



MINUTES OF MEETING

COWAL GOLD MINE COMMUNITY ENVIRONMENTAL MONITORING AND CONSULTATIVE COMMITTEE (CEMCC)

Wednesday 4 March 2014

9.00 am – Cowal Gold Mine

Minutes taken by: Shane Goodwin

Attendees:

Independent Chair:

Margaret MacDonald-Hill (MMH)

Barrick:

Garry Pearson (GP), Shane Goodwin (SG)

Community Members:

Angus Stitt (AS), Lucy Buttenshaw (LB) and
Dave Carter (DC)

Bland Shire Council:

Neil Pokoney (NP)

Forbes Shire Council:

Graeme Miller (GM)

Lake Cowal Foundation:

Daryl Nielsen (DN)

Apologies: Jenene McGrath, Bruce Dent, Cr Graham Scott, David Carter, Ally Coe, Cr Brian Mattiske, Cr Leeanne Hampton.

ITEM	ACTION
1.0 Welcome Independent Chair, Margaret MacDonald-Hill opened the meeting at 9.08 am.	
2.0 Declaration of Interest Margaret MacDonald-Hill declared her interest as Independent Chair of the CEMCC, appointed by the Director General of the Department of Planning and Infrastructure. For record purposes, Margaret advised the committee she is a member of the Mine Subsidence Board. Margaret also declared that she receives payment via a Trust established by the Bland Shire Council for her work as Chair of the CEMCC. For a full Declaration of Interest for all members, see Attachment A	
3.0 Business Arising from previous Minutes Nil	



Correspondence

In

22/12/14 - email Barrick NF&O incident report
13/2/15 - email Barrick on Revised RMP& Long term Land Use Strategy
13/2/15 - email Barrick NF&O incident report
2/3/15 - email Barrick on Revised Decommissioning Strategy for Water Management Structures & Long term Management of Final Void and Lake Protection Bund

Out

16/2/15 - email to CEMCC Revised RMP & Long term Land Use Strategy
2/3/15 - forward email 2/3/15 to CEMCC

4.0 Reports

Shane Goodwin provided a detailed account of Barrick Cowal's Community Relations Activities over the past three months – See the attached presentation for more information (Attachment B). He also provided a briefing on Barrick's recent Q4 2014 Results Announcement which included comments relevant to the ongoing ownership of the Cowal Gold Mine.

- Community Relations activities
- Complaints/Grievances
- Upcoming activities
- Cowal Partnering Program

Complaints/Grievances

The 5 complaints received since the last meeting were from five individual stakeholders:

- The complaints received relate to:
 - Driver behaviour (3)
 - Employee behaviour (1)
 - Property damage (1)

<p>Garry Pearson provided a detailed account of Barrick Cowal's Environment Department Activities over the past three months – See the attached presentation for more information (Attachment C).</p>	
<p>5.0 General Business</p> <p>It was requested that future meeting minutes include a list of Common Acronyms and their definitions (Attachment D)</p> <p>2015 Preliminary Meeting Schedule:</p> <ul style="list-style-type: none"> • 4 March, 2015 – Cowal Gold Mine • 3 June 2015, Venue TBA • 9 September 2015, Venue TBA • 2 December 2015, Venue TBA 	
<p>6.0 Meeting Closed –11.45am</p> <p>Available CEMCC Members were invited to go on a guided tour of the Cowal Gold Mine following the meeting.</p>	
<p>7.0 Next Meeting</p> <p>Wednesday 3rd June 2015, at Bland Shire Council Chambers, West Wyalong.</p>	

ATTACHMENT A – CEMCC MEMBERS’ DECLARATIONS OF INTEREST



Community Environmental Monitoring and Consultative Committee (CEMCC)

Declarations of interest:

Margaret MacDonald-Hill - Independent Chair

- ***Appointed by DG of DP&E, paid via Trust administered by Bland Shire Council***
- ***Member of the Mine Subsidence Board***

Angus Stitt – Community Representative, West Wyalong

- Receives reimbursement of travel costs for attending CEMCC meetings, from time to time

Lucy Buttenshaw – Community Representative, West Wyalong

- Nil

Jenene McGrath – Community Representative, West Wyalong

- Nil

David Carter – Community Representative, Condobolin

- Nil

Bruce Dent – Lake Cowal Landholders Association

- Noise Mitigation Agreement in accordance with Development Consent Conditions
- Receives reimbursement of travel costs for attending CEMCC meetings, from time to time

Neil Pokoney – Bland Shire Council Representative

- Barrick is a ratepayer within the Bland Shire
- Barrick has entered into a Roads Maintenance MOU with Bland Shire Council
- Barrick has provided financial support for certain community events, initiatives, and infrastructure operated by the Bland Shire Council

Graham Scott – Lachlan Shire Council Representative

- Barrick has been a ratepayer within the Lachlan Shire
- Barrick is a customer (subscriptions and advertising) of The Lachlander newspaper, of which, Cr Scott is the Editor
- Barrick has entered into a Roads Maintenance MOU with Lachlan Shire Council
- Barrick has provided financial support for certain community events, initiatives, and infrastructure operated by the Lachlan Shire Council

Brian Mattiske – Forbes Shire Council Representative

- Barrick is a ratepayer within the Forbes Shire
- Barrick pays annual easement payments to the Forbes Shire Council for properties owned by Council
- Barrick pays annual easement payments to entities which Mr Mattiske maintains a financial interest in for properties owned by those entities
- Barrick pays an annual fee for Temporary Water Transfer Agreements to entities which Mr Mattiske maintains a financial interest
- Barrick has provided financial support for certain community events, initiatives, and infrastructure operated by the Forbes Shire Council

Graeme Miller – Forbes Shire Council Representative

- Barrick is a ratepayer within the Forbes Shire
- Barrick pays annual easement payments to the Forbes Shire Council for properties owned by Council
- Barrick has provided financial support for certain community events, initiatives, and infrastructure operated by the Forbes Shire Council

Daryl Nielsen – Lake Cowal Foundation and Independent Scientist

- Receives reimbursement of travel costs for attending CEMCC meetings, from time to time
- Director of Lake Cowal Foundation which receives annual payments from Barrick

Ally Coe – Wiradjuri Condobolin Corporation

- Wiradjuri Condobolin Corporation receives compensation payments in accordance with Native Title requirements
- Wiradjuri Condobolin Corporation is a contractor to Barrick at the Cowal Gold Project

ATTACHMENT B – COMMUNITY RELATIONS DEPARTMENT PRESENTATION





Community Relations



- Community Relations Team activities
- Complaints/Grievances
- Upcoming activities
- Cowal Partnering Program

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Activities since the last CEMCC Meeting:

- 2014 Employee and Contractor Christmas Parties
- 2015 Wiradjuri Scholarships
- 2014 Cowal Partnering Program – Round 1
- Q4 2014 Barrick Announcement
- Cowal Update distributed to stakeholders
- ETBC and CPCC Meetings with Wiradjuri Condobolin Corporation

Upcoming activities:

- Triennial Native Title Deed Implementation Review
- Presentation of Annual Native Title Deed Implementation Report



Complaints/Grievances



- CGM received five (5) complaints since the last meeting of the CEMCC which was held on 3 December 2014.
- The five complaints received relate to:
 - Driver behaviour: 3
 - Employee behaviour: 1
 - Property damage: 1
- The complaints were from a selection of stakeholders:
 - Complainant A: 20% (1)
 - Complainant B: 20% (1)
 - Complainant C: 20% (1)
 - Complainant D: 20% (1)
 - Complainant E: 20% (1)

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Complaints/Grievances



Employee Behaviour

- The Complainant attempted to call the Cowl Gold Mine's Community Relations Manager directly at 10:53am on 04/12/2015 and left a message on the automated answering service.
- The Community Relations Manager returned the Complainant's call at 11:46am on the same day.
- The Complainant advised that they were dissatisfied with the outcome of an engagement between the Complainant and a representative of the Cowl Gold Mine.
- The Complainant advised that the Mine's representative had contacted the Complainant to request that the Complainant remove their stock (cattle) from Cowl Gold Mine Mining owned land.
- The Complainant went on to state that the Cowl Gold Mine's representative had said they would remove the stock themselves to the nearby travelling stock route unless the complainant promptly removed the stock.
- The Complainant expressed their dissatisfaction with the nature of the conversation.
- The Community Relations Manager apologised to the Complainant and advised the Cowl Gold Mine personnel would not take action to have the stock moved to the travelling stock route. The Cowl Gold Mine would simply rely on the Complainant to remove their own stock from the mine-owned land when safe to do so.
- The Complainant and The Community Relations Manager discussed what other actions could be taken to prevent stock from moving onto Cowl Gold Mine owned land as Lake Cowl was receding and fencing was inadequate to prevent unwanted stock movement.
- Fencing is planned to be undertaken by the end of the year (2014) with costs shared between the Cowl Gold Mine and the Complainant.
- The call ended with the Community Relations Manager reiterating the earlier apology and reassuring the Complainant that the stock would not be moved by Cowl Gold Mine personnel.
- The cattle were removed by the Complainant and boundary fencing completed in 2014.

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Complaints/Grievances



Property Damage:

- The Complainant called the CGM's Senior Community Relations Advisor at approximately 12:45pm on 29/01/2015 to advise that an exploration drill-rig had damaged one of the water pipes on his property.
- Barrick's representative asked when the Complainant thought that the damage may have occurred and the Complainant responded that it could have occurred prior to Christmas (2014).
- Barrick's representative responded that he was unaware of any exploration activity occurring on the property either before Christmas or since that time, however Barrick's representative undertook to seek confirmation of this and get back to the Complainant.
- Barrick's representative contacted the Complainant again via telephone at 1:10pm on 29/01/2015 to confirm that no Barrick personnel or equipment had entered the Complainant's property either in late 2014 or early 2015.
- The Complainant advised that they had seen drill rigs on the property and identified other nearby properties where drill rigs had been seen. Barrick's representative was able to confirm that Barrick was not undertaking exploration activities on those named properties.
- The Complainant and Barrick's representative agreed that the drill rigs seen by the Complainant may have been operated by another exploration company, not related to Barrick. The Complainant undertook to undertake further investigations of their own and provide further feedback to Barrick if required. It was agreed that it seemed likely that Barrick was not responsible for the property damage initially reported as part of this complaint.

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Complaints/Grievances



Driver Behaviour:

- The Complainant called the CGM's Community Relations Manager directly on 30/01/2015 to complain about a contractor vehicle which was assumed to be delivering fuel to the Cowal Gold Mine travelling at an estimated 80km/h in a 50km/h zone.
- Barrick's representative undertook to investigate the details on which contractor/driver would be responsible for the observed driving behaviour.
- Barrick's representative attempted to contact the Complainant via telephone at 10:45am on 30/01/2015 however there was no answer so a detailed message was left on the automated answering service.
- Barrick's representative contacted the Complainant via telephone at 4:00pm on 30/01/2015. Barrick's representative sought confirmation of the truck's colour for positive confirmation of the responsible vehicle.
- Barrick's representative advised that the responsible contractor/driver would be contacted directly and counselled on the importance of complying with signed speed limits in the community. The Complainant agreed with this approach to resolving their complaint.
- Barrick's representative contacted the Contractor responsible for the identified vehicle and received follow-up advice on 02/02/2015 that the vehicle's satellite tracking data indicated that the vehicle had not exceeded the 50km/h limit. The contractor also advised that the responsible driver had been interviewed and counselled on the importance of obeying signed speed limits.

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Complaints/Grievances



Driver Behaviour:

- The Complainant called the CGM's Community Relations Manager at approximately 12:10pm on 16/02/2015 to complain that a Coaster Bus used by the Cowal Gold Mine to transport workforce to and from the mine was parking inconveniently in front of the complainant's home.
- The Complainant identified a number of other locations on the same street that could be used as alternatives for parking the bus.
- The CGM's representative apologised for any inconvenience and undertook to instruct the bus users not to park in front of the complainant's home (address provided by the complainant). The Complainant agreed with this approach.
- The CGM's representative provided his contact details to the complainant and invited the complainant to contact him directly should the bus be parked inconveniently again in future.
- Bus users received written instruction on 16/02/2015 that the bus should not be parked in front of the Complainant's house.
- No further complaint has been received regarding this issue.

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Complaints/Grievances



Driver Behaviour:

- The Complainant called the CGM's Community Relations Manager directly on 17/02/2015 to complain about a CGM workforce vehicle (private vehicle) which was observed to be driving too closely behind other vehicles on dusty, unsealed roads with poor visibility.
- The Complainant advised that by driving too closely behind other vehicles on unsealed roads, it was difficult for oncoming traffic to see properly due to the dust.
- The CGM's representative apologised for any inconvenience and asked if the complainant was able to identify the vehicle through identifiable signage or markings. The Complainant advised that they were not able to identify the vehicle as it was a privately owned and driven vehicle.
- The CGM's representative undertook to remind the workforce of the importance of driving safely, especially on unsealed roads via one of the site's regular internal communication methods. The Complainant accepted this approach to dealing with the issue.
- The CGM's representative also advised that the CGM had recently taken the step of imposing and administrative speed limit of 80km/h for all workforce transport buses (12 and 21 Seaters) on unsealed roads.
- The Complainant then enquired as to whether their Complaint would be recorded and reported per the requirements of the CGM's Development Consent Conditions. The CGM's Representative responded that all community complaints and concerns are documented and published monthly on the Barrick website. The web address was provided to the Complainant.
- An instruction regarding safe driving on local roads was included in the CGM General Manager's Weekly Newsletter to the entire workforce distributed on 20/02/2015.

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Cowal Partnering Program Application Round 1 2015



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Cowal Partnering Program

- Throughout 2013-14, the CR Team have worked to change the CPP to improve the program outcomes for both Barrick and the community.
- Following changes have now fully implemented:
 - Funding rounds
 - Standardised application form
 - Standardised internal assessment form
 - Information sessions at West Wyalong, Condobolin and Forbes
 - Advertising across all three Shires
- These changes have resulted in the highest number of applications we have ever received, and most consistently high quality
- The changes to the Cowal Partnering Program were recently awarded a Barrick Global Excellence Award for Corporate Social Responsibility

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New applications



New applications for discussion:

- Aboriginal Culture Officer – Bland Shire Council
- Federal Government Mobile Phone Black Spot Programme – Jeralong Irrigation Ltd
- Artefacts Tourism/Heritage Display – West Wyalong Local Aboriginal Land Council
- Ben Hall Festival and Heritage Week 2015 – Forbes Shire Council
- Improvements to Rotary Park – Rotary Club (West Wyalong Branch)
- Brower's Walk – Can Assist West Wyalong
- West Wyalong District Transport Group
- Mining Down the Lachlan – Condobolin and District Historical Society
- PPE for VET Program – Condobolin High School

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Bland Shire Council



Aboriginal Culture Officer

Project Summary:

Part funding of an Aboriginal Culture Officer at Council. The part time position would act as a cultural advisor, undertake mapping of culturally significant landscapes and act as a network liaison with other Indigenous organizations in the area.

The outcomes of the proposal will include:

Strengthening partnerships between Bland Shire Council and various community organisations

Support the BSC Community Strategic Plan

Support with planning and environmental goal within the Local Environment Plan

Amount requested: \$30,000

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Jemalong Irrigation Limited



Federal Government Mobile Black Spot Program

Project Summary:

Construction of new infrastructure as part of the Federal Government Mobile Phone Black Spot Programme. The criteria for the grant from the Government requires third-party contributions (financial or in-kind) be identified prior to submission of application.

Current partners include:

- Forbes Shire Council
- Lachlan Shire Council
- Vast Solar
- Rural Fire Service
- SES

The mobile phone coverage improvements would benefit residents and businesses in a 30 km radius of the proposed towers at Jemalong and Manna Mountain, including residents of both Lachlan and Forbes Shires.

Amount requested: \$30,000

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West Wyalong Local Aboriginal Land Council



Artefact Tourism and Heritage Display

Project Summary:

The project aims to raise local awareness of Indigenous heritage and history in the Bland Shire. The project will involve improvements to the WWLALC to better serve the community and improve access to indigenous culture.

Improvements to the WWLALC include:

- Display cases for artefacts - \$6,000
- Audio recordings relating the artefacts - \$10,000
- Indigenous artwork on exterior wall to promote Visitor Centre - \$6,000
- Project Management - \$3,000

Amount requested: \$25,000

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Ben Hall Festival and Heritage Week

Project Summary:

Forbes Shire Council is celebrating the 150 anniversary of the death of Ben Hall as part of Heritage Week. The event will include A Ben Hall Bus Tour, Preview of the feature film "The Legend of Ben Hall" and Heritage Advisor workshops.

The Festival will draw visitors from across the State and provide a benefit to the local economy, as well as recognizing an important part of local heritage.

Funds will be used for:

- Band - \$2,500
- Colonial Show - \$4,050
- Wagon Rides - \$1,200
- Authors - \$500
- Stage - \$3,300
- Advertising - \$2,000

Amount requested: \$13,550

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Upgrades to Rotary Park

Project Summary:

Improvements to Rotary Park, which is located between Wyalong and West Wyalong.

The improvements will include landscaping, additional shade and works to existing picnic area. The project will benefit locals and tourists passing through town, by providing good quality area to stop and rest. The location of the rest area would enhance Council's work with the Wetland area.

A time capsule will also be buried at the time of works.

Amount requested: \$6,000

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Brower's Walk

Project Summary:

Brower's Walk is an annual fundraising event started by an employee of Barrick Cowal. The charity walk is from Wargin to Top Town Tavern. The event has been run very successfully for several years

The event raises money to support local families who are affected by cancer, and is primarily used for:

- Travel and accommodation during treatment
- Pharmaceutical needs
- Hire of medical equipment

Amount requested: Not specified

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West Wyalong and District Community Transport Group

Operation of Community Transport

Project Summary:

The organisation provides approximately 10 social bus outings for elderly people and those with mental health issues.

Given the increasingly elderly population of West Wyalong, this group provides an essential service in improving the quality of life for a large number of residents across the Bland Shire.

The service provides transport for:

- Medical appointments
- Social outings
- Family gatherings
- Funerals
- Hospital visits

Amount requested: Not specified

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Condobolin and District Historical Society BARRICK

Mining down the Lachlan – Past, Present and Future

Project Summary:

Expansion to the "Mining along the Lachlan - Past, Present and Future" permanent display at the Condobolin Museum. The funds will be used to purchase a new display case and associated signage.

The funds will be used for the following:

- New glass display case (with shelves, lighting and safety glass) - \$2,435
- Adhesive vinyl lettering - \$325

Barrick have previously supported the commencement of this permanent display in 2014 with \$1,200

Amount requested: \$2,778

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Condobolin High School BARRICK

PPE for Vocational and Educational Training Program

Project Summary:

Condobolin High School runs a Vocational and Educational Training course, where students undertake work placements. Often, these placements require students to wear PPE, such as steel-capped boots or clogs (catering placements).

The application also sought funds to attend two Job Expo's and hold one in Condobolin at the WSC.

Amount requested:

- \$1,260 - steel capped boots
- \$1,619 - catering clogs
- \$200 – Attendance at Forbes Tertiary Awareness Day
- \$400 – Attendance at Orange Jobs Expo
- \$500 – Holding a Jobs Expo at the Wiradjuri Study Centre, Condobolin

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ATTACHMENT C – ENVIRONMENTAL DEPARTMENT PRESENTATION



Cowal Gold Project
Environmental Management
CEMCC Meeting 04 March 2015

Environmental Management Overview

- Environmental Policy (September 2014)
- Environmental Incidents
- Environmental Summary
- Government Interactions
- Cyanide Management
- 2015 Look Ahead





**BEEP
FOR
BIRDS
Use car
horn to
Scare**

Environmental Incidents

- **Reportable Incidents**
All incidents related to death of native fauna on the mining lease.
- **December 2014**
 - 1 Welcome Swallow – Leach Tails Thickener covered in mud.
 - 1 Australian Wood Duck – squashed into Western Haul Road.
 - 1 Galah – deceased in sticky wet clay of Southern Lowflow Diversion Channel.
 - Thirteen (13) native animals rescued - x9 Long-necked Turtles in Mining and Processing works; x1 Nankeen Kestrel – Processing; x1 Bearded Dragon – Processing; x1 Wallaby –inside TSP fence; x1 Microbat on Franz Crane headlight. WIRFS.
 - Pest Control
 - Addressing feral cats numbers.
 - Mouse baiting continuing. No mice since 2012 mini-plague.
 - 1000 Fox baiting resumed 06 September 2014 (50 blue chicken wings).
 - Findone baits for Rabbits (30 kg green carrots).
 - **Mammal Aid:** Two (2) requests – juvenile rabbit – West Wyalong; x1 Wedge-tailed Eagle – Buecher - WIRFS.
- All incidents were reported to Government agencies in accordance with regulatory approval. Deceased fauna were forwarded to Veterinary Clinics to confirm cause of death. No death was associated with chemical toxicity & no further action necessary.





Environmental Incidents

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- **Reportable Incidents**
 All incidents related to death of native fauna on the mining lease.
- **January 2015**
 - 2 Silver Gulls – Pond D6 natural causes during heat wave.
 - 1 Magpie-lark – bitumen access road.
 - 1 Noisy Miner – bitumen access road.
 - 1 Willie Wagtail – main administration car park.
 - 1 Murray River Short-necked Turtle – Mine haul road.
 - 1 Emu – bitumen access road.
 - 1 juvenile Brown Snake – concrete bunded area inside Process Plant.
- Three (3) native animals rescued – x1 juvenile Emu, x1 Brown Snake and x1 Microbat. WIRRES Calls.
 - Pest Control
 - Addressing feral cats numbers.
 - Mouse baiting continuing. No mice since 2012 mini-plague.
 - 1000 Fox baiting resumed 08 September 2014 (suspended for start of New Year).
 - Findone baits for Rabbits (suspended for start of New Year).
 - **Mutual Aid:** Nil (0) – WIRRES.
- All incidents were reported to Government agencies in accordance with regulatory approvals. Deceased fauna were forwarded to Veterinary Clinic to confirm cause of death. No death was associated with chemical toxicity & no further action necessary.





Environmental Incidents

**BEEP
FOR
BIRDS
Use car
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Scare**

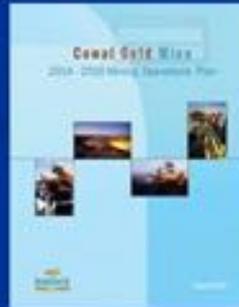
- **Reportable Incidents**
 All incidents related to death of native fauna on the mining lease.
- **February 2015**
 - 2 Apostlebirds – bitumen access road.
 - 1 Bush Wallaby – bitumen access road.
 - 1 Noisy Miner – bitumen access road.
 - 1 Australian Magpie – Exploration Driller's Yard near edge Lake Cowal.
 - 1 juvenile Brown Snake – concrete bunded area inside Process Plant.
- Four (4) native animals rescued - x3 juvenile Brown Snakes; x1 Pied Buncherbird; . WIRRES.
 - Pest Control
 - Mouse baiting continuing. No mice since 2012 mini-plague.
 - 1000 Fox baiting resumed 08 September 2014 (suspended for start of New Year).
 - Findone baits for Rabbits (suspended for start of New Year).
 - **Mutual Aid:** Nil (0) – requests – WIRRES.
- All incidents were reported to Government agencies in accordance with regulatory approvals. Deceased fauna were forwarded to Veterinary Clinic to confirm cause of death. No death was associated with chemical toxicity & no further action necessary.

Sat Image February 2014 Lake level (2010 – 2014)



Environmental Summary

- MOP approved by DRE (09 October) – August 2016.
 - 22 July 2014 MOD11 (s75W) request process).



D1 = E42 Pit Void. D2 = Permanent water management structures. D3 = Infrastructure areas.
D4 = TSFs. D5 = WREs. D6 = Final woodland cover corridor. D7 = new Lake Cowal foreshore.

Regulatory Inspections

- s75W Closure Security Bond Review (20 April 2010):
 - Bonded amount at AUD 63.5 million from July 2009.
 - AUD 58.25 m – adequate Security.
- Varied EPL11912 in effect from 4 February 2015
 - (name and noise locations/ frequency changed);
 - x3 EPA Officers Audit (26-27 February 2015); and
 - MOD11 variation request of EPL to follow DP&E app of Revised EMPs (MOD11).



Regulatory Inspections

- MOD11 – by end-July 2015 – VPA with DP&E
- Offset Areas (440 ha):
 - extra 230 ha added MOD11.
 - Separate Security Bond (DP&E).



CEMCC response

CGM revised Strategy for Decommissioning of Water Management Structures & revised Strategy Long-term Management of Final Void and LPB (March 2015).



SWE south (Jan – Nov 2014)



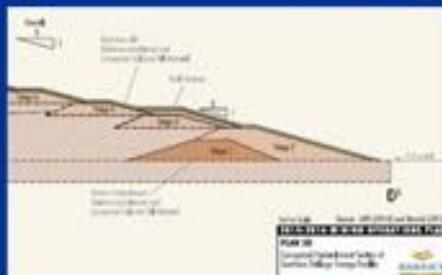
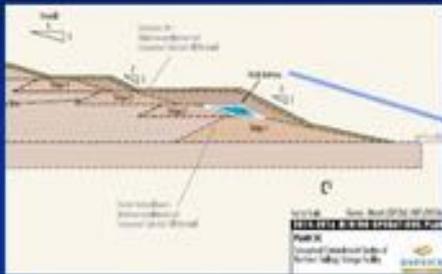
PWE s-east (Sept 2014)



12 ha direct seeding trial works on the inside of PWRE 2015.

This area has been re-worked by covering it with the STSF buttress pre-strip works cover materials.

Dynamic Stability Buttrressing



Commenced the 5th Lift STSF, and STSF rock buttress works (1:5,000 year earthquake design mitigation).

Barrick Corporate FOS is 1.5 (Code is 1.3)

Regulatory Inspections

- 11th Independent Monitoring Panel:
 - After lodgment of Annual Review (MOD11 – by the end of May 2015);
 - After 2015 IEA (20-22 April 2015).
 - Likely August 2015.
- All relevant govt depts 2015 visit
 - After lodgment of Annual Review.
 - Likely mid-June 2015.



EMPs status update

- DP&E verbal instruction to use as approved (26 Sept. 2013).
 - FMP, ESCP, SWMP, CMP, HWCMP, BlastMP, NMP, ROMP.
- MOD11 (22 July 2014), sets the path forward to submit revised EMPs. Delivery date has recently been revised to end-May 2015. All will be held on www.



16

2,000 native tube stock

29 August 2014

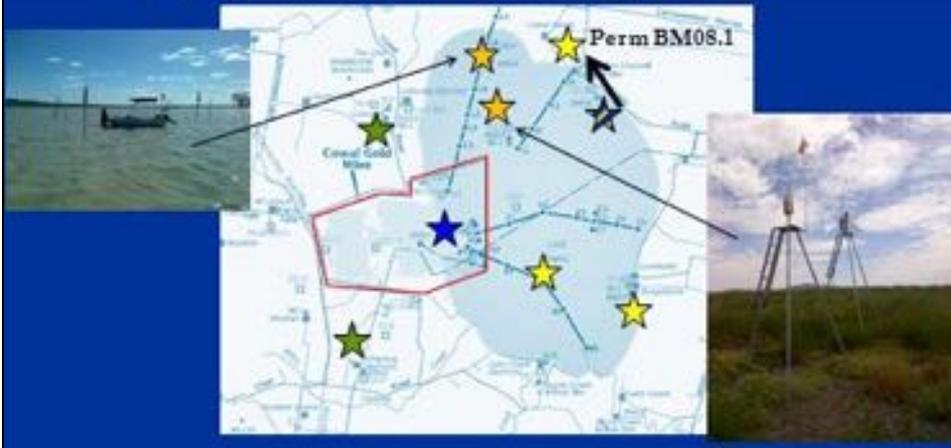


23 January 2015



Environmental Summary

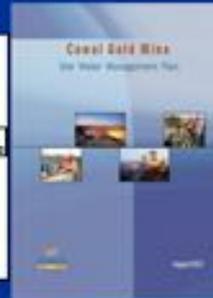
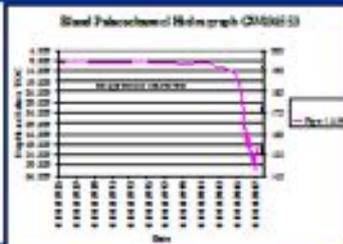
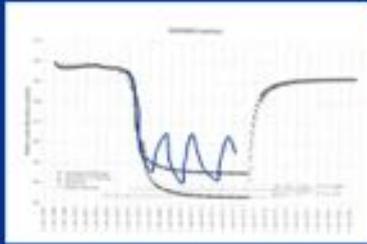
- Lake Blast loggers working well. SAROS mtce in Oct 2014.
- Blast activities - 100% compliance with 120 dB(L).
 - Ongoing communications with neighbours.



Water Supply



- Pond D9 half full (capacity of 690ML).
- 2,000 ML High Security Lachlan Reg Rv water in 2014.
- Saline water started (ESB). New RO Plant running.



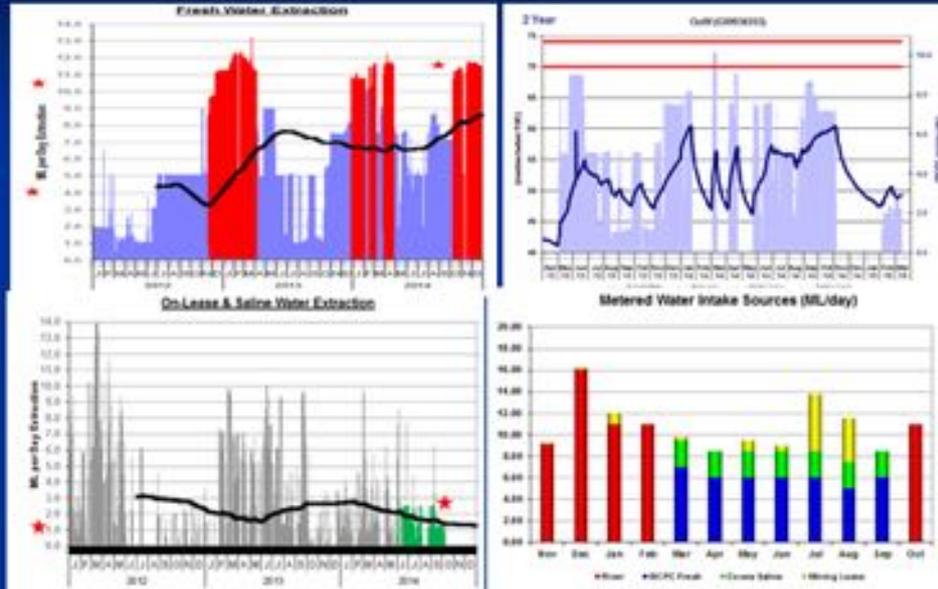
200mKL - 134 = 74m below surface (mostly Govt / Users).
 70 m below is preliminary water support (already doing).

Groundwater Sources

- ESB
- BCPC
- Pit/ Rain
- River



Fresh Water Intake Reduction



Weather forecast 2015

CW Slopes & Plains 12-month rainfall forecast



Rainfall deviate	
10	Well above normal
5-9	Above normal
4-7	Near normal
2-3	Below normal
1	Well below normal

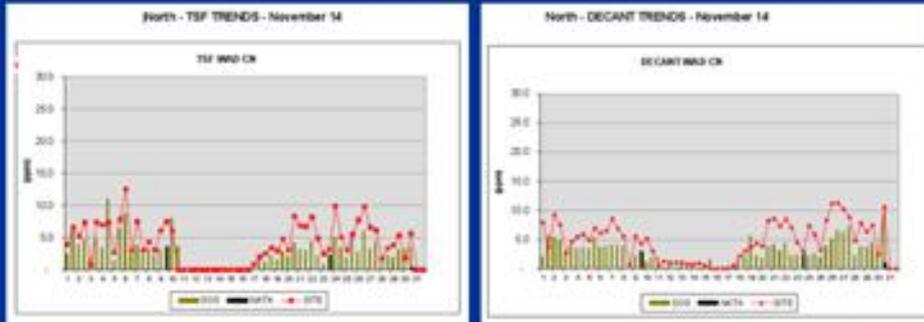
eldersweather.com.au

Long Range Disclaimer

The forecast information contained on the Elders Weather website, while believed to be reasonably made at the time of publication, is subject to change. In particular, 28 day and 12 month forecasts given the range of the forecast, do not contain a guarantee of rain on any day and will contain some degree of inaccuracy. You should always seek updated professional weather advice before taking any action dependent on certain weather conditions prevailing. Liability for any errors or omissions, including that arising as a result of Elders negligence (except any statutory liability which cannot be excluded) is excluded by Elders Limited, its associates, officers, directors, employees and agents.

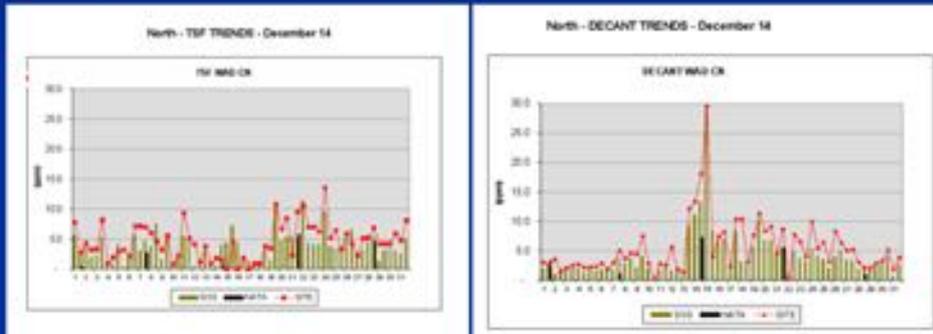
Cyanide Monitoring Results

November 2014 – TSP - Decant



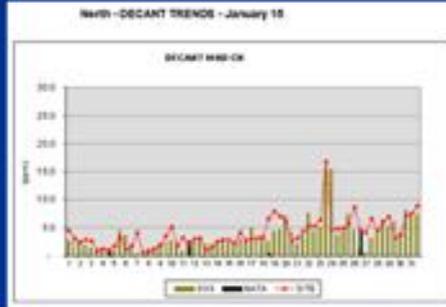
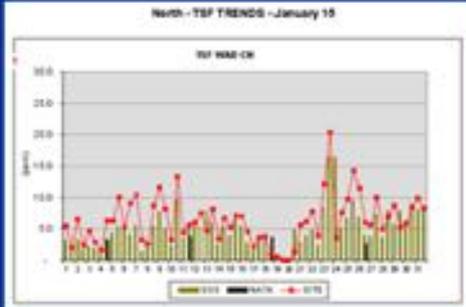
Cyanide Monitoring Results

December 2014 – TSP - Decant



Cyanide Monitoring Results

January 2015 – TSF - Decant



CN SMBS Win – Win Waste Mgt



Env Dept Happenings

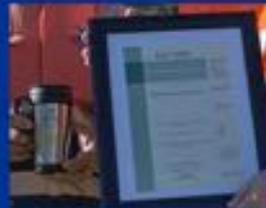


Team Cowal – Enviro

- 2015 targets in progress

Environmental Management
RESPONSIBLE MINING
 Cowal Gold Mine 2015
Continual improvement

RPI	Measure	Status
Standards Implementation	Biodiversity	●
	Climate Change	●
	Environmental Incident Reporting	●
	Water Conservation	●
	Mine Closure	●
Closure	Reclamation Cost Estimate	●
	Closure Plan	●
EMS	Major Non-conformances	●
Cyberide Code (Audit 19-21 Nov 2013)		●
Certified to ISO 14001:2004		●



Member's info supply

Barrick Toronto direct link to the Cowal web page:

<http://www.barrick.com/operations/australia/cowal>



Cowal

The Cowlal mine is located in Central New South Wales, Australia, approximately 32 kilometers north of West Wyalong and approximately 350 kilometers west of Sydney. Cowlal is an open pit operation, mined by a fleet of dump trucks, excavators and ancillary equipment.

Cowlal produced 297,000 ounces of gold in 2013 at an average grade of 2.74% per ounce. Proven and probable mineral resources as at December 31, 2013, were 1.8 million ounces of gold.

Performance

297,000
Ounces of gold produced in 2013

1,800,000
Ounces of proven and probable gold resources

- Extension Modification – Environmental Assessment, September 2010
- Environmental Monitoring Data
- Complaints Register
- Independent Monitoring Panel
- S42 Modified Request – Environmental Assessment, October 2009
- Environmental Management Plans
- Pollution Incident Response Management Plan

Look Ahead Key Environmental Issues

- Lake Cowlal to dry state – biological cycle.
- March 2015 ambient noise survey.
- Approval of all Revised Cowlal EMPs (end-May, 2015).
- Ongoing rehabilitation trial & maintenance works
- Next CEMCC Meeting (03 June 2015).

BARRICK'S COMMITMENT TO THE WORLD'S BEST GOLD-MINING COMPANIES BY OPERATING IN A SAFE, PROFITABLE AND RESPONSIBLE MANNER				
ENVIRONMENTAL OBJECTIVES				
People and Communities	Climate Change	Water and Air Quality	Waste Management	Energy Efficiency
... (text) (text) (text) (text) (text) ...
2014 Priorities				
... (text) (text) (text) (text) (text) ...

Integrity

Respect and Open Communications

Responsibility and Accountability

Teamwork

Create Shareholder Value

ATTACHMENT D – GLOSSARY OF COMMONLY USED TERMS



8 GLOSSARY OF TERMS

AER	Annual Environmental Return (EPA)
AEMR	Annual Environmental Management Report (DTIRIS [DRE] coordinated for DP&I and other regulators)
ANZECC	Australian New Zealand Environmental Conservation Council
ARD	Acid Rock Drainage
ARMCANZ	Agriculture and Resource Management Council of Australia and New Zealand
ARI	Annual Recurrence Interval
ASWAT	Aggregate Stability in Water
AWS	Automatic Weather Station
BB	Barrick Buddies
BCPC	Bland Creek Paleochannel
BDHS	Bland District Historical Society
BLMP	Blast Management Plan
BMP	Bushfire Management Plan
BSC	Bland Shire Council
CEMCC	Community Environmental Monitoring & Consultative Committee
CGM	Cowal Gold Mine
CHES	Community Relations, Health, Environmental, Safety and Security
CIL	Carbon in Leach
CLM	Contaminated Land Management
CMP	Cyanide Management Plan
CMS	Chemical Management Strategy
CPCC	Cowal Project Coordinating Committee (WCC - Barrick)
CWHC	Cowal Partnering Program
CRMA	Cowal Risk Management Application
CSIRO	Commonwealth Scientific and Industrial Research Organisation
CW	Compensatory Wetland
CWHC	Cowal West Homestead Complex
CWMP	Compensatory Wetland Management Plan
DMP	Department of Mines & Petroleum
DP&I	Department of Planning and Infrastructure
DECCW	Department of Environment, Climate Change and Water (now EPA)
DI	Department of Industry and Investment - Minerals Resources (DTIRIS)
DPI	Department of Primary Industries – Agriculture, Fisheries
DTIRIS-MR	Department of Trade, Investment and Regional Infrastructure Services – Mineral Resources
DSC	Dams Safety Committee
EA	Environmental Assessment
EC	Electrical Conductivity
EEC	Ecologically Endangered Community
EFA	Ecosystem Function Analysis
EIS	Environmental Impact Statement
EMP	Environmental Management Plan
EMS	Environmental Management System
EMSS	Environmental Management System Standards
EPA	Environment Protection Authority
EPL	Environment Protection License
ERO	Emergency Response Officer
ERP	Emergency Response Plan (see PIRMP)
ERT	Emergency Response Team
ESCP	Erosion and Sediment Control Program
ESB	Eastern Saline Borefield
ESCMP	Erosion and Sediment Control Management Plan
ETBC	Employment Training Business Council (WCC – Barrick)
FFMP	Flora and Fauna Management Plan
FOR	Fuel and Oils Register
FRP	Final Rehabilitation Plan
GDP	Ground Disturbance Protocol

GEM	Geo-Environmental Management
GFZ	Gilmore Fault Zone
HMP	Heritage Management Plan
HSR	Hazardous Substances Register
HWCMP	Hazardous Waste and Chemical Management Plan
HSDG	Hazardous Substances and Dangerous Goods
HSDGR	Hazardous Substances and Dangerous Goods Register
IACHMP	Indigenous Archaeology and Cultural Heritage Management Plan
ICMC	International Cyanide Management Institute Code for Cyanide Management
IEA	Independent Environmental Audit
IMP	Independent Monitoring Panel
INP	Industrial Noise Policy
ISO 14001	International Standards Organisation – Best Practice Environmental Management Standard
KPI	Key Performance Indicator
LCCC	Lake Cowal Conservation Centre
LCF	Lake Cowal Foundation
LCMA	Lachlan Catchment Management Authority. Now reformed as LLS.
LEP	Local Environment Plan
LHPA	Livestock Health and Pest Authority – now LLS (formerly RLPB).
LIDAR	Light detection and ranging. High-speed aerial laser pulses to generate 3-D shot (3-D ± 0.1 m).
LOR	Limit of Reporting
LPB	Lake Protection Bund
LPMBP	Monitoring Programme for Lake Protection Bund, Water Storage and Tailings Structures and Pit-Void Walls
LFA	Landscape Function Analysis
LLS	Local Land Service. Late 2013 replacement of LHPA, LCMA and DPI-Agriculture entities. Lake Cowal sits across the LLS Riverina & LLS Central-west zones (roughly on a north-south line).
LMP	Land Management Plan
LSMP	Landscape Management Plan
MIC	Maximum Instantaneous Charge
ML	Mega Litres = 1 Million Litres
m	metres
ML	Mining Lease
MOP	Mining Operations Plan
MSDS	Material Safety Data Sheet
NAF	Non Acid Forming (rock acid forming potential)
NGER	Australia's National Greenhouse and Energy Reporting Scheme
NMP	Noise Management Plan
NoW	New South Wales Office of Water (formerly DWE within OEH - EPA).
NPI	National Pollutant Inventory
NPWS	National Park and Wildlife Service
NSWFR	NSW Fire and Rescue (formerly NSW Fire Brigade)
NTSF	Northern Tailings Storage Facility
NWRE	Northern Waste (rock) Emplacement
OEH	Office of Environment and Heritage
OSCAR	Australian Online System for Comprehensive Activity Reporting
PIRMP	Pollution Incident Response Management Plan (see ERP)
PPE	Personal Protective Equipment
PRA	Preliminary Risk Assessment
PWRE	Perimeter Waste (rock) Emplacement
RAB	Rotary Air Blast
Registered Site	Registered Site (NSW) NPW Act
RFS	NSW Rural Fire Service
RIMS	Barrick Responsibility Information Management System
RL	Relative Level metres
ROMP	Rehabilitation and Offset Management Plan
RVEP	Revegetation Enhancement Project
SDS	Manufacturer's Safety Data Sheet
SMBS	Sodium metabisulphite (cyanide destruct reagent replacing Caro's Acid)
SOE	State of the Environment

SOI	Southern Oscillation Index
SSMP	Soil Stripping Management Plan
STSF	Southern Tailings Storage Facility
SWRE	Southern Waste (rock) Emplacement
SWGMBMP	Surface Water, Groundwater, Meteorological and Biological Monitoring Programme
SWMP	Site Water Management Plan
THMS	Transport of Hazardous Materials Study
TIB	Temporary Isolation Bund
TNMP	Traffic Noise Management Plan
TSF	Tailings Storage Facility
TSMP	Threatened Species Management Protocol
TSMS	Threatened Species Management Strategy
TSP	Total Suspended Particulates
TSR	Travelling Stock Route
UCDS	Up Catchment Diversion System
VCP	Vegetation Clearance Permit
VCP	Vegetation Clearance Protocol
VPA	Voluntary Planning Agreement
WAD	Weak Acid Dissociated
WCC	Wiradjuri Condobolin Corporation
WCCHC	Wiradjuri Condobolin Cultural Heritage Company
WIRES	Wildlife Information Rescue and Education Service