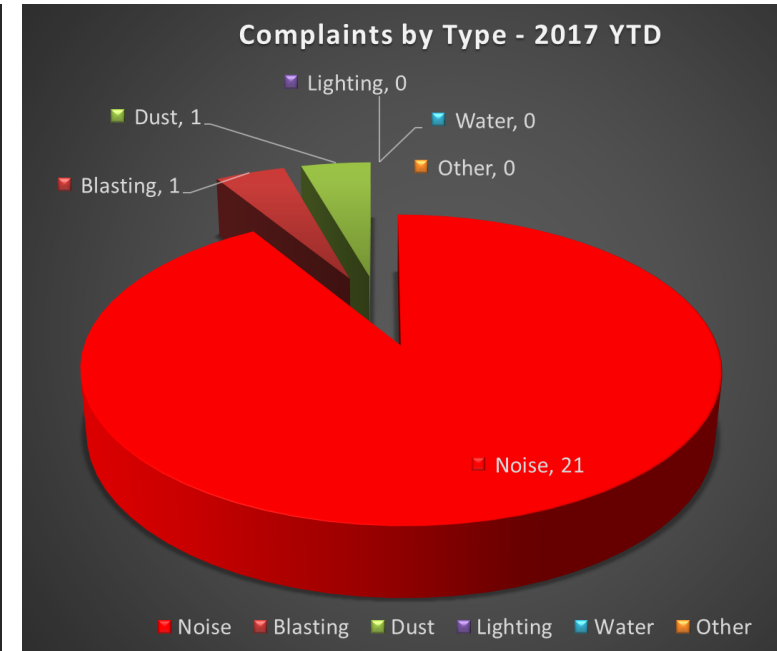
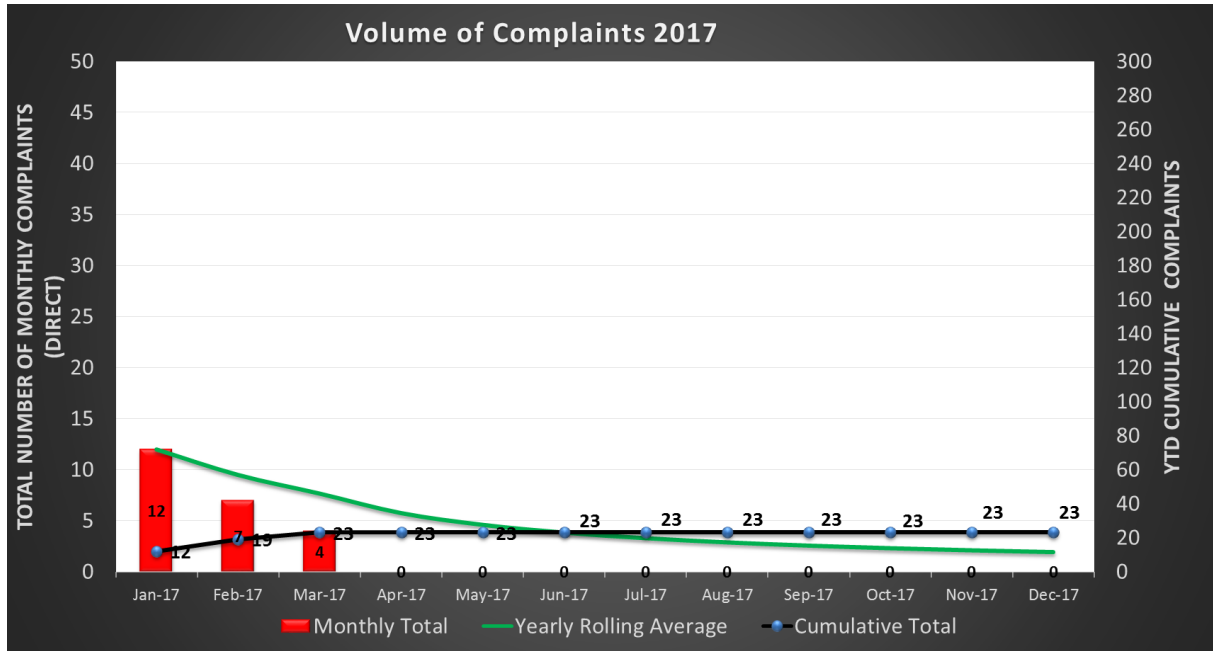
www.moolarbencoal.com.au/environment-and-community/monitoring-results/

Noise Monitoring

- On-going monthly & quarterly attended noise monitoring - all within criteria.
- Continued implementation of:
 - Planning controls - scheduling
 - Engineering controls - attenuation
 - Operational controls - bunds/screens
 - Real-time monitoring triggers
 - Real-time response protocols



Community Complaints



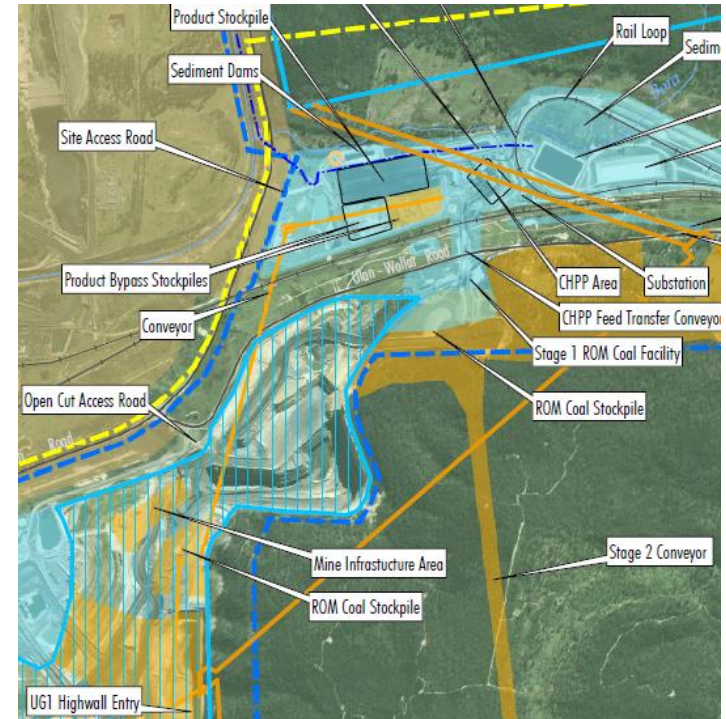
Rehabilitation Update

- Open Cut land form shaping and topsoiling in progress
 - 15ha completed in OC1
 - 16ha within the OC4 out of pit dump
- Total of 45ha completed late 2016 in OC2 and OC1



UG Project Update

- Earthworks, Radial Stacker, Sizing station and product stockpile construction continues
- Ventilation shaft commenced
- Longwall testing commenced - chain conveyor
- Ulan-Wollar Road final batters and sealing in March
- Temporary Coal Processing Increase Modification approved 20th January 2017.
 - CPP throughput increased from 13.0 to 13.5 Mtpa for 2017
 - No change to extraction limits, hours of operation or layout

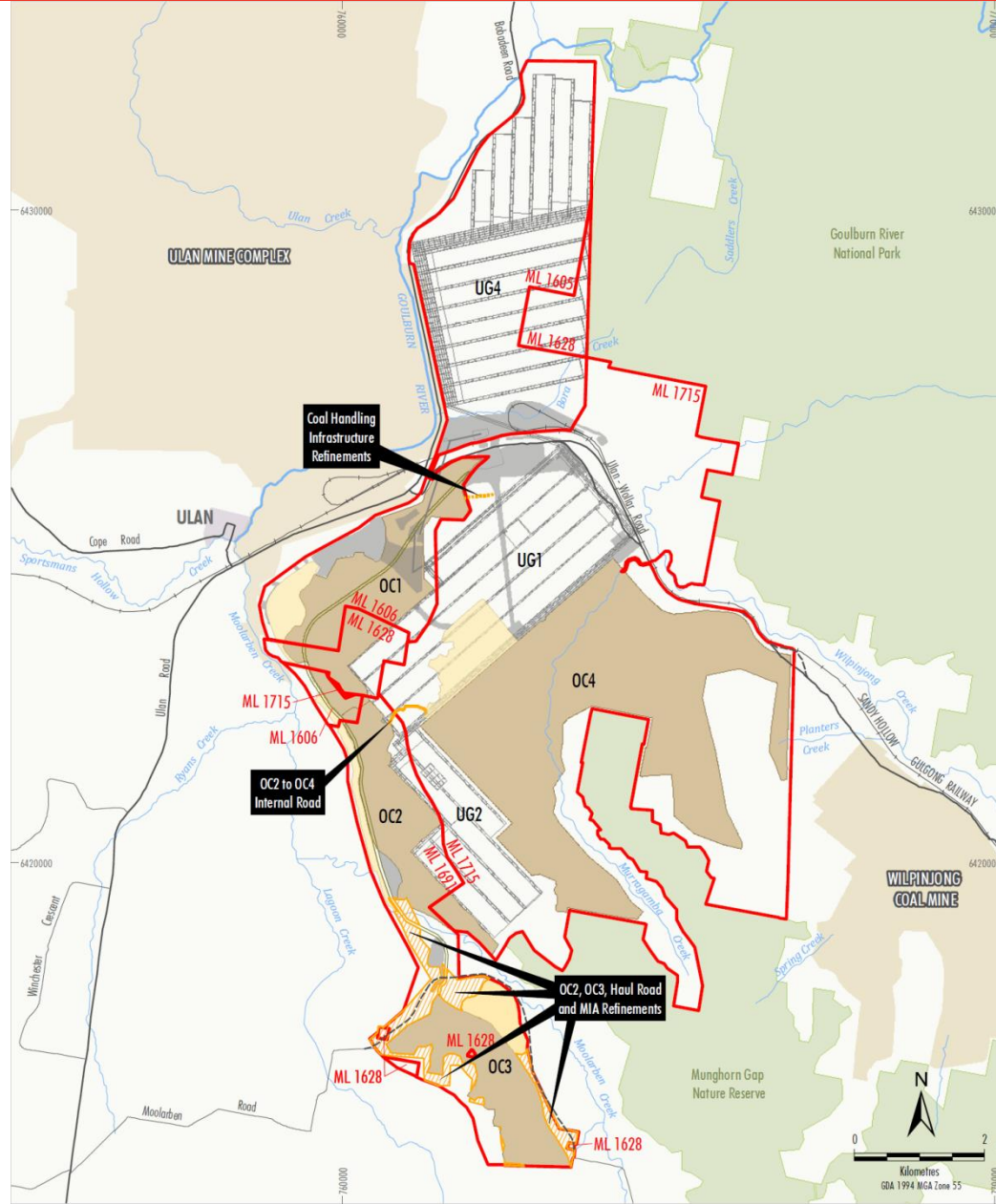


Open Cut Optimisation Modification

Modification Overview

- MCO has identified opportunities to optimise operations.
- An application to modify the Stage 1 and Stage 2 Project Approvals to be lodged.
- The Modification would involve:
 - Minor increase in disturbance to allow safe and efficient mining.
 - Refinements to the final landform.
 - Increase in annual rate of coal production from open cuts.
 - Other infrastructure refinements.
- An Environmental Assessment is being prepared.
 - Specialist studies for biodiversity, heritage, noise, air quality, surface water, groundwater and visual amenity.
- Environmental Assessment to be lodged in Q3 2017.

Open Cut Optimisation Modification



Employment update

- **Traineeships**
 - 13 Trainees commenced in January (Cert 3).
 - Next round
 - Underground x 8 in March
 - Opencut x 8 in June
- 4 Apprentices commenced in early 2017.
- Underground and Open-cut recruitment on-going.
- Summer vacation work students returned to Uni.





Community
Consultative
Committee Update

THANK YOU

March 2017