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.

<table>
<thead>
<tr>
<th>ITEM</th>
<th>ACTION</th>
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<tbody>
<tr>
<td>1.0 Welcome</td>
<td>Independent Chair, Margaret MacDonald-Hill opened the meeting at 9.08 am.</td>
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<tr>
<td>2.0 Declaration of Interest</td>
<td>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</td>
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<td>3.0 Business Arising from previous Minutes</td>
<td>Nil</td>
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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

**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)
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).

### 5.0 General Business

It was requested that future meeting minutes include a list of Common Acronyms and their definitions (Attachment D)

2015 Preliminary Meeting Schedule:
- 4 March, 2015 – Cowal Gold Mine
- 3 June 2015, Venue TBA
- 9 September 2015, Venue TBA
- 2 December 2015, Venue TBA

### 6.0 Meeting Closed – 11:45am

Available CEMCC Members were invited to go on a guided tour of the Cowal Gold Mine following the meeting.

### 7.0 Next Meeting

Wednesday 3rd June 2015, at Bland Shire Council Chambers, West Wyalong.
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
Community Relations

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

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

Cowal Update
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)

Employees Behaviour:
- The Complainant attempted to call the Cemric Gold Mine’s Community Relations Manager directly at 10:33am 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 expressed that they were dissatisfied with the outcome of an engagement between the Complainant and a representative of the Cemric Gold Mine.
- The Complainant advised that the mine’s representative had contacted the Complainant to request that the Complainant remove their stock (cattle) from Cemric Gold Mine Mining owned land.
- The Complainant went on to state that the Cemric Gold Mine’s representative had said they would remove the stock themselves to the nearby travelling stock route unless the complaint 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 Cemric Gold Mine personnel would not take action to have the stock moved to the travelling stock route. The Cemric 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 Cemric Gold Mine owned land as Lake Cemric was receding and fencing was inadequate to prevent unintended stock movement.
- Fencing is planned to be undertaken by the end of the year (2014) with costs shared between the Cemric 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 Cemric Gold Mine personnel.
- The cattle were removed by the Complainant and boundary fencing completed in 2014.
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.

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.
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.

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 an administrative speed limit of 50km/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.
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
New applications

New applications for discussion:
- Aboriginal Culture Officer – Bland Shire Council
- Federal Government Mobile Phone Black Spot Programme – Jemalong 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

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
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

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 WMLALC to better serve the community and improve access to Indigenous culture.

Improvements to the WMLALC 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
Forbes Shire Council

Ben Hall Festival and Heritage Week

Project Summary:

Forbes Shire Council in 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

Rotary Club of West Wyalong

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
Can Assist – West Wyalong

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

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
Condobolin and District Historical Society

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

Condobolin High School

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 own 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
Environmental Management Overview

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

Barrick Gold Corporation believes that wise environmental stewardship is based on careful planning, diligent implementation, thoughtful assessment of performance and a desire to improve over time. Successfully implementing plans and programs results in benefits derived for our natural environment. Moreover, Barrick believes that we can contribute to the sustainable development of our host communities. We are committed to meeting the needs of current members of that community without jeopardising the ability of future generations to meet their needs.

Therefore, we believe Barrick must:

- Regularly communicate this policy to those who work at Barrick, their families, and our host communities.
- Establish, document and maintain an environmental management system and analyse actual environmental requirements.
- Educate our people, their families, and our neighbouring communities about our systems and practices.
- Instruct those who serve on our Operations to follow all relevant environmental policies and practices.
- Ensure that our leadership and our people understand, support and maintain our environmental management system.
- Provide our managers with the authority and resources necessary to implement our environmental management system and associated environmental standards and practices.

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. Six Long-necked Turtles in Mining and Processing works; 2/1 Nunbyu; 3/1 Processing; 2/1 Bundled Bagans – Processing; 2/1 Washby – inside TSP fence; 2/1 Microbat on Fossas Crossheadlight. Wikes.

 Pest Control:
- Addressing feral cat numbers.
- Mouse baiting continuing. No mice since 2012 mini-plague.
- 1080 Fox baiting resumed 08 September 2014 (50 blue chicken wings).
- Poison bait for Rabbits (50 kg green carrots).

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

- 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 banded area inside Process Plant.

- Three (3) native animal rescued – x1 juvenile Emu; x1 Brown Snake and x1 Microbat.
  WIREs Calls.

- Pest Control:
  - Addressing feral cat numbers.
  - Mouse baiting continuing. No mice since 2012 mini-plague.
  - 1000 Fox baiting resumed 06 September 2014 (suspended for start of New Year).
  - Pindone baits for Rabbits (suspended for start of New Year).

- Mutual Aid: NS (9) – WIREs.

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

- 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 banded area inside Process Plant.

- Four (4) native animals rescued – x1 juvenile Brown Snake; x1 Pied Butcherbird; x1 WIREs.

- Pest Control:
  - Mouse baiting continuing. No mice since 2012 mini-plague.
  - 1000 Fox baiting resumed 06 September 2014 (suspended for start of New Year).
  - Pindone baits for Rabbits (suspended for start of New Year).

- Mutual Aid: NS (9) – WIREs.

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 (§75W) request process.

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);
  - ±3 EPA Officers Audit (26-27 February 2015); and
  - MOD11 variation request of EPL to follow DP&E approval 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


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 Buttressing

Commenced the 5th Lift STSF, and STSF rock buttress works (15,000 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.

EMP's status update

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

Groundwater Sources

- ESB
- BCPC
- Pit/Rain
- River

2086mRL - 154 m below surface (public Govt. Works).
75 m below is preliminary water supply (already doing).
Cyanide Monitoring Results

November 2014 – TSF - Decant

Cyanide Monitoring Results

December 2014 – TSF - Decant
Cyanide Monitoring Results
January 2015 – TSF - Decant

CN SMBS Win – Win Waste Mgt
Env Dept Happenings
Team Cowal – Enviros

- 2015 targets in progress

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<td>Climate Change</td>
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<td>Environmental Incident Reporting</td>
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<td>Mine Closure</td>
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<td>Reclamation Cost Estimate</td>
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<td>Closure Plan</td>
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<td>Major Non-Conformances</td>
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Environmental Management
RESPONSIBLE MINING
Cowal Gold Mine 2015
Continual improvement

Member’s info supply
Barrick Toronto direct link to the Cowal web page:
http://www.barrick.com/operations/australia/cowal
Look Ahead

Key Environmental Issues

- Lake Cowal to dry state – biological cycle.
- March 2015 ambient noise survey.
- Approval of all Revised Cowal EMPs (end-May. 2015).
- Ongoing rehabilitation trial & maintenance works
- Next CEMCC Meeting (03 June 2015).
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)
ANZEC  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
CHESS  Community Relations, Health, Environmental, Safety and Security
CIL  Carbon in Leach
CLM  Contaminated Land Management
CMP  Cyanide Management Plan
CMS  Chemical Management Strategy
CPC  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)
DIS  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 PRMP)
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
<table>
<thead>
<tr>
<th>Acronym</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEM</td>
<td>Geo-Environmental Management</td>
</tr>
<tr>
<td>GFZ</td>
<td>Gilmore Fault Zone</td>
</tr>
<tr>
<td>HMP</td>
<td>Heritage Management Plan</td>
</tr>
<tr>
<td>HSR</td>
<td>Hazardous Substances Register</td>
</tr>
<tr>
<td>HWCMCP</td>
<td>Hazardous Waste and Chemical Management Plan</td>
</tr>
<tr>
<td>HSDG</td>
<td>Hazardous Substances and Dangerous Goods</td>
</tr>
<tr>
<td>HSDDGR</td>
<td>Hazardous Substances and Dangerous Goods Register</td>
</tr>
<tr>
<td>IACHMP</td>
<td>Indigenous Archaeology and Cultural Heritage Management Plan</td>
</tr>
<tr>
<td>ICMC</td>
<td>International Cyanide Management Institute Code for Cyanide Management</td>
</tr>
<tr>
<td>IEA</td>
<td>Independent Environmental Audit</td>
</tr>
<tr>
<td>IMP</td>
<td>Independent Monitoring Panel</td>
</tr>
<tr>
<td>INP</td>
<td>Industrial Noise Policy</td>
</tr>
<tr>
<td>ISO 14001</td>
<td>International Standards Organisation – Best Practice Environmental Management Standard</td>
</tr>
<tr>
<td>KPI</td>
<td>Key Performance Indicator</td>
</tr>
<tr>
<td>LCCC</td>
<td>Lake Cowel Conservation Centre</td>
</tr>
<tr>
<td>LCF</td>
<td>Lake Cowel Foundation</td>
</tr>
<tr>
<td>LCMA</td>
<td>Lachlan Catchment Management Authority. Now reformed as LLS.</td>
</tr>
<tr>
<td>LEP</td>
<td>Local Environment Plan</td>
</tr>
<tr>
<td>LHPA</td>
<td>Livestock Health and Pest Authority – now LLS (formerly RLPB).</td>
</tr>
<tr>
<td>LiDAR</td>
<td>Light detection and ranging. High-speed aerial laser pulses to generate 3-D shot (3-D ± 0.1 m).</td>
</tr>
<tr>
<td>LOR</td>
<td>Limit of Reporting</td>
</tr>
<tr>
<td>LPB</td>
<td>Lake Protection Bund</td>
</tr>
<tr>
<td>LPMBP</td>
<td>Monitoring Programme for Lake Protection Bund, Water Storage and Tailings Structures and Pit-Void Walls</td>
</tr>
<tr>
<td>LFA</td>
<td>Landscape Function Analysis</td>
</tr>
<tr>
<td>LLS</td>
<td>Local Land Service. Late 2013 replacement of LHPA, LCMA and DPI-Agriculture entities. Lake Cowel sits across the LLS Riverina &amp; LLS Central-west zones (roughly on a north-south line).</td>
</tr>
<tr>
<td>LMP</td>
<td>Land Management Plan</td>
</tr>
<tr>
<td>LSMP</td>
<td>Landscape Management Plan</td>
</tr>
<tr>
<td>MIC</td>
<td>Maximum Instantaneous Charge</td>
</tr>
<tr>
<td>ML</td>
<td>Mega Litres = 1 Million Litres</td>
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<tr>
<td>m</td>
<td>metres</td>
</tr>
<tr>
<td>ML</td>
<td>Mining Lease</td>
</tr>
<tr>
<td>MOP</td>
<td>Mining Operations Plan</td>
</tr>
<tr>
<td>MSDS</td>
<td>Material Safety Data Sheet</td>
</tr>
<tr>
<td>NAF</td>
<td>Non Acid Forming (rock acid forming potential)</td>
</tr>
<tr>
<td>NGER</td>
<td>Australia’s National Greenhouse and Energy Reporting Scheme</td>
</tr>
<tr>
<td>NMP</td>
<td>Noise Management Plan</td>
</tr>
<tr>
<td>NoW</td>
<td>New South Wales Office of Water (formerly DWE within OEH – EPA).</td>
</tr>
<tr>
<td>NPI</td>
<td>National Pollutant Inventory</td>
</tr>
<tr>
<td>NPWS</td>
<td>National Park and Wildlife Service</td>
</tr>
<tr>
<td>NSWFR</td>
<td>NSW Fire and Rescue (formerly NSW Fire Brigade)</td>
</tr>
<tr>
<td>NTSF</td>
<td>Northern Tailings Storage Facility</td>
</tr>
<tr>
<td>NWRE</td>
<td>Northern Waste (rock) Emplacement</td>
</tr>
<tr>
<td>OEH</td>
<td>Office of Environment and Heritage</td>
</tr>
<tr>
<td>OSCAR</td>
<td>Australian Online System for Comprehensive Activity Reporting</td>
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<tr>
<td>PIRMP</td>
<td>Pollution Incident Response Management Plan (see ERP)</td>
</tr>
<tr>
<td>PPE</td>
<td>Personal Protective Equipment</td>
</tr>
<tr>
<td>PRA</td>
<td>Preliminary Risk Assessment</td>
</tr>
<tr>
<td>PWRE</td>
<td>Perimeter Waste (rock) Emplacement</td>
</tr>
<tr>
<td>RAB</td>
<td>Rotary Air Blast</td>
</tr>
<tr>
<td>Registered Site</td>
<td>Registered Site (NSW) NPW Act</td>
</tr>
<tr>
<td>RFS</td>
<td>NSW Rural Fire Service</td>
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<tr>
<td>RIMS</td>
<td>Barrick Responsibility Information Management System</td>
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<tr>
<td>RL</td>
<td>Relative Level metres</td>
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<tr>
<td>ROMP</td>
<td>Rehabilitation and Offset Management Plan</td>
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<tr>
<td>RVEP</td>
<td>Revegetation Enhancement Project</td>
</tr>
<tr>
<td>SDS</td>
<td>Manufacturer’s Safety Data Sheet</td>
</tr>
<tr>
<td>SMBS</td>
<td>Sodium metabisulphite (cyanide destruct reagent replacing Caro’s Acid)</td>
</tr>
<tr>
<td>SOE</td>
<td>State of the Environment</td>
</tr>
<tr>
<td>Acronym</td>
<td>Description</td>
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<tr>
<td>---------</td>
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<tr>
<td>SOI</td>
<td>Southern Oscillation Index</td>
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<tr>
<td>SSMP</td>
<td>Soil Stripping Management Plan</td>
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<td>STSF</td>
<td>Southern Tailings Storage Facility</td>
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<td>SWRE</td>
<td>Southern Waste (rock) Emplacement</td>
</tr>
<tr>
<td>SWGMBMP</td>
<td>Surface Water, Groundwater, Meteorological and Biological Monitoring Programme</td>
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<tr>
<td>SWMP</td>
<td>Site Water Management Plan</td>
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<tr>
<td>THMS</td>
<td>Transport of Hazardous Materials Study</td>
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<tr>
<td>TiB</td>
<td>Temporary Isolation Bund</td>
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<tr>
<td>TNMP</td>
<td>Traffic Noise Management Plan</td>
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<td>TSF</td>
<td>Tailings Storage Facility</td>
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<tr>
<td>TSMP</td>
<td>Threatened Species Management Protocol</td>
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<tr>
<td>TSMS</td>
<td>Threatened Species Management Strategy</td>
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<tr>
<td>TSP</td>
<td>Total Suspended Particulates</td>
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<tr>
<td>TSR</td>
<td>Travelling Stock Route</td>
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<tr>
<td>UCDS</td>
<td>Up Catchment Diversion System</td>
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<tr>
<td>VCP</td>
<td>Vegetation Clearance Permit</td>
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<tr>
<td>VCP</td>
<td>Vegetation Clearance Protocol</td>
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<td>VPA</td>
<td>Voluntary Planning Agreement</td>
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<td>WAD</td>
<td>Weak Acid Dissociated</td>
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<tr>
<td>WCC</td>
<td>Wiradjuri Condobolin Corporation</td>
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<tr>
<td>WCCHC</td>
<td>Wiradjuri Condobolin Cultural Heritage Company</td>
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<tr>
<td>WIRES</td>
<td>Wildlife Information Rescue and Education Service</td>
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</tbody>
</table>