



MINUTES OF MEETING

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

Wednesday 3 June 2015
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), Jenene McGrath (JM)
Bland Shire Council:	Neil Pokoney (NP), Leeanne Hampton (LH)
Forbes Shire Council:	Brian Matiske (BM)
Lachlan Shire Council:	Graham Scott (GS)
Lake Cowal Landowners Association:	Bruce Dent (BD)
Wiradjuri Condobolin Corporation:	Ally Coe (AC)

Apologies: Daryl Nielsen

ITEM	ACTION
<p>1.0 Welcome</p> <p>Independent Chair, Margaret MacDonald-Hill opened the meeting at 9:01 am.</p>	
<p>2.0 Declaration of Interest</p> <p>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.</p> <p>For a full Declaration of Interest for all members, see Attachment A</p>	
<p>3.0 Confirmation of Previous Minutes</p> <p>Dave Carter shown as both attending and apology. Minutes amended to apology. Moved by Lucy Buttenshaw, seconded by Angus Stitt</p> <p>4.0 Business Arising from previous Minutes</p> <p>Nil</p>	



<p>Correspondence</p> <p>In 20/3/15 email from Barrick NF&O incident report 26/3/15 email from Barrick on revised strategies and management plan 4/5/15 email from Barrick NF&O incident report 6/5/15,11/5 & 14/5 email notification & incident report from Barrick 1/6/15 email from Barrick NF&O incident report</p> <p>Out email 27/3/15 to Barrick confirming CEMCC consensus on Water Management and Decommissioning Strategies & Revised Rehabilitation Management Plan</p>	
<p>5.0 Reports</p> <p>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 the recent announcement that Barrick will sell the Cowal Gold Mine to the Australian mining company, Evolution Mining.</p> <ul style="list-style-type: none"> ▪ Community Relations activities ▪ Upcoming activities ▪ Complaints/Grievances <p>Complaints/Grievances</p> <p>The 3 complaints received since the last meeting were from five individual stakeholders:</p> <ul style="list-style-type: none"> ▪ The complaints received relate to: <ul style="list-style-type: none"> ▪ Employee behaviour (1) ▪ Land Access (1) ▪ Fugitive Light (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>6.0 General Business</p> <p>Per an earlier request, a list of Common Acronyms and their definitions is included at (Attachment D)</p> <p>MMH discussed environmental incident reporting to the CEMCC for fauna mortality. The CEMCC agreed that only suspected cyanide related mortalities should be reported immediately to the CEMCC.</p>	
<p>7.0 Meeting Closed – 10:02am</p>	
<p>8.0 Next Meeting</p> <p>Wednesday 9th September 2015, at the Cowal Gold Mine. Representatives from Evolution Mining will be invited to attend.</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
- Upcoming activities
- Complaints/Grievances

3

Community Relations



Activities since the last CEMCC Meeting:

- Delivered Annual Native Title Deed Implementation Presentation to the Wiradjuri Condobolin Corporation's Annual General Meeting;
- Completed triennial Native Title Deed Review in cooperation with the Wiradjuri Condobolin Corporation;
- Assisted WCC Contract Cleaners to achieve their Cert II in Commercial Cleaning;
- Official Launch of the book, "Right Around the Cowal – a community history of the Lake Cowal area", published by the Lake Cowal Foundation;
- Conducted three Cultural Awareness Training Sessions for employees and contractors. Training delivered by the Wiradjuri Condobolin Corporation;
- Attended Condobolin High School for presentation of Cowal Gold Mine's Endeavour Scholarships.

3

Endeavour Scholarships - Condobolin



4

Cert II Commercial Cleaning Graduation



5

Native Title Deed Triennial Review



6

Lake Cowal Book Launch at LCCC



7

Upcoming Activities



- Finalisation of transfer to Evolution Mining from Barrick;
- Annual RoadSafe September program;
- Community and Family Open Days in September;
- Barrick Global Excellence Awards;
- Endeavour Scholarship Presentations at Red Bend Catholic College, Forbes;
- July edition of Cowal Update to be published.

8

Complaints/Grievances



- CGM received three (3) complaints since the last meeting of the CEMCC which was held on 3 March 2015.
- The two complaints received relate to:
 - Employee Behaviour: 1
 - Land Access: 1
 - Fugitive Light: 1
- The complaints were from a selection of stakeholders:
 - Complainant A: 33% (1)
 - Complainant B: 33% (1)
 - Complainant C: 33% (1)

9

Complaints/Grievances



Employee Behaviour:

1. The Complainant called the CGM's Senior Community Relations Advisor to lodge a complaint regarding a Barrick-owned property in West Wyalong whose gardens were overgrowing into the Complainant's mother's yard.
2. The CGM's Senior Community Relations Advisor apologised to the Complainant and undertook to arrange to have the vegetation trimmed back.
3. The CGM's Senior Community Relations Advisor called the Complainant at approximately 2pm on 25/03/2015 to advise that the works had been undertaken at the property.
4. The Complainant indicated their satisfaction with the resolution of their Complaint.

10

Complaints/Grievances



Land Access:

1. The Complainant called the CGM Complaints Hotline at 7:37pm on 10/03/2015 regarding exploration activity occurring on a neighbouring property without signed land access agreements in place.
2. The Complainant again called the CGM Complaints Hotline at 8:04am on 11/03/2015 regarding the same matter.
3. The CGM Community Relations Manager returned the Complainant's call at 8:06am on 11 March 2015.
4. The Complainant advised that they were aware that exploration activity was occurring on a neighbouring property not owned by the complainant and that there was no signed land access agreement in place with the property's owner.
5. The Complainant asked that all activities on the property be ceased until a land access agreement could be reached with the landowner.
6. The CGM's Community Relations Manager acknowledged the Complainant's concerns and explained that he could not deal directly with the Complainant on the matter because the Complainant was not the owner or resident of the land in question.
7. Despite this, the CGM's Community Relations Manager agreed to make arrangements to cease exploration activities immediately until access arrangements could be formalised with the relevant property's landowner.
8. The CGM Community Relations Manager called the Complainant again at 8:19am on 11/03/2015 to confirm that the exploration activities had been ceased and all personnel had left the property with a view to formalising land access agreements.
9. The CGM Community Relations Manager met with the relevant landowner at 9:00am on 11/03/2015 and presented a land access agreement.
10. The landowner indicated a willingness to sign the agreement immediately however the CGM Community Relations Manager reminded the landowner that they were welcome to seek legal advice regarding the agreement prior to signing.
11. After reading the land access agreement in detail, the landowner agreed to sign the agreement with a view to having exploration activities recommence on the property later that day.
12. The Landowner also undertook to contact the Complainant (they are known to each other) and discuss the matter and explain that a land access agreement had been entered into for the exploration activities to be completed on the property.
13. Exploration activities were completed on the relevant property and the CGM Community Relations Manager received confirmation of the landowner's satisfaction with the rehabilitation works completed on 19/03/2015.

11

Complaints/Grievances



Fugitive Light:

1. The Complainant called the CGM's Community Relations Manager directly regarding fugitive light from a lighting tower situated on the CGM's Northern Waste Rock Emplacement.
2. The Complainant explained that they are currently sowing crops in a neighbouring paddock at night time and the lighting tower is shining light in the Complainant's eyes.
3. The CGM's Community Relations Manager apologised for the inconvenience and undertook to arrange for the lighting tower to be repositioned immediately so the problem didn't occur again.
4. The CGM's Community Relations Manager invited the Complainant to contact him again if the problem is not resolved.
5. The CGM's Community Relations Manager contacted the CGM's Mining Manager to arrange to have the lighting tower repositioned for the upcoming night shift.
6. The CGM's Community Relations Manager undertook an inspection of lighting from areas near the Complainant's property at approximately 9:45pm on 30/04/2015 and observed that there appeared to be no fugitive light from the Northern Waste Emplacement and that the offending lighting tower had been repositioned appropriately.
7. The CGM's Community Relations Manager called the Complainant at approximately 9:10am on Friday, 01/05/2015 to confirm that the area had been inspected and that the fugitive light issue had been addressed.
8. The Complainant thanked the CGM Community Relations Manager for the call and advised they would be out in the paddock again this evening and would call again if there were any additional issues or concerns.

12

Questions...



ATTACHMENT C – ENVIRONMENTAL DEPARTMENT PRESENTATION



Cowal Gold Project
Environmental Management
CEMCC Meeting 03 June 2015

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 work planning, diligent implementation, thoughtful assessment of performance and a desire to improve over time.

Successful implementation of our plans results in some disturbance to our natural environment. However, 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 jeopardizing 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 clearly defined environmental requirements.

Engage our people, their families, and our neighboring communities about our systems and practices.

Ensure that those who provide services or products adhere to our environmental policy and practices.

Ensure that our leadership and our people understand, support and maintain our environmental management system.

Provide our managers, and supervisors the authority and resources necessary to implement our environmental management system and associated environmental standards and practices.

Apply proven management practices to prevent pollution or other environmental impacts, when practical, or to mitigate our impacts.

Set and review environmental objectives and targets aimed at continual improvement.

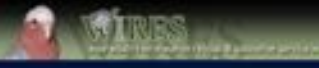

Conduct periodic reviews of our operations to monitor environmental performance and to guide its environmental management program.

Fully comply with all applicable environmental laws, regulations and other environmental obligations.

Work with governmental and civil leaders, environmental groups, and other concerned parties to develop a mutual understanding of environmental issues.

Nelson Durkin, Chairman Jim Owens, CEO

October 2014

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

Environmental Incidents



- **Reportable Incidents**
All incidents related to death of native fauna on the mining lease.
- **March 2015**
 - 2 Grey kangaroos – boundary fence line and bitumen access road.
 - 1 Red Kangaroo – bitumen access road.
 - 1 Red-capped Plover (Dotterel) – base of bulk oxygen tanks.
 - 1 Red-rumped Parrot – bitumen access road.
 - 1 Emu – boundary fence line entanglement – broken neck.
 - 1 White-winged Chough – bitumen access road.
 - 1 Welcome Swallow – bitumen access road.
 - 1 Blue-bellied Black Snake – gravel access road to TSP near warm poly pipe lines.
 - 1 Magpie-Lark – on ground near rear of new RO water treatment shed.
- **Fauna (4) native animals recovered** - of Blue-bellied Black Snake, of Bearded Dragon, of Brown Snake and of Eastern Scaly-foot Lizard. WIRRES.
- **Fauna Control:**
 - Addressing feral rate numbers.
 - Mouser baiting continuing. No mice since 2012 rodent-plague.
 - 1000 Feral baiting resumed 28 September 2014 (blue 1000 chicken wings).
 - Pindore baits for Rabbits (green Pindore carrots).
- **Mutual Aid.** Three (3) requests – Blue-tongue Lizard, Magpie-Lark and Gould's Grasshopper - WIRRES.
- All incidents were reported to Government agencies in accordance with regulatory approvals. Deceased fauna were forwarded to Veterinary Clinics to confirm cause of death. No death was associated with chemical toxicity & no further action necessary.

Rare find in reagent mixing bund

Eastern Hooded Scaly-foot (*Pygopus scbraderi*).

A flap-footed lizard (worm lizard).





Environmental Incidents

- **Reportable Incidents**
All incidents related to death of native fauna on the mining lease.
- **April 2015**
 - 2 juvenile Brown Snakes – bitumen access road.
 - 1 Welcome Swallow – juvenile fallen near building on gravel access road.
 - 1 Blue-bellied Black Snake – gravel access road to TSP near warm poly pipe lines.
 - 1 Magpie-lark – bitumen access road.
 - 1 Welcome Swallow – on ground by Flotation area blower units.
 - 1 Brown Snake – northern Haul Road.
 - Six (6) native animal rescued – n4 juvenile Emus; n1 Nankeen Kestrel; n1 Long-necked Turtle. WIRES Calls.
 - **Pest Control**
 - Addressing feral cat numbers.
 - Mouse baiting continuing. No mice since 2012 mini-plague.
 - 1000 Fox baiting resumed 05 September 2014 (none in May 2015).
 - Pindone baits for Rabbits (suspended for start of New Year).
 - **Manual Aid:** Nil (0) – WIRES.
- All incidents were reported to Government agencies in accordance with regulatory approvals. Deceased fauna were forwarded to Veterinary Clinics to confirm cause of death. No death was associated with chemical toxicity & no further action necessary.

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





Environmental Incidents

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

- **Reportable Incidents**
All incidents related to death of native fauna on the mining lease.
- **May 2015**
 - 1 Grey Kangaroo – bitumen access road (with pinkie joey).
 - 1 Silver Gull – storm water catch pond between NTSF and STSF.
 - Twelve (12) native animals rescued - x9 juvenile Emus; x1 pinkie Grey (cuth); x1 Rosella; x1 Wombat north waste rock emplacement haul road. WIRES.
 - **Pest Control**
 - Mouse baiting continuing. No mice since 2012 mini-plague.
 - 1000 Fox baiting resumed 08 September 2014 (none in May 2015).
 - Pindone baits for Rabbits (suspended for start of New Year).
 - **Mutual Aid:** Two (2) requests - x1 Galah (WVy Vet Clinic); x13 snakes Junees - 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.

CGM Wombat events

- 15 February 2008 (NTSF rescue/ relocate)
- 02 November 2013 (obs/ left)
- 25 May 2014 (rescue/ relocate)






RIV Call 18628

GP/RIV2665

Sat Image 21 February 2015

Lake level (2010 – 2014)



Environmental Summary

- MOP approved by DRE (09 Oct 2014) – 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 Cowl foreshore.

Regulatory Inspections

- EPA 'snap' Audit (26-27 Feb 2015).
 - Answered additional questions May.
 - Awaiting a draft report.
- Annual Independent Environmental Audit
 - Was conducted by amec (20-24 April 2015).
 - Drafting report – due soon.
- Annual bunding integrity audit (1-4 June 2015).
 - EXTRIN is reviewing bunds and 2014 maintenance.



Regulatory Works

- 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 approval of Revised EMPs (MOD11).



Regulatory in Process

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



CEMCC responded

CGM revised Strategy for Decommissioning of Water Management Structures & revised Strategy Long-term Management of Final Void and LPB (March 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), set the path forward to submit revised EMPs.
 - Recently met the revised submission date of end-May 2015.
 - When approved by DP&E. All CGM EMPs will be held on www.



15

SWE south (Jan – Nov 2014)



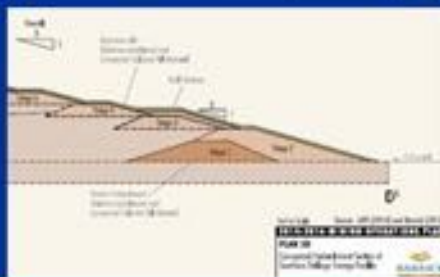
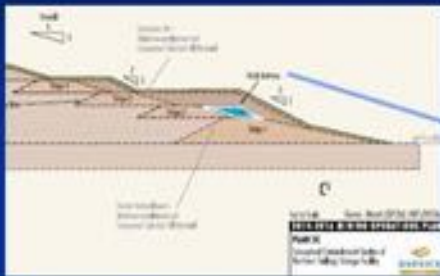
PWE s-east (seed June 2015)



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

This area has been re-worked (in September 2014), by covering it with the STSF buttress pre-strip works cover materials.

Dynamic Stability Buttressing



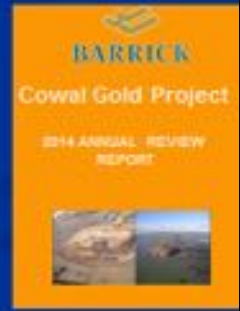
Continuing the 5th Lift STSF, and STSF rock buttress works (1:5,000 year earthquake design mitigation).

Factor Of Safety (FOS) is 1.5

Future Regulatory Inspections

- **11th Independent Monitoring Panel:**
 - After Annual Review (by the end-July 2015);
 - After 2015 IEA report issued (visit 20-24 April 2015).
 - Likely August 2015.

- **All relevant govt depts 2015 visit**
 - After lodgment of Annual Review.
 - Likely mid-August 2015.



2,000 native tube stock

29 August 2014



23 January 2015



Environmental Summary

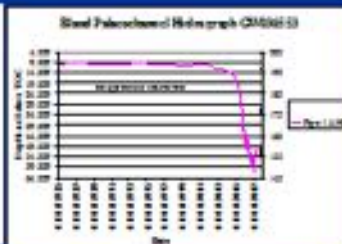
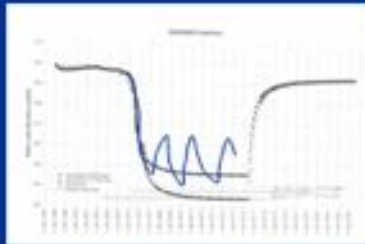
- Lake Blast loggers working well. SAROS mtce in Oct 2014.
- Blast activities - 100% compliance with 120 dB(L).
 - Ongoing communications with neighbours.



Water Supply



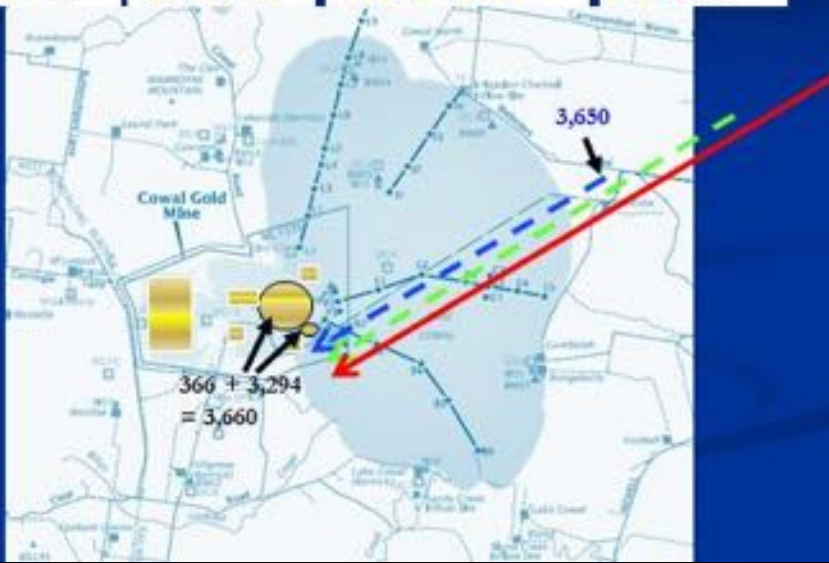
- Pond D9 half full (capacity of 690ML).
- 2,000 ML High Security Lachlan Reg Rv water in 2015.
- Saline water started (ESB). New RO Plant running.



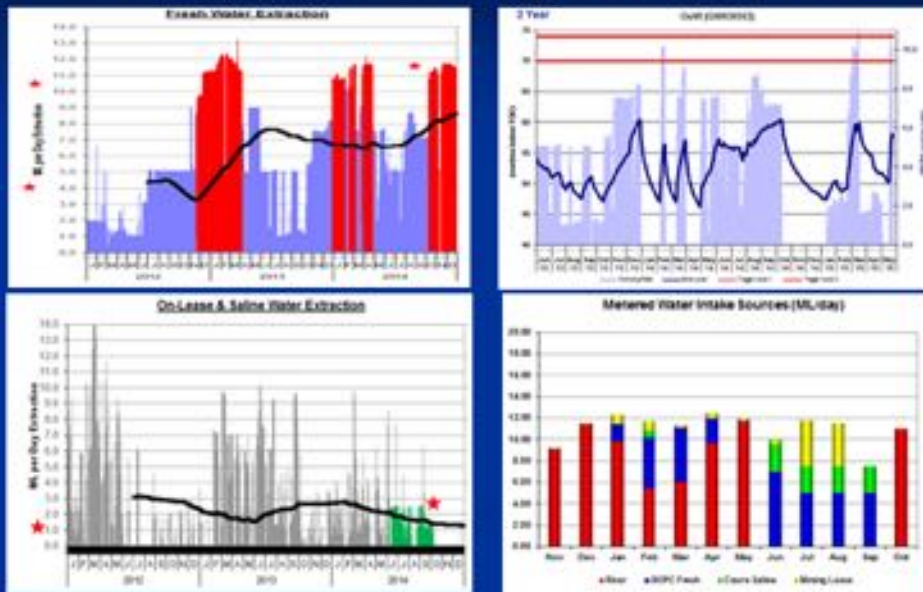
205mKL - 134 = 74m below surface (mostly Govt / Users).
70 m below is preliminary water support (already doing).

Groundwater Sources

■ ESB
 ■ BCPC
 ■ Pit/ Rain
 ■ River

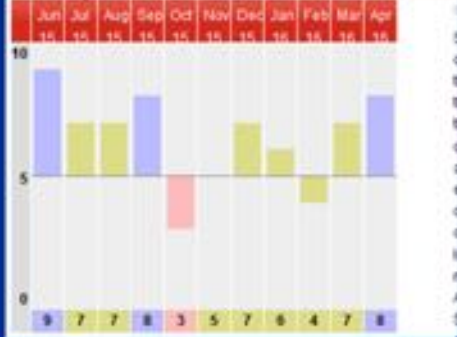


Fresh Water Intake Reduction



Weather forecast 2015

CW Slopes & Plains 12-month rainfall forecast



eldersweather.com.au

Rainfall deviates	
10	Well above normal
5.5	Above normal
4.7	Near normal
2.3	Below normal
1	Well below normal

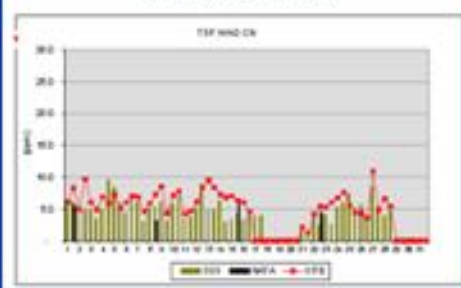
Long Range Outlook

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, 25 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

February 2015 – TSF - Decant

North - TSF TRENDS - February 15

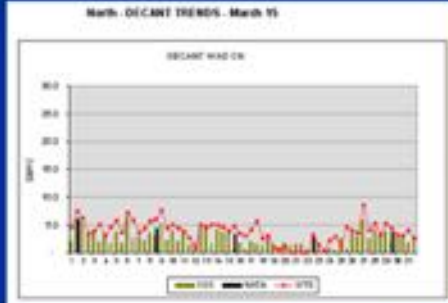
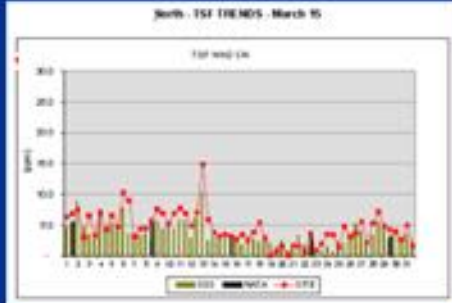


North - DECANT TRENDS - February 15



Cyanide Monitoring Results

March 2015 – TSF - Decant



Cyanide Monitoring Results

April 2015 – TSF - Decant



Cyanide Monitoring Results

May 2015 – TSF - Decant

Env Dept Happenings

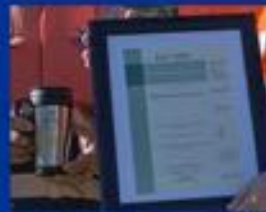
Team Cowal – Enviros

- 2015 targets in progress

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

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>

BARRICK

Home | Operations | Investors | Media | About Us

Cowal

The Cowal site is located in Central New South Wales, Australia, approximately 12 kilometers north of Alton (Sydney) and approximately 350 kilometers west of Sydney. Cowal is an open-pit operation, mined by a fleet of dump trucks, excavators and shovels equipment.

Cowal produced 297,000 ounces of gold in 2013, at an average cost of \$746 per ounce. Proven and probable mineral reserves as at December 31, 2013, were 1.8 million ounces of gold.

297,000
Ounces of gold produced in 2013

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

- Extension Modification - Environmental Assessment, September 2012
- Environmental Monitoring Data
- Complaints Register
- Independent Monitoring Panel
- E42 Modified Request - Environmental Assessment, October 2009
- Environmental Management Plans
- Pollution Incident Response Management Plan

Look Ahead Key Environmental Issues



- Lake Cowal to dry state – biological cycle.
- July 2015 ambient noise survey.
- Submission of all Revised Cowal EMPs (end-May. 2015).
- Ongoing rehabilitation trial & maintenance works
- Next CEMCC Meeting (09 September 2015).

<p>ENVIRONMENTAL MANAGEMENT SYSTEMS</p> <p>Health and Safety Environmental Quality Energy Water Waste Climate Change Biodiversity Land Use Cultural Heritage Socio-Economic Community Stakeholder Governance Ethics Anti-Corruption Human Rights Labour Practices Supply Chain Sustainability Responsible Investment Sustainable Development Goals</p>						Integrity
<p>ENVIRONMENTAL MANAGEMENT SYSTEMS</p> <p>Health and Safety Environmental Quality Energy Water Waste Climate Change Biodiversity Land Use Cultural Heritage Socio-Economic Community Stakeholder Governance Ethics Anti-Corruption Human Rights Labour Practices Supply Chain Sustainability Responsible Investment Sustainable Development Goals</p>						Respect and Open Communications
<p>ENVIRONMENTAL MANAGEMENT SYSTEMS</p> <p>Health and Safety Environmental Quality Energy Water Waste Climate Change Biodiversity Land Use Cultural Heritage Socio-Economic Community Stakeholder Governance Ethics Anti-Corruption Human Rights Labour Practices Supply Chain Sustainability Responsible Investment Sustainable Development Goals</p>					Responsibility and Accountability	
<p>ENVIRONMENTAL MANAGEMENT SYSTEMS</p> <p>Health and Safety Environmental Quality Energy Water Waste Climate Change Biodiversity Land Use Cultural Heritage Socio-Economic Community Stakeholder Governance Ethics Anti-Corruption Human Rights Labour Practices Supply Chain Sustainability Responsible Investment Sustainable Development Goals</p>					Teamwork	
<p>ENVIRONMENTAL MANAGEMENT SYSTEMS</p> <p>Health and Safety Environmental Quality Energy Water Waste Climate Change Biodiversity Land Use Cultural Heritage Socio-Economic Community Stakeholder Governance Ethics Anti-Corruption Human Rights Labour Practices Supply Chain Sustainability Responsible Investment Sustainable Development Goals</p>					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