



Cowal Gold Project Independent Environmental Audit July 2004 to January 2005

28 February 2005

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EXECUTIVE SUMMARY

An independent environmental audit of the mining and infrastructure areas of the Cowal Gold Project (CGP) development was conducted between the 17 and 21 January 2005 by Trevor Brown and Robert Drury of Trevor Brown & Associates to assess the status of the construction activities between July 2004 and January 2005 in relation to the conditions of approval in accordance with the Minister's Conditions of Approval (MCoA) No. 8.8.

The compliance audit was conducted in accordance with the Australian/New Zealand Standards AS/NZS ISO 14010:1996 - Guidelines and General Principles for Environmental Auditing; and AS/NZS ISO 14011:1996 – Procedures for Environmental Auditing.

The construction activities associated with the CGP commenced in January 2004 following preparation and approval of the required environmental management plans in accordance with the MCoA. The Independent Environmental Audit reviewed the available documentation in relation to the requirements of the MCoA and the other licenses and approvals granted for the project.

The construction activities during the first six (6) months (January to July 2004) involved establishment of temporary facilities for the mine administration and infrastructure, with the commencement of major earthworks related for the temporary isolation bund and laying of the pipeline from the production bores to the mine.

During the period July 2004 to January 2005 the construction centred on the completion of the temporary and permanent isolation bunds, construction of the water management structures and contained water ponds, internal access roads, northern tailings storage facility and commencement of the process plant construction (including excavation for the inground crusher unit).

The documentation held by Barrick at the Cowal Gold Project site and availability of site personnel for interview was provided to the auditors in an efficient manner and made the verification of compliance with the conditions of approval and other statutory approvals a straight forward exercise.

The documentation, reporting and construction activities at the Cowal Gold Project for the period July 2004 to January 2005 demonstrate a high degree of compliance with the conditions attached to the approvals granted to Barrick for the project.

1. INTRODUCTION

1.1 Background

The development consent granted for the Cowal Gold Mine (CGP) included the requirement for an independent third party audit of compliance to be conducted during construction in accordance with the Minister's Condition of Approval (MCoA) 8.8 - Third Party Monitoring/Auditing:

- (a) *An Independent Environmental Audit shall be completed: six monthly during construction;*

The Applicant shall conduct an environmental audit of the mining and infrastructure areas of the development in accordance with ISO 14010 - Guidelines and General Principles for Environmental Auditing, and ISO 14011 - Procedures for Environmental Auditing (or the current versions), and in accordance with any specifications required by the Director-General. Copies of the report shall be submitted by the Applicant to the Director-General, BSC, EPA, DLWC, DMR, NPWS and CEMCC within two weeks of the report's completion for comment.

(i) *The audit shall: assess compliance with the requirements of this consent, licences and approvals; in the event of any non-compliance, report on the effectiveness of the environmental management of the mine as it may relate to the area of non-compliance; be carried out at the Applicant's expense; and be conducted by a duly qualified independent person or team approved by the Director-General in consultation with BSC and CEMCC.*

(ii) *The Director-General may, after considering any submission made by the relevant government agencies, BSC and CEMCC on the report, notify the Applicant of any requirements with regard to any recommendations in the report. The Applicant shall comply with those reasonable requirements within such time as the Director-General may require.*

This independent environmental audit of the mining and infrastructure areas of the development was conducted between the 17 to 21 January 2005 by Trevor Brown and Robert Drury of Trevor Brown & Associates, to assess the status of the development activities at twelve (12) months from the commencement of project establishment.

1.2 Scope of Work

The compliance audit was conducted in accordance with the Australian/New Zealand Standards:

AS/NZS ISO 14010:1996 - Guidelines and General Principles for Environmental Auditing; and AS/NZS ISO 14011:1996 – Procedures for Environmental Auditing.

The scope of work for the compliance audit of the CGP included the following components:

- review of the implementation of the requirements of the development consent conditions, licences and approvals for the project;
- conduct of a site inspection and review of on-site documentation and monitoring data relevant to the compliance audit;
- discussions with project staff in relation to the development consent conditions and construction of the project;
- assessment of compliance of the project with the development consent conditions;
- preparation of this Compliance Audit Report providing assessment of compliance against each consent condition.

1.3 Structure of the Audit Report

The report has been prepared to provide comment on each condition of approval in a tabulated form, with additional discussion where required on specific matters. The tabulated comments are attached as appendices for the MCoA and EPL, with discussion of the status of the approvals provided where relevant for the first 6 months of the project establishment:

Section 1	Introduction
Section 2	Cowal Gold Project Status – January 2005
Section 3	Ministers Conditions of Approval (MCoA)
Section 4	Other Approvals
Section 5	Discussion and Conclusion
Appendix A	Ministers Conditions of Approval Table
Appendix B	Environmental Protection Licence Conditions Table
Appendix C	Mining Lease No. 1535 Table
Appendix D	Bore Licence Certificates – Cowal Gold Project

Glossary

The comments for the audit of the CGP for July 2004 to January 2005 are highlighted in red in the appended tables to clearly identify changes to the status of the audit findings for the second six (6) months of construction of the project. The initial audit findings have been left in the tables to provide a progressive review of the project progress.

1.4 Compliance Tables

The status of compliance of the Cowal Gold Project with the conditions of approval have been expressed in the audit tables using the following terminology:

Compliance - Yes	Implies compliance with the intent and/or requirement of the approval condition.
Compliance - NO	The specific requirement of the consent condition was not met.
Substantial Compliance	The intent of the consent condition has been met for the majority of the time, with some incidents where full compliance did not occur (eg. where monitoring results exhibit non-compliance for less than 5% of the total results for blast overpressure).
In progress	Construction activities have commenced and requirements of the MCoA are being implemented.
Not Activated	The condition had not been activated because the activity had not yet commenced, or the requirement of the condition had not been triggered (e.g. complaint driven monitoring, land acquisition, etc).
Not Applicable	The condition is not required to be actioned because of specific circumstance (e.g. notification of land owners when Barrick owns the land).
Noted	No specific auditable requirement applicable to the condition.

2 PROJECT STATUS – 30 JUNE 2004

The construction activities associated with the Cowal Gold Project commenced in January 2004 following preparation and approval of the required environmental management plans in accordance with the MCoA and Barrick obtaining the relevant approvals, permits, consents and licenses for the construction activities.

The general layout for the mine infrastructure and facilities is in accordance with the requirements of MCoA 1.1 as amended on 4 August 2004:

“The development is to be carried out generally in accordance with the EIS dated 13 March 1998, including the Statement of Intent by North Gold (WA) Ltd, and prepared by Resource Strategies, as amended by the plans in Appendix 2 of this consent and all other relevant documentation, including the Applicant's primary submission, and submission in reply to the Commission of Inquiry, as may be modified by the conditions set out herein.”

The construction activities during the first six (6) months involved establishment of temporary facilities for the mine administration and infrastructure installation, and commencement of major earthworks related for the temporary isolation bund and laying of the water supply pipeline from the production bores to the mine.

The activities during the first 6 months of construction January to July 2004 were:
New road within the Travelling Stock Route (TSR) and TSR establishment completed.
Fencing of the mining lease boundary and TSR completed.
Four (4) bores installed in the Bland Creek Palaeochannel.
Fire breaks constructed across the mining lease.
Relocation of Telstra cables.
Relocation of power lines within the ML boundary.
Meteorological station relocation to a permanent site.
Installation of the level crossing for the mine access road.
Removal of farm buildings impacted by mine infrastructure development.
Protective fences installed around high value heritage items on the mining lease.
Water supply pipeline to the mine from the production bores was completed across Lake Cowal in June 2004.
Temporary isolation bund started in mid-June 2004.
Construction of D1 and D4 water storage facilities started in late June.
Commencement of catchment drainage works.

The project layout and location of the major activities undertaken in the first 6 months are shown in Figure 1.

The activities during the second 6 months of construction July 2004 to January 2005 were:

Temporary isolation bund completed.
Permanent isolation bund completed.
Monitoring monuments and bores installed on the permanent isolation bund.
Water storage facilities D1, D2, D3, D4, D5 and D6 constructed.
Catchment drainage works around the mine project disturbed areas constructed.
Internal access road from the lease boundary to the process plant site commenced.
Water pipeline and dewatering bores for the mine pit installed.
Concrete Batch Plant installed (Readymix).
Temporary contractors compound (Hardy Bros) developed.
Crusher pit excavated for installation of the inground crusher at the process plant site.
Process plant foundations commenced for major structures.

Figure 1 Status of Cowal Gold Project development July 2004

Plate 1: TSR and new road June 2004.



Plate 2: Heritage building – shearing shed and yards



Plate 3: Heritage building with protective fencing

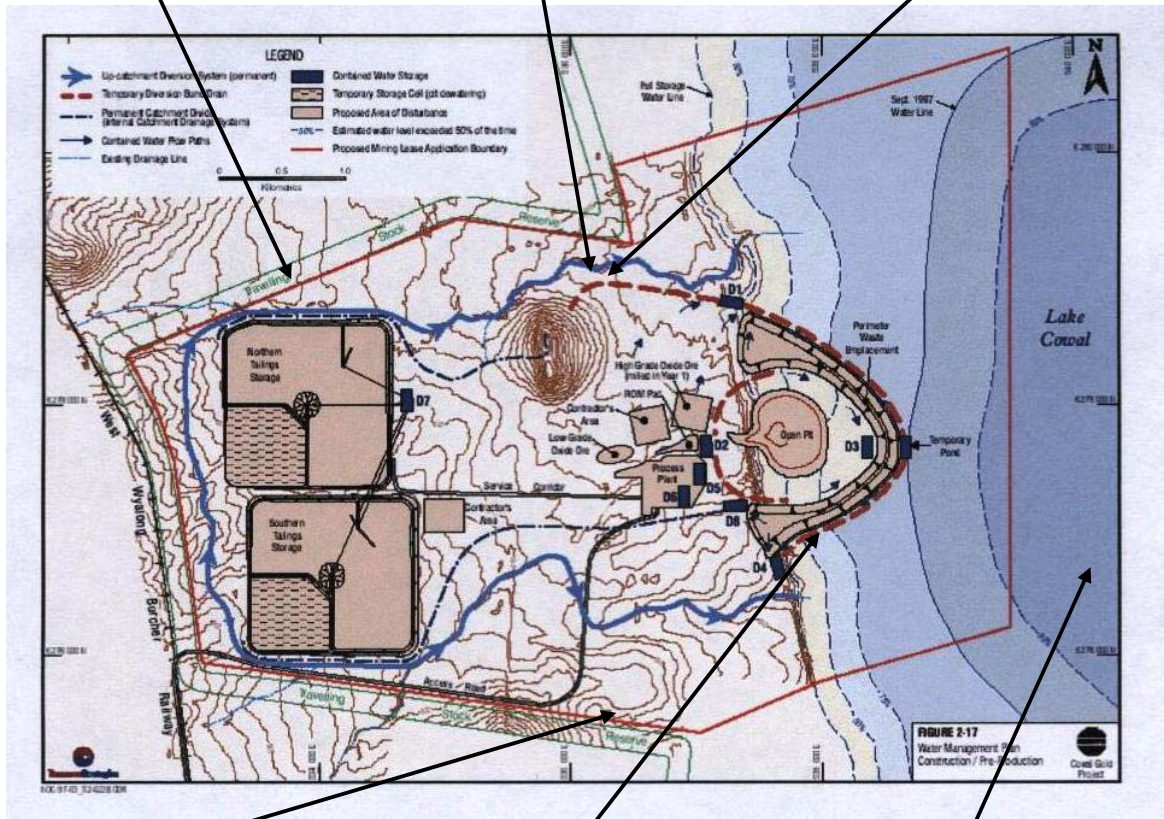


Plate 4: Meteorological Station.



Plate 5: Commencement of Temporary Isolation Bund.



Plate 6: Pipeline trench across Lake Cowal.

Figure 2 Status of Cowal Gold Project development January 2005

Plate 1: Crusher pit excavation – January 2005



Plate 2: Contained Water Storage D6 – HDPE lined.



Plate 3: Concrete Batch Plant near Process Plant Area

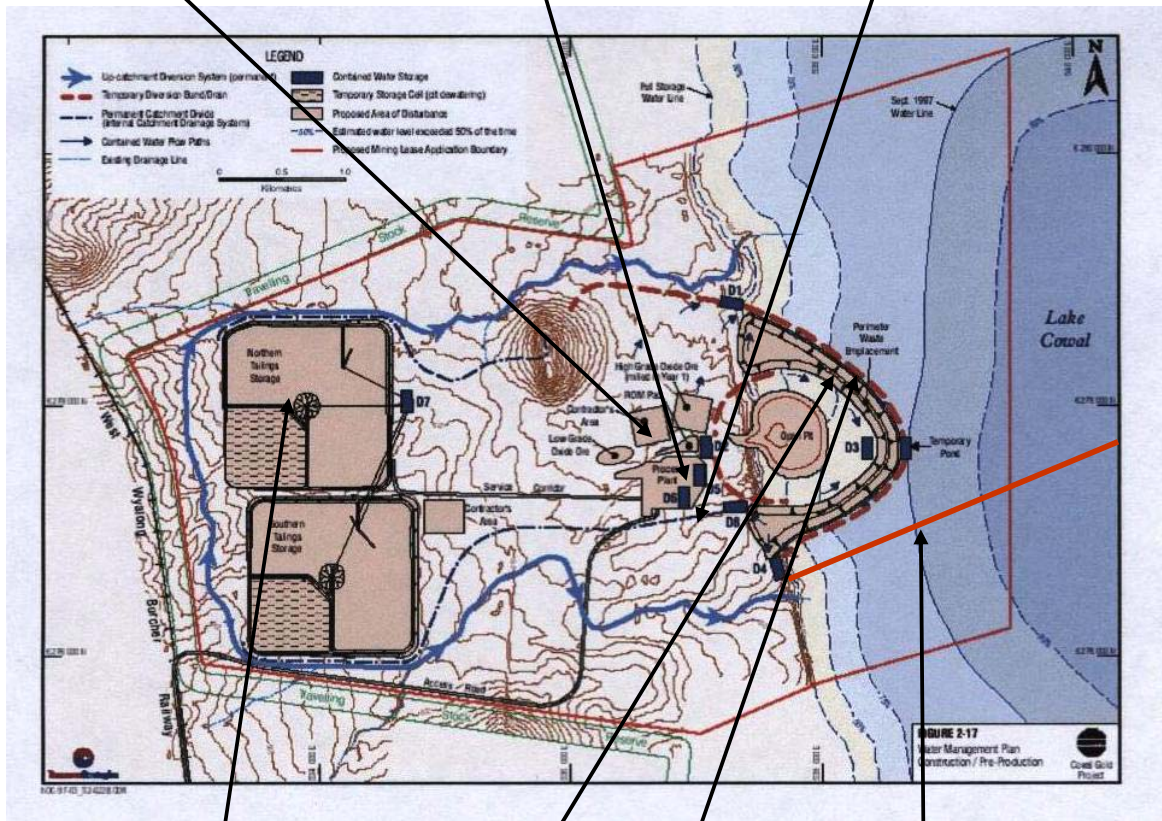


Plate 4: Northern Tailings Storage Facility establishment January 2005.



Plate 5: Temporary Isolation Bund and Permanent Isolation Bund.



Plate 6: Rehabilitated pipeline trench across Lake Cowal January 2005.

3. MINISTER'S CONDITIONS OF APPROVAL

The Development Consent (DA14/98) under the *Environmental Planning and Assessment Act 1979* and the Minister's Conditions of Approval (MCoA) for the CGP granted on 26 February 1999 and modifications granted on 11 August 2003, 22 December 2003 and 4 August 2004, include general requirements in relation to the overall development of the Cowal Gold Project and specific requirements for the management of potential issues where the legislative and administrative responsibilities are shared with other agencies (e.g. Department of Primary Industries, Department of Environment and Conservation, local Councils, etc).

This Independent Environmental Audit reviewed the available documentation in relation to the requirements of the MCoA and the other licenses and approvals granted for the project.

Where an authority other than Department of Infrastructure, Planning and Natural Resources had administrative responsibility for the requirements of the condition(s) or other approvals, the compliance status was determined by reviewing correspondence and consultation undertaken by Barrick to meet the requirement of the conditions of approval.

As this independent environmental audit was conducted of the construction activities for the Cowal Gold Project, a number of the approval conditions had not been activated. Where this is the case no comment is provided and the status of these conditions will be assessed and audited in later audits of the construction and/or operational activities.

3.1 Management Plans

Comments on the conditions related to each of the management plans are included under each specific condition in the Development Consent and Environmental Protection Licence tables in Appendices A and B. The following comments are provided where commitments in the management plans are made by Barrick for the Cowal Gold Project and specific additional comment was required.

Indigenous Archaeology and Cultural Heritage Management Plan

The Indigenous Archaeology and Cultural Heritage Management Plan was prepared by Barrick and approved by the Wiradjuri Condobolin Corporation (WCC) in writing on 6 August 2003. Approval was given under the auspices of the Wiradjuri Condobolin Culture and Heritage Company (WCC&HC) which was set up to manage the cultural and heritage component of the agreement between Barrick Australia and the Wiradjuri Condobolin People. The following comments are provided in relation to the management program for indigenous archaeology and cultural heritage, during the first 6 months of construction:

- Prior to construction earthworks being carried out, archaeological investigations have been undertaken by Cultural Heritage Officers provided by WCC working under the Principal Consulting Archaeologist (Dr Colin Pardoe). These investigations have enabled Letters of Certification to be submitted to Barrick by Dr Pardoe.
- Investigations have included the collection of representative samples, the avoidance of some sites and conservation works.
- A Master Inventory of items found during archaeological investigations has been established and data entry is on-going.
- A Temporary Keeping Place has been established on the ML site for collected archaeological items.
- Meetings with Wiradjuri People have been carried out as follows: with the Cowal Project Coordinating Committee on 17 February 2004; and with the Employment ETBC on 19 October 2003 and 17 February 2004.

Flora and Fauna Management Plan

The Flora and Fauna Management Plan presents general management strategies to help conserve wildlife values within ML 1535 and around Lake Cowal including the design and construction of the mining lease fence, construction of the pipeline and night lighting. The Threatened Species Management Protocol and Vegetation Clearance Protocol were also prepared for implementation as required during the construction period. The following comments are provided in relation to the implementation of the Flora and Fauna Management Plan during the first 6 months of construction:

- Fauna Incident Notifications were provided to DEC on four occasions between July 2004 and January 2005.
- Some vegetation enhancement has been carried out outside of the ML and approximately 12,000 trees have been planted within the ML area along the boundary.
- Logs have been placed into the compensatory wetland area and in accordance with the Remnant Vegetation Enhancement Program (RVEP) and hollows and logs have also been stockpiled within the mine lease along the northern side of the tailings storage facility. No monitoring has been carried out in the RVEP areas at this early stage of project development.
- Initial rehabilitation has been carried out along the temporary and permanent bunds.
- The Vegetation Clearance Protocol has been triggered and the Vegetation Clearance Procedure has been instigated for the Temporary Isolation Bund, Northern Tailings Dam and Plant Site areas.
- During the implementation of the Vegetation Clearance Protocol, 24/25 June 2004, a number of Grey-crowned Babblers were observed on site. This is a threatened species under the NSW Threatened Species Conservation Act. In accordance with the Threatened Species Management Protocol (TSMP) the Threatened Species Management Strategy (TSMS) phase of the TSMP was initiated. Nest trees have been managed in accordance with the Vegetation Clearance Protocol and strategy is on-going.

Erosion and Sediment Control Management Plan

The Erosion and Sediment Control Management Plan presents, in general, measures that will be implemented for the project. Specific Erosion and Sediment Control 'sub'-Plans will be prepared for each construction activity or stage of the project detailing the specific controls that will be implemented. Several of these sub-plans have been prepared for the initial construction works (refer to MCoA 3.5 for specific comments). The following comments are provided in relation to erosion and sediment control during the first 6 months of construction:

- The continuous sediment/silt curtain has been constructed around the construction zone for the Temporary Isolation Bund. Temporary collection ponds have been constructed. No water is present in Lake Cowal so no boom is necessary at this point in time.
- Inspections of the ML boundary fence are carried out by Security staff.
- Installation of the silt fence for Up-catchment Diversion System has been completed.
- Infill testing of site soils is being carried out and recorded by URS who are managing initial earthwork activities with overview by Barrick personnel.

Soil Stripping Management Plan

The Soil Stripping Management Plan presents the proposed soil stripping activities for the project. Scheduling for soil stripping is to be provided in the Mining Operations Plan to be prepared in accordance with the Mining Lease requirements imposed by the DPI. The following comments are provided in relation soil stripping during the first 6 months of construction:

- Minor soil stripping was required for the relocation of the TSR and the public road, and these works were complete at the time of the audit.
- Soil stripping along the alignment of the temporary and permanent isolation bunds, process plant area, northern tailings storage facility, internal access road and the water storage facilities D1 to D6, has been completed. Soil stripping and stockpiling also occurred in the area of the Contractors Compound to the west of the proposed mine pit area, internal access road, northern tailings storage facility and water management structures with stockpiles established for reuse.
- The required topsoil stockpile database is being established and will become operational when permanent stockpiles are established.

Landscape Management Plan

The requirements of the Landscape Management Plan had been activated at the time of the audit with 12,000 trees planted at the perimeter of the ML and some visual mounds along the northern boundary of the lease area completed in accordance with the plan.

Bushfire Management Plan

The Bushfire Management Plan had been prepared and response to fires including assessment, control and cleanup, would be generally guided by the NSW Rural Fire Service. Response capability includes three fully equipped brigades in the region (Wamboyne, Clear Ridge and Blow Clear), and two 1000L fire tenders located at the Barrick Office/Drill-core Facilities. The Emergency Services Co-operation Agreement between Barrick and the NSW RFS is not yet in place.

Two staff personnel are members of local Rural Fire Service and are trained. Other employees in the Emergency Response Team have received training by the Rural Fire Service in fire fighting techniques.

A Fire Trail register for the ML area has been set up on the project computer network.

A Category 7 fire fighting unit has been obtained and is operational and there are also two (2) trailer mounted 1000L fire water tanks and fire hose units.

Land Management Plan

The land management strategies relating to pasture management, weed and pest control outlined in the Land Management Plan will be progressively implemented. Pasture management for the TSR, grazing and pasture areas on Barrick's holdings has already been implemented and remnant vegetation management on the mining lease area is planned as the development progresses. As annual weed inspections are planned and an inspection was carried out in December 2004 by AGnVet Services of West Wyalong.

Pest control activities have focused on control of locusts since 15 October 2004.

A person has been employed on a part-time basis with the intention to upgrade to full-time, to carry out pest control and to undertake the annual survey in the compensatory wetlands. This person will also establish the survey plots in the wetlands required under this Management Plan.

Compensatory Wetland Management Plan

The selection of the Compensatory Wetland Area has been made by Barrick in consultation with NPWS and livestock entry into the Area has been excluded by completion of fencing of the ML.

Monitoring of the three survey sites identified in the Compensatory Wetland Management Plan [i.e. the compensatory wetland site (CW); the remaining areas of wetland within ML1535 (RW) and wetland areas subject to grazing (site GW)] is planned to be carried out in 1st quarter 2005. No monitoring has occurred within the Temporary Isolation Bund area due to construction activities.

Site Water Management Plan

Aspects of this Management Plan will be activated in the near future now that initial construction activities have commenced.

Hazardous Waste and Chemical Management Plan

The hazardous waste and chemical management plan for the project has been prepared and the requirements of the plan have been implemented where relevant (e.g. banded fuel and lubricant storage). A Construction Emergency Response Plan has also been prepared and is operational.

Dust Management Plan

The Dust Management Plan presents the safeguards and control methods that are to be implemented during the construction works. These include use of water trucks to suppress dust during disturbance of surface soils, access roads to be watered and speed of vehicles on unsealed surfaces to be restricted, and soil stripping to be limited to areas required for the development of the mine activities.

Water trucks were observed to be in use on the site inspection conducted during the audit, vehicle speed signs were installed on the access roads to the work areas (20 kph) and soil stripping had only occurred in areas where the mine design required clearance for the current works.

Blast Management Plan

The Blast Management Plan has been prepared but no blasting has been carried out to date.

Noise Management Plan

The Noise Management Plan has been prepared in consultation with DEC and was approved by DIPNR in November 2004.

Traffic Noise Management Plan

The Traffic Noise Management Plan has been prepared and a baseline Traffic Noise Assessment was carried out by Richard Heggie Associates on 20 January 2004, as required in MCoA 6.4(c). It is planned to conduct traffic flows on the access road using traffic counters near the five residences situated within 30 metres of the road when the access road is completed.

The majority of project traffic was using the Clear Ridge Road to access the mine lease area at the time of the audit while the upgrade to Billy's Lookout Road was being undertaken by BSC. The main access road to the project has yet to be constructed along its length to allow project traffic to use the approved route.

4. OTHER STATUTORY REQUIREMENTS

In addition to the conditions of approval attached to the Minister's consent, MCoA 12 requires:

"The Applicant shall ensure that all statutory requirements including but not restricted to those set down by the Local Government Act 1993, Pollution Control Act 1970, Clean Air Act 1961, Clean Water Act 1970, Noise Control Act 1975, Protection of the Environment Administration Act 1991, Protection of the Environment Operations Act 1997, National Parks and Wildlife Act 1974, and all other relevant legislation, Regulations, Australian Standards, Codes, Guidelines and Notices, Conditions, Directions, Notices and Requirements issued pursuant to statutory powers by the BSC, EPA, DMR, DSC, NPWS, DLWC, RTA, NSW Agriculture, NSW Fisheries, and RAC, are fully met."

The following licences, permits etc have conditions of approval that have been assessed for compliance and implementation where relevant to the current status of the construction activities for the Cowal Gold Project.

4.1 Environment Protection Licence No. 11912

Barrick Australia received Environment Protection Licence (EPL) 11912 under section 55 of the Protection of the Environment Operations Act 1997 for the Cowal Gold Project on 23 December 2003.

Notices of Variation of the Licence dated 29 December 2003, 21 May 2004 and 24 September 2004 have been advised.

Review of compliance of the construction activities with the EPL conditions is summarised in the table attached in Appendix B.

The permanent groundwater monitoring piezometers in the areas of the process plant (i.e. points 26 and 27) are to be installed when the construction of the process plant is complete and the area of the piezometers will not be further disturbed. Monitoring will commence prior to any tailings being placed in the storage areas. The pit dewatering piezometers have been installed around the pit area as the surface works are complete. The monitoring of groundwater quality has been conducted in existing piezometers installed on the mine lease area to provide background data and many of these bores will be retained and monitored in addition to the EPL specified monitoring points.

Surface water sampling in Lake Cowal (i.e. points 14-18) and stormwater quality monitoring (points 12-13) have not been conducted as there is no water in Lake Cowal or surface runoff from the mine lease site to the lake.

The meteorological station has been installed west of the Mine Administration compound adjacent to the new TSR alignment and east of the southern tailings emplacement area. The meteorological station originally had a temperature measurement probe at 2m but there was no probe at 10m as required by condition M9.1. A temperature probe was installed at 10m following the first audit.

4.2 Mining Lease ML1535

Mining Lease No. 1535 was granted to Barrick Australia Limited under the Mining Act 1992 on 13 June 2003. The mining lease area is 2636 hectares. Barrick is the registered proprietor of the majority of the land on which the mining lease is located.

An Initial Mining Operations Plan was prepared by Barrick in March 2004 and submitted to the Director-General, outlining the sequence of construction activities, description of site facilities (including the lake protection bund and tailings storage facilities construction management procedures, environmental monitoring program and references to the Environmental Management Plans required by the Minister's Conditions of Approval on the Development Consent. The Mining Operations Plan for the Cowal Gold Project will be submitted to DPI (Minerals) for approval prior to commencement of pre-stripping of the mine.

Review of compliance of the construction activities with the Mining Lease conditions is summarised in the table attached in Appendix C.

4.3 Water Licences

Bore Licence Certificates under section 115 of the Water Act 1912 are held for all the groundwater bores associated with the Cowal Gold Project.

Refer to Appendix D for the complete list of Bore Licence Certificates as at 15 January 2005.

4.4 Part 3A Permits

Permits under Part 3A the Rivers and Foreshores Improvement Act 1948 have been obtained by Barrick for the construction activities:

Permit No. 703A010055 – for two proposed creek crossings related to the TSR new road; and Permit No. 703A010056 – for the installation of a water supply pipeline across Lake Cowal.

Both these stages of the project development have been completed and the construction activities complied with the requirements of the Permit conditions.

4.5 Development Applications and Construction Certificates

July 2004

Development Applications were submitted to the Bland Shire Council for construction of infrastructure and buildings at the Cowal Gold Project site. The required development consents and Construction Certificates were obtained for the mine administration buildings, contractor compound facilities and sewage management systems for the temporary facilities at the site.

January 2005

Construction Certificates have were issued on the 8 December 2004 for Stage 1 Foundations of the Reclaim Tunnel Structure, Sag Mill, Ball Mill, Flotation Area, Ring Beams for tanks including the diesel tank, Reagent Storage Tank Footing Slab Layout.

5. CONCLUSION

The independent environmental audit of the months 6 to 12 of the construction of the Cowal Gold Project was undertaken in January 2005 with the site inspection, document review and discussions with relevant project personnel conducted between the 17 and 21 January 2005. Additional information and verification was provided by Barrick personnel and other parties between 21 and 30 January 2005.

The documentation held by Barrick at the Cowal Gold Project site was provided to the auditors in an efficient manner and made the verification of compliance with the conditions of approval and other statutory approvals a straight forward exercise.

The documentation, reporting and activities at the Cowal Gold Project for the second six month period of construction demonstrate a high degree of compliance with the conditions attached to the development consent, licenses and approvals granted to Barrick for the project.

Glossary of Terms

AEMR	Annual Environmental Management Report
AR	Annual Return – EPA
Barrick	Barrick Australia Limited
BCA	Building Code of Australia
BL	Bore Licence (granted by DLWC)
BSC	Bland Shire Council
CEMCC	Community Environmental Monitoring and Consultative Committee
CGP	Cowal Gold Project
CN	Cyanide
CN _{WAD}	Cyanide weak acid dissociable
CPCC	Cowal Project Coordinating Committee
DA	Development Application
DEC	Department of Environment and Conservation (includes the former EPA and NPWS)
DIPNR	Department of Infrastructure, Planning and Natural Resources (includes former DoP and DLWC)
Director-General	Director-General of DIPNR
DLWC	Department of Land and Water Conservation (now part of DIPNR)
DMR	Department of Mineral Resources (now part of DPI)
DoP	Department of Planning
DPI	Department of Primary Industries (includes Mineral Resources)
DSC	Dam Safety Committee
EIS	Environmental Impact Statement – Cowal Gold Project 1998
EPA	Environment Protection Authority (now part of DEC)
EPL	Environment Protection Licence
ETBC	Employment Training and Business Committee
NPWS	National Parks and Wildlife Service (now part of DEC)
NTP	Native Title Party
RTA	Roads and Traffic Authority
SIS	Species Impact Statement
TSR	Travelling Stock Route
WAD	Weak acid dissociable
WCC	Wiradjuri Condobolin Corporation
WCC&HC	Wiradjuri Condobolin Culture and Heritage Company

APPENDICES

- Appendix A Minister’s Conditions of Approval (MCoA)**
- Appendix B Environment Protection Licence (EPL)**
- Appendix C Mining Lease Conditions (ML)**
- Appendix D Bore Licence Certificates**

APPENDIX A MINISTER'S CONDITIONS OF APPROVAL

Appendix A

Development Consent – Minister's Conditions of Approval (MCoA)

MCoA No.	Consent Condition	Audit Evidence	Compliance	Comments
1.	GENERAL			
1.1	<i>Adherence to terms of DA, EIS, SIS, etc.</i>			
	<p><u>Modification 4 August 2004</u></p> <p>The development is to be carried out generally in accordance with the EIS dated 13 March 1998, including the Statement of Intent by North Gold (WA) Ltd, and prepared by Resource Strategies, <u>as amended by the plans in Appendix 2 of this consent</u>, and all other relevant documentation, including the Applicant's primary submission, and submission in reply to the Commission of Inquiry, as may be modified by the conditions set out herein.</p>		Yes	The Cowal Gold Project is being developed in accordance with the EIS, Commission of Inquiry submissions, the Minister's Conditions of Approval (MCoA) <u>and Modifications to the Development Consent of the Environment Planning and Assessment Act 1979</u> .
1.2	Period of Approval/Project Commencement			
	(i) The development consent ends on the date which is 21 years from the date of the mining lease approval.	<ul style="list-style-type: none"> Letter from DMR Mining Application No. 45 – Cowal Gold Project, 18 June 2003 	Noted	The mining lease (ML 1535) approval was granted with conditions on 13 June 2003.
	(ii) At least one month prior to the commencement of construction, or within such period as agreed by the Director-General, the Applicant shall submit for the approval of the Director-General a compliance report detailing compliance with all the relevant conditions that apply prior to the commencement of construction.	<p>Development Consent Compliance Report 22 Dec 2003</p> <p>Supplement to Compliance Report, 7 April 2004</p> <ul style="list-style-type: none"> Letter from DIPNR re Pre-Construction Compliance Report 22 Dec 2003. 	Yes	<p>Pre-Construction Compliance Report submitted to DIPNR by Blake Dawson Waldron (BDW) lawyers acting for Barrick, and approved by the Director-General on 22 Dec 2003.</p> <p>A supplementary Compliance Report was submitted on 7 April 2004 related to transfer to the Crown for the new TSR of Lot 10 in DP1059150 occurred on 31 March 2004. Construction activities for the project commenced on 12 Jan 2004.</p>
	(iii) At least one month prior to commissioning of the ore processing plant, or within such period as agreed by the Director-General, the Applicant shall submit for the approval of the Director-General a compliance report detailing compliance with all the relevant conditions that apply prior to the commissioning of the ore processing plant.		N/A	The commissioning of the ore processing plant is planned for 4 th quarter 2005.

	(iv) Date of commencement of construction works and date of commissioning of the ore processing plant are to be notified in writing to the Director-General and BSC, at least two weeks prior to commencement of construction works and commissioning of the ore processing plant respectively.	<ul style="list-style-type: none"> Letter from BDW to Director-General re Notice of Commencement of Works, 24 Dec 2003 Letter from BDW to BSC re Notice of Commencement of Works, 24 Dec 2003 	Yes	The commencement of construction was notified to the Director-General and BSC on the 24 December 2003 and construction activities started on 12 January 2004. Notification of commissioning of the ore processing plant is planned to commence in 4 th quarter 2005
	(v) No mine construction activity is to occur until the relevant approvals under the Environmental Planning and Assessment Act 1979 have been obtained for the construction of the transmission line from Temora to the mine site and the mine access road upgrade. This condition does not require approval to be obtained under the Environmental Planning and Assessment Act 1979 in relation to any rail crossing before mine construction activities can commence.	<p>Approval under Section 115(B) in relation to the Temora to Cowal 132KV Transmission Line, 3 Aug 1999</p> <p>Bland Shire Council Decision Notification of Approval of Cowal Gold Project Access Road Upgrade, 21 April 1999</p>	Yes	<p>Approval under Part 5 of the EP&A Act of the Temora Transmission Line was granted to Great Southern Energy Aug 1999.</p> <p>A Part 5 Approval under the EPA Act for the mine access road approved on 21 April 1999.</p> <p>The Bland Shire Council (BSC) granted approval for the upgrade of the access road to the Cowal Gold Project: MR57 North West Wyalong/Wamboyno Road; Blow Clear/Lake Cowal Road; Lake Cowal/Wamboyno Road; and Public Road adjoining West Wyalong/Burcher Railway Line.</p>
	(vi) If construction works have not commenced within two years of this development consent, the Applicant shall provide an annual report on the status of the project and any major changes to the environmental conditions of the site. If required, the first report shall be provided to the Director-General on the second anniversary of the granting of this consent.	<ul style="list-style-type: none"> Letter from DIPNR re Application under Section 95B of the EP&A Act, 12 May 2004 	Noted	<p>Extension of the lapsing period was granted until December 2004.</p> <p>Construction works started in January 2004.</p>
1.3	Dispute Resolution			
	In the event that the Applicant and the BSC or a Government agency, other than the Department of Urban Affairs and Planning, cannot agree on the specification or requirements applicable under this consent, the matter shall be referred by either party to the Director-General or if not resolved, to the Minister for Urban Affairs and Planning, whose determination of the disagreement shall be final and binding on the parties.		N/A	
1.4	Security Deposits and Bonds			
	Security deposits and bonds will be paid as required by DMR under mining lease approval conditions.	Security Certificate No. 5034063002, Citigroup	Yes	A Security deposit of \$250,000 was lodged in June 2003 as part of the ML approval and the remaining \$11,750,000 as specified in the Mine Lease approval, was lodged by BDW for Barrick in March 2004.
2.	MINE MANAGEMENT			

2.1	Mine Management Plan, Operations and Methods			
	The Applicant shall submit to and have accepted by the DMR, a Mining Operations Plan in accordance with current guidelines issued by DMR, prior to commencement of mining. The Plan covers mining operations for a period of up to seven years.		Yes	An Initial Mining Operations Plan was prepared for the Cowal Gold Project in March 2004, as required by condition 25(9) of the Mining Lease No.1535 conditions. The Mining Operations Plan for the project will be prepared prior to commencement of mining.
2.2	Ore, Waste and Concentrate Production			
	The Applicant shall not transport ore or other excavated materials not required for either construction or maintenance works from other mines or locations to the mine site without the written approval of the relevant councils.		Noted	No ore or excavated materials from other mines or locations have been transported to the Cowal Gold Project site.
2.3	Mine and Public safety			
	The Applicant shall secure the mine site as described in section 2.10.5 of the EIS. The fence for the MLA boundary shall be designed to minimise the impact on water birds and aquatic species. (Refer also to condition 5.4(b) (ii)).		Yes	A 1.3m wire strand fence has been erected around the Mining Lease Area in accordance with the design requirement.
3.	LAND AND SITE ENVIRONMENTAL MANAGEMENT			
3.1	Appointment of Environmental Officer			
	(i) The Applicant shall employ an Environmental Officer to exclusively work for the Cowal gold mine and no other mine, whose qualifications are acceptable to the DMR who shall report to the Mine Manager. The Officer shall be employed throughout the life of the mine, and shall:	Letters to DMR, EPA, NPWS, DLWC, BSC and CEMCC re Appointment of Environmental Officer 24 Nov 2003 Letter from DMR Ref L03/0324 Acceptance of Environmental Officer, 27 Nov 2003 Job Description – Environmental Officer Cowal Gold Project	Yes	DIPNR, DMR, EPA, NPWS, DLWC and BSC were notified on 16 July 2003 of Mr Blaxland's appointment to the position of Environmental Officer. Mr Blaxland's qualifications were communicated to and agreed to by DMR. The duties and responsibilities outlined in the Job Description for the Environmental Officer address the requirements of MCoA 3.1
	(ii) The Applicant shall notify the Director-General, DMR, EPA, NPWS, DLWC, BSC and the CEMCC (refer condition 8.7) of the name and contact details of the Environmental Officer upon appointment and any changes to that appointment.		Noted N/A	
3.2	Environmental Management Plans			
	The Applicant shall prepare the following environmental management plans:	Refer to the relevant conditions re documentation verification/comment.		

	<ul style="list-style-type: none"> • Archaeology and cultural management plan (refer condition 3.3) • Fauna management plan (refer condition 3.4) • Erosion and sediment control plan (refer condition 3.5(a)) • Soil stripping management plan (refer condition 3.5(b)) • Landscape management plan (refer condition 3.8) • Bushfire management plan (refer condition 3.9) • Land management plan (refer condition 3.11(i)) • Compensatory wetland management plan (refer condition 3.11(v)) • Site water management plan (refer condition 4.1) • Cyanide management plan (refer condition 5.3(b)) • Hazardous waste and chemical management plan (refer condition 5.8) • Dust management plan (refer condition 6.1) • Blast management plan (refer condition 6.3) • Noise management plan (refer condition 6.4(b)) • Traffic Noise Management Plan (refer condition 6.4(c)) 		<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>N/A</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>	<p>Environmental management plans were prepared and approved prior to being put on display at Bland Shire Council Library within 2 weeks of their approval by the relevant government authorities:</p> <ul style="list-style-type: none"> • Heritage Management Plan • Indigenous Archaeology and Cultural Management Plan • Fauna Management Plan • Erosion and Sediment Control Management Plan • Soil Stripping Management Plan • Landscape Management Plan • Bushfire Management Plan • Land Management Plan • Compensatory Wetland Management Plan • Site Water Management Plan • Hazardous Waste and Chemical Management Plan • Dust Management Plan • Blast Management Plan • Traffic Noise Management Plan
	<p>The management plans are to be revised/updated at least every five years, or as otherwise directed by the Director-General, in consultation with the relevant government authorities. They will reflect changing environmental requirements or changes in technology/operational practices. Changes shall be made and approved in the same manner as the initial environmental management plan. The plans shall also be made publicly available at BSC within two weeks of approval of the relevant government authority.</p>	<p>Letter to DIPNR re amendments to Erosion and Sediment Control Plans and Soil Management Plan, 21 Dec 2004</p>	<p>Noted</p> <p>N/A</p>	
3.3	Heritage Assessment and Management			

	<p>(a) The Applicant shall prior to commencement of construction works:</p> <p>(i) prepare a Heritage Management Plan (HMP) to address non-indigenous cultural heritage issues. The HMP shall be prepared in consultation with Bland District Historical Society, BSC, and Lake landholders/residents, and to the satisfaction of the Director-General;</p>	<p>Heritage Management Plan Sept 2003</p> <ul style="list-style-type: none"> • Letter from BSC re European Heritage Management Plan, 5 Sep 2003 • Letter from DIPNR re Indigenous Archaeology and Cultural Heritage Management Plan, 11 Nov 2003 	<p>Yes</p>	<p>The Heritage Management Plan was prepared by Barrick and approved by the Director General on 25 September 2003. The Plan was placed on display at Bland Shire Council Library on 1 October 2003.</p>
	<p>(ii) prepare an Indigenous Archaeology and Cultural Management Plan (IACMP) to identify future salvage, excavation and monitoring of any archaeological sites within the DA area prior to and during development, and to address Aboriginal cultural heritage issues. The IACMP shall be prepared in consultation with NPWS, the Local Aboriginal Land Council, a consultant archaeologist, any other stakeholders identified by NPWS, and to the satisfaction of the Director-General; <u>and</u></p>	<p>Indigenous Archaeology and Cultural Management Plan, Oct 2003</p> <ul style="list-style-type: none"> • Letter from DIPNR re Indigenous Archaeology and Cultural Heritage Management Plan, 11 Nov 2003 	<p>Yes</p>	<p>The Indigenous Archaeology and Cultural Management Plan was prepared in consultation with the NPWS, Wiradjuri-Condobolin Cultural Heritage Company, and Colin Pardoe (consultant archaeologist) and approved by the Director General on 11 November 2003. The Plan was placed on display at Bland Shire Council Library on 20 November 2003.</p>
	<p>(iii) retain a Cultural Heritage Officer approved by the West Wyalong Local Aboriginal Land Council who is to be available on site during construction earthworks; and</p> <p>Modification 4 August 2004</p>	<ul style="list-style-type: none"> • Letter from Barrick – Letter of Appointment – Professional Services from Wiradjuri Condobolin Corporation, 6 Nov 2003 	<p>Yes</p>	<p>Barrick entered an agreement with the Wiradjuri Condobolin Corporation for the provision of cultural heritage officer(s) during construction earthworks. The agreement has been approved by the West Wyalong Aboriginal Land Council.</p>
<p>3.3</p>	<p><u>The Applicant shall, prior to the commencement of construction works in a particular part of the DA area, submit to and have approved by the Director-General of NPWS, a Consent to Destroy application under Section 90 of the National Parks and Wildlife Act 1974 in relation to that particular part of the DA area for Aboriginal archaeological sites that have been identified to be damaged or destroyed as a result of the development prior to consent and/or by the IACMP.</u></p> <p>(iv) submit to and have approved by the Director-General of NPWS, a Consent to Destroy application under section 90 of the National Parks and Wildlife Act 1974 for Aboriginal archaeological sites that have been identified to be damaged or destroyed as a result of the development prior to consent and/or by the IACMP.</p> <p>Modification 4 August 2004</p> <p><u>Condition 3.3(a)(iv) to be deleted.</u></p>		<p>Yes</p>	<p>Section 87 Permit 1361 applied to Lot 23 and 24 and Game Reserve – authorised archaeological works, but not destruction of aboriginal objects.</p> <p>Section 87 Permit 1468 applies to the whole mining lease area, plus the water pipeline route and borefield – authorises archaeological works but not destruction of aboriginal objects.</p> <p>Section 90 Consent 1467 applies to the whole mining lease area, plus the water pipeline route and borefield – authorises destruction of Aboriginal objects after the archaeological works required by Permit 1468 have been carried out and certified.</p> <p>Section 87 Permit 1681 applies to the relocated TSR and access road upgrade – authorises archaeological works but not the destruction of Aboriginal objects (see Consent 90).</p> <p>Section 90 Consent 1680 applies to the relocated TSR and access road upgrade – authorises destruction of Aboriginal objects, after the archaeological works required</p>

				by Permit 1681 have been carried out and certified.
3.4	<i>Flora and Fauna Assessment and Management</i>			
	(a) The Applicant shall prior to commencement of construction prepare a fauna management plan to cover the mining lease area and monitoring of bird breeding areas as identified by the Applicant in consultation with NPWS. The plan shall be prepared in consultation with NPWS, NSW Fisheries and EPA, and be to the satisfaction of the Director-General. The plan shall include, but not be limited to:	<p>Flora and Fauna Management Plan, Oct 2003</p> <p>Letter from NPWS re Draft Flora and Fauna Management Plan, 10 Oct 2003</p> <p>Letter from DMR Ref L03/0324 re Draft Flora and Fauna Management Plan 14 Oct 2003</p> <p>Letter from EPA re Draft Flora and Fauna Management Plan 21 Oct 2003</p> <p>Letter from NSW Fisheries re Flora and Fauna Management Plan, 22 Oct 2003</p> <p>Letter from NPWS re Access Road Upgrade Implementation of the Threatened Species Management Protocol, 5 Nov 2003</p> <p>Letter from BSC re Flora and Fauna Management Plan, 13 Nov 2003</p> <p>Letter from DIPNR re Flora and Fauna Management Plan 13 Nov 2003</p>	Yes	<p><u>July 2004</u></p> <p>The Flora and Fauna Management Plan was prepared by Barrick and approved by the Director General on 30 October 2003. The Plan was placed on display at Bland Shire Council Library on 13 November 2003.</p>
	(i) methods for monitoring daily and seasonal fauna usage of tailings dams (eg. species, number, location, habits), and whether deaths or other effects or incidents are occurring. Usage of the tailings dams shall be reported to the EPA and NPWS on a six monthly basis, unless otherwise directed by the Director-General;	Flora and Fauna Management Plan Section 4	N/A	

<p>(ii) development of a protocol for the reporting of any deaths or other incidents involving native fauna on the mining lease to the DMR, EPA, and NPWS, and in the case of fish, NSW Fisheries, within 24 hours (or next working day), and to the CEMCC (refer condition 8.7) as soon as practicable. The Applicant shall maintain a record of any wildlife deaths or other incidents and this record shall be provided in the AEMR (refer condition 9.2);</p>	<p>Flora and Fauna Management Plan Section 6.1 and 6.2</p> <p>Letter to DEC/NPWS/DPI re Grey-crowned Babbler chicks – western section of Old Game Reserve, 6 Aug 2004</p> <p>Letter to DEC/NPWS/DPI re Magpie chicks – borrow pit site, 13 Oct 2004</p> <p>Letter to DIPNR re Fauna Incident Report – Tiger Snake, 19 Oct 2004</p> <p>Letter to DIPNR re Fauna Incident Report – Lizard, 19 Oct 2004</p> <p>Letter to DEC/NPWS/DPI re Tiger Snake – haul road area, 22 Oct 2004</p> <p>Letter to DEC/NPWS/DPI re Grey-crowned Babbler chick – southern Tailings Storage Facility area, 23 Oct 2004</p>	<p>Yes</p>	<p>July 2004</p> <p>No native fauna deaths were reported to have occurred on the ML as a result of project activities to the time of this audit.</p> <p>January 2005</p> <p>Fauna Incident Notifications were provided to DEC on four occasions between July 2004 and January 2005.</p>
<p>(iii) provision for fauna autopsy facilities to enable the cause of any deaths to be quickly determined. The protocol required in sub clause (ii) above shall also detail collection and autopsy of fauna. This shall include but not be limited to collection and recording procedures, autopsy procedures and laboratory tests.</p>	<p>Flora and Fauna Management Plan Section 6.3</p>	<p>Yes</p>	<p>January 2005</p> <p>Subject fauna are transported to West Wyalong Veterinary Clinic for examination. An autopsy report has been prepared for each specimen submitted to the Clinic.</p>
<p>(iv) provision of contingency measures for reducing cyanide levels in the tailings dams in the event it is established that fauna deaths are occurring from cyanide in tailings dam water (refer also condition 5.3(c));</p>	<p>Flora and Fauna Management Plan Section 8</p>	<p>N/A</p>	


<p>(v) development of effective mechanisms to keep fauna and avifauna away from the tailings storages, which shall include, but not be limited to:</p> <ul style="list-style-type: none"> - minimising area of open water in the tailings dams; - fencing to prevent both medium and large fauna, terrestrial and amphibians, from entering the area. Mesh will have holes no greater than 5cm in diameter; - making the area non conducive to the establishment of wildlife habitats, as far as possible; - use of netting where practical; and - use of current best practice for avifauna deterrence; 	<p>Report on the Interaction of Fauna with the Tailings Storage Facilities - Cowal Gold Project, Donato Environmental Services, June 2004. Flora and Fauna Management Plan Section 3</p>	<p>N/A</p>	<p>July 2004 Preliminary report on the implementation of the program to keep fauna away from the tailings dam and record fauna usage of the tailings dams through observation and monitoring. January 2005 The Report on Interaction of Fauna with the Tailings Storage Facilities was accepted by the DEC. Barrick are preparing an Implementation Plan for the practices, monitoring and actions identified in the report.</p>
<p>(vi) development of plans for the rescue and rehabilitation of wildlife that may become bogged/sick/trapped in the tailings dams or elsewhere within the mining lease area;</p>	<p>Flora and Fauna Management Plan Section 5</p>	<p>N/A</p>	
<p>(vii) methods to conserve and enhance wildlife values around Lake Cowal, within the mine lease area, including protection and enhancement of existing retained habitats;</p>	<p>Flora and Fauna Management Plan Section 9</p>	<p>Yes</p>	<p>July 2004 Some vegetation enhancement has been carried out outside of the ML but no action has yet been implemented within the lease area. No rocks and/or logs have been dispersed within Remnant Vegetation Enhancement Program (RVEP) areas to date, but hollows and logs have been stockpiled from the initial cleared sites for use- January 2005 12,000 trees have been planted within the ML boundary. Some cleared trees have been placed on the northern side of the ML as part of the habitat enhancement. Some have also been placed within the compensatory wetland area.</p>
<p>(viii) provision to continue fauna and flora, fish, and aquatic invertebrate monitoring of the Lake Cowal region as documented in the EIS and SIS including investigation of fauna deaths off the Mine Site if requested by the Director-General where it is considered the deaths are attributable to activities on the Mine Site;</p>	<p>Surface, Groundwater, Meteorological and Biological Monitoring Program</p>	<p>Yes</p>	



	(ix) details to relocate any threatened species and/or its habitat away from disturbed areas that are created by mine operations. This will include placement and maintenance of suitable types and numbers of artificial roosting boxes for bats such as the Greater Long-eared Bat and other animals (eg birds/possums) in undisturbed areas of the mine site;	Flora and Fauna Management Plan Section 10	Yes	
	(x) details of monitoring the mine's impacts particularly on birdlife in bird breeding areas identified by the Applicant in consultation with NPWS, threatened fauna and flora, and fish and aquatic invertebrates around Lake Cowal, and outline contingency measures should impacts be identified as occurring.	Flora and Fauna Management Plan Section 11	Yes	
	(b) The Applicant shall also implement a Threatened Species Management Protocol as outlined in Appendix 9 of the Department of Urban Affairs and Planning's primary submission to the Commission of Inquiry, which will include provisions for targeted searches prior to construction and proposed mitigation measures where threatened flora or fauna species are found.	Threatened Species Management Protocol Appendix A Flora and Fauna Management Plan October 2003 Letter from NPWS re Draft Threatened Species Management Protocol, 17 Oct 2003 Letter from DIPNR re Protocol, 30 Oct 2003	Yes	A Threatened Species Management Protocol was prepared by Barrick and approved by the Director General on 30 October 2003. During the implementation of the Vegetation Clearance Protocol, 24/25 June 2004, a number of Grey-crowned Babblers were observed on site. This is a threatened species under the NSW <i>Threatened Species Conservation Act</i> . In accordance with the Threatened Species Management Protocol (TSMP) the Threatened Species Management Strategy (TSMS) phase of the TSMP was initiated.
3.5	<i>Prevention of Soil Erosion</i>			
	The Applicant shall prepare prior to commencement of construction works, in consultation with DLWC and EPA and to the satisfaction of the Director-General:			

<p>(a) an erosion and sediment control management plan for the DA area which meets the requirements of EPA and DLWC. The plan shall include, but not be limited to:</p>	<p>Erosion and Sediment Control Management Plan Sep 2003</p> <ul style="list-style-type: none"> • Letter from EPA re Draft Erosion and Sediment Control Management Plan 25 Sep 2003 • Letter from DMR re Draft Erosion and Sediment Control Management Plan 14 Sep 2003 • Letter from DMR re Draft Erosion and Sediment Control Management Plan 1 Oct 2003 • Letter from BSC re Draft Erosion and Sediment Control Management Plan, 1 Oct 2003 • Letter from EPA re Erosion and Sediment Control Management Plan, 20 Apr 2004 • Letter from DMR re Draft Erosion and Sediment Control Management Plan 29 April 2004 	<p>Yes</p>	<p>The Erosion and Sediment Control Management Plan for the DA area was prepared by Barrick and approved by the Director General on 1 October 2003.</p> <p>Specific Erosion and Sediment Control Management Plans are prepared for each stage of the construction works and submitted to EPA and DLWC for approval prior to commencement of that stage of the works.</p> <p>Erosion and sediment control plans have been prepared and approved for the following areas:</p> <ul style="list-style-type: none"> • Travelling Stock Reserve Road Construction, Gilbert & Associates, 18 December 2003 • Water Supply Pipeline, 20 April 2004 • Preliminary Earthworks for Mine Development Works (Isolation Bunds, Northern Tailings Storage Facility, Soil Stockpiles, External Drainage System, Internal Drainage, Mine Access Road, Tailings Service Corridor), URS, 23 April 2004 • Pit Dewatering Works (Dewatering Bores for Open Pit), URS, 23 April 2004 • Contained Water Storage Facilities, URS 10 June 2004
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	<p>(i) details of temporary and permanent sediment and erosion control systems to be used during both mine construction and operation, including for earthworks associated with landscaping;</p> <p>(ii) details of salinity management; and</p> <p>(iii) a program for reporting on the effectiveness of the sediment and erosion control systems and performance against objectives contained in the approved erosion and sediment control management plan, and EIS;</p>	<p>Erosion and Sediment Control Management Plan Sections 3, 4 and 5</p> <p>Erosion and Sediment Control Management Plan Section 6</p> <p>Erosion and Sediment Control Management Plan Section 11</p>	<p>Yes</p>	<p>July 2004</p> <p>The silt curtain around the construction area for the temporary isolation bund has been installed in accordance with the Erosion and Sediment Control Plan. The installation of a boom on the lake side of the temporary isolation bund has not been installed as there is no water in Lake Cowal at the time of the audit.</p> <p>Regular inspections of the mining lease boundary fences and sediment controls are conducted by Security personnel.</p>

	(b) a soil stripping management plan for the DA area to the requirements of DMR and DLWC which shall include, but not be limited to:	Soil Stripping Management Plan Aug 2003 Erosion ands Sediment Control Management Plan Section 7.1 <ul style="list-style-type: none"> • Letter from DMR re Draft Soil Stripping Management Plan 25 July 2003 • Letter from EPA re Draft Soil Stripping Management Plan 28 July 2003 • Letter from BSC re Draft Soil Stripping Management Plan, 6 Aug 2003 	Yes	The Soil Stripping Management Plan for the DA area was prepared by Barrick and approved by the Director General on 1 August 2003. The Plan was placed on display at Bland Shire Council Library on 6 August 2003.
	(i) details of the management of soil stockpiles, soil stripping techniques and scheduling; and (ii) a program for reporting on the effectiveness of the soil stripping methods and performance against objectives contained in the soil stripping management plan, and EIS.	Erosion ands Sediment Control Management Plan Section 7 Erosion ands Sediment Control Management Plan Section 11 Initial Mining Operations Plan – Cowal Gold Project, March 2004	Yes In progress	The required topsoil stockpile database is being established and will become operational when permanent stockpiles are established. To date there have been only temporary stockpiles required as the stripped material is being used in construction of the Temporary Isolation Bund. Infill testing of site soils is being carried out and recorded by URS who are managing initial earthwork activities with overview by Barrick personnel.
3.6	Site Rehabilitation Management			
	The Applicant shall carry out rehabilitation of all mine areas in accordance with the requirements of the Mining Operations Plan of the DMR (refer condition 2.1), and EIS, particularly Section 5.	EIS Section 5 Initial Mining Operations Plan, March 2004	Noted N/A	
3.7	Visual Amenity and Landscaping			
	The Applicant shall prior to commencement of construction works prepare and submit for the approval of BSC a detailed landscape management plan prepared by a suitably qualified person. The plan shall include, but not be limited to:	Landscape Management Plan, Aug 2003 <ul style="list-style-type: none"> • Letter form DMR re Draft Landscape Management Plan 19 Aug 2003 • Letter from BSC re Draft Landscape Management Plan 26 Aug 2003 	Yes	A landscape management plan was prepared and approved by DMR and BSC in August 2003. The Plan was placed on display at Bland Shire Council Library on 4 September 2003.

		<ul style="list-style-type: none"> Letter from BSC re Landscape Management Plan, 1 Sep 2003 		
	(i) provision for the establishment of trees and shrubs on areas identified as necessary by BSC for the maintenance of satisfactory visual amenity from outside the mine site. Such landscaping shall have regard for reducing impacts of night lighting on wildlife and nearby residences;	Landscape Management Plan Section 4	N/A	
	(ii) details of the visual appearance of all buildings, structures, facilities or works (including paint colours and specifications). Buildings and structures shall be designed and constructed so as to blend as far as possible with the surrounding landscape; and	Landscape Management Plan Section 5	Yes	
	(iii) details, specifications and staged work programs to be undertaken, maintenance of all landscape works and maintenance of building materials and cladding.	Landscape Management Plan Section 5	N/A	
3.8	Bushfire and other Fire Controls			
	The Applicant shall: (a) prior to commencement of construction works prepare and submit for the approval of BSC, a bushfire management plan as outlined in section 6.4.4 of the EIS; and	Bushfire Management Plan, Aug 2003 <ul style="list-style-type: none"> Letter from DMR Ref L03/0324 re Draft Bushfire Management Plan 28 July 2003 Letter from BSC re Draft Bushfire Management Plan, 5 Aug 2003 	Yes	July 2004 A bushfire management plan was prepared and the plan approved by DMR and BSC on 24 July 2003. The Plan placed on display at Bland Shire Council Library on 5 August 2003.
	(b) provide adequate fire protection works on-site. This shall include one (1) emergency fire fighting unit on site. (Refer also condition 5.4(a)(i)).	 <p>Plate 1: Two Emergency fire fighting units at CGP administration area July 2004</p>	Yes	July 2004 There are two emergency fire tenders of approximately 1000 L each on site located at the temporary administration area. Two staff personnel are members of local Rural Fire Service and are trained. Other employees in the fire response unit will be trained as time and the increasing workforce allow. The Emergency Services Co-operation Agreement is not yet in place. The Fire Trail register has been set up and is on the computer network. January 2005 A Category 7 fire tender has been commissioned and is on site.

		 <p>Plate 2: CGP Fire Tender January 2005</p>		<p>The Emergency Response Team has received training by the Rural Fire Service in fire fighting techniques.</p>
<p>3.9</p>	<p>Other Land Covenants and Agreements</p>			
	<p>(a) <u>Relocation of Game Reserve</u> The Applicant shall prior to the commencement of construction works relocate the existing game reserve in consultation with BSC, DLWC, NPWS, NSW Fisheries, and lake residents and users as identified by BSC. Where public access arrangements are to be provided they shall be completed no later than the time of the reserve's relocation, to the requirements of BSC and DLWC. The total size of the new reserve(s) shall be no smaller than the existing reserve.</p>		<p>Yes</p>	<p>July 2004 Barrick has relocated a reserve external to the mining lease for "public access" and "environmental protection" on 7 November 2003. The reserve maintains public access to the lake and has an area of 123.4ha. The "Game Reserve" status of the Crown land within ML 1535 was revoked on 19 December 2003.</p>
	<p>(b) <u>Relocation of Travelling Stock Route</u> The Applicant shall, prior to the commencement of construction works on the Travelling Stock Route (TSR), relocate the TSR in accordance with the EIS and the requirements of BSC, Department of Infrastructure, Planning and Natural Resources (DIPNR) and the Condobolin Rural Lands Protection Board, and should include appropriate fencing and stock watering facilities.</p>	<p>Letter from BDW re TSR 7 April 2004 Part 3A Permit No. 703A01055 under the Rivers and Foreshores Improvement Act 1948</p>  <p>Plate 3 – new TSR alignment established in 2004</p>	<p>Yes</p>	<p>July 2004 Barrick obtained the requirements of BSC, DIPNR and the Condobolin Rural Lands Protection Board for the relocation of the TSR. The new road and TSR works were completed in the 1st quarter 2004, and Barrick transferred the land for the new TSR to the Crown as Lot 100 DP 1059150. This satisfies the requirement of condition 3.9(b) and closes the issue of dedication of the land for the TSR to the Crown, as reported in the Pre-Construction Compliance Report 22 December 2003.</p>




	(c) The Applicant is to ensure that all applications for road closures are finalised prior to the commencement of construction works on the land comprising the existing public roads which are to be closed. This will include the relocation of the public roads in use prior to commencement of construction works on the land comprising the existing public roads which are to be closed.	<ul style="list-style-type: none"> Letter to BSC from Barrick re Closure of Council Roads, undated. Orange Office - Notification of Closing of a Road, NSW Government Gazette, 16 April 2004 	Yes	<p>July 2004</p> <p>Barrick requested BSC to proceed with the lodgement of road closure application with the Department of Lands for the closure of Road 1 (a public road within TSR17085 parallel to the western shore of Lake Cowal) and Road 2 (an unformed public road adjacent to the northern boundary of Portion 44.</p> <p>The road closures were gazetted in April 2004.</p>
3.10	Land Management			
	<p>The Applicant shall:</p> <p>(A) (i) prior to commencement of construction works prepare a Land Management Plan for all its land holdings to provide for proper land management in consultation with DLWC, NSW Agriculture, and BSC, and to the satisfaction of the Director-General . The plan shall be consistent with the fauna management plan (condition 3.4) and shall include, but not be limited to:</p> <p>(a) pastures and remnant vegetation management;</p> <p>(b) control of vermin and noxious weeds as required by the Rural Lands Protection Authority, the Prickly Pear Authority and other relevant authorities;</p> <p>(c) integration of the latest versions of the Jemalong Land and Water Management Plan and the Lake Cowal Land and Water Management Plan; and</p> <p>(d) feral animal control.</p>	<p>Land Management Plan Oct 2003</p> <ul style="list-style-type: none"> Letter from DMR re Draft Land Management Plan 10 Oct/03 Letter from BSC re Draft Land Management Plan, 24 Oct/03 Letter from NSW Agriculture re Weed Management Plan, 17 Oct 2003 <p>Land Management Plan Sections 4 and 5</p> <p>Land Management Plan Sections 6 and 7</p> <p>Land Management Plan 2003</p> <p>Land management Plan 2003 Section 7</p>	Yes	<p>July 2004</p> <p>A Land Management Plan was prepared by Barrick, approved by the Director General in October 2003 and placed on display at Bland Shire Council on 5 November 2003.</p>
	<p>(ii) prior to commencement of construction works prepare a Compensatory Wetland Management Plan. in consultation with NPWS, NSW Fisheries, DLWC, Lake Cowal Landowners Association, and Lake Cowal Environmental Trust, and to the satisfaction of the Director-General . The plan shall detail compensation measures for the loss of 120 hectares of wetland, through the enhancement of at least the equivalent area of existing wetland within the mine lease area during operation and following closure of the mine. The plan shall include, but not be limited to:</p> <p>(a) a definition of wetland which shall be all land up to the high water mark of Lake Cowal recognising that river red gum habitat</p>	<p>Compensatory Wetland Management Plan Oct 2003</p> <ul style="list-style-type: none"> Letter from NPWS re Draft Compensatory Wetland Area Management Plan, 27 Aug 2003 Letter from BSC re Compensatory Wetland Management Plan, 1 Oct 2003 <p>Compensatory Wetland Management Plan Section 4</p> <p>Compensatory Wetland</p>	Yes	<p>July 2004</p> <p>A Compensatory Wetland Management Plan was and approved by the Director General on 25 September 2003 and placed on display at Bland Shire Council on 1 October 2003.</p>

	<p>is below high water mark;</p> <p>(b) measures to manage the enhanced wetlands without adversely impacting adjoining private properties; and</p> <p>(c) measures to improve habitats for wildlife including waterbirds, fish, aquatic organisms etc, in the wetlands covered by the plan.</p>	<p>Management Plan Section 7</p> <p>Compensatory Wetland Management Plan Section 6</p>		
	<p>(B) minimise the removal of trees and other vegetation from the mine site and restrict any clearance to the areas occupied by the mine activity, buildings and paved surfaces, and those areas necessary for fire control in accordance with BSC's requirements, and have regard to the draft Mid-Lachlan Regional Vegetation Management Plan (or its final version);</p>	<p>Flora and Fauna Management Plan Section 9.7</p>	<p>Yes</p>	<p>July 2004</p> <p>A small number of trees have been removed for the initial stages of construction.</p> <p>January 2005</p> <p>The Vegetation Clearance Protocol has been triggered and the Vegetation Clearance Procedure has been instigated in the Temporary and Permanent Isolation Bunds, Northern Tailings Dam, Internal Access Road and Plant Site areas.</p>
	<p>(C) not locate topsoil stockpiles within any area of Wilga Woodland in the DA area as identified in figure 3-13 of the EIS;</p>		<p>Noted</p>	
	<p>(D) not disturb any area of Belah Woodland in the DA area as identified in figure 3-13 of the EIS.</p>		<p>Noted</p>	
	<p>(E) develop a strategy for the long term land use of the DA area on decommissioning of the mine site. The strategy shall include, but not be limited to: appropriate land uses within the DA area, which may include areas for conservation, agriculture or recreation, long term management of the area, environmental impacts of any uses and maintenance of necessary drainage characteristics and other features provided on the site. The strategy for long term land use of the DA area shall be submitted by Year 7 of mining operations or five years before mine closure, whichever is the sooner, in consultation with DLWC, EPA, NPWS, BSC, CEMCC, and to the satisfaction of the Director-General.</p>	<p>Land Management Plan Section 9.2</p> <p>Land Management Section 9</p>	<p>N/A</p>	
4.	WATER MANAGEMENT			
4.1	Surface Water Management & Ground Water Management			
/4.2				

<p>The Applicant shall:</p> <p>(a) prior to the commencement of construction works shall prepare a site water management plan in consultation with DLWC and EPA, and to the satisfaction of the Director-General, which shall include, but not be limited to, the following matters:</p>	<p>Site Water Management Plan Oct 2003</p> <ul style="list-style-type: none"> • Letter from DMR re Draft Site Water Management Plan 24 Sep 2003 • Letter from EPA re Draft Site Water Management Plan 27 Sep 2003 • Letter from DIPNR re Site Water Management Plan 30 October 2003 • Letter from BSC re Site Water Management Plan, 4 Nov 2003 	<p style="text-align: center;">Yes</p>	<p>July 2004</p> <p>A Site Water Management Plan was prepared, approved by the Director General in October 2003 and placed on display at Bland Shire Council on 4 November 2003.</p>
<p>(i) management of the quality and quantity of surface and ground water within and around the mine site, including water in the up catchment diversion system, internal catchment drainage system, dewatering bores, Bland Creek Palaeochannel borefield and water supply pipeline from the borefield, which shall include preparation of monitoring programs as provided by condition 8.2.;</p>	<p>Site Water Management Plan Section 4</p>	<p style="text-align: center;">Yes</p>	<p>July 2004</p> <p>Construction of the Up-Catchment Diversion System was about to commence at the time of the audit. The water supply pipeline had been laid across Lake Cowal and the pipeline from the eastern edge of the lake to the borefield was being constructed. The production bores in the Bland Creek Palaeochannel had been established and registered with DLWC.</p> <p>January 2005</p> <p>The internal drainage system, Up-Catchment Diversion System, and settlement ponds have been constructed in accordance with the Site Water Management Plan.</p>
<p>(ii) measures to prevent the quality of water in Lake Cowal or any surface waters being degraded below the relevant ANZECC water quality classification prior to construction due to the construction and/ or operation of the mine;</p>	<p>Site Water Management Plan Section 5</p>	<p style="text-align: center;">Yes</p>	
<p>(iii) identification of any possible adverse effects on water supply sources of surrounding land holders, and land holders near the Bland Creek Palaeochannel Borefield as a result of the mining operations, and implementation of mitigation measures as necessary;</p>	<p>Site Water Management Plan Section 6</p>	<p style="text-align: center;">Yes</p>	
<p>(iv) identification of changes in flood regime on productive agricultural land in Nerang Cowal as a result of the mine perimeter bund intruding into Lake Cowal, and provision of appropriate compensation measures for affected landholders based on inundation of productive land caused by the changed</p>	<p>Site Water Management plan Section 7</p>	<p style="text-align: center;">Yes</p>	

flood regime;			
(v) construction and operation of water storages D1 and D4 as first flush systems with initial captured run-off waters from the outer batters of northern and southern emplacement dumps reporting to water storage D6;	Preliminary Earthworks for Mine Development Works (Isolation Bunds, Northern Tailings Storage Facility, Tailings Service Corridor), URS, 23 April 2004 Contained Water Storage Facilities, URS 10 June 2004	Yes In progress	July 2004 Construction of the D1 and D4 water storages had commenced during the site inspection associated with this audit. January 2005 Construction of the D1 and D4 water storages has been completed.
(vi) measures to manage and dispose of water that may be captured behind the temporary perimeter bund during construction of that bund;	Site Water Management Plan Section 9	N/A	July 2004 Construction of the D1 and D4 water storages had commenced during the site inspection associated with this audit, but no water had been collected due to the dry season and lack of rain. January 2005 Construction of the D1 and D4 water storages was complete, but no water had been collected due to lack of rain.
(vii) integration of the latest versions of the Jemalong Land and Water Management Plan and the Lake Cowal Land and Water Management Plan;	Site Water Management Plan Section 10	Noted	
(viii) measures to continue baseline monitoring undertaken prior to development consent;	Surface, Groundwater, Meteorological and Biological Monitoring Program, Section 4.2 and 5.2	Yes	Monitoring of groundwater, dust and meteorological conditions is being conducted to provide baseline data. Surface water monitoring of Lake Cowal will be implemented when the lake receives water inflow.
(ix) a program for reporting on the effectiveness of the water management systems and performance against objectives contained in the approved site water management plan, and EIS.	Site Water Management Plan Section 12	Yes	Monitoring of the site water management programs will occur when there is surface water runoff and/or collection of runoff in the water retention ponds/system.


	(b) develop a strategy for the decommissioning of water management structures, including water storages both in and around the mine site, the water pipeline from the Bland Creek Palaeochannel borefield (refer condition 4.4), and long term management of final void and Lake protection bund. The strategy shall include, but not be limited to, long term monitoring of the water quality in the final void and stability of Lake protection bund and void walls, and options for alternate uses of the water pipeline. The strategy for the final void shall be submitted by Year 7 of mining operations or five years before mine closure, whichever is the sooner, in consultation with DLWC, EPA, DMR, and CEMCC, and to the satisfaction of the Director-General.	Site Water Management Plan Section 11	Yes but N/A	
	(c) (i) construct the Lake protection bund and site water and tailings storages to the requirements of DLWC, EPA and DSC; (ii) provide a geotechnical report on pit/void wall construction/stability to DMR prior to commencement of mining operations and construct pit/void in accordance with the requirements of DMR;	Site Water Management Plan Section 4.1	Yes Noted	
4.3	Catchment Areas and Watercourses			
	The Applicant shall as a landowner have on-going regard for the provisions of the latest versions of the Jemalong Land and Water Management Plan, Lake Cowal Land and Water Management Plan, Mid-Lachlan Regional Vegetation Management Plan, and any future catchment/land & water management plans that may become relevant to the area.	Site Water Management Plan Section 10	Noted	
4.4	Water Supply - Bland Creek Palaeochannel water supply			
	(a) The maximum daily extraction of water from the Bland Creek Palaeochannel shall not exceed 15ML/day, and not exceed 3650ML/year. A total extraction of 30,000ML shall not be exceeded for the life of the mine, unless otherwise agreed by the Director-General, in consultation with DLWC. All bores from the Bland Creek Palaeochannel borefield used for mine purposes must be metered.	Bore Licence Certificates No. 70BL229248, 70BL229249, 70BL229250, and 70BL229251 (production bores)	N/A	Barrick have Bore License Certificates under Section 115 of the Water Act 1912 for water supply from the Bland Creek Palaeochannel.
	(b) The water pipeline from the Bland Creek Palaeochannel borefield to the mine site shall be: (i) constructed in accordance with the requirements of DLWC, and in consultation with NSW Fisheries; and (ii) laid in such a way so as not to impede the passage of fish	Permit under Part 3A of the Rivers and Foreshores Improvement Act 1948 No. 703A010056.	Yes	July 2004 The pipeline construction across lake Cowal has involved the burial of the pipe 1.5 metres below the surface and refilling of the trench with the original excavated material and compacted to the original ground level.

<p>or other animals, or interfere with flood behaviour or the passage of boats and vehicles.</p>	 <p>Plate 4: Pipeline construction to the east of the lake above the flood levels July 2004.</p>  <p>Plate 5: Pipeline construction across Lake Cowal July 2004</p>  <p>Plate 6: Pipeline route January 2005 following trench rehabilitation</p>		<p>The pipeline was being constructed similarly along the alignment to the east of the lake towards the production bores.</p> <p>January 2005 The pipeline trench had been backfilled and an access track along the route had been established to inspect the trench and pipeline and for access to the groundwater monitoring bores across the lake.</p>
<p>(c) The water supply shall be installed with an automatic shut down device so water pumping is immediately stopped in the event of</p>		<p>Noted</p>	

	any pipe rupture. The water supply shall not be restarted until the rupture is located and repaired.			
	(d) Leases or private agreements shall be completed with the relevant landholders for the land requirement for pipeline infrastructure prior to commencement of water pipeline construction.	<ul style="list-style-type: none"> Part 3A Permit Application 24 March 2004 Enclosure Permit No. 353669, DLWC Deed of Agreement for Pipeline Easement, 19 June 2003 	Yes	July 2004 Easement Agreements were provided for land for which Barrick was not the Registered Proprietor: Lot 18, DP753097 Lots 44, 45, 46 and 47, DP42918 TSR84719 public roads vested in Forbes Shire Council
4.5	Disposal of Excess Water			
	There shall be no disposal of water from the internal catchment drainage system to Lake Cowal under any circumstances.		Noted	January 2005 The Site Water Management Plan and water management systems collect all water from the mine operations area and direct it to holding ponds for reuse on the site or treatment for use in the plant and mine operations.
5	HAZARDOUS MATERIALS AND TAILINGS MANAGEMENT			
5.1	Waste Rock Emplacement and Management			
	The Applicant shall construct and manage the waste rock emplacement as set out in the EIS, and to the satisfaction of the DMR.		Noted N/A	January 2005 Waste rock emplacement will not commence until mining operations begin in 2005.
5.2	Tailings Emplacement and Management			
	The Applicant shall: (a) construct the tailings dams to the requirements of, DMR, EPA and DSC and in consultation with DLWC; (b) construct and compact the floor of the tailings storages as required to a permeability acceptable to the DMR and EPA in consultation with DLWC;	(b) Letter to DEC re Permeability Test Report for Northern Tailings Storage Facility 1 Dec 2004 Letter to DEC re Permeability Test Report for Northern Tailings Storage Facility 15 Dec 2004	Yes	January 2005 (a) The Northern Tailings Storage Facility is being constructed in accordance with the requirements of the DEC (EPA)/DSC and DPI (Minerals). ((b) Permeability Test Report for the Northern Tailings Storage Facility was submitted to DEC (EPA) and DPI and DIPNR (LWC) on 1 Dec 2005.
5.3	Management of Retained Water – Cyanide Management			
	(a) <u>Cyanide levels</u> The Applicant shall ensure that cyanide levels of the aqueous component of the tailings slurry stream do not exceed: 20mg CN _{WAD} /L (90 percentile over six months), and 30mg CN _{WAD} /L (maximum permissible limit at any time), at the discharge point to the tailings storages.		N/A	This condition will become active when tailings emplacement commences following commissioning of the Process Plant in 4th quarter 2005.
	(b) <u>Cyanide management</u>		N/A	See comment in 5.3(a). The Cyanide Management Plan


	<p>The Applicant shall prepare a cyanide management plan for the monitoring and reporting of cyanide use on the site, in consultation with DMR, EPA, and DLWC, and to the satisfaction of the Director-General, prior to any use of cyanide on the site. The plan shall make provision for, but is not limited to:</p> <ul style="list-style-type: none"> (i) containing cyanide contaminated waters entirely within the mine site; (ii) maintaining weak acid dissociable (WAD) cyanide levels at the discharge point to the tailings dams to the levels stated in condition 5.3(a); (iii) contingency measures for cyanide reduction. <p>(Refer condition 8.2(b) for cyanide monitoring details).</p>			<p>will be prepared in consultation with DPI (Minerals), DEC (EPA) and DIPNR (LWC) prior to use of any cyanide on site.</p>
	<p>(c) In the event of wildlife deaths occurring due to cyanide, review of cyanide levels shall occur by the EPA in consultation with the Applicant, DMR and NPWS. Any decision to require cyanide reduction shall include, but not be limited to, consideration of the number of fauna deaths, the species involved, antecedent condition of species, methods employed at the time to prevent use of tailings dams by fauna, and antecedent climatic and surface water conditions of the Lake and surrounding area. The Applicant shall notify the CEMCC of any reductions in cyanide levels as soon as practicable.</p>		<p>N/A</p>	<p>See 5.3 (a) and (b) above.</p>
<p>5.4</p>	<p>Fuel, Oil and other Chemical Handling</p>			
	<p><i>Note: The development consent conditions under 5.4(a)-(f) are related to offsite risk to people and the biophysical environment. The safety of all persons and operations on site is the responsibility of the DMR under the Mines Inspection Act and Dangerous Goods Act.</i></p>		<p>Noted</p>	
	<p>(a) <u>Pre-Construction Studies</u></p> <p>The Applicant shall prepare and submit for the approval of the Director-General, the studies set out under subsections 5.4(a)(i) to 5.4(a)(iii) (the pre-construction studies), at least one month prior to the commencement of construction of the proposed development, (except for construction of those preliminary works that are outside the scope of the hazard studies), or within such further period as the Director-General may agree. Construction, other than of preliminary works, shall not commence until approval has been given by the Director-General and, with respect to the fire safety</p>	<p>Letter from DIPNR re Extension of Deadline for completion of Studies – Condition 5.4, 10 Sept 2003</p> <p>Letter from DIPNR re Extension of Deadline for completion of Studies – Condition 5.4, 15 May 2004</p> <p>Letter from DIPNR re extension for submission of HAZOP Studies, 9 Dec 2004</p>	<p>Yes</p>	<p>July 2004</p> <p>The 5.4(a) studies were not completed prior to commencement of construction and DIPNR granted an extension until the 31 May 2004 and a further extension as described below.</p> <p>Extension of time granted for submission of the Fire Safety Study, Hazard and Operability Study, and Final Hazard Analysis until 31 December 2004.</p> <p>January 2005</p> <p>The pre-construction studies (excluding the HAZOP supplementary studies) have been prepared and were submitted to DIPNR on 22 December 2004.</p>


	study, approval has also been given by the Commissioner of the NSW Fire Brigades.			
(i)	<p><i>Fire Safety Study</i></p> <p>This study shall cover all aspects detailed in the Department of Urban Affairs and Planning's Hazardous Industry Planning Advisory Paper No. 2, "Fire Safety Study Guidelines" and the New South Wales Government's "Best Practice Guidelines for Contaminated Water Retention and Treatment Systems". The study shall also be submitted for approval to the New South Wales Fire Brigades.</p> <p>The study should, in particular, address the fire related issues associated with the storage and use of Ammonium Nitrate, Sodium Isobutyl Xanthate, and Cyanide.</p>	<p>Letter to NSW Fire Brigades – Submission of Fire Safety Study for approval, 22 Dec 2004</p> <p>Letter to DIPNR – Submission of Fire Safety Study, 22 Dec 2004</p>	Yes	<p>July 2004</p> <p>Refer to comments in condition 5.4(a) in relation to extension of the date for submission.</p> <p>January 2005</p> <p>Fire Safety Study prepared by Pinnacle Risk Management for CGP and submitted for approval by the Commissioner of the NSW Fire Brigade, was submitted to DIPNR in Dec 2004 in accordance with MCoA 5.4.</p>
(ii)	<p><i>Hazard and Operability Study</i></p> <p>The study is to be chaired by an independent qualified person approved by the Director-General prior to the commencement of the study. The study shall be carried out in accordance with the Department's Hazardous Industry Planning Advisory Paper No. 8, "HAZOP Guidelines". The HAZOP shall in particular address the monitoring, control, alarm and shutdown systems associated with xanthate and cyanide process streams.</p>	<p>Letter to DIPNR – Submission of HAZOP Study, 22 Dec 2004</p>	Yes	<p>July 2004</p> <p>Refer to comments in condition 5.4 in relation to extension to the date for submission.</p> <p>January 2005</p> <p>The Hazard and Operability Study for the main plant area was prepared and submitted to DIPNR in Dec 2004 and the HAZOP Study Action Item Closeout Status Report (Action Program) prepared by AkerKvaerner Australia Pty Ltd was also submitted in Dec 2004.</p>
(iii)	<p><i>Final Hazard Analysis</i></p> <p>The analysis should be prepared in accordance with the Department of Urban Affairs and Planning's Hazardous Industry Planning Advisory Paper No. 6, "Guidelines for Hazard Analysis".</p>	<p>Letter to DIPNR – Submission of Final Hazard Analysis, 22 Dec 2004</p>	Yes	<p>July 2004</p> <p>Refer to comments in condition 5.4 in relation to the extension to the date for submission of the Final Hazard Analysis.</p> <p>January 2005</p> <p>The Final Hazard Analysis was prepared by CGP and submitted to DIPNR on 22 December 2004.</p>
(b)	<p><i>Pre-Commissioning Studies</i></p> <p>The Applicant shall prepare and submit for the approval of the Director-General the studies set out under subsections 5.4(b)(i) to 5.4(b)(iii) (the pre-commissioning studies), no later than two months prior to the commencement of commissioning of the proposed development, or within such period as the Director-General may agree. Commissioning shall not commence until approval has been given by the Director-General.</p>		N/A	<p>July 2004</p> <p>The commissioning of the plant is planned for 4th quarter 2005.</p>

<p>(i) <i>Transport of Hazardous Materials</i></p> <p>The study comprises arrangements covering the transport of hazardous materials including details of routes to be used for the movement of vehicles carrying hazardous materials to or from the proposed development. The study shall be carried out in accordance with the Department of Urban Affairs and Planning’s draft “Route Selection” guidelines. Suitable routes identified in the study shall be used except where departures are necessary for local deliveries or emergencies.</p> <p>The study should also address (1) the issues associated with spills, cleanup procedures, training of clean-up teams, communication, and liaison with organisations such as the fire brigades, District Emergency Management Coordinator (and Committee), Local Emergency Management Committee(s), and state emergency services; (2) inspection and monitoring procedures for chemicals such as explosives, xanthates and cyanides prior to commencement of a trip, to verify the integrity of the packaging; and (3) measures to be taken to ensure that the temperature of the materials does not rise above safe levels</p>		N/A	<p><u>July 2004</u></p> <p>Refer to comment in condition 5.4(b). <u>The transport of hazardous materials will not occur until the 4th quarter 2005.</u></p>
<p>(ii) <i>Emergency Plan</i></p> <p>A comprehensive emergency plan and detailed emergency procedures for the proposed development. This plan shall include detailed procedures for the safety of all people outside of the development who may be at risk from the development. The plan should be in accordance with the Department of Urban Affairs and Planning’s Hazardous Industry Planning Advisory Paper No. 1, “Industry Emergency Planning Guidelines”, and include procedures for spillage, cleanup, control and protection, and rescue of wildlife during the emergency.</p>	<p><u>Construction Emergency Response Plan – CGP</u></p>  <p><u>Plate 7: Fire tender, Spill Response Unit and fire trailer 1000L water tank</u></p>	<u>Yes</u>	<p><u>July 2004</u></p> <p>The Construction Emergency Response Plan is in place and operational.</p> <p><u>January 2005</u></p> <p><u>The CGP Emergency Response Team (15-20 staff) is being provided with training. In December 2004 RFS provided a 2 day training session on fire response, and a crisis management training course was conducted involving rescue/spill response /media and protesters response. A Category 7 fire tender has been commissioned and will be fully operational by 30 January 2005. There is also a Spill Response Unit trailer and fire trailer with water tank.</u></p> <p>The Operational Emergency response Plan will be prepared for implementation prior to commencement of operation of the mine and process plant <u>in 4th quarter 2004.</u></p>
<p>(iii) <i>Safety Management System</i></p> <p>A document setting out a comprehensive safety management system, covering all operations on-site and associated transport activities involving hazardous materials. The document shall</p>		N/A	<p><u>July 2004</u></p> <p>Refer to comment in condition 5.4(b). <u>The Safety Management System documentation will be developed prior to the commencement of the process plant and</u></p>

<p>clearly specify all safety related procedures, responsibilities and policies, along with details of mechanisms for ensuring adherence to procedures. Records shall be kept on-site and should be available for inspection by the Director-General upon request. The safety management system should be developed in accordance with the Department’s Hazardous Industry Planning Advisory Paper No. 9, “Safety Management”.</p>			<p>transport of hazardous materials to the site.</p>
<p>(c) <u>Compliance Reports</u> One month prior to the commencement of operation of the plant, the Applicant shall submit to the Director-General, a compliance report detailing compliance with conditions 5.4(a) and 5.4(b), including:</p> <ul style="list-style-type: none"> (i) dates of study submission, approval, commencement of construction and commissioning; (ii) actions taken or proposed, to implement recommendations made in the studies; and (iii) responses to each requirement imposed by the Director-General under condition 5.4(f). 		<p>N/A</p>	<p>July 2004 The Compliance Report will be prepared in the 3rd quarter 2005 for submission one month prior to commencement of the operation of the plant. January 2005 The process plant is due for completion in 4th quarter 2005 and the Compliance Report will be prepared for submission one month prior to commencement of the plant.</p>
<p>(d) <u>Incident Report</u> Within 24 hours or the next working day of any incident or potential incident with actual or potential significant off-site impacts on people, or the biophysical environment (including wildlife), report shall be supplied to the Director-General outlining the basic facts and mitigation measures undertaken at the time. A further detailed report shall be prepared and submitted following investigations of the causes and identification of necessary additional preventative measures. The report must be submitted to the Director-General no later than 14 days after the incident or potential accident. The Applicant shall maintain a register of such accidents, incidents, and potential incidents. The register shall be made available for inspection at any time by the independent hazard auditor and the Director-General.</p>		<p>Yes</p>	<p>January 2005 No reportable incidents occurred during the audit period. Incident Reports are to be completed for any incidents occurring from the CGP activities (including all contractor works). The Barrick reporting system includes a standard form for an Incident Report, Investigation/Action/Clearance Form.</p>
<p>(e) <u>Hazard Audit</u> Twelve months after the commencement of operations of the proposed development or within such further period as the Director-General may agree, the Applicant shall carry out a comprehensive hazard audit of the proposed development and submit a report of the audit to the Director-General. The audit shall be carried out at the Applicant’s expense by a</p>		<p>N/A</p>	<p>January 2005 Preparation of the Hazard Audit is planned for 4th quarter 2006 (i.e. 12 months after commencement of operation of process plant).</p>

	duly qualified independent person or team approved by the Director-General prior to commencement of the audit. Further audits shall be carried out every three years or as determined by the Director-General and a report of each audit shall within a month of the audit be submitted to the Director-General. Hazard audits should be carried out in accordance with the Department's Hazardous Industry Planning Advisory Paper No. 5, "Hazard Audit Guidelines".			
	(f) <u>Further requirements</u> The Applicant shall comply with all reasonable requirements of the Director-General in respect of the implementation of any measures arising from the approvals given in respect of conditions 5.4(a) - 5.4(e) above, within such time as the Director General may agree.		Noted	
5.5	Domestic Waste			
	The Applicant shall dispose of all solid waste and putrescible matter from the site to the satisfaction of BSC.		Yes	All solid waste and putrescible matter from the site activities is collected by a waste contractor for disposal at the BSC landfill.
5.6	Sewage and Associated Waste Management			
	The Applicant shall install the site sewage treatment facility, and dispose of treated sewage and sullage to the satisfaction of BSC and EPA, and in accordance with the requirements of the Department of Health.	Notice of Determination of a Development Application 118/03 – Installation of On-site Sewage Management System Notice of Determination of a Development Application 139/03 – Relocation of Drilling Compound Infrastructure	N/A	July 2004 This condition applies to the permanent sewage treatment facility that will be installed for the operation of the mine, process plant and administration areas. Currently the STP installed at the temporary Mine Office area, contractors compound and driller's compounds have been approved under development applications to the BSC.
5.7	Asbestos & Other Hazardous/Toxic Waste Management			
	The Applicant shall prior to commencement of construction works prepare a Hazardous Waste and Chemical Management Plan as set out in section 6.4.1 of the EIS in consultation with EPA and BSC, and to the satisfaction of the Director-General.	<ul style="list-style-type: none"> • Hazardous Waste and Chemical Management Plan Oct 2003 • Letter from DMR Ref L03/0324 re Draft Hazardous Waste and Chemical Management Plan 14 Oct 2003 • Letter from BSC re Draft Hazardous Waste and Chemical Management Plan 29 Oct 2003 • Letter from EPA re Draft 	Yes	July 2004 The Hazardous Waste and Chemical Management Plan was prepared by Barrick, approved by the Director General in October 2003 and placed on display at Bland Shire Council on 5 November 2003.


		Hazardous Waste and Chemical Management Plan 29 Oct 2003 • Letter from DIPNR re Hazardous Waste and Chemical Management Plan 30 Oct 2003		
6.	AIR QUALITY/BLAST/ NOISE AND LIGHT MANAGEMENT			
6.1	Air Quality Management			
	(a) The Applicant shall prior to commencement of construction works prepare a dust management plan detailing air quality safeguards and procedures for dealing with dust emissions in consultation with the EPA and to the satisfaction of the Director-General. The management plan shall be updated as required by the Director-General and/or EPA. The plan shall include, but not be limited to, details of: locations for dust monitoring (in accordance with Australian Standard), including location gauges near the Gumbelah residence, and bird breeding and native flora areas determined by the Applicant in consultation with the EPA and NPWS;	Dust Management Plan 2003 • Letter from NPWS re Draft Dust Management Plan, 24 July 2003 • Letter from EPA re Draft Dust Management Plan 25 July 2003 • Letter from DMR Ref L03/0324 re Draft Dust Management Plan 28 July 2003 • Letter from DIPNR re Dust Management Plan 1 Aug 2003 • Letter from BSC re Draft Dust Management Plan, 6 Aug 2003	Yes	July 2004 A Dust Management Plan was prepared by Barrick, approved by the Director General in August 2003 and placed on display at Bland Shire Council on 6 August 2003.
	(b) methods to determine when and how the mine operation is to be modified to minimise the potential for dust emissions.	Dust Management Plan Section 5	Yes	January 2005 Baseline monitoring of dust has continued with the dust deposition gauges maintained and samples collected each month. Dust monitoring results will be included in the AEMR.
	(c) measures to continue baseline monitoring undertaken prior to development consent. (Refer condition 8.3 for air quality monitoring details)	Dust Management Plan Section 7		
6.2	Dust Suppression and Control			
	The Applicant shall: (i) maintain and use sufficient equipment with the capacity to apply water to all unsealed trafficked areas at a rate which minimises dust emissions; (ii) ensure the prompt and effective rehabilitation of all disturbed areas to minimise generation of wind erosion dust, in accordance with the requirements of DMR; (iii) keep the surface of all stockpiles sufficiently treated to minimise windblown dust.	 Plate 8: Water tanker wetting areas of work on the temporary isolation	Yes	July 2004 Water tankers were in use on site in the areas of surface disturbance during the site inspections associated with this audit. January 2005 The use of water tankers to reduce dust dispersion from the construction activities continued in the Northern Tailings Storage Facility, internal access road and water management structures. The dry conditions resulted in localised dust generation in the areas of heavy equipment use.

		<p>bund July 2004.</p>  <p>Plate 9: Localised dust generation from heavy equipment in the Northern Tailings Storage Facility excavation.</p>		
6.3	Blast Management			
	<p>The Applicant shall:</p> <p>(i) prior to mining operations prepare a blast management plan in consultation with the EPA and to the satisfaction of the Director-General . The plan shall identify the blast provisions detailed in the ANZECC document titled “Technical Basis for Guidelines to Minimise Annoyance due to Blasting Overpressure, and Ground Vibration”. The plan shall also detail strategies and procedures for dealing with blasts which exceed air blast overpressure of 120dB(L Peak Linear) at dwellings, or demonstrably disturb bird breeding, and carry out remedial measures as directed by the EPA, in consultation with NPWS if monitoring demonstrates bird breeding is impacted.</p>	<p>Blast Management Plan Sep 2003</p> <ul style="list-style-type: none"> • Letter from NPWS re Blast Management Plan, 5 Aug 2003 • Letter from DMR Ref L03/0324 re Draft Blast Management Plan 8 Aug 2003 • Letter from DIPNR re Blast Management Plan 23 August 2003 		<p>July 2004</p> <p>A Blast Management Plan was prepared by Barrick, approved by the Director General in August 2003 and placed on display at Bland Shire Council on 8 September 2003.</p>
	<p>(ii) advise residents within two (2) kilometres of the active mining area of future blasting events on a monthly basis, and of any changes to monthly programs.</p>	Blast Management Plan Section 3	N/A	<p>January 2005</p> <p>No blasting associated with the mine has occurred.</p>
	<p>(iii) upon written request of the owner of any dwellings located within two (2) kilometres of the active mining area, the Applicant shall arrange at its own costs, for the inspection by a technically qualified person agreed to by both parties, to record the material condition of any structure on such property within 14 days of receipt of the request. The Applicant shall supply a copy of any inspection report, certified by the person who undertook the inspection, to the relevant property owner within fourteen (14) days of receipt of the report;</p>	Blast Management Plan Section 11	N/A	<p>January 2005</p> <p>No blasting associated with the mine has occurred.</p>

	(Refer condition 8.4(b) for blast monitoring details)				
6.4	Noise Control				
	<p>(a) <u>Noise levels - mine operations</u></p> <p>The Applicant shall ensure that the $L_{A10(15\text{ minute})}$ noise levels due to the normal operation of the mine, when measured or computed at any dwelling in the vicinity of the mine (other than one owned by a mining company), shall not exceed:-</p> <ul style="list-style-type: none"> - during day time (7am-10pm), an $L_{A10(15\text{ minute})}$ noise levels of 35dB(A) - during night time (10pm-7am), an $L_{A10(15\text{ minute})}$ noise levels of 33dB(A). <p>These goals apply under prevailing meteorological conditions except during:</p> <ul style="list-style-type: none"> • rain; and/or • wind speeds greater than 3m/s, and/or • temperature inversions. <p>Noise impacts that may be enhanced by temperature inversions shall be addressed by:</p> <ul style="list-style-type: none"> (i) documenting noise complaints received to identify any higher level of impacts or patterns of temperature inversions; and (ii) where levels of noise complaints indicate a higher level of impact then actions to quantify and ameliorate any enhanced impacts under temperature inversion conditions should be detailed in the noise management plan. 		Noted		
	<p>(b) <u>Noise management plan</u></p> <p>The Applicant shall prior to commencement of mining operations prepare a noise management plan in consultation with the EPA and to the satisfaction of the Director-General. The plan shall detail noise strategies and procedures for dealing with noise which exceeds the $L_{A10(15\text{ minute})}$ noise emission limits set out in this consent, including where appropriate exceedences during temperature inversions, or demonstrably disturbs bird breeding, and carry out remedial measures as directed by the EPA, in consultation with NPWS if monitoring demonstrates bird breeding is impacted.</p> <p>(Refer condition 8.4 for noise investigation/monitoring details).</p>	<ul style="list-style-type: none"> • Letter from EPA re Draft Noise Management Plan 7 Nov 2003 • <u>Letter to DIPNR re Submission of Noise Management Plan, 11 Nov 2004</u> • <u>Letter from DIPNR re Noise Management Plan prepared to the satisfaction of the Director-General, 21 Nov 2004</u> 	N/A	N/A	<p><u>January 2005</u></p> <p><u>Noise Management Plan prepared in consultation with DEC and submitted to DIPNR in November 2004.</u></p>

<p>(c) <u>Road traffic noise</u></p> <p>(i) The Applicant shall, prior to commencement of construction, prepare a traffic noise management plan for the access road from the intersection with the Mid-Western Highway to the mine site in consultation with the EPA and BSC, and to the satisfaction of the Director-General. The plan shall include, but not be limited to: details of noise monitoring; and details of mitigation measures in the event of noise exceedences.</p>	<p>Traffic Noise Management Plan Nov 2003</p> <ul style="list-style-type: none"> • Letter from DMR re Draft Traffic Noise Management Plan 8 Aug 2003 • Letter from EPA re Draft Traffic Noise Management Plan 18 Aug 2003 • Letter from BSC re Draft Traffic Management Plan 19 Aug 2003 • Letter from DIPNR re Traffic Noise Management Plan 28 Aug 2003 • Letter to DEC re Traffic Noise Criteria, 21 July 2004 • Letter to DEC re Traffic Management Plan 13 Oct 2004 	<p style="text-align: center;">Yes</p>	<p>July 2004</p> <p>A Traffic Noise Management Plan for the access road was by Barrick, approved by the Director General in August 2003 and placed on display at Bland Shire Council on 4 September 2003.</p>
<p>(ii) Truck movements for material delivery purposes will be restricted as far as practicable to daytime hours (0700 to 2200 hours).</p>	<p>Traffic Noise Management Plan Section 2.3</p>	<p style="text-align: center;">Yes</p>	
<p>(iii) Notwithstanding subclause (i) above, traffic noise monitoring shall be conducted at any of the five dwellings predicted to be affected by road traffic noise as identified in the EIS upon receipt of relevant noise complaint. Noise amelioration works shall be implemented where noise levels (as validated by monitoring) are determined to be in exceedence of relevant EPA criteria. The proposed amelioration measures shall be approved by BSC prior to implementation.</p>	<p>Traffic Noise Management Plan Section 4.1.2</p>	<p style="text-align: center;">N/A</p>	<p>July 2004</p> <p>Baseline Traffic Noise Assessment carried out by Richard Heggie Associates on 20 January 2004</p>
<p>(iv) In the event that other landowners consider that noise at their dwelling which is located along the mine access road between the Mid-Western Highway and the mine site, is in excess of the relevant EPA amenity criteria for traffic noise, and the Director-General, in consultation with the EPA, is satisfied that an investigation is required, the Applicant shall upon receipt of a written request:</p> <ul style="list-style-type: none"> • appoint a qualified independent person to undertake direct discussions with the landowners affected to ascertain their concerns and to plan and implement an investigation to quantify the impact and determine the sources of the effect, and 	<p>Traffic Noise Management Plan Section 4.1.3</p>	<p style="text-align: center;">N/A</p>	

	<ul style="list-style-type: none"> where the project is identified as the cause/source bear the cost of the independent investigation and if exceedences are identified implement noise amelioration to provide for full compliance with EPA criteria. The proposed amelioration measures shall be approved by BSC prior to implementation. 			
7	TRANSPORT AND UTILITIES			
7.1	Road Transport			
	<p><u>Mine site access road</u></p> <p>(i) The Applicant shall ensure as far as practical that the preferred mine access road route as described in the EIS is the only route used by employees and contractors travelling to the mine site from West Wyalong and no other route.</p> <p>(ii) The mine access road upgrade shall be undertaken in accordance with the approval issued by BSC under Part 5 of the Environmental Planning and Assessment Act, 1979. (Refer also to conditions 2.2 and 5.4(b)).</p>	<p>Access Road Erosion and Sediment Control Plan, Oct 2003</p> <p>Bland Shire Council Decision Notification of Approval of Cowal Gold Project Access Road Upgrade, 21 April 1999</p>		<p><u>July 2004</u></p> <p>A Part 5 Approval under the EPA Act for the mine access road approved on 21 April 1999.</p> <p>The Bland Shire Council (BSC) granted approval for the upgrade of the access road to the Cowal Gold Project:</p> <p>MR57 North West Wyalong/Wamboyno Road; Blow Clear/Lake Cowal Road; Lake Cowal/Wamboyno Road; and Public Road adjoining West Wyalong/Burcher Railway Line.</p> <p><u>January 2005</u></p> <p><u>The external mine access road is being constructed and is planned for completion by the BSC in mid 2005. The internal mine access road will be completed in mid-2005.</u></p>
8.	MONITORING/AUDITING			
	<p>Monitoring programs in conditions 8.1 - 8.6 below are to be revised/updated annually, unless otherwise directed by the Director-General, to reflect changing environmental requirements significant changes in technology/operational practices and results from monitoring conducted. Changes shall be made and approved through the AEMR process. All monitoring programs shall also be made publicly available at BSC within two weeks of approval of the relevant government authority.</p>	<ul style="list-style-type: none"> Surface Water, Groundwater, Meteorological and Biological Monitoring Program – Construction Phase, Dec 2003 Monitoring Program for the Detection of any Movement of the Lake Protection Bund, Water Storage and Tailings Structures and Pit/Void Walls, Dec 200 	Yes	<p><u>July 2004</u></p> <p>The surface and ground water monitoring program was placed on display at Bland Shire Council display within 2 weeks of their approval by the relevant government authority.</p> <p><u>January 2005</u></p> <p><u>Monitoring results will be presented in the AEMR that is due for submission in February to DIPNR and any updates to the monitoring program will occur through the AEMR process.</u></p>
8.1	Meteorological			

	<p>The Applicant shall continue meteorological monitoring by utilising and maintaining the existing weather station on site. The data shall be particularly used for predicting noise, dust and blasting impacts on nearby residences, and bird breeding areas identified by the Applicant in consultation with NPWS.</p>	 <p>Plate 10: Meteorological station at permanent location.</p>	<p>Yes</p>	<p>July 2004</p> <p>Barrick continued meteorological monitoring utilising and maintaining the existing weather station site until June 2004 when the meteorological station was relocated to the permanent site west east of the tailings storage area on the southern side of the mine lease.</p>
<p>8.2</p>	<p>Surface and Ground Water and Cyanide</p>			
	<p>(a) <u>Water monitoring</u></p> <p>(i) The Applicant shall construct and locate:</p> <p>(a) surface water monitoring positions in consultation with DLWC and EPA, and to the satisfaction of the Director-General, at least three months prior to the commencement of construction works unless otherwise directed by the Director-General; and</p> <p>(b) groundwater monitoring positions in consultation with DLWC and EPA, and to the satisfaction of the Director-General at least six months prior to the commencement of construction works unless otherwise directed by the Director-General.</p>	<p>Surface Water, Groundwater, Meteorological and Biological Monitoring Program – Construction Phase, Dec 2003 Section 4.3</p> <ul style="list-style-type: none"> • Letter from DIPNR re surface water monitoring locations, 12 Mar 2003 <p>Surface Water, Groundwater, Meteorological and Biological Monitoring Program – Construction Phase, Dec 2003, Section 5.3</p> <ul style="list-style-type: none"> • Letter from DIPNR re surface water monitoring locations, 12 Mar 2003 	<p>Yes</p>	<p>July 2004</p> <p>Surface water monitoring positions were located at least 3 months prior to commencement of construction. The positions were approved by the Director-General in March 2003 after Barrick had consulted with the EPA and DIPNR (DLWC).</p> <p>Groundwater monitoring has been generally in accordance with the EPL. Permanent groundwater monitoring locations in areas that will be disturbed by development of the mine infrastructure will be installed as soon as construction is complete. Other groundwater monitoring locations have been installed prior to commencement of construction.</p> <p>The positions were approved by the Director General in March 2003 after Barrick had consulted with the EPA and DIPNR (DLWC).</p>

<p>(ii) The Applicant shall prepare a detailed monitoring program in respect of ground and surface water, including water in the up catchment diversion system, internal catchment drainage system, dewatering bores, Bland Creek Palaeochannel borefield and water supply pipeline from borefield, pit/void, Lake Cowal, and any other waters in and around the mine site, during construction works, mine operations and post mine operations in consultation with DLWC, EPA, NSW Fisheries and to the satisfaction of the Director-General. The monitoring program during construction works shall be prepared prior to commencement of construction. The monitoring program during mine operation shall be prepared prior to commencement of mine operation. The monitoring program post mine operations shall be prepared by year 7 of mine operations.</p>	<p>Surface Water, Groundwater, Meteorological and Biological Monitoring Program – Construction Phase, Dec 2003</p> <ul style="list-style-type: none"> • Letter from DMR Ref L03/0324 re Draft Surface Water, Groundwater, Meteorological and Biological Monitoring Program, 13 Oct 2003 • Letter from BSC re Draft Surface Water, Groundwater, Meteorological and Biological Monitoring Program, 17 Dec 2003 • Letter from DIPNR re Surface /Groundwater, Meteorological and Biological Monitoring Program, 10 Dec 2003 	<p>Yes</p>	<p>July 2004</p> <p>A surface and ground water monitoring program for construction works was prepared by Barrick, approved by the Director General in December 2003 and placed on display at Bland Shire Council on 17 December 2003.</p> <p>D1 and D4 water storage ponds were still under construction at the time of the audit. Monitoring of the water quality in the storages will begin when construction is complete and storage occurs.</p> <p>January 2005</p> <p><u>The storage ponds have been constructed, but there have not been any significant rains and there has been no monitoring of water quality in the ponds conducted.</u></p>
<p>(iii) The monitoring program will include the development of adequate chemical and ongoing baseline biological monitoring in the waters of Lake Cowal, when water is present, by suitably qualified and experienced staff or consultants to the satisfaction of the DLWC and EPA, and in the case of biological monitoring NSW Fisheries. DLWC and EPA must be satisfied as to sampling design, including sample locations, sample frequency, sample handling, transport and analysis, sampling parameters and reporting of analysis results.</p>	<p>Surface Water, Groundwater, Meteorological and Biological Monitoring Program – Construction Phase, Sections 4.3.5, 4.3.6, 4.3.7, 7.3.6, 7.3.7 and 11.</p>	<p>Yes</p>	<p>July 2004</p> <p>The monitoring program was approved by the Director-General in Dec 2003 after Barrick had consulted with the EPA and DLWC.</p> <p>January 2005</p> <p><u>Groundwater monitoring has been conducted in accordance with the monitoring program. Results will be reported in the AEMR.</u></p>
<p>(iv) The results and interpretation of surface and ground water monitoring (including biological monitoring) are to be provided by the Applicant in an approved form to the DLWC, EPA and NSW Fisheries on a three monthly basis during construction and the first 12 months of ore processing operations and thereafter on an annual basis, unless otherwise agreed by the Director-General. The results are also to be contained and analysed in the AEMR (Condition 9.2(a)).</p>	<ul style="list-style-type: none"> • Letter from DIPNR re Condition 8.2(iv) – Monitoring – extension of dates for reporting • Letter to DEC – Submission of Monitoring results May to July 2004, 7 Oct 2004 • Letter to DIPNR – Submission of Monitoring results May to July 2004, 7 Oct 2004 • Letter to DPI – Submission of Monitoring results May to July 2004, 7 Oct 2004 	<p>Yes</p>	<p>July 2004</p> <p>DIPNR agreed to the first reporting of monitoring period to be 1 May to 31 July 2004 given the low level of site activity in early 2004.</p> <p>January 2005</p> <p><u>The first quarterly report of monitoring results for 1 May to 31 July 2004 was submitted to DEC (EPA), DIPNR (LWC) and DPI (Fisheries) on 7 Oct 2004 in accordance with the condition.</u></p>

<p>(v) the Applicant shall prior to commencement of construction works prepare in consultation with DLWC and DMR and to the satisfaction of the Director-General, a monitoring program for the detection of any movement of the Lake protection bund, water storage and tailings structures and pit/void walls during the life of the mine, with particular emphasis on monitoring after any seismic events.</p>	<p>Monitoring Program for the Detection of any Movement of the Lake Protection Bund, Water Storage and Tailings Structures and Pit/Void Walls, Dec 200</p>	<p>Yes</p>	<p>July 2004 A monitoring program for the detection of any movement in the lake protection bund, water storage and tailings structures and pit/void walls was prepared by Barrick, approved by the Director General on 9 October 2003 and placed on display at Bland Shire Council on 16 October 2003. January 2005 <u>Monitoring points in the Lake Protection Bund have been installed in accordance with the program. Monitoring points for the other structures will be installed when the construction works are completed.</u></p>
<p>(b) <u>Cyanide monitoring</u> The Applicant shall prior to any tailings disposal prepare a cyanide monitoring program in consultation with the EPA and DMR, and to the satisfaction of the Director-General. The plan shall include, but not be limited to, provision for:</p>		<p>N/A</p>	<p>January 2005 <u>The Cyanide Monitoring Program</u> will be prepared prior to ore processing commencing. <u>The ore processing plant is planned for commissioning in 4th quarter 2005.</u></p>
<p>(i) monitoring of CN_{WAD} levels of the aqueous component of the tailings slurry stream at the discharge point to tailings dams twice daily or as otherwise directed by the Director-General, with any increases above 20mg CN_{WAD}/L to be assessed daily and reported monthly to the DMR and EPA, unless otherwise agreed by the Director-General. If the CN_{WAD} levels of 30mg/L are exceeded in the liquid at any time, discharge to the tailings dams shall cease until CN_{WAD} levels can be achieved below the levels stated in condition 5.3(a) and such exceedence shall be reported to the EPA within 24 hrs;</p>		<p>N/A</p>	<p>January 2005 <u>The monitoring of cyanide levels in the tailings slurry stream will commence when the ore processing plant is commissioned in 4th quarter 2005.</u></p>
<p>(ii) monitoring CN_{WAD} levels in the decant water of the tailings dams twice daily or as otherwise directed by the Director-General;</p>		<p>N/A</p>	<p>See above.</p>
<p>(iii) an on site laboratory for quickly establishing CN_{WAD} levels in the liquid at the discharge point to tailings dams and in the decant ponds for monitoring purposes;</p>		<p>N/A</p>	<p>See above.</p>
<p>(iv) on-line monitoring of CN(FREE) at locations where employees are operating;</p>		<p>N/A</p>	<p>See above.</p>
<p>(v) establishing a monitoring regime for detection of cyanide movement beneath and adjacent to the tailings impoundments.</p>		<p>N/A</p>	<p>See above.</p>
<p>A summary of the cyanide monitoring results shall be provided to the Director-General, EPA and DMR on a three monthly basis, unless otherwise agreed by the Director-General. All results shall</p>		<p>N/A</p>	<p>See above.</p>

	be included in the AEMR.			
8.3	<i>Air Quality and Dust</i>			
	The Applicant shall:	Dust Management Plan Sep 2003	Yes	July 2004 Dust deposition gauges have been installed at the location identified in the Dust Management Plan. A high volume sampler has been installed at the nearest residence (sensitive receptor) and operates on a 6 day cycle for TSP.
	(a) undertake monitoring at locations described in the dust management plan (condition 6.1);			
	(b) monitor dust deposition rates and concentrations of total suspended particulates (TSP) for the life of the mine, including monitoring impacts of dust on any surface water within the high water mark of Lake Cowal; and	Dust Management Plan Sep 2003	Yes	Dust deposition monitoring has been implemented in accordance with the Dust Management Plan. Dust deposition and TSP monitoring related to Lake Cowal waters has <u>waters have</u> not been activated as the lake has been dry since the commencement of construction in January 2004. January 2005 Dust monitoring has continued.
	(c) provide all results and analysis of air quality monitoring in the AEMR including a determination of the dust deposition rate in gm/m ² /month, which shall be plotted in the AEMR.		N/A	January 2005 The dust monitoring results will be presented in the AEMR.
8.4	<i>Noise and Blasting</i>			
8.4(a)	<i>Noise Investigations and Management</i>			
	The Applicant shall:		N/A	January 2005 The noise monitoring investigations to evaluate noise emissions during normal operations of the mine will commence when the mine becomes operational.
	(i) prior to mining operations develop a plan to conduct noise investigations at six monthly intervals (unless otherwise agreed by the Director-General) to evaluate, assess and report the LA ₁₀ (15 minute) noise emission levels due to normal operations of the mine under prevailing weather conditions, except during rain and/or wind speeds greater than 3m/s and/or temperature inversions. The methodologies, including establishing the mine's operating configuration, determining survey intervals, weather conditions, seasonal variations, selecting variations, selecting locations, periods and times of measurements, design of any noise modelling or other studies, including the means for determining the noise levels emitted by the mining operations, shall be in accordance with the requirements of the EPA;	<ul style="list-style-type: none"> • Letter from EPA re Draft Noise Management Plan 7 Nov 2003 • Letter to DEC re Noise Management Plan, 1 Oct 2004 • Letter from DEC re Noise Management Plan consultation, 11 Oct 2004 ▪ Letter from DIPNR re Noise Management Plan prepared to the satisfaction of the Director-General, 11 Nov 2004 		

	(ii) if required from condition 8.4(a)(i) or if wildlife is significantly impacted as identified by monitoring actions undertaken in accordance with condition 3.4(a), survey and investigate noise reduction measures from plant and equipment at the conclusion of the first 12 months of ore processing operations in consultation with NPWS or as directed by the EPA; and		N/A	
	(iii) arrange independent noise emission investigations as provided in Condition 11.1.			
	A summary of noise monitoring results shall be included in the AEMR.		N/A	
8.4b)	<u>Blasting</u>			
	The Applicant shall:	Blast Management Plan Sep 2003	N/A	January 2005 No blasting had occurred during the project establishment activities up to January 2005 .
	(i) ensure that air blast overpressure and vibration monitoring and control is generally carried out in accordance with the recommendations of Australian Standard AS-2187-1993 or its latest version, and in terms of ANZECC guidelines, including compliance with the guideline titled “Technical Basis for Guidelines to Minimise Annoyance due to Blasting Overpressure and Vibration” or its latest version, to the satisfaction of the EPA;		N/A	January 2005 No blasting had occurred during the project establishment activities up to January 2005.
	(ii) design all blasts based on the results of monitored blasts designed to minimise air blast overpressure and ground vibration using the Nonel or equivalent system such that any one (1) blast has less than a five per cent (5%) probability of exceeding an air blast overpressure of 115dB (Peak Linear) and vibration with a peak particle velocity of 5mm/sec at the closest dwellings not owned by the Applicant outside the DA area, and bird breeding/roosting areas determined by the Applicant, in consultation with NPWS;		N/A	July 2004 Meteorological station has been installed in the permanent location on the mine lease and results are available continuously on the mine site computer system.
	(iii) determine appropriate weather data by taking measurements as soon as practicable prior to blasting and from the data shall predict whether air blast overpressure levels outside the project area are likely to be increased above the levels expected under prevailing weather conditions. The data shall be recorded by the Applicant as part of its monitoring data;		N/A	January 2005 No blasting had occurred during the project establishment activities up to January 2005.
	(iv) not blast if the predictions in sub-clause (iii) herein indicate that air blast overpressure levels are likely to be exceeded at dwellings not owned by the Applicant;		N/A	January 2005 No blasting had occurred during the project establishment activities up to January 2005.

	(v) monitor all blasts and record the overpressure and peak particle velocity at locations to be agreed by EPA/DMR;	Blast Management Plan Section 5	N/A	January 2005 No blasting had occurred during the project establishment activities up to January 2005.
	A summary of blast monitoring results shall be included in the AEMR.		N/A	January 2005 No blasting had occurred during the project establishment activities up to January 2005.
8.5	Fauna and Flora Monitoring			
	The Applicant shall monitor the effectiveness of measures outlined in the fauna management plan and Threatened Species Protocol (condition 3.4). A summary of monitoring results shall be included in the AEMR.	Flora and Fauna Management Plan Oct 2003 Implementation of the Threatened Species Management Plan Oct 2003	N/A/Yes	
8.6	Cultural Heritage Monitoring			
	The Applicant shall monitor the effectiveness of measures outlined in the archaeology and heritage management plan (condition 3.3). A summary of monitoring results shall be included in the AEMR.	Indigenous Archaeology and Cultural Heritage Management Plan	Yes	
8.7	Community Consultative Committee			
	<u>Community Environmental Monitoring and Consultative Committee (CEMCC)</u>			
	The Applicant shall: (i) establish a Community Environmental Monitoring and Consultative Committee and ensure that the first meeting is held before the commencement of construction works. Selection of representatives shall be agreed by the Director-General and the appointment of an independent Chairperson shall be to the satisfaction of the Director-General in consultation with the Applicant and BSC. The Committee shall comprise two (2) representatives of the Applicant (including the Environmental Officer), one (1) representative of BSC, one (1) representative of the Lake Cowal Environmental Trust (but not a Trust representative of the Applicant), four community representatives (including one member of the Lake Cowal Landholders Association), to monitor compliance with conditions of this consent and other matters relevant to the operation of the mine during the term of the consent. Representatives from relevant government agencies (including DUAP) may be invited to attend meetings as required by the Chairperson. The Committee may make comments and recommendations about the implementation of the development	<ul style="list-style-type: none"> • Letter from BSC re Delegate to the CEMCC, 8 April 2004 • Charter of the CEMCC • CEMCC Minutes 15 Oct 2003 • CEMCC Minutes 18 Feb 2004 • CEMCC Minutes 2 June 2004 • CEMCC Minutes 1 Sept 2004 • CEMCC Minutes 1 Dec 2004 	Yes	July 2004 A community environmental monitoring and consultative committee (CEMCC) was established and the inaugural meeting of the CEMCC occurred on 15 October 2003. The meeting minutes were made available at Bland Shire Council for inspection on 29 October 2003. Meetings of the CEMCC have been held on 15 Oct 2003 (prior to commencement of construction), 18 February 2004 and 2 June 2004. Cr D I Bolte elected as the BSC delegate to the CEMCC in April 2004. January 2005 Meetings of the CEMCC were held in September and December 2004.

	and environmental management plans. The Applicant shall ensure that the Committee has access to the necessary plans for such purposes. The Applicant shall consider the recommendations and comments of the Committee and provide a response to the Committee and Director-General.			
	<p>(ii) The Applicant shall, at its own expense:</p> <p>a) nominate two (2) representatives to attend all meetings of the Committee;</p> <p>b) provide to the Committee regular information on the progress of work and monitoring results;</p> <p>c) promptly provide to the Committee such other information as the Chair of the Committee may reasonably request concerning the environmental performance of the development;</p> <p>d) provide access for site inspections by the Committee;</p> <p>e) provide meeting facilities for the Committee, and take minutes of Committee meetings. These minutes shall be available for public inspection at BSC within 14 days of the meeting.</p>		Yes	<p>January 2004</p> <p>Barrick have two representatives attend each CEMCC Meeting and provide information to the Chairperson and the Committee on the development of the CGP.</p> <p>Minutes of the meetings are provided to the Committee members and are made available for public inspection at the BSC library.</p>
	<p>(iii) The Applicant shall establish a trust fund to be managed by the Chair of the Committee to facilitate the functioning of the Committee, and pay \$2000 per annum to the fund for the duration of gold processing operations. The annual payment shall be indexed according to the Consumer Price Index (CPI) at the time of payment. The first payment shall be made by the date of the first Committee meeting. The Applicant shall also contribute to the Trust Fund reasonable funds for payment of the independent Chairperson, to the satisfaction of the Director-General.</p>	<ul style="list-style-type: none"> Letter from BSC re CEMCC, 22 Oct 2003 	Yes	<p>July 2004</p> <p>Barrick has paid \$2000 to Bland Shire Council to be held in trust for the purpose of the CEMCC.</p> <p>BSC acknowledged receipt of \$2000 on 15 Oct 2003 to be held in trust for the purposes of the CEMCC and provided a letter to Barrick on 22 Oct 2003.</p> <p>January 2005</p> <p>Barrick paid the \$2000 for the CEMCC on 18 October 2004.</p>
	<p>(ix) By year 5 of mining operations the Applicant shall, in consultation with CEMCC, identify and discuss post mining issues, particularly in relation to reduced employment and consequent impacts on West Wyalong, and develop a plan for the phase out of the mine workforce. The plan will be reviewed during the year of mining operations following the scale down of the year 8 mining operation workforce. The impacts of the year 8 scale down shall be monitored by the Applicant and results used in planning for full mine closure.</p>		N/A	

	(x) The Applicant shall, in consultation with the CEMCC, develop appropriate strategies to support activities which promote special interest tourism related to the co-existence of mining and the Lake Cowal environment.		Noted	
8.8	Third Party Monitoring/Auditing			
	(a) An Independent Environmental Audit shall be completed: <ul style="list-style-type: none"> • six monthly during construction; • 12 months after commencement of ore processing; • then every three years thereafter until decommissioning of the mine and ore processing operations respectively, or as otherwise directed by the Director-General. 	Independent Environmental Audit, Trevor Brown & Associates, 27 Aug 2004	Yes	July 2004 This An independent environmental audit has been was conducted to address the requirements for the first six months of construction activities at the Cowal Gold Project. The report was submitted to Barrick on 27 August 2004. January 2005 Second independent environmental audit conducted 17 to 21 January 2004.
	The Applicant shall conduct an environmental audit of the mining and infrastructure areas of the development in accordance with ISO 14010 - Guidelines and General Principles for Environmental Auditing, and ISO 14011 - Procedures for Environmental Auditing (or the current versions), and in accordance with any specifications required by the Director-General. Copies of the report shall be submitted by the Applicant to the Director-General, BSC, EPA, DLWC, DMR, NPWS and CEMCC within two weeks of the report's completion for comment.	AS14010 and 14011. Letter to BSC – Submission of Independent Environmental Audit, 6 Sep 2004 Letter to DIPNR/DPI – Submission of Independent Environmental Audit, 9 Sep 2004 Letter from DIPNR – Acceptance of Independent Environmental Audit, 23 Sep 2004 Letter from DPI re satisfied of compliance of independent audit with requirements of ML conditions, 17 Sep 2004	Yes	January 2005 A copy of the Independent Environmental Audit conducted in July 2004 was submitted to the Director-General, BSC, DEC (EPA and NPWS), DLWC, DPI (Minerals), and CEMCC.
	(i) The audit shall: <ol style="list-style-type: none"> assess compliance with the requirements of this consent, licences and approvals; in the event of any non-compliance, report on the effectiveness of the environmental management of the mine as it may relate to the area of non-compliance; be carried out at the Applicant's expense; and be conducted by a duly qualified independent person or team approved by the Director-General in consultation with BSC and CEMCC. 	<ul style="list-style-type: none"> • Letter from Barrick to DIPNR re Independent Audit, 8 June 2004 • Letter from DIPNR re Independent Audit 15 Jun 2004 	Yes	Consultation was held with the CEMCC and BSC in relation to the acceptance of the nominated auditors Trevor Brown and Bob Drury, for the independent audit.

	(ii) The Director-General may, after considering any submission made by the relevant government agencies, BSC and CEMCC on the report, notify the Applicant of any requirements with regard to any recommendations in the report. The Applicant shall comply with those reasonable requirements within such time as the Director-General may require.		Noted	
	(b) <u>Independent Monitoring Panel</u>			
	(i) The Applicant shall at its own cost establish an Independent Monitoring Panel prior to commencement of construction. The Applicant shall contribute \$30,000 per annum for the functioning of the Panel, unless otherwise agreed by the Director-General. The annual payment shall be indexed according to the Consumer Price Index (CPI) at the time of payment. The first payment shall be paid by the date of commencement of construction and annually thereafter. Selection of the Panel representatives shall be agreed by the Director-General in consultation with relevant government agencies and the CEMCC. The Panel shall at least comprise two duly qualified independent environmental scientists and a representative of the Director-General.	• Letter from DIPNR re Nominations for the IMP, 15 Oct 2003	Yes	<p><u>July 2004</u> An independent monitoring panel has been established by Barrick with two independent environmental scientists on the panel nominated by the Director-General after consultation with relevant Government agencies and the CEMCC.</p> <p>Nominated members accepted by the Director-General for the IMP are:</p> <p>Ms Margaret McDonald-Hill Chairperson Mr Allen Kearns Deputy Chief CSIRO Sustainable Ecosystems Prof. Clive Bell, Executive Director Australian Centre for Mining Environmental Research.</p> <p>Barrick deposited \$30,000 into a special account on 20 November 2003 for the functioning of the panel [Citibank – branch No 102, account No 336449049.]</p>
	(ii) The panel shall:		Noted	<p><u>January 2005</u> <u>Alan Kearns was briefed on the Cowal Gold IMP on 22 November 2004, and a meeting with C.Bell occurred on site 15 December 2004. The Annual State of the Environment Report for Lake Cowal will be submitted in 1st quarter 2005.</u></p>
9	REPORTING			

9.1	Reports on Operations			
	The Applicant shall report on mine operations in accordance with the mine operations plan (condition 2.1).	Initial Mine Operations Plan – Cowal Gold Project March 2004	Noted	January 2005 The Mine Operations Plan until June 2007 will be prepared for submission to DPI (Minerals) in 1st quarter 2005. Prestrip of the mine is planned to commence in 2nd quarter 2005.
9.2	Environmental Reporting			
	Annual Environmental Management Report (AEMR)		Noted	
	(i) The Applicant shall, throughout the life of the mine and for a period of at least five years after the completion of ore processing operations, prepare and submit an Annual Environmental Management Report (AEMR) to the Director-General. The AEMR shall review the performance of the mine against the environmental management plans (refer condition 3.2), Mining Operations Plan (refer condition 2.1), the conditions of this consent, and other licences and approvals relating to the mine. To enable ready comparison with EIS predictions, diagrams and tables, the report shall include, but not be limited to, the following matters:	Meeting Agenda 31 March 2004 Annual Environmental Management Report Meeting Letter from DIPNR re Amended Submission Date for AEMR, 6 Dec 2004		July 2004 A meeting was held with of the Mining, Rehabilitation and Environmental Management Process Committee (MREMP) on 31 March 2004 to discuss the Annual Environmental Management Report. The participants included DMR, EPA, DLWC, Councils, Dam Safety Committee representatives, National Parks and Lands representatives. January 2005 The AEMR is being prepared for submission to the Director-General in early 2005.
	a) an annual compliance audit of the performance of the project against conditions of this consent and statutory approvals; b) a review of the effectiveness of the environmental management of the mine in terms of EPA, DLWC, DMR, NPWS, NSW Fisheries, and BSC requirements; c) results of all environmental monitoring required under this consent or other approvals, which includes interpretation and discussion by a suitably qualified person; d) from results of fauna monitoring, records of any fauna deaths due to mine operations; e) a listing of any variations obtained to approvals applicable to the subject area during the previous year; f) the outcome of the water budget for the year and the quantity of water used from water storages and Bland Creek palaeochannel borefield; g) rehabilitation report; h) environmental management targets and strategies for the next year.		N/A	January 2005 The first AEMR will be prepared for the January to December 2004 period in accordance with the requirements of this condition. The AEMR is due for submission in early 2005.

	<p>(ii) In preparing the AEMR, the Applicant shall:</p> <p>a) consult with the Director-General during preparation of each report for any additional requirements;</p> <p>b) comply with any requirements of the Director-General or other relevant government agency; and</p> <p>c) ensure that the first report is completed and submitted within twelve (12) months of this consent, or at a date determined by the Director-General in consultation with DMR.</p>	<p>Letter to DPI - Copy of DIPNR letter (6 December 2004) approving variation of reporting period for AEMR, 17 Dec 2004</p>	<p>Noted</p>	
	<p>(iii) The Applicant shall ensure that copies of each AEMR are submitted at the same time to the Director-General, EPA, DLWC, DMR, DSC, NPWS, NSW Fisheries, the BSC and CEMCC, and be available for public information at the BSC within 14 days of submission to these authorities.</p>		<p>Noted</p>	
10	COMMUNITY CONSULTATION/OBLIGATIONS			
10.1	Community Consultation (including Aboriginal community)			
	<p>(a) <u>Complaints</u></p> <p>The Environmental Officer (refer condition 3.1) shall be responsible:</p> <p>(i) for receiving complaints with respect to construction works and mine operations on a dedicated and publicly advertised telephone line, 24 hours per day 7 days per week, entering complaints or comments in an up to date log book, and ensuring that a response is provided to the complainant within 24 hours; and</p> <p>(ii) providing a report of complaints received every six months throughout the life of the project to the Director-General, BSC, EPA, DMR, and CEMCC, or as otherwise agreed by the Director-General. A summary of this report shall be included in the AEMR (condition 9.2(a)).</p>	<ul style="list-style-type: none"> • Letter to DIPNR re Submission of Complaints Register, 12 Jul 2004 • Letter to DEC re Submission of Complaints Register, 12 Jul 2004 • Letter to DPI re Submission of Complaints Register, 12 Jul 2004 • Letter to CEMCC re Submission of Complaints Register, 12 Jul 2004 • Letter to BSC re Complaints Register, 13 July 2004 • Community Complaints Report Jul 2004 to Jan 2005 • Letters to BSC, DPI, DEC, DIPNR, and CEMCC re Complaints Register 14 Jan 2005 	<p>Yes</p>	<p>July 2004</p> <p>A dedicated 24 hrs per day, 7 days per week -complaints and concerns telephone line (02 6975 3454) was established on 9 December 2003.</p> <p>The complaints line was advertised on Friday 12 December 2003 and Tuesday 16 December 2003 in the West Wyalong Advocate.</p> <p>A complaints register is maintained by Cowal Gold and responses to <u>all</u> complaints are recorded.</p> <p>January 2005</p> <p>The Community Complaints Register for the period July to December 2004 recorded 2 complaints - of water trucks on the school bus route (1) lights from the front gate (1).</p> <p>Three other matters were also recorded from the CEMCC in relation to the status of the access road (2) and weeds along the pipeline route (1).</p>
11.	11. PROPONENTS OBLIGATIONS			

11.1	Area of Affection - Land Acquisition (including resolution of disputes)			
	<i>Note: In Condition 11.1 (a)-(e) "land" means the whole of a lot in a current plan registered at the Land Titles Office as at the date of this consent.</i>			
	<p>(a) (i) In the event that landowners consider that noise and/or dust from the Cowal Gold mining operations at their dwelling(s) is in excess of the criteria set out in this consent or the relevant EPA amenity criteria for noise and/or dust levels, and the Director-General, in consultation with the EPA, is satisfied that an investigation is required, the Applicant shall upon receipt of a written request:</p> <ul style="list-style-type: none"> • appoint a qualified independent person to undertake direct discussions with the landowners affected to ascertain their concerns and to plan and implement an investigation to quantify the impact and determine the sources of the effect, and bear the cost of the independent investigation and make available plans, programmes and other information necessary for the independent person to form an appreciation of the past, present and future mining operations and their effects on noise and/or dust emissions. 		N/A	
	ii) The investigation is to be carried out by a qualified independent person in accordance with a documented Plan. The Plan shall be designed and implemented to measure and/or compute (with appropriate calibration by measurement) the relevant noise and/or dust levels at the complainant's dwelling emitted by the current normal mining operations.		N/A	
	iii) The independent person, the Plan and the timing of its implementation shall be approved by the Director-General, in consultation with BSC, the EPA, the affected landowner and the Applicant. A report of the investigation shall be provided to the Director-General, the EPA, the Applicant and the affected landowner.		N/A	
	iv) The results of the investigation shall be assessed and reported by the independent person in the light of the mine's current operations and proposed short, medium and long term development plans.		N/A	

<p>v) If the independent noise and/or dust investigation finds that the relevant criteria are being exceeded by noise and/or dust emission from normal mining operations, the Applicant shall:</p> <ul style="list-style-type: none"> • modify those areas of the mining operation which are causing the exceedences; or • undertake other measures, as agreed with the affected landowner, to ameliorate the effects of the impact, within three (3) months or as otherwise directed by the EPA. 		N/A	
<p>(vi) Within two (2) months after the expiry of the three (3) month period in sub-clause (v) above, and upon written request from the landowner, the Applicant shall arrange for a further independent noise and/or dust investigation to be completed.</p>		N/A	
<p>(vii) If the investigation in sub-clause (vi) above finds that the relevant noise and/or dust emission levels from normal mine operations exceed relevant amenity criteria, the Applicant shall purchase the property within six months of receipt of a written request from the owner of the affected property.</p>		N/A	
<p>(viii) Further independent investigations shall cease if the Director-General, in consultation with the EPA is satisfied that the relevant consent limits or EPA amenity criteria are not being exceeded and are unlikely to be exceeded in the future.</p>		N/A	
<p>(b) In respect of a request to purchase land arising under Condition 11.1(a), the Applicant shall pay the owner the acquisition price which shall take into account and provide payment for:</p> <ul style="list-style-type: none"> (i) a sum not less than the current market value of the owner’s interest in the land used for its existing use at the date of this consent who is the occupier and all improvements thereon at this date as if the land was unaffected by the development proposal. (ii) the owner’s reasonable compensation for disturbance allowance and relocation costs within the Bland or Forbes Local Government Areas. (iii) the owner’s reasonable costs for obtaining legal advice and expert witnesses for the purposes of determining the acquisition price of the land and the terms upon which it is to be acquired. 		N/A	

(c) In the event that the Applicant and any owner referred to in Condition 11.1(a) cannot agree within the time limit upon the acquisition price of the land and/or the terms upon which it is to be acquired, then:		N/A	
(i) either party may refer the matter to the Director-General, who shall request the President of the Australian Institute of Valuers and Land Economists to appoint a qualified independent valuer, suitably qualified in compensation issues, who shall determine, after consideration of any submissions from the land owner and the Applicant, the acquisition price.		N/A	
<p>(ii) in the event that the independent valuer requires guidance on any contentious legal, planning or other issues, the independent valuer shall refer the matter to the Director-General, who if satisfied that there is need for a qualified panel, shall arrange for the constitution of the panel. The panel shall consist of:</p> <ol style="list-style-type: none"> 1) the appointed independent valuer, 2) the Director-General, and/or 3) the President of the Law Society of NSW or his/her nominee. <p>The qualified panel shall, on the advice of the valuer, determine the issue referred to it and advise the valuer.</p>		N/A	
(d) The Applicant shall bear the costs of any valuation or survey assessment requested by the Director-General in accordance with Conditions 11.1(a) - 11.1(c).		Noted	
(e) Upon receipt of a valuation, the Applicant shall offer to acquire the relevant land at a price not less than the said valuation. Should the Applicant's offer to acquire not be accepted by the owner within six (6) months of the date of such offer, the Applicant's obligations to such owner and in respect of that property under Conditions 11.1(a) - 11.1(e) above shall cease.		N/A	

12.	FURTHER APPROVALS AND AGREEMENTS			
12.1	Statutory Requirements			
	<p>The Applicant shall ensure that all statutory requirements including but not restricted to those set down by the Local Government Act 1993, Pollution Control Act 1970, Clean Air Act 1961, Clean Water Act 1970, Noise Control Act 1975, Protection of the Environment Administration Act 1991, Protection of the Environment Operations Act 1997, National Parks and Wildlife Act 1974, and all other relevant legislation, Regulations, Australian Standards, Codes, Guidelines and Notices, Conditions, Directions, Notices and Requirements issued pursuant to statutory powers by the BSC, EPA, DMR, DSC, NPWS, DLWC, RTA, NSW Agriculture, NSW Fisheries, and RAC, are fully met.</p>		Noted	<p>Barrick has obtained approvals etc under the relevant statutory requirements for the Cowal Gold Project:</p> <p>Environment Protection Licence No. 11912 (EPA)</p> <p>Mining Lease No. 5135 (DMR)</p> <p>Section 87 Permits No. 1361, 1648 and 1681 (NPWS-DEC)</p> <p>Section 90 Consents to Destroy No. 1467 and 1680 (NPWS-DEC-)</p> <p>Part 3A Permits No.703A01055 and 703A010056 (DLWC-DIPNR)</p> <p>Bore Licence Certificates (DLWC-DIPNR)</p> <p>Enclosure Permit No. 353669 (DLWC-DIPNR)</p> <p>Development Applications No.118/03 and 139/03 (BSC)</p>

APPENDIX B ENVIRONMENT PROTECTION LICENCE



APPENDIX B



Environment Protection Licence No. 11912 – Cowal Gold Mine

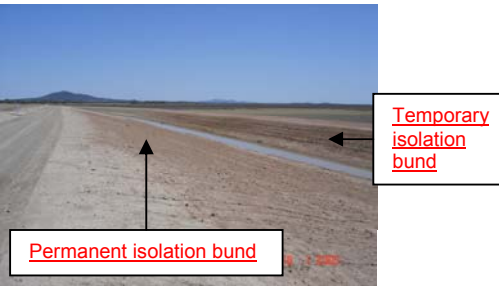
EPL No.	EPL Condition	Audit Evidence	Compliance	Comments
	Premises includes the land defined by ML 1535, the pipeline easement, new TSR and road, borefield and new TSR and road as described on Figure 1 held on EPA file No. 290738A6. Note: The premise is located in both the Bland and Forbes Shires.			Noted
A4.2	For the purposes of condition A4.1, the licence application includes-: 1) Development Consent Cowal Project 2) Cowal Gold project- EIS 3) List of Initial development activities associated with the construction of the Cowal Gold Project. 4) The Cowal Gold Project –Species Impact Statement (Appendix A in Vol 2 of the Cowal Gold Project EIS).			Noted
Discharges to air and water and applications to land				
P1.1	The following points referred to in the table are identified in this licence for the purposes of monitoring and/or the setting of limits for the emission of pollutants to the air from the point.		Yes	July 2004 The monitoring of dust has been conducted in accordance with the licence condition.
P1.2	The following points referred to in the table are identified in this licence for the purposes of the monitoring and/or the setting of limits for discharges of pollutants to water from the point.		Yes	July 2004 The permanent groundwater monitoring piezometers in the areas of the northern and southern tailings storage facilities and the pit dewatering bores are to be installed when the construction of the tailings storage areas are complete and the area of the piezometers will not be further disturbed. Monitoring will commence prior to any tailings being placed in the storage areas. The pit dewatering piezometers will be installed when the surface works around the pit area are complete. The monitoring of groundwater quality has been conducted in existing piezometers installed on the mine lease area to provide background data and many of these bores will be retained and monitored in addition to the EPL specified monitoring points.


				<p>Surface water sampling in Lake Cowal (i.e. points 14-18) and stormwater quality monitoring (points 12-13) have not been conducted as there is no or surface runoff or water in Lake Cowal.</p> <p>Groundwater monitoring has been conducted quarterly using a Grunfos pump to collect the water samples. Modification to the water collection procedure is to be trialled to replace the Grunfos pump that does not meet the electrical tagging safety standard.</p> <p><u>January 2005</u></p> <p><u>The groundwater monitoring has continued to be conducted, using bladder pumps installed in the bores (replacing the use of Grunfos pumps). Monitoring has been conducted in accordance with the licence requirements.</u></p>
P1.3	The following utilisation areas referred to in the table below are identified in this licence for the purposes of the monitoring and/or the setting of limits for any application of solids or liquids to the utilisation area.		Noted N/A	
Weather monitoring				
P2.1	The following points in the table are identified in this licence for the purposes of the monitoring of weather parameters at the point.	Blast Management Plan Figure 1	Yes	<p><u>July 2004</u></p> <p>The meteorological station has been relocated to the permanent site in accordance with the Blast Management Plan.</p>
Limit conditions				
L1.1	Except as may be expressly provided in any other condition of this licence, the licensee must comply with section 120 of the Protection of the Environment Operations Act 1997.		Noted	
Waste				
L5.1	The licensee must not cause, permit or allow any waste generated outside the premises to be received at the premises for storage, treatment, processing, reprocessing or disposal or any waste generated at the premises to be disposed of at the premises, except as expressly permitted by the licence.		Yes	<p><u>July 2004</u></p> <p>No waste material had been received onto the premises during the initial 6 month construction period.</p> <p><u>January 2005</u></p> <p><u>No waste material had been received onto the premises during the initial 6 month construction period.</u></p>
Noise Limits				
L6.1	Noise generated at the premises must not exceed the		Yes	<u>July 2004</u>

	noise limits presented in the table below. The modification factors presented in Section 4 of the NSW Industrial Noise Policy shall also be applied to the measured noise levels where applicable. Note that the noise limits represent the noise contribution from the premises.			Current construction activities were not audible beyond the mining lease boundary during the site inspection. January 2005 Current construction activities were not audible beyond the mining lease boundary during the site inspection.
L6.4	The airblast overpressure level from blasting operations in or on the premises must not exceed: (a) 115 dB (Lin Peak) for more than 5% of the total number of blasts during the reporting period for Monday to Saturday 0900 hrs to 1700 hrs; (b) 120 dB (Lin Peak) at any time, at blast monitoring locations BM01, BM02, BM03, BM04 and BM05 identified on Figure 2, Blast Monitoring Locations in report Blast Management Plan, Cowal Gold Project, August 2003		N/A	July 2004 No blasting had occurred at the project site up to the time of the audit. January 2005 No blasting had occurred at the project site up to the time of the audit.
L6.5	The ground vibration peak particle velocity from blasting operations carried out in or on the premises must not exceed: (c) 5mm/s for more than 5% of the total number of blasts during the reporting period for Monday to Saturday 0900 hrs to 1700 hrs; (d) 10mm/s at any time, at blast monitoring locations BM01, BM02, BM03, BM04 and BM05 identified on Figure 2, Blast Monitoring Locations in report Blast Management Plan, Cowal Gold Project, August 2003.		N/A	July 2004 No blasting had occurred at the project site up to the time of the audit. January 2005 No blasting had occurred at the project site up to the time of the audit.
Operating conditions				
O1.1	Licensed activities must be carried out in a competent manner. This includes: (a) the processing, handling, movement and storage of materials and substances used to carry out the activity; and (b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.		Noted	
O2.1	All plant and equipment installed at the premises or used in connection with the licensed activity:		Noted	

	(a) must be maintained in a proper and efficient condition; and (b) must be operated in a proper and efficient manner.			
O2.2	All persons associated with the licensee including employees, agents’ licensee, contractors and subcontractors must be advised of their responsibilities and liabilities under the Protection of the Environment Operations Act 1997.		Yes	<p><u>July 2004</u></p> <p>The Barrick induction that is provided to all personnel entering or working on the site includes information on environmental management generally and specifically in relation to responsibilities under the POEO Act.</p> <p><u>January 2005</u></p> <p><u>Barrick Management were given detailed training on the POEO Act on 15 Nov 2004.</u></p>
Bunding Requirements				
O3.1	All above ground storage facilities containing flammable and combustible liquids must be banded in accordance with Australian Standard AS1940 (1993) as in force from time to time.	 <p>Plate A: Fuel storage at <u>CGP</u> administration area.</p>  <p>Plate B: Fuel storage at CGP Drillers Compound</p>	Yes	<p><u>July 2004</u></p> <p>Diesel storage at the Mine Administration area is within a bund with a paved area provided for the distribution pump and delivery system.</p> <p>The fuel storage area for the <u>Hardy Bros</u> contractors compound will be installed as the site is developed.</p> <p>The fuel storage at the <u>Boart Longyear</u> driller’s compound is within a portable bund (<u>plate B</u>).</p> <p><u>January 2005</u></p> <p><u>The Contractor compound has a fuel and oil storage area installed. The bulk storage diesel tank and used oil tank are within bunds that would comply with AS1940 requirements. Used oil is placed in the bulk tank (black) for collection by a waste oil contractor.</u></p> <p><u>The 1000L containers of oils, and old batteries, are stored on a concrete pad adjacent to the banded tanks, with inadequate spill control. (see Plate D). 205 litre drums of oils were located around the site and in the workshop in unbanded areas.</u></p>

		 <p><u>Plate C: Fuel storage area Contractors Compound.</u></p>		 <p><u>Plate D: Storage of oils and lubricants on concrete pad without adequate spill control.</u></p>
Waste Rock Emplacements, Tailings Facilities and Water Storage Facilities				
<p>O4.1</p>	<p>The waste rock emplacements areas, and the perimeter waste emplacement must be located on a basal footprint base drainage control zone with an equivalent permeability of 1×10^{-9} metres per second over a thickness minimum slope towards the open pit of 1 metre. In addition, the basal footprints for (vertical):200 (horizontal) and be designed to ensure all seepage from beneath the waste rock emplacement areas and Perimeter Waste Emplacement bund must ensure all seepage from this area the perimeter waste emplacement is directed towards the open pit.</p> <p><u>Variation 21 May 2004</u></p> <p><u>The waste rock emplacement areas and the perimeter waste emplacement must be located on a base drainage control zone with a minimum slope towards the open pit of 1 (vertical):200 (horizontal) and be designed to ensure all seepage from beneath the waste rock emplacement areas and the perimeter waste emplacement is directed towards the open pit.</u></p>		<p>N/A</p>	<p><u>January 2005</u></p> <p><u>The waste rock emplacement areas and testing/design of the emplacements is to occur during 2005. Alan Watson and Associates have been approved to undertake the design and prepare the reports for submission to the DEC (EPA).</u></p>
<p>O4.2</p>	<p>The tailings storage facilities and contained water storage facilities must have a basal barrier or impermeable liner with an equivalent permeability of 1×10^{-9} metres per second over a thickness of 1 metre.</p>	<p><u>Permeability Test Report for Northern Tailings Storage Facility, Dec 2004</u></p>	<p><u>N/A Yes</u></p>	<p><u>January 2005</u></p> <p><u>The results of the permeability testing of the floor of the northern tailings storage facility were conducted and the report prepared by Dr Neil Matte URS (demonstrated expert approved by EPA).</u></p>


Sediment and Erosion Controls Sediment and Erosion Controls				
O5.1	<p>Water captured in the temporary sediment basin located behind the temporary isolation bund must be pumped to a contained contained water storage, other than D1 or D4, and then re-used within the up-catchment diversion system identified in the document titled "Cowal Project Environmental Impact Statement Main Report Fig. 2-17.</p>	 <p>Plate E: Temporary isolation bund seen from the permanent isolation bund - CGP</p>	Noted	<p>January 2005</p> <p><u>The temporary isolation bund and contained water storages D1 and D4 have been constructed. No significant water has been collected within the bund requiring pumping to the contained water storages.</u></p>
O5.2	<p>The licensee must install effective sediment and erosion controls on the premises prior to each act of vegetation removal, earth moving or related activities on the premises that are consistent with the detailed sediment and erosion control plans approved by the EPA under condition E1.</p> <p>Variation 24/8/04</p> <p><u>The licensee must install effective sediment and erosion controls on the premises prior to each act of vegetation removal, earth moving or related activities on the premises that are consistent with the detailed sediment and erosion control plans required by under condition E1.</u></p>	<p>Erosion and Sediment Control Management Plan Oct 2003</p> <ul style="list-style-type: none"> ▪ Letter from EPA re Draft Erosion and Sediment Control Management Plan 25 Sep 2003 ▪ Letter from EPA re Draft Erosion and Sediment Control Management Plan 23 June 2004 ▪ Letter from EPA re Draft Erosion and Sediment Control Management Plan 14 May 2004 ▪ Letter from EPA re Draft Erosion and Sediment Control Management Plan 10 June 2004 ▪ Letter from EPA re Draft Erosion and Sediment Control Management Plan 23 June 2004 ▪ <u>Letter to DEC re ESCMP Process Plant Area 9 Jul 2004</u> ▪ <u>Letter from DEC re ESCMP – Process Plant Area. 2 Aug 2004</u> 	Yes	<p>July 2004</p> <p>Erosion and sediment control plans have been prepared and approved for the following areas:</p> <ul style="list-style-type: none"> ▪ Travelling Stock Reserve Road Construction, Gilbert & Associates, 18 December 2003 ▪ Preliminary Earthworks for Mine Development Works (Isolation Bunds, Northern Tailings Storage Facility, Soil Stockpiles, External Drainage System, Internal Drainage, Mine Access Road, Tailings Service Corridor), URS, 23 April 2004 ▪ Pit Dewatering Works (Dewatering Bores for Open Pit), URS, 23 April 2004 ▪ Contained Water Storage Facilities, URS 10 June 2004 ▪ <u>Approval for commencement of grubbing and topsoil removal Stage 1 in process plant area 2 Aug 2004</u>
Dust Controls				
O6.1	<p>All activities at the premises that are likely to generate dust must be carried out in a manner that minimises the generation of dust.</p>		Noted	
O6.2	<p>For the purposes of O6.1 - all activities include, but are not limited to:</p> <ul style="list-style-type: none"> • Areas disturbed by construction and/or operational activities; 		Yes	<p>July 2004</p> <p>Dust generation from the construction activities is managed using water carts. The construction areas where major earth moving is occurring is dampened</p>


	<ul style="list-style-type: none"> • Areas disturbed by mining activities, including waste emplacement areas and other portions of the mine site exposed to wind; • Waste rock handling and stockpiling activities (including loading and unloading, spreading and shaping waste rock); • Movement of vehicles on unsealed roads for general mining activities; • Topsoil stripping and stockpiling; • Drilling and blasting; and • Crushing, screening, transport and preparation of ore. 	 <p><u>Plate F: Localised dust generation from heavy equipment in the Northern Tailings Storage Facility excavation.</u></p>		<p>on a regular basis. During the site inspection dust generation was controlled with no significant dispersion observed in the area of the pipeline trenching or the temporary bund construction.</p> <p><u>January 2005</u></p> <p><u>The use of water tankers to reduce dust dispersion from the construction activities continued in the Northern Tailings Storage Facility, internal access road and water management structures. The dry conditions resulted in localised dust generation in the areas of heavy equipment use.</u></p>
Offensive Odour				
O7.1	The licensee must not cause or permit the emission of offensive odours from the premises, as identified under Section 129 POEOAct 1997.		Noted	
Monitoring and recording conditions				
M1.1	The results of any monitoring required to be conducted by this licence or a load calculation protocol must be recorded and retained as set out in this condition.	Environmental Management File 5.09 - Monitoring Environmental Management File 5.09	Noted	
M1.2	All records required to be kept by this licence must be: (a) in a legible form, or in a form that can readily be reduced to a legible form; (b) kept for at least 4 years after the monitoring or event to which they relate took place; and (c) produced in a legible form to any authorised officer of the EPA who asks to see them.	Environmental Management File 5.09 - Monitoring Environmental Management File 5.09 EQWin Database	Yes	<u>July 2004</u> Field notes relating to environmental monitoring are entered onto Field Sheets that identify the monitoring point, field conditions, and field measurement results, and these sheets are filed in the Environment Section and relevant data entered into the EQWin Database.
M1.3	The following records must be kept in respect of any samples required to be collected for the purposes of this licence: (a) the date(s) on which the sample was taken; (b) the time(s) at which the sample was collected; (c) the point at which the sample was taken; and (d) the name of the person who collected the sample.	EQWin Database	Yes	The monitoring data collected by Cowal Gold Project to meet the requirements of the EPL is entered into a computerised database (EQWin) and includes all information required by this condition.
Requirement to monitor concentration of pollutants discharged				
M2.1	For each monitoring/discharge point or utilisation area specified (by a point number), the licensee must monitor (by sampling and obtaining results by			Monitoring of locations and for parameters specified in the licence conditions has been implemented where or when water or flow occurs (the drought

	analysis) the concentration of each pollutant specified in Column 1. The licensee must use the sampling method, units of measure, and sample at the frequency, specified opposite in the other columns.			conditions have resulted in Lake Cowal being dry and stormwater runoff from the mining lease area has not occurred).
M2.2	<p>The monitoring requirements specified in M2.1 do not come into effect for point 11 until construction of storage D7.</p> <p>The monitoring requirements specified in M2.1 do not come into effect for point 12 until construction of the storage D1.</p> <p>The monitoring requirements specified in M2.1 do not come into effect for point 13 until construction of the storage D4.</p>		Noted N/A	<p><u>January 2005</u></p> <p><u>Contained water storage ponds D1 and D4 have been constructed. Water quality monitoring will be conducted when water is collected in these structures. Pond D7 has not been constructed at this time.</u></p>
Testing methods - concentration limits				
M3.1	<p>Monitoring for the concentration of a pollutant emitted to the air required to be conducted by this licence must be done in accordance with:</p> <p>(a) any methodology which is required by or under the Act to be used for the testing of the concentration of the pollutant; or</p> <p>(b) if no such requirement is imposed by or under the Act, any methodology which a condition of this licence requires to be used for that testing; or</p> <p>(c) if no such requirement is imposed by or under the Act or by a condition of this licence, any methodology approved in writing by the EPA for the purposes of that testing prior to the testing taking place.</p> <p>Note: The Clean Air (Plant & Equipment) Regulation 1997 requires testing for certain purposes to be conducted in accordance with test methods contained in the publication "Approved Methods for the Sampling and Analysis of Air Pollutants in NSW".</p>		Noted	All analysis for air quality will be carried out by Australian Laboratory Services (ALS), that is NATA registered laboratory for analysis of all the parameters required to be tested by the CGP to meet regulatory requirements.

M3.2	Subject to any express provision to the contrary in this licence, monitoring for the concentration of a pollutant discharged to waters or applied to a utilisation area must be done in accordance with the Approved Methods Publication unless another method has been approved by the EPA in writing before any tests are conducted.		Noted	All analysis of waters will be carried out by Australian Laboratory Services (ALS), that is NATA registered laboratory for analysis of all the parameters required to be tested by the CGP to meet regulatory requirements.
Recording of pollution complaints				
M4.1	The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of the licensee in relation to pollution arising from any activity to which this licence applies.		Yes	July 2004 A complaints register is maintained by Barrick in accordance with the condition and responses to the complainants are also recorded.
M4.2	The record must include details of the following: (a) the date and time of the complaint; (b) the method by which the complaint was made; (c) any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect; (d) the nature of the complaint; (e) the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and (f) if no action was taken by the licensee, the reasons why no action was taken.	Fax to DEC – Incident Report on Dust Complaints, 2 Jul 2004	Yes	July 2004 A complaints register is maintained by Barrick in accordance with the condition M4.1 and responses to the complainants are also recorded.
M4.3	The record of a complaint must be kept for at least 4 years after the complaint was made.		Noted	
M4.4	The record must be produced to any authorised officer of the EPA who asks to see them.		Noted	

Telephone complaints line				
M5.1	The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.		Yes	July 2004 The complaints and concerns telephone line (02 6975 3454) was established on 9 December 2003. The complaints line was advertised on Friday 12 December 2003 and Tuesday 16 December 2003 in the West Wyalong Advocate.
M5.2	The licensee must notify the public of the complaints line telephone number and the fact that it is a complaints line so that the impacted community knows how to make a complaint.		Yes	July 2004 The complaints line was advertised on Friday 12 December 2003 and Tuesday 16 December 2003 in the West Wyalong Advocate.
M5.3	Conditions M5.1 and M5.2 do not apply until 3 months after: (a) the date of the issue of this licence or (b) if this licence is a replacement licence within the meaning of the Protection of the Environment Operations (Savings and Transitional) Regulation 1998, the date on which a copy of the licence was served on the licensee under clause 10 of that regulation.		Yes	
Blasting monitoring				
M7.1	To determine compliance with condition(s) L6.4 and L6.5: (a) Airblast overpressure and ground vibration levels must be measured at BM01 (Point 8), BM02 (Point 9), BM03 (Point 10), BM04 (Point 41) and BM05 (Point 42) identified on Figure 2, Blast Monitoring Locations in report Blast Management Plan, Cowal Gold Project, August 2003 – for all blasts carried out in or on the premises; and (b) Instrumentation used to measure the blast monitoring locations BM01 (Point 8), BM02 (Point 9), BM03 (Point 10), BM04 (Point 41) and BM05 (Point 42) identified on Figure 2, Blast Monitoring Locations in report Blast Management Plan, Cowal Gold Project, August 2003 must meet the requirements of Australian Standard 2187.2 of 1993.		N/A	July 2004 No blasting had occurred during the construction activities at the project site up to the time of the audit. July 2004 No blasting had occurred during the construction activities at the project site up to the time of the audit.
Noise Monitoring				
M8.1	Within 90 days of the commencement of normal operations a compliance test must be carried out by an accredited acoustic consultant indicating the level		N/A	

	<p>of noise emanating from the premises (LA10 T, Laeq T) measured between 10 and 15 minutes (except where specifically indicated) and representative of the noisiest activity on the premises. In the case of operations, the compliance test must cover a minimum of one 24 hour period including day, evening and night measurements with sampling periods each day, evening, or night period. The measurement or computation, unless otherwise specified must be carried out at the worst affected residential boundaries and/or sensitive area in the vicinity of the works. The noise measurements must be undertaken at the sites identified in condition L6.1. The detailed methodology, timing, time of day, atmospheric conditions together with the operating conditions of the plant, equipment or process under which the tests are made must be noted and reported. The results of the tests must be reported to the EPA within 28 days of the testing being completed.</p>			
<p>Requirement to monitor weather</p>				
<p>M9.1</p>	<p>For each monitoring point specified in the table below, the licensee must monitor (by sampling and obtaining results by analysis) the parameters specified in Column 1. The licensee must use the sampling method, units of measure, averaging period and sample at the frequency, specified opposite in the other columns.</p>	<p>Computer system – meteorological database</p>  <p>Plate G – Meteorological Station – Cowal Gold Project</p>	<p>Yes</p>	<p>Meteorological station has been installed west of the Mine Administration compound adjacent to the new TSR alignment and east of the southern tailings emplacement area. The station has:</p> <ul style="list-style-type: none"> • Rainfall gauge for continuous measurement • Wind speed and direction at 10 metres • Temperature measurement at 2 and 10 metres • Solar radiation <p>The meteorological station transmits data to a computer in the Environment Section providing real time measurements at 30 second intervals and averaged results for the past 15 mins. In the event of wind speed greater than 20km/hr an alarm is triggered at the computer terminal. The met data is retained on the computer system.</p> <p>The met station has a temperature measurement at 2m but there is not a probe at 10m as required by the condition.</p> <p>Arrangements for the installation of the 10m temperature probe was reported to have been initiated following the audit.</p>

		 <p>10m temperature probe</p> <p><u>Plate H: 10m temperature probe installed on the Cowal Gold Project meteorological station</u></p>		<p><u>January 2005</u></p> <p><u>The meteorological station had been fitted with a 10m temperature probe in accordance with the requirements of EPL condition M9.1. A security fence has also been erected around the met station compound.</u></p>
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Reporting conditions

Annual return documents

<p>R1.1</p>	<p>What documents must an Annual Return contain?</p> <p>The licensee must complete and supply to the EPA an Annual Return in the approved form comprising:</p> <ul style="list-style-type: none"> (a) a Statement of Compliance; and (b) a Monitoring and Complaints Summary. <p>A copy of the form in which the Annual Return must be supplied to the EPA accompanies this licence. Before the end of each reporting period, the EPA will provide to the licensee a copy of the form that must be completed and returned to the EPA.</p>		<p>N/A</p>	
<p>R1.2</p>	<p>Period covered by Annual Return</p> <p>An Annual Return must be prepared in respect of each reporting period, except as provided below.</p> <p>Note: The term "reporting period" is defined in the dictionary at the end of this licence. Do not complete the Annual Return until after the end of the reporting period.</p>		<p>Noted</p>	
<p>R1.3</p>	<p>Where this licence is transferred from the licensee to a new licensee,</p> <ul style="list-style-type: none"> (a) the transferring licensee must prepare an Annual Return for the period commencing on the first day 		<p>Noted</p>	

	<p>of the reporting period and ending on the date the application for the transfer of the licence to the new licensee is granted; and</p> <p>(b) the new licensee must prepare an Annual Return for the period commencing on the date the application for the transfer of the licence is granted and ending on the last day of the reporting period.</p> <p>Note: An application to transfer a licence must be made in the approved form for this purpose.</p>			
R1.4	<p>Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual Return in respect of the period commencing on the first day of the reporting period and ending on</p> <p>(a) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or</p> <p>(b) in relation to the revocation of the licence - the date from which notice revoking the licence operates.</p>		Noted	
R1.5	<p>Deadline for Annual Return</p> <p>The Annual Return for the reporting period must be supplied to the EPA by registered post not later than 60 days after the end of each reporting period or in the case of a transferring licence not later than 60 days after the date the transfer was granted (the 'due date').</p>		Noted	
R1.7	<p>Licensee must retain copy of Annual Return</p> <p>The licensee must retain a copy of the Annual Return supplied to the EPA for a period of at least 4 years after the Annual Return was due to be supplied to the EPA.</p>		Noted	
R1.8	<p>Certifying of Statement of Compliance and Signing of Monitoring and Complaints Summary</p> <p>Within the Annual Return, the Statement of Compliance must be certified and the Monitoring and Complaints Summary must be signed by:</p> <p>(a) the licence holder; or</p> <p>(b) by a person approved in writing by the EPA to sign on behalf of the licence holder.</p>		Noted	

R1.9	A person who has been given written approval to certify a certificate of compliance under a licence issued under the Pollution Control Act 1970 is taken to be approved for the purpose of this condition until the date of first review of this licence.		Noted	
Notification of environmental harm				
R2.1	Note: The licensee or its employees must notify the EPA of incidents causing or threatening material harm to the environment as soon as practicable after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act. Notifications must be made by telephoning the EPA's Pollution Line service on 131 555.	<ul style="list-style-type: none"> • Incident Report of Minor Diesel Spill 17 March 2004. • Incident Report of Minor Oil Leakage 25 August 2004. 	Yes	July 2004 Notification made to EPA by phone and email re minor diesel spill that occurred on 17 March 2004. January 2005 A minor oil leak from a scraper of 8-10 litres occurred on 25 August 2004. An Incident Report was completed and the DEC notified. The spilled material was absorbed and collected for off-site disposal.
R2.2	The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred.	<ul style="list-style-type: none"> • Letter and Incident Report to DEC 17 March 2004. • Letter to DEC re Incident Report - Oil leakage, 10 Sep 2004. 	Yes	July 2004 Written report of a minor diesel spill provided to the DEC within the 7 day period. January 2005 Written report of a minor diesel spill provided to the DEC.
Written report				
R3.1	Where an authorised officer of the EPA suspects on reasonable grounds that: (a) where this licence applies to premises, an event has occurred at the premises; or (b) where this licence applies to vehicles or mobile plant, an event has occurred in connection with the carrying out of the activities authorised by this licence, and the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies), the authorised officer may request a written report of the event.		Noted	
R3.2	The licensee must make all reasonable inquiries in relation to the event and supply the report to the EPA within such time as may be specified in the request.		Noted	
R3.3	The request may require a report which includes any or all of the following information: (a) the cause, time and duration of the event; (b) the type, volume and concentration of every		Noted	

	<p>pollutant discharged as a result of the event;</p> <p>(c) the name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event; and</p> <p>(d) the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort;</p> <p>(e) action taken by the licensee in relation to the event, including any follow-up contact with any complainants;</p> <p>(f) details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event;</p> <p>(g) any other relevant matters.</p>			
R3.4	The EPA may make a written request for further details in relation to any of the above matters if it is not satisfied with the report provided by the licensee. The licensee must provide such further details to the EPA within the time specified in the request.		Noted	
Reporting of blasting monitoring				
R4.1	The results of the blast monitoring required by condition M7.1 must be submitted to the EPA at the end of each reporting period.		N/A	<u>January 2005</u> <u>No blasting has occurred at the CGP site to this date.</u>
R4.2	The licensee must report any exceedence of the licence blasting limits to the regional office of the EPA as soon as practicable after the exceedence becomes known to the licensee or to one of the licensee's employees or agents.		N/A	<u>January 2005</u> <u>No blasting has occurred at the CGP site to this date.</u>

General conditions				
Copy of licence kept at the premises				
G1.1	A copy of this licence must be kept at the premises to which the licence applies.		Yes	Copies of the licence are kept by the Environmental Officers and in the Environment Section at the mine site offices.
G1.2	The licence must be produced to any authorised officer of the EPA who asks to see it.		Noted	
G1.3	The licence must be available for inspection by any employee or agent of the licensee working at the premises.		Noted	
Special conditions				
E1	<p>The licensee must not commence any earth works prior to receiving written approval from the EPA. Approval may be granted for earth works at a specified part of the premises upon submission of a detailed sediment and erosion control plan for those works. The submitted plans must be endorsed by a demonstrated expert in sediment and erosion control and satisfy the EPA's requirements.</p> <p><u>Variation 24/8/04</u></p> <p><u>Before commencing any works the licensee must prepare detailed sediment and erosion control plans for those works. The plans must be endorsed by a demonstrated expert in sediment and erosion and sediment control.</u></p>	<ul style="list-style-type: none"> • Letter from EPA re Draft Erosion and Sediment Control Management Plan 20 April 2004 • Letter from EPA re Tailings Storage Facilities work approval 20 April 2004 • <u>Letter from DEC (EPA) re Approval of ESCMP, 14 May 2004</u> • <u>Letter from DPI re Approval of ESCMP, 4 Jun 2004</u> • Letter from EPA re Draft Erosion and Sediment Control Management Plan 23 June 2004 • 	Yes	The detailed erosion and sediment control plans for the various stages of the project are being prepared progressively and endorsed by a demonstrated expert prior to submission to the EPA for approval.
E2	<p>The licensee must submit to the EPA, for its written approval, detailed plans/diagrams detailing the construction of the Tailings Storage Facilities, Waste Rock Emplacements Areas, Perimeter Waste Emplacement, Processing Plant and Contained Water Storage Facilities. The plans/diagrams must be endorsed by a suitably qualified engineer. The licensee must not commence construction on a particular structure prior to receiving written approval from the EPA that the submitted plans/diagrams for that structure satisfy EPA's requirements.</p>	<ul style="list-style-type: none"> • <u>Tailings Storage Facility Final Design Report, SNC-Lavalin Australia Ltd, January 2004</u> • Letter to DEC re Tailings Storage Facility, 25 Feb 2004 • Preliminary Earth Works for Mine Development Works, URS, 23 April 2004 • Contained Water Storage Facilities Design URS 10 Jun 2004 • <u>Letter to DEC re Contained Water Storage Facilities D5 and D6, 6 Sep 2004</u> • <u>Letter from DEC re Water Storage Ponds D5 and D6 – approval to commence works, 21 Sep 2004</u> • <u>Letter to DEC re Modification of Design of Contained Water Storage D6, 25 Oct 2004</u> • <u>Letter from DEC re Water Storage Pond D6 –</u> 	Yes	<p><u>July 2004</u></p> <p>The Tailings Storage Facility Final Design Report was submitted to the Dam Safety Committee and the DSC noted receipt of the report. The EPA was satisfied with the groundwater monitoring program with the addition of WAD cyanide to the list of parameters.</p> <p><u>January 2005</u></p> <p><u>Contained Water Storage Facilities D5 and D6 design approved for work commencement by DEC. Modification to D6 design also approved in Oct 2004.</u></p> <p><u>DEC acceptance of suitably qualified engineers obtained for Dr Neill Mattes and Dr Fabio Carosone of URS in Aug 2004, and Alan Watson and Ralph Holding of Alan Watson and Associates in Dec 2004.</u></p>

		<p>approval to commence works, 1 Nov 2004</p> <ul style="list-style-type: none"> • Letter to DEC re Waste Rock Emplacement – approval of suitably qualified engineers, 16 Dec 2004 • Letter from DEC – Acceptance of Engineers, 30 Dec 2004 		
E3	<p>Prior to operational use of the structures listed in Condition O4.2 the licensee must provide reports demonstrating compliance with the level of permeability specified in Condition O4.2. The testing and reports must be carried out by a demonstrated expert who must be approved in writing by the EPA prior to conducting any testing.</p>	<ul style="list-style-type: none"> ▪ Letter to DEC re Permeability Test Report for Northern Tailings Storage Facility, 1 Dec 2004 	N/A/Yes	<p>January 2005</p> <p>A permeability test report on the Northern Tailings Storage Facility was prepared by Dr Neil Matte URS and submitted to DEC in Dec 2005.</p>
E4	<p>The licensee must submit a Noise Management Plan, prepared in accordance with the NSW Industrial Noise Policy, within 6 months of the issue of this licence, for activities undertaken 6 months beyond the commencement of construction.</p> <p>Note: Noise Limit and Noise Monitoring conditions will change subject to details in the Noise Management Plan October 2003 when submitted to the EPA as required by this condition.</p>	<p>Noise Management Plan Oct 2003</p> <p>Letter from EPA re Draft Noise Management Plan 7 Nov 2003</p> <p>Letter to DEC re Noise Management Plan, 1 Oct 2004</p> <p>Letter from DEC re Noise Management Plan, 11 Oct 2004</p>	Yes	<p>January 2005</p> <p>The Noise Management Plan consultation with DEC meets the requirements of MCoA 6.4(b) and 8.4(a). DEC advised that the EPL will be varied by Notice to remove condition E4.</p>
E5	<p>The licensee must prepare and submit a report regarding the interaction of fauna with the Tailings Storage Facilities, prepared by a suitably qualified person approved in writing by the EPA within 6 months of the issue of this licence. The report must include, but need not be limited to the following:</p> <ol style="list-style-type: none"> 1) a detailed strategy that utilises the best available technology and practises for monitoring fauna deaths caused by cyanosis; 2) a detailed strategy that identifies methods to deter fauna visitation of the tailings storage facilities. <p>Variation 24/8/04</p> <p>The licensee must prepare and submit, to the Regional Manager Southern Tablelands, an Implementation Plan (the Plan) to protect fauna from interaction with the Tailings storage Facilities. The Plan must be submitted by 1 March 2005.</p>	<p>Report on the Interaction of Fauna with the Tailings Storage Facilities, Donato Environmental Services, June 2004</p>	Yes	<p>July 2004</p> <p>The Report prepared by Donato on the potential interaction of fauna with the tailings storage areas provides an outline of the strategies to deter fauna visitation to the tailings storage facilities and management strategies that are to be considered in the design planning for the storages.</p> <p>January 2005</p> <p>The DEC accepted the Report on Interaction of Fauna with the Storage Tailings Facilities and required the preparation of an implementation plan for the strategies outlined in the report.</p> <p>The EPL condition E5 was varied to include this request. The Implementation Plan is being prepared and will be submitted to the DEC in March 2005.</p>
E5.1	<p>Variation 24/8/04</p> <p>The Plan must be based on the previously approved</p>		Noted	<p>January 2005</p> <p>The Implementation Plan to protect fauna from</p>

	<p><u>“Report on the Interaction of Fauna with the Tailings Storage Facilities”. The Plan must include, but not be limited to the following:</u></p> <ol style="list-style-type: none"> <u>1) Actions to apply best available technology and practices for monitoring fauna visitation of Tailings Storage Facilities;</u> <u>2) Actions to apply best available technology and practices for monitoring fauna deaths caused by cyanosis;</u> <u>3) Actions to deter fauna visitation to the Tailings Storage Facilities.</u> 			<p><u>interaction with the tailings storage facilities is currently being prepared and is due for submission to the DEC in March 2005.</u></p>
E5.2	<p><u>Variation 24/8/04</u> <u>The Plan must be approved in writing by the EPA before operational use of the Tailings Storage Facilities.</u></p>		N/A	<p><u>January 2004</u> <u>The Plan is due for submission prior to 1 March 2005.</u></p>

APPENDIX C MINING LEASE CONDITIONS

Appendix C Mining Lease 1535

No.	ML 1535 Condition	Audit Evidence	Compliance	Comments
1	Notice to Landholders			
	The lease holder must serve on each landholder of the land a notice in writing indicating that this lease has been granted/renewed and whether the lease includes the surface.		Not applicable	July 2004 Barrick is the registered proprietor of the majority of the land on which the mining lease is located.
4	Working Equipment			
	The lease holder must ensure that at least 135 competent people are efficiently employed on the lease area.....OR Expend on operations carried out on the lease in the course of prospecting or mining an amount of not less than \$2,400,000 during each year of the term of this lease.		Yes	July 2004 Barrick has spent more than \$2,400,000 during the year 13 June 2003 and 13 June 2004.
6	Reports			
	The lease holder shall provide within a period of 28 days after each anniversary of the date this lease has effect a progress report to the satisfaction of the Director-General.....		N/A	July 2004 First progress report is due to be submitted to the DMR in July 2005.
11	Safety			
	Operations are to be carried out in a manner that ensures safety of persons or stock in the vicinity of the operations.....		Yes	July 2004 Safety of construction activities is being observed with protective fences around areas of excavation and the mine lease boundary has been fenced to restrict entry of persons and stock.
12	Rehabilitation			
	Land disturbed must be rehabilitated to a stable and permanent form suitable for a subsequent land use acceptable to the Director-General and in accordance with the Mining Operations Plan.....	Initial Mining Operations Plan – Cowal Gold Project March 2004 Land management Plan Oct 2003	N/A	July 2004 No rehabilitation has yet been undertaken within the mining lease area. Rehabilitation of the TSR and new road alignment has been completed. January 2005 Initial rehabilitation has been conducted on the temporary and permanent bund areas.

13	The lease holder must comply with any direction given by the Director-General regarding the stabilisation and revegetation of any mine residues, tailing or overburden dumps situated on the lease area.		N/A	
14	Prevention of Soil Erosion and Pollution			
	Operations must be carried out in a manner that does not cause or aggravate air pollution, water pollution (including sedimentation) or soil contamination or erosion unless otherwise authorised by a relevant approval and in accordance with the Mining Operations Plan.....	<p>Initial Mining Operations Plan – Cowal Gold Project March 2004</p> <p>Erosion and Sediment Control Management Plan Sep 2003</p> <p>Dust Management Plan Sep 2003</p> <p>Letter to DPI Seeking Approval of ESCMP - Process Plant Area Earthworks, 27 Jul 2004</p> <p>Letter from DPI re Approval of ESCMP - Process Plant Area Earthworks, 27 Jul 2004.</p> <p>Letter to DPI re Authorization for cover crop for Catchment Diversion System and Permanent Catchment Divide species, 25 Aug 2004.</p> <p>Letter from DPI - Concurrence with proposed revegetation species, 9 Sep 2004</p>	Yes	<p>July 2004</p> <p>Specific Erosion and Sediment Control Management Plans are prepared for each stage of the construction works and submitted to EPA and DLWC for approval prior to commencement of that stage of the works.</p> <p>January 2005</p> <p>The construction activities undertaken at the CGP have been in accordance with the approved erosion and sediment control plans submitted to the DPI and DEC.</p>
15	Transmission lines, Communication lines and Pipelines			
	Operations must not interfere with or impair the stability or efficiency of any transmission line, communications line or pipeline or other utility on the area		Yes	<p>July 2004</p> <p>Relocation of Telstra cables and power lines within the ML boundary occurred during construction in the 1st quarter of 2004.</p>
16	Fences and gates			
	(a) Activities on the lease must not interfere with or damage fences without the prior written approval of the owner		Not applicable	Barrick is the registered proprietor of the land on which the mining lease is located.

17	Roads			
	<p>(a) Operations must not effect<u>affect</u> any road unless in accordance with an accepted Mining Operations plan or with the prior approval of the Director-General.....</p> <p>(b) The lease holder must pay the local council, DLWC or the RTA the cost incurred in fixing any damage to roads caused by the operations carried out under this lease.....</p>		Yes	<p><u>July 2004</u></p> <p>Barrick are working the Bland Shire Council on relation to construction of the access road to the mine and up keep on the existing roads to the mine lease area from West Wyalong.</p> <p><u>January 2005</u></p> <p><u>The external mine access road is being constructed by the BSC and is planned for completion by the 3rd quarter 2005.</u></p>
18	Access tracks must be kept to a minimum and be positioned so that they do not cause any unnecessary damage to the land.....		Yes	Access tracks within the mining lease area are designed within the mine plan development and any temporary access tracks will be rehabilitated when they are no longer required.
19	Trees and Timber			
	(c) The lease holder must not cut, destroy, ringbark or remove any timber or other vegetative cover on the lease except such as directly obstructs or prevents the carrying out of operations.....	Vegetation Clearance Protocol	Yes	Barrick is retaining any trees within the mining lease not in the path of the project development. Approval to remove any trees or vegetative cover within the mining lease area must be obtained from the Environmental Manager prior to removal.
23	Security			
	(a) Securities as indicated below must be lodged with the Minister by the lease holder for the purpose of ensuring the fulfilment by the lease holder of the obligations under this lease.....	Security Certificate No. 5034063002, Citigroup	Yes	An initial \$25,000 was deposited on approval of the ML on 13 June 2003 and the remainder of the security deposit of \$11,750,000 as specified in the Mine Lease, was lodged by BDW for Barrick in March 2004.

24	Mine Safety Plan			
	Prior to commencement of any construction activities on the lease area and as required by the Director-General the lease holder must prepare a Mine Safety Plan to ensure the Mine Safety General Rule 2000 is adhered to.	Mine Safety Plan	Yes	
25	Mining Rehabilitation, Environmental Management Process (MREMP) Mining Operations Plan (MOP)	Meeting Agenda 31 March 2004 Annual Environmental Management Report Meeting	<u>Yes</u>	A meeting was held with of the Mining, Rehabilitation and Environmental Management Process Committee (MREMP) on 31 March 2004 to discuss the Annual Environmental Management Report. The participants included DMR, EPA, DLWC, Councils, Dam Safety Committee and National Parks and Lands representatives.
	(1) Mining operations, including mining purposes, must be conducted in accordance with the MOP satisfactory to the Director-General.....		N/A	<u>The Mining Operations Plan is currently being prepared for submission to DPI prior to commencement of mining.</u>
	(9) An Initial Mining Operations Plan must be submitted prior to commencement of construction on the site	Initial Mining Operations Plan Cowal Gold Project Mar 2004	Yes	
26	Annual Environmental Management Report (AEMR)			
	(1) Within 12 of the commencement of mining operations and thereafter annually the lease holder must lodge an AEMR with the Director-General.	Meeting Agenda 31 March 2004 Annual Environmental Management Report Meeting	N/A	A meeting was held with of the Mining, Rehabilitation and Environmental Management Process Committee (MREMP) on 31 March 2004 to discuss the Annual Environmental Management Report.

APPENDIX D BORE LICENCE CERTIFICATES

**Appendix D
Groundwater Bore Licence Certificates – Cowal Gold Project**

Licence Cert. No.	Lot	DP	Parish	County	Barrick Ref	Bore Purpose
70BL228907	Lot 23	753097	Lake	Gipps	Lot 23 Bore	Mining
70BL229248	Road East Lot 91	753077	Cadalgulee	Gipps	Bore A*	Mining - Production
70BL229249	Road North Lot 105	753077	Cadalgulee	Gipps	Bore B*	Mining - Production
70BL229250	TSR 84719 (7002 ref)	753077	Cadalgulee	Gipps	Bore C*	Mining - Production
70BL229251	Road adj Lot 55	753089	Gibrigal	Gipps	Bore D*	Mining - Production
70BL229727	Lot 7	753083	Corringle	Gipps	North TSF	Test
70BL230301	Lot 7	753083	Corringle	Gipps	TSFNB	Test
70BL230302	Lot 7	753083	Corringle	Gipps	TSFNC	Test
70BL229746	Lot 2	530299	Lake	Gipps	PDB1 A	Test
70BL230065/ 70BL230306	Lot 2	530299	Lake	Gipps	PDB1B	Test
70BL230063/ 70BL230307	Lot 2	530299	Lake	Gipps	PDB1C	Test
70BL229655	Former Game Reserve		Lake	Gipps	PDB2 A	Test
70BL229756	Lot 23	753097	Lake	Gipps	PDB3 A	Test
70BL230304	Lot 23	753097	Lake	Gipps	PDB3B	Test
70BL229759	Lot 23	753097	Lake	Gipps	PDB4 A	Test
70BL230062/ 70BL230303	Lot 23	753097	Lake	Gipps	PDB4B	Test
70BL229747	Lot 24	753097	Lake	Gipps	PDB5 A	Test
70BL230305	Lot 24	753097	Lake	Gipps	PDB5B	Test
70BL230299	Lot 7	753083	Corringle	Gipps	Mon-001A	Test
70BL230300	Lot 7	753083	Corringle	Gipps	Mon-001B	Test
70BL230308	Lot 107	1059150	Corringle	Gipps	Mon-002A	Test
70BL230309	Lot 107	1059150	Corringle	Gipps	Mon-002B	Test
70BL230110	Former Game Reserve		Lake	Gipps	1	Pit Test
70BL230116	Lot 23	753097	Lake	Gipps	2	Pit Test
70BL230117	Lot 23	753097	Lake	Gipps	3	Pit Test
70BL230118	Lot 23	753097	Lake	Gipps	4	Pit Test
70BL230119	Lot 23	753097	Lake	Gipps	5	Pit Test
70BL230115	Lot 23	753097	Lake	Gipps	6	Pit Test
70BL230097	Lot 24	753097	Lake	Gipps	7	Pit Test
70BL230095	Lot 24	753097	Lake	Gipps	8	Pit Test
70BL230093	Lot 24	753097	Lake	Gipps	9	Pit Test
70BL230092	Lot 24	753097	Lake	Gipps	10	Pit Test
70BL230091	Lot 24	753097	Lake	Gipps	11	Pit Test
70BL230100	Lot 24	753097	Lake	Gipps	12	Pit Test
70BL230099	Lot 24	753097	Lake	Gipps	13	Pit Test

Licence Cert. No.	Lot	DP	Parish	County	Barrick Ref	Bore Purpose
70BL230096	Lot 24	753097	Lake	Gipps	14	Pit Test
70BL230105	Lot 23	753097	Lake	Gipps	15	Pit Test
70BL230103	Lot 23	753097	Lake	Gipps	16	Pit Test
70BL230098	Lot 23	753097	Lake	Gipps	17	Pit Test
70BL230109	Lot 23	753097	Lake	Gipps	18	Pit Test
70BL230101	Closed TSR 17085		Lake	Gipps	19	Pit Test
70BL230102	Closed TSR 17085		Lake	Gipps	20	Pit Test
70BL230104	Closed TSR 17085		Lake	Gipps	21	Pit Test
70BL230108	Former Game Reserve		Lake	Gipps	22	Pit Test
70BL230106	Former Game Reserve		Lake	Gipps	23	Pit Test
70BL230113	Former Game Reserve		Lake	Gipps	24	Pit Test
70BL230111	Lot 23	753097	Lake	Gipps	25	Pit Test
70BL230112	Lot 23	753097	Lake	Gipps	26	Pit Test
70BL230114	Lot 23	753097	Lake	Gipps	27	Pit Test
70BL230094	Lot 24	753097	Lake	Gipps	28	Pit Test
70BL230090	Lot 24	753097	Lake	Gipps	29	Pit Test
70BL230107	Lot 23	753097	Lake	Gipps	30	Pit Test
70BL230225	Closed TSR 17085		Lake	Gipps	1	Pit Dewatering
70BL230234	Lot 23	753097	Lake	Gipps	2	Pit Dewatering
70BL230229	Lot 23	753097	Lake	Gipps	3	Pit Dewatering
70BL230230	Lot 23	753097	Lake	Gipps	4	Pit Dewatering
70BL230231	Lot 23	753097	Lake	Gipps	5	Pit Dewatering
70BL230219	Lot 23	753097	Lake	Gipps	6	Pit Dewatering
70BL230232	Lot 24	753097	Lake	Gipps	7	Pit Dewatering
70BL230233	Lot 24	753097	Lake	Gipps	8	Pit Dewatering
70BL230211	Lot 24	753097	Lake	Gipps	9	Pit Dewatering
70BL230212	Lot 24	753097	Lake	Gipps	10	Pit Dewatering
70BL230213	Lot 24	753097	Lake	Gipps	11	Pit Dewatering
70BL230214	Lot 24	753097	Lake	Gipps	12	Pit Dewatering
70BL230215	Lot 24	753097	Lake	Gipps	13	Pit Dewatering
70BL230216	Lot 24	753097	Lake	Gipps	14	Pit Dewatering
70BL230220	Lot 23	753097	Lake	Gipps	15	Pit Dewatering
70BL230221	Lot 23	753097	Lake	Gipps	16	Pit Dewatering
70BL230222	Lot 23	753097	Lake	Gipps	17	Pit Dewatering
70BL230206	Lot 23	753097	Lake	Gipps	18	Pit Dewatering
70BL230224	Closed TSR 17085		Lake	Gipps	19	Pit Dewatering
70BL230223	Closed TSR 17085		Lake	Gipps	20	Pit Dewatering

Licence Cert. No.	Lot	DP	Parish	County	Barrick Ref	Bore Purpose
70BL230226	Crown Land North of Lot 23 (Former Game Reserve)		Lake	Gipps	21	Pit Dewatering
70BL230227	Crown Land North of Lot 23 (Former Game Reserve)		Lake	Gipps	22	Pit Dewatering
70BL230228	Crown Land North of Lot 23 (Former Game Reserve)		Lake	Gipps	23	Pit Dewatering
70BL230205	Crown Land North of Lot 23 (Former Game Reserve)		Lake	Gipps	24	Pit Dewatering
70BL230207	Lot 23	753097	Lake	Gipps	25	Pit Dewatering
70BL230208	Lot 23	753097	Lake	Gipps	26	Pit Dewatering
70BL230209	Lot 23	753097	Lake	Gipps	27	Pit Dewatering
70BL230217	Lot 24	753097	Lake	Gipps	28	Pit Dewatering
70BL230218	Lot 24	753097	Lake	Gipps	29	Pit Dewatering
70BL230210	Lot 23	753097	Lake	Gipps	30	Pit Dewatering
70BL230374	Lot 2	530299	Lake	Gipps	PBP1	Test
70BL230381	Lot 23	753097	Lake	Gipps	PBP2	Test
70BL230375	Lot 23	753097	Lake	Gipps	PBP3	Test
70BL230376	Lot 24	753097	Lake	Gipps	PBP5	Test
70BL230377	Lot 24	753097	Lake	Gipps	PBP4	Test
70BL230378	Lot 105	1059150	Corringle	Gipps	P555C	Test
70BL230379	Lot 104	1059150	Corringle	Gipps	P558A	Test
70BL230380	Lot 7	753083	Corringle	Gipps	P412C	Test
70BL230383	Lot 104	1059150	Corringle	Gipps	P558B	Test
70BL230384	Lot 105	1059150	Corringle	Gipps	P555D	Test
70BL226125	Lot 11	753083	Corringle	Gipps	P418A	Potential operation monitoring bore
70BL226125	Lot 11	753083	Corringle	Gipps	P418B	Potential operation monitoring bore
70BL226125	Lot 12	753083	Corringle	Gipps	P410A	Level
70BL226125	Lot 12	753083	Corringle	Gipps	P410B	Level
70BL226125	Lot 3	753083	Corringle	Gipps	P413A	Level
70BL226125	Lot 3	753083	Corringle	Gipps	P413B	Level
70BL226125	Lot 3	753083	Corringle	Gipps	P414A	Potential operation monitoring bore
70BL226125	Lot 3	753083	Corringle	Gipps	P414B	Potential operation monitoring bore
70BL226125	Lot 3	753083	Corringle	Gipps	P416A	Potential operation monitoring bore
70BL226125	Lot 3	753083	Corringle	Gipps	P416B	Potential operation monitoring bore
70BL229726	Lot 23	753097	Lake	Gipps	P415A Old Licence 70BL226125 was for Lot 3 DP753097	Quality

Licence Cert. No.	Lot	DP	Parish	County	Barrick Ref	Bore Purpose
70BL229725	Lot 23	753097	Lake	Gipps	P415B Old Licence 70BL226125 was for Lot 3 DP753097	Quality
70BL226125	Lot 7	753083	Corringle	Gipps	P411A	Level
70BL226125	Lot 7	753083	Corringle	Gipps	P411B	Level
70BL226125	Lot 7	753083	Corringle	Gipps	P412A	Potential operation monitoring bore
70BL226125	Lot 7	753083	Corringle	Gipps	P412B	Potential operation monitoring bore
70BL226558	Lot 12	753083	Corringle	Gipps	P561A	Level
70BL226558	Lot 12	753083	Corringle	Gipps	P561B	Level
70BL226558	Lot 12	753083	Corringle	Gipps	P560A	Level
70BL226558	Lot 12	753083	Corringle	Gipps	P560B	Level
70BL229640	Closed Road Within Lot 44	753083	Corringle	Gipps	P554A Old Licence 70BL226558 Lot 22	Level
70BL229639	Closed Road Within Lot 44	753083	Corringle	Gipps	P554B Old Licence 70BL226558 Lot 22	Level
70BL226558	Lot 3	753083	Corringle	Gipps	P555A	Level
70BL226558	Lot 3	753083	Corringle	Gipps	P555B	Level
70BL226558	Lot 9	753083	Corringle	Gipps	P557A	Level
70BL226558	Lot 9	753083	Corringle	Gipps	P557B	Level
70BL226558	Lot 9	753083	Corringle	Gipps	P559	Level
70BL226558	Lot 9	753083	Corringle	Gipps	P556A	Level
70BL226558	Lot 9	753083	Corringle	Gipps	P556B	Level
70BL226558	Lot 9	753083	Corringle	Gipps	P558	Level
70BL229654	Closed TSR 17085 (7001 ref)		Lake	Gipps	D323	Quality
70BL229642	Closed TSR 17085 (7001 ref)	1029713	Lake	Gipps	P321	Quality
70BL229643	Closed TSR 17085 (7001 ref)	1029713	Lake	Gipps	P318	Level
70BL229644	Closed TSR 17085 (7001 ref)	1029713	Lake	Gipps	P322	Level
70BL229645	Closed TSR 17085 (7001 ref)	1029713	Lake	Gipps	P330	Level
70BL229646	Closed TSR 17085 (7001 ref)	1029713	Lake	Gipps	P320	Quality
70BL229641	Closed TSR 17085 (7001 ref)	1029713	Lake	Gipps	P331	Quality
70BL229757	Lot 23	753097	Lake	Gipps	D325	Level
70BL229758	Lot 23	753097	Lake	Gipps	D326	Level
70BL229748	Lot 23	753097	Lake	Gipps	RA341	Level
70BL229749	Lot 23	753097	Lake	Gipps	RA342	Level
70BL229750	Lot 23	753097	Lake	Gipps	RA344	Level
70BL229752	Lot 23	753097	Lake	Gipps	RA347	Level
70BL229753	Lot 23	753097	Lake	Gipps	RA348	Level

Licence Cert. No.	Lot	DP	Parish	County	Barrick Ref	Bore Purpose
70BL229754	Lot 23	753097	Lake	Gipps	RA349	Level
70BL229755	Lot 23	753097	Lake	Gipps	RA350	Level
70BL229751	Lot 23	753097	Lake	Gipps	RA346	Quality
70BL229637	On Road Reserve inside Lot 44	753083	Corringle	Gipps	P417A Old Licence 70BL226125 Lot 3	Potential operation monitoring bore
70BL229638	On Road Reserve inside Lot 44	753083	Corringle	Gipps	P417B Old Licence 70BL226125 Lot 3	Potential operation monitoring bore
70BL229648	TSR84719 (7002 ref)	753077	Cadalgulee	Gipps	BLRP 1	Quality
70BL229647	TSR84719 (7002 ref)	753077	Cadalgulee	Gipps	BLRP 2	Quality
70BL229649	Rd Res. Adj Lot 12	753089	Gibrigal	Gipps	BLRP 3 Old Licence 70BL226031 Lot 12	Level
70BL229651	Rd Res. Adj Lot 55	753089	Gibrigal	Gipps	BLRP 4 Old Licence 70BL226031 Lot 55	Level
70BL229653	Rd Res. Adj Lot 68	753077	Cadalgulee	Gipps	BLRP 5 Old Licence 70BL226031 Lot 104	Level
70BL229652	Rd Res. Adj Lot 66	753077	Cadalgulee	Gipps	BLRP 6 Old Licence LB226031 Lot 66	Quality
70BL229650	Rd Res. Adj Lot 18	753129	Cadalgulee	Gipps	BLRP 7 Old Licence 70BL226031 Lot 105	Quality



Cowal Gold Mine Independent Environmental Audit

27 August 2004

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This document was prepared for the sole use of Barrick Australia Pty Limited and the regulatory agencies that are directly involved in this project, the only intended beneficiaries of our work. No other party should rely on the information contained herein without the prior written consent of Trevor Brown & Associates.

By

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EXECUTIVE SUMMARY

An independent environmental audit of the mining and infrastructure areas of the Cowal Gold Project development was conducted between the 28 June and 2 July 2004 by Trevor Brown and Robert Drury of Trevor Brown & Associates to assess the status of the development activities of the first six (6) months of the project establishment, in accordance with the Minister's Conditions of Approval No. 8.8.

The compliance audit was conducted in accordance with the Australian/New Zealand Standards AS/NZS ISO 14010:1996 - Guidelines and General Principles for Environmental Auditing; and AS/NZS ISO 14011:1996 – Procedures for Environmental Auditing.

The construction activities associated with the Cowal Gold Project commenced in January 2004 following preparation and approval of the required environmental management plans in accordance with the Minister's Conditions of Consent. The Independent Environmental Audit reviewed the available documentation in relation to the requirements of the MCoA and the other licenses and approvals granted for the project.

The construction activities during the first six (6) months involved establishment of temporary facilities for the mine administration and infrastructure, with the commencement of major earthworks related for the temporary isolation bund and laying of the pipeline from the production bores to the mine occurring in the 2nd quarter.

The documentation held by Barrick at the Cowal Gold Project site was provided to the auditors in an efficient manner and made the verification of compliance with the conditions of approval and other statutory approvals a straight forward exercise.

The documentation, reporting and activities at the Cowal Gold Project for the first six months of construction demonstrate a high degree of compliance with the conditions attached to the approvals granted to Barrick for the project.

1. INTRODUCTION

1.1 Background

The development consent granted for the Cowal Gold Mine included the requirement for an independent third party audit of compliance to be conducted during construction in accordance Condition 8.8 Third Party Monitoring/Auditing:

- (a) *An Independent Environmental Audit shall be completed: six monthly during construction;*

The Applicant shall conduct an environmental audit of the mining and infrastructure areas of the development in accordance with ISO 14010 - Guidelines and General Principles for Environmental Auditing, and ISO 14011 - Procedures for Environmental Auditing (or the current versions), and in accordance with any specifications required by the Director-General. Copies of the report shall be submitted by the Applicant to the Director-General, BSC, EPA, DLWC, DMR, NPWS and CEMCC within two weeks of the report's completion for comment.

(i) *The audit shall: assess compliance with the requirements of this consent, licences and approvals; in the event of any non-compliance, report on the effectiveness of the environmental management of the mine as it may relate to the area of non-compliance; be carried out at the Applicant's expense; and be conducted by a duly qualified independent person or team approved by the Director-General in consultation with BSC and CEMCC.*

(ii) *The Director-General may, after considering any submission made by the relevant government agencies, BSC and CEMCC on the report, notify the Applicant of any requirements with regard to any recommendations in the report. The Applicant shall comply with those reasonable requirements within such time as the Director-General may require.*

This independent environmental audit of the mining and infrastructure areas of the development was conducted between the 28 June and 2 July 2004 by Trevor Brown and Robert Drury of Trevor Brown & Associates to assess the status of the development activities of the first six (6) months of the project establishment.

1.2 Scope of Work

The compliance audit was conducted in accordance with the Australian/New Zealand Standards:

AS/NZS ISO 14010:1996 - Guidelines and General Principles for Environmental Auditing; and AS/NZS ISO 14011:1996 – Procedures for Environmental Auditing.

The scope of work for the compliance audit of the Cowal Gold Mine included the following components:

- review of the implementation of the requirements of the development consent conditions, licences and approvals for the project;
- conduct of a site inspection and review of on-site documentation and monitoring data relevant to the compliance audit;
- discussions with project staff in relation to the development consent conditions and construction of the project;
- assessment of compliance of the project with the development consent conditions;
- preparation of this Compliance Audit Report providing assessment of compliance against each consent condition.

1.3 Structure of the Audit Report

The report has been prepared to provide comment on each condition of approval in a tabulated form, with additional discussion where required on specific matters. The tabulated comments are attached as appendices for the MCoA and EPL, with discussion of the status of other approvals provided where relevant for the first 6 months of the project establishment:

Section 1	Introduction
Section 2	Cowal Gold Project Status – June 2004
Section 3	Ministers Conditions of Approval
Section 4	Other Approvals
Section 5	Discussion and Conclusion
Appendix A	Ministers Conditions of Approval Table
Appendix B	Environmental Protection Licence Conditions Table
Appendix C	Mining Lease No. 1535 Table
Appendix D	Bore Licence Certificates – Cowal Gold Project

Glossary

1.4 Compliance Tables

The status of compliance of the Cowal Gold Project with the conditions of approval have been expressed in the audit tables using the following terminology:

Compliance - Yes	Implies compliance with the intent and/or requirement of the approval condition.
Compliance - NO	The specific requirement of the consent condition was not met.
Substantial Compliance	The intent of the consent condition has been met for the majority of the time, with some incidents where full compliance did not occur (eg. where monitoring results exhibit non-compliance for less than 5% of the total results for blast overpressure).
In progress	Construction activities have commenced and requirements of the MCoA are being implemented.
Not Activated	The condition had not been activated because the activity had not yet commenced, or the requirement of the condition had not been triggered (e.g. complaint driven monitoring, land acquisition, etc).
Not Applicable	The condition is not required to be actioned because of specific circumstance (e.g. notification of land owners when Barrick owns the land).
Noted	No specific auditable requirement applicable to the condition.

2 PROJECT STATUS – 30 JUNE 2004

The construction activities associated with the Cowal Gold Project commenced in January 2004 following preparation and approval of the required environmental management plans in accordance with the Minister's Conditions of Consent and Barrick obtaining the relevant approvals, permits, consents and licenses for the construction activities.

The general layout for the mine infrastructure and facilities is in accordance with the requirements of MCoA 1.1:

“The development is to be carried out generally in accordance with the EIS dated 13 March 1998, including the Statement of Intent by North Gold (WA) Ltd, and prepared by Resource Strategies certified in accordance with Section 77(3) of the Act, and all other relevant documentation, including the Applicant's primary submission, and submission in reply to the Commission of Inquiry, as may be modified by the conditions set out herein.”

The construction activities during the first six (6) months have involved establishment of temporary facilities for the mine administration and infrastructure installation, with the commencement of major earthworks related for the temporary isolation bund and laying of the pipeline from the production bores to the mine occurring in the 2nd quarter.

The status of the activities following the first 6 months of construction was:

1st Quarter 2004

New road within the Travelling Stock Route (TSR) and TSR establishment completed.
Fencing of the mining lease boundary and TSR completed.
Four (4) bores installed in the Bland Creek Paeleochannel.
Fire breaks constructed across the mining lease.
Relocation of Telstra cables.
Relocation of power lines within the ML boundary.

2nd Quarter 2004

Meteorological station relocation to a permanent site.
Installation of the level crossing for the mine access road.
Removal of farm buildings impacted by mine infrastructure development.
Protective fences installed around high value heritage items on the mining lease.
Water supply pipeline to the mine from the production bores was completed across Lake Cowal in June 2004.
Temporary isolation bund started in mid-June 2004.
Construction of D1 and D4 water storage facilities started in late June.
Commencement of catchment drainage works.

The project layout and location of the major activities undertaken in the 1st and 2nd quarter 2004 are shown in Figure 1.

Plate 1: TSR and new road June 2004.



Plate 2: Heritage building – shearing shed and yards



Plate 3: Heritage building with protective fencing

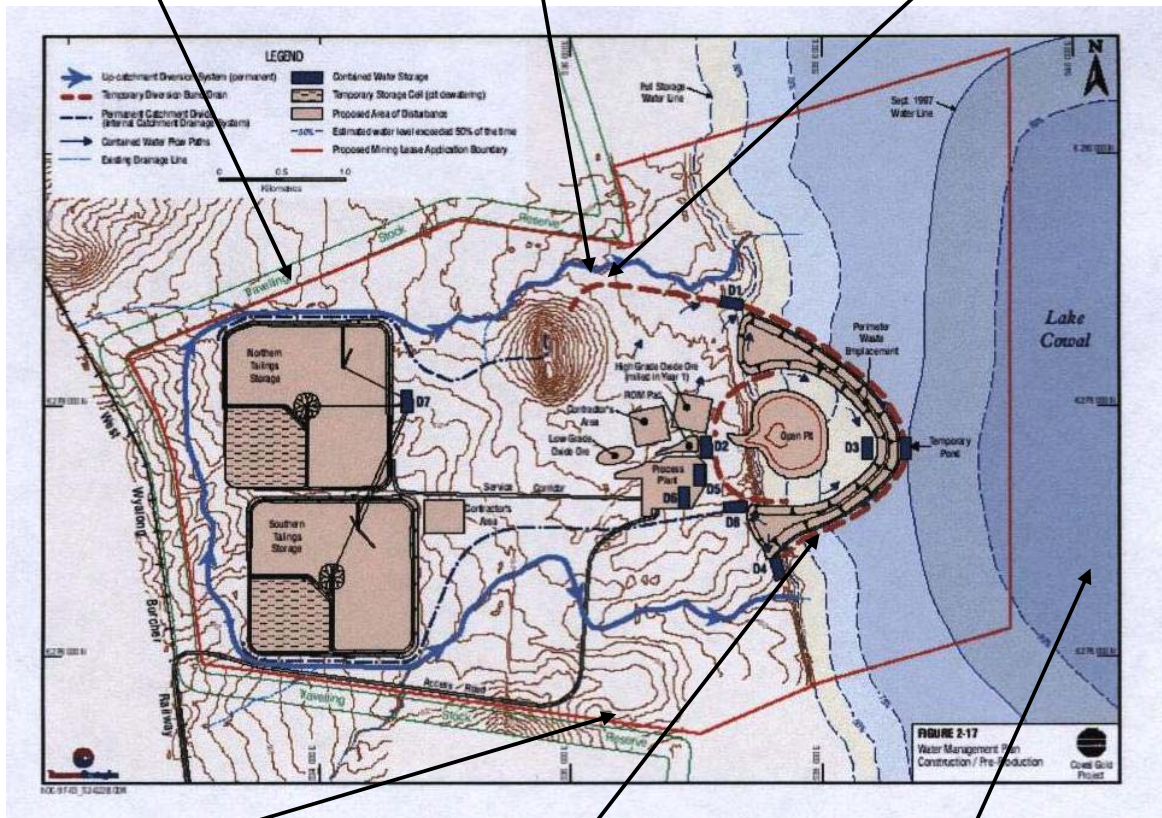


Plate 4: Meteorological Station.



Plate 5: Commencement of Temporary Isolation Bund.



Plate 6: Pipeline trench across Lake Cowal.

3. MINISTER'S CONDITIONS OF APPROVAL

The Minister's Conditions of Approval for the Cowal Gold Mine Project granted on 26 February 1999 includes general requirements in relation to the overall development of the project and specific requirements for the management of potential issues where the legislative and administrative responsibilities are shared with other agencies (e.g. Department of Mineral Resources, Department of Environment and Conservation, local Councils, etc).

The original development consent has been modified on two occasions – 11 August 2003 (addition and amendments to conditions) and 22 December 2003 (deletion of condition 3.3(b)). A further application under section 96(1A) was made to the Minister of Planning on the 22 June 2004 to modify conditions 1.1 and 3.3 of the Development Consent.

This Independent Environmental Audit reviewed the available documentation in relation to the requirements of the MCoA and the other licenses and approvals granted for the project.

Where an authority other than Department of Infrastructure, Planning and Natural Resources had administrative responsibility for the requirements of the condition(s) or other approvals, the compliance status was determined by reviewing correspondence and consultation undertaken by Barrick to meet the requirement of the conditions of approval.

As this independent environmental audit was conducted for the first 6 months of construction activities for the Cowal Gold Project, a number of the approval conditions had not been activated. Where this is the case no comment is provided and the status of these conditions will be assessed and audited in later audits of the construction and/or operational activities.

3.1 Management Plans

Comments on the conditions related to each of the management plans are included under each specific condition in the Development Consent and Environmental Protection Licence tables in Appendices A and B. The following comments are provided where commitments in the management plans are made by Barrick for the Cowal Gold Project and specific additional comment was required.

Indigenous Archaeology and Cultural Heritage Management Plan

The Indigenous Archaeology and Cultural Heritage Management Plan was prepared by Barrick and approved by the Wiradjuri Condobolin Corporation (WCC) in writing on 6 August 2003. Approval was given under the auspices of the Wiradjuri Condobolin Culture and Heritage Company (WCC&HC) which was set up to manage the cultural and heritage component of the agreement between Barrick Australia and the Wiradjuri Condobolin People. The following comments are provided in relation to the management program for indigenous archaeology and cultural heritage, during the first 6 months of construction:

- Prior to construction earthworks being carried out, archaeological investigations have been undertaken by Cultural Heritage Officers provided by WCC working under the Principal Consulting Archaeologist (Dr Colin Pardoe). These investigations have enabled Letters of Certification to be submitted to Barrick by Dr Pardoe.
- Investigations have included the collection of representative samples, the avoidance of some sites and conservation works.
- A Master Inventory of items found during archaeological investigations has been established and data entry is on-going.
- A Temporary Keeping Place has been established on the ML site for collected archaeological items.

- A *Cowl Gold Project Cultural Heritage Offsets Deed* has been signed by Barrick and the Native Title claimants group, the West Wyalong Local Aboriginal Land Council, the Condobolin Local Aboriginal Land Council, the WCC and the WCC&HC, as per Special Condition 9 of Consent 1467.
- Meetings with Wiradjuri People have been carried out as follows: with the Cowl Project Coordinating Committee on 17 February 2004; and with the Employment ETBC on 19 October 2003 and 17 February 2004.

Flora and Fauna Management Plan

The Flora and Fauna Management Plan presents general management strategies to help conserve wildlife values within ML 1535 and around Lake Cowl including the design and construction of the mining lease fence, construction of the pipeline and night lighting. The Threatened Species Management Protocol and Vegetation Clearance Protocol were also prepared for implementation as required during the construction period. The following comments are provided in relation to the implementation of the Flora and Fauna Management Plan during the first 6 months of construction:

- No native fauna deaths have occurred on the ML as a result of project activities.
- Some vegetation enhancement has been carried out outside of the ML but none inside.
- No rocks and/or logs have been dispersed within Remnant Vegetation Enhancement Program (RVEP) areas to date but hollows and logs have been stockpiled from the initial cleared sites for this requirement. No monitoring has been carried out in the RVEP areas at this early stage of project development.
- No site rehabilitation has been carried out to date.
- The Vegetation Clearance Protocol has been triggered and the Vegetation Clearance Procedure has been instigated for the Temporary Isolation Bund, Northern Tailings Dam and Plant Site areas.
- During the implementation of the Vegetation Clearance Protocol, 24/25 June 2004, a number of Grey-crowned Babblers were observed on site. This is a threatened species under the NSW *Threatened Species Conservation Act*. In accordance with the Threatened Species Management Protocol (TSMP) the Threatened Species Management Strategy (TSMS) phase of the TSMP was initiated.

Erosion and Sediment Control Management Plan

The Erosion and Sediment Control Management Plan presents, in general, measures that will be implemented for the project. Specific Erosion and Sediment Control 'sub'-Plans will be prepared for each construction activity or stage of the project detailing the specific controls that will be implemented. Several of these sub-plans have been prepared for the initial construction works (refer to MCoA 3.5 for specific comments). The following comments are provided in relation to erosion and sediment control during the first 6 months of construction:

- The continuous sediment/silt curtain has been constructed around the construction zone for the Temporary Isolation Bund. Temporary collection ponds are currently being constructed. No water is present in Lake Cowl so no boom is necessary at this point in time.
- Weekly inspections of the ML boundary fence are carried out by Environment Department staff as well as other regular inspections carried out by Security staff.

- Installation of the silt fence for the construction of the Up-catchment Diversion System was had commenced at the time of the audit.
- Infill testing of site soils is being carried out and recorded by URS who are managing initial earthwork activities with overview by Barrick personnel.

Soil Stripping Management Plan

The Soil Stripping Management Plan presents the proposed soil stripping activities for the project. Scheduling for soil stripping is to be provided in the Mining Operations Plan to be prepared in accordance with the Mining Lease requirements imposed by the DMR. The following comments are provided in relation soil stripping during the first 6 months of construction:

- Minor soil stripping was required for the relocation of the TSR and the public road, and these works were complete at the time of the audit.
- Soil stripping along the alignment of the temporary isolation bund and for D1 and D4 water storages, was occurring at the time of the audit. Soil stripping and stockpiling was also occurring in the area of the Contractors Compound to the west of the proposed mine pit area.
- The required topsoil stockpile database is being established and will become operational when permanent stockpiles are established.

Landscape Management Plan

The requirements of the Landscape Management Plan had not been activated at the time of the audit due to the early stage of project development.

Bushfire Management Plan

The Bushfire Management Plan had been prepared and response to fires including assessment, control and cleanup, would be generally guided by the NSW Rural Fire Service. Response capability includes three fully equipped brigades in the region (Wamboyne, Clear Ridge and Blow Clear), and two 1000L fire tenders located at the Barrick Office/Drill-core Facilities. The Emergency Services Co-operation Agreement between Barrick and the NSW RFS is not yet in place.

Two staff personnel are members of local Bush Fire Brigades and are trained. Other employees in the fire response unit will also be trained.

A Fire Trail register for the ML area has been set up on the project computer network.

Land Management Plan

The land management strategies relating to pasture management, weed and pest control outlined in the Land Management Plan will be progressively implemented. Pasture management for the TSR, grazing and pasture areas on Barrick's holdings has already been implemented and remnant vegetation management on the mining lease area is planned as the development progresses.

Compensatory Wetland Management Plan

The selection of the Compensatory Wetland Area has been made by Barrick in consultation with NPWS and livestock entry into the Area has been excluded by completion of fencing of the ML.

Monitoring of the three survey sites identified in the Compensatory Wetland Management Plan [i.e. the compensatory wetland site (CW); the remaining areas of wetland within MLn1535 (RW) and wetland areas subject to grazing (site GW)] is planned to be carried out in 4th quarter 2004.

No monitoring has occurred within the Temporary Isolation Bund area due to construction activities.

Site Water Management Plan

Aspects of this Management Plan will be activated in the near future now that initial construction activities have commenced.

Hazardous Waste and Chemical Management Plan

The hazardous waste and chemical management plan for the project has been prepared and the requirements of the plan have been implemented where relevant (e.g. bunded fuel and lubricant storage). A Construction Emergency Response Plan has also been prepared and is operational.

Dust Management Plan

The Dust Management Plan presents the safeguards and control methods that are to be implemented during the construction works. These include use of water trucks to suppress dust during disturbance of surface soils, access roads to be watered and speed of vehicles on unsealed surfaces to be restricted, and soil stripping to be limited to areas required for the development of the mine activities.

Water trucks were observed to be in use on the site inspection conducted during the audit, vehicle speed signs were installed on the access roads to the work areas (20 kph) and soil stripping had only occurred in areas where the mine design required clearance for the current works.

Blast Management Plan

The Blast Management Plan has been prepared but no blasting has been carried out to date.

Noise Management Plan

The Noise Management Plan will be prepared prior to commencement of operation of the mine and plant.

Traffic Noise Management Plan

The Traffic Noise Management Plan has been prepared and a baseline Traffic Noise Assessment was carried out by Richard Heggie Associates on 20 January 2004, as required in MCoA 6.4(c).

It is planned to conduct traffic flows on the access road using traffic counters near the five residences situated within 30 metres of the road when the access road is completed.

The project traffic was using the Clear Ridge Road to access the mine lease area at the time of the audit. The main access road to the project has yet to be constructed along its length to allow project traffic to use the approved route.

4. OTHER STATUTORY REQUIREMENTS

In addition to the conditions of approval attached to the Minister's consent, MCoA 12 requires:

"The Applicant shall ensure that all statutory requirements including but not restricted to those set down by the Local Government Act 1993, Pollution Control Act 1970, Clean Air Act 1961, Clean Water Act 1970, Noise Control Act 1975, Protection of the Environment Administration Act 1991, Protection of the Environment Operations Act 1997, National Parks and Wildlife Act 1974, and all other relevant legislation, Regulations, Australian Standards, Codes, Guidelines and Notices, Conditions, Directions, Notices and Requirements issued pursuant to statutory powers by the BSC, EPA, DMR, DSC, NPWS, DLWC, RTA, NSW Agriculture, NSW Fisheries, and RAC, are fully met."

The following licences, permits etc have conditions of approval that have been assessed for compliance and implementation where relevant to the current status of the construction activities for the Cowal Gold Project.

4.1 Environment Protection Licence No. 11912

Barrick Australia received Environment Protection Licence (EPL) 11912 under section 55 of the Protection of the Environment Operations Act 1997 for the Cowal Gold Project on 23 December 2003.

A Licence Variation under Section 58(5) was granted on 21 May 2004.

Review of compliance of the construction activities with the EPL conditions is summarised in the table attached in Appendix B.

The permanent groundwater monitoring piezometers in the areas of the northern and southern tailings storage and the pit dewatering bores (i.e. points 19-40) are to be installed when the construction of the tailings storage areas are complete and the area of the piezometers will not be further disturbed. Monitoring will commence prior to any tailings being placed in the storage areas. The pit dewatering piezometers will be installed when the surface works around the pit area are complete. The monitoring of groundwater quality has been conducted in existing piezometers installed on the mine lease area to provide background data and many of these bores will be retained and monitored in addition to the EPL specified monitoring points.

Surface water sampling in Lake Cowal (i.e. points 14-18) and stormwater quality monitoring (points 12-13) have not been conducted as there is no water in Lake Cowal or surface runoff.

Meteorological station has been installed west of the Mine Administration compound adjacent to the new TSR alignment and east of the southern tailings emplacement area

The meteorological station has a temperature measurement at 2m but there is not a probe at 10m as required by condition M9.1. Arrangements for the installation of the 10m temperature probe was reported to have been initiated following the audit.

4.2 Mining Lease ML1535

Mining Lease No. 1535 was granted to Barrick Australia Limited under the Mining Act 1992 on 13 June 2003. The mining lease area is 2636 hectares. Barrick is the registered proprietor of the majority of the land on which the mining lease is located.

An Initial Mining Operations Plan was prepared by Barrick in March 2004 and submitted to the Director-General, outlining the sequence of construction activities, description of site facilities (including the lake protection bund and tailings storage facilities construction management procedures, environmental monitoring program and references to the Environmental

Management Plans required by the Minister's Conditions of Approval on the Development Consent.

Review of compliance of the construction activities with the Mining Lease conditions is summarised in the table attached in Appendix C.

4.3 Water Licences

Bore Licence Certificates under section 115 of the Water Act 1912 are held for the following groundwater bores associated with the Cowal Gold Project:

- 32 Water level only
- 11 Water quality only
- 19 Water Level and Quality
- 4 Mine production bores
- 3 Test bores

Refer to Appendix D for the list of Bore Licence Certificates.

4.4 Part 3A Permits

Permits under Part 3A the Rivers and Foreshores Improvement Act 1948 have been obtained by Barrick for the construction activities:

Permit No. 703A010055 – for two proposed creek crossings related to the TSR new road; and Permit No. 703A010056 – for the installation of a water supply pipeline across Lake Cowal.

Both these stages of the project development have been completed and the construction activities complied with the requirements of the Permit conditions.

4.5 Development Applications – Bland Shire Council

Development Applications have been submitted to the Bland Shire Council for construction of infrastructure and buildings at the Cowal Gold Project site. The required development consents and Construction Certificates have been obtained for the mine administration buildings, contractor compound facilities and sewage management systems for the temporary facilities at the site.

The development consents have attached conditions related to the works including inspection schedules and approvals required under the Local Government Act and Regulations and Building Code of Australia (BCA).

5. CONCLUSION

The independent environmental audit of the Cowal Gold Project was undertaken in June/July 2004 with the site inspection, document review and discussions with relevant project personnel conducted between the 28 June and 2 July 2004. Additional information and verification was provided by Barrick personnel and other parties between 15 January and 2 July 2004.

The documentation held by Barrick at the Cowal Gold Project site was provided to the auditors in an efficient manner and made the verification of compliance with the conditions of approval and other statutory approvals a straight forward exercise.

The documentation, reporting and activities at the Cowal Gold Project for the first six months of construction demonstrate a high degree of compliance with the conditions attached to the development consent, licenses and approvals granted to Barrick for the project.

Glossary of Terms

AEMR	Annual Environmental Management Report
AR	Annual Return – EPA
Barrick	Barrick Australia Limited
BCA	Building Code of Australia
BL	Bore Licence (granted by DLWC)
BSC	Bland Shire Council
CEMCC	Community Environmental Monitoring and Consultative Committee
CGP	Cowal Gold Project
CN	Cyanide
CN _{WAD}	Cyanide weak acid dissociable
DA	Development Application
DEC	Department of Environment and Conservation
DIPNR	Department of Infrastructure, Planning and Natural Resources
Director-General	Director-General of DIPNR
DLWC	Department of Land and Water Conservation (now part of DIPNR)
DMR	Department of Mineral Resources
DSC	Dam Safety Committee
EIS	Environmental Impact Statement – Cowal Gold Project 1998
EPA	Environment Protection Authority (now part of DEC)
EPL	Environment Protection Licence
NPWS	National Parks and Wildlife Service (now part of DEC)
RTA	Roads and Traffic Authority
SIS	Species Impact Statement
TSR	Travelling Stock Route
WAD	Weak acid dissociable
WCC	Wiradjuri Condobolin Corporation
WCC&HC	Wiradjuri Condobolin Culture and Heritage Company

APPENDICES

- Appendix A Minister's Conditions of Approval**
- Appendix B Environment Protection Licence**
- Appendix C Mining Lease Conditions**
- Appendix D Bore Licence Certificates**

APPENDIX A MINISTER'S CONDITIONS OF APPROVAL

Appendix A

Development Consent – Minister’s Conditions of Approval (MCoA)

MCoA No.	Consent Condition	Audit Evidence	Compliance	Comments
1.	GENERAL			
1.1	<i>Adherence to terms of DA, EIS, SIS, etc.</i>			
	The development is to be carried out generally in accordance with the EIS dated 13 March 1998, including the Statement of Intent by North Gold (WA) Ltd, and prepared by Resource Strategies certified in accordance with Section 77(3) of the Act, and all other relevant documentation, including the Applicant’s primary submission, and submission in reply to the Commission of Inquiry, as may be modified by the conditions set out herein.		Yes	The Cowal Gold Project is being developed in accordance with the EIS, Commission of Inquiry submissions and the Minister’s Conditions of Approval (MCoA).
1.2	<i>Period of Approval/Project Commencement</i>			
	(i) The development consent ends on the date which is 21 years from the date of the mining lease approval.	<ul style="list-style-type: none"> Letter from DMR Mining Application No. 45 – Cowal Gold Project, 18 June 2003 	Noted	The mining lease (ML 1535) approval was granted with conditions on 13 June 2003.
	(ii) At least one month prior to the commencement of construction, or within such period as agreed by the Director-General, the Applicant shall submit for the approval of the Director-General a compliance report detailing compliance with all the relevant conditions that apply prior to the commencement of construction.	<ul style="list-style-type: none"> Development Consent Compliance Report 22 Dec 2003 Supplement to Compliance Report, 7 April 2004 Letter from DIPNR re Pre-Construction Compliance Report 22 Dec 2003. 	Yes	<p>Pre-Construction Compliance Report submitted to DIPNR by Blake Dawson Waldron (BDW) lawyers acting for Barrick, and approved by the Director-General on 22 Dec 2003.</p> <p>A supplementary Compliance Report was submitted on 7 April 2004 related to transfer to the Crown for the new TSR of Lot 10 in DP1059150 occurred on 31 March 2004.</p> <p>Construction activities for the project commenced on 12 Jan 2004.</p>
	(iii) At least one month prior to commissioning of the ore processing plant, or within such period as agreed by the Director-General, the Applicant shall submit for the approval of the Director-General a compliance report detailing compliance with all the relevant conditions that apply prior to the commissioning of the ore processing plant.		N/A	The commissioning of the ore processing plant is planned for 4 th quarter 2005.

	(iv) Date of commencement of construction works and date of commissioning of the ore processing plant are to be notified in writing to the Director-General and BSC, at least two weeks prior to commencement of construction works and commissioning of the ore processing plant respectively.	<ul style="list-style-type: none"> Letter from BDW to Director-General re Notice of Commencement of Works, 24 Dec 2003 Letter from BDW to BSC re Notice of Commencement of Works, 24 Dec 2003 	Yes	<p>The commencement of construction was notified to the Director-General and BSC On the 24 December 2003 and construction activities started on 12 January 2004.</p> <p>Notification of commissioning of the ore processing plant is planned to commence in 4th quarter 2005</p>
	(v) No mine construction activity is to occur until the relevant approvals under the Environmental Planning and Assessment Act 1979 have been obtained for the construction of the transmission line from Temora to the mine site and the mine access road upgrade. This condition does not require approval to be obtained under the Environmental Planning and Assessment Act 1979 in relation to any rail crossing before mine construction activities can commence.	<p>Approval under Section 115(B) in relation to the Temora to Cowal 132KV Transmission Line, 3 Aug 1999</p> <p>Bland Shire Council Decision Notification of Approval of Cowal Gold Project Access Road Upgrade, 21 April 1999</p>	Yes	<p>Approval under Part 5 of the EP&A Act of the Temora Transmission Line was granted to Great Southern Energy Aug 1999.</p> <p>A Part 5 Approval under the EPA Act for the mine access road approved on 21 April 1999.</p> <p>The Bland Shire Council (BSC) granted approval for the upgrade of the access road to the Cowal Gold Project:</p> <p>MR57 North West Wyalong/Wamboyne Road; Blow Clear/Lake Cowal Road; Lake Cowal/Wamboyne Road; and Public Road adjoining West Wyalong/Burcher Railway Line.</p>
	(vi) If construction works have not commenced within two years of this development consent, the Applicant shall provide an annual report on the status of the project and any major changes to the environmental conditions of the site. If required, the first report shall be provided to the Director-General on the second anniversary of the granting of this consent.	<ul style="list-style-type: none"> Letter from DIPNR re Application under Section 95B of the EP&A Act, 12 May 2004 	Noted	<p>Extension of the lapsing period was granted until December 2004.</p> <p>Construction works started in January 2004.</p>
1.3	<i>Dispute Resolution</i>			
	In the event that the Applicant and the BSC or a Government agency, other than the Department of Urban Affairs and Planning, cannot agree on the specification or requirements applicable under this consent, the matter shall be referred by either party to the Director-General or if not resolved, to the Minister for Urban Affairs and Planning, whose determination of the disagreement shall be final and		N/A	

	binding on the parties.			
1.4	Security Deposits and Bonds			
	Security deposits and bonds will be paid as required by DMR under mining lease approval conditions.	Security Certificate No. 5034063002, Citigroup	Yes	Security deposit of \$11,750,000 as specified in the Mine Lease approval of 13 Jun 2003, was lodged by BDW for Barrick in March 2004.
2.	MINE MANAGEMENT			
2.1	Mine Management Plan, Operations and Methods			
	The Applicant shall submit to and have accepted by the DMR, a Mining Operations Plan in accordance with current guidelines issued by DMR, prior to commencement of mining. The Plan covers mining operations for a period of up to seven years.		Yes	An Initial Mining Operations Plan was prepared for the Cowal Gold Project in March 2004, as required by condition 25(9) of the Mining Lease No.1535 conditions. The Mining Operations Plan for the project will be prepared prior to commencement of mining.
2.2	Ore, Waste and Concentrate Production			
	The Applicant shall not transport ore or other excavated materials not required for either construction or maintenance works from other mines or locations to the mine site without the written approval of the relevant councils.		Noted	No ore or excavated materials from other mines or locations have been transported to the Cowal Gold Project site.
2.3	Mine and Public safety			
	The Applicant shall secure the mine site as described in section 2.10.5 of the EIS. The fence for the MLA boundary shall be designed to minimise the impact on water birds and aquatic species. (Refer also to condition 5.4(b)(ii)).		Yes	A 1.3m wire strand fence has been erected around the Mining Lease Area in accordance with the design requirement.
3.	LAND AND SITE ENVIRONMENTAL MANAGEMENT			
3.1	Appointment of Environmental Officer			
	(i) The Applicant shall employ an Environmental Officer to exclusively work for the Cowal gold mine and no other mine, whose qualifications are acceptable to the DMR who shall report to the Mine Manager. The Officer shall be employed throughout the life of the mine, and shall:	Letters to DMR, EPA, NPWS, DLWC, BSC and CEMCC re Appointment of Environmental Officer 24 Nov 2003 Letter from DMR Ref L03/0324 Acceptance of Environmental	Yes	DIPNR, DMR, EPA, NPWS, DLWC and BSC were notified on 16 July 2003 of Mr Blaxland's appointment to the position of Environmental Officer. Mr Blaxland's qualifications were communicated to and agreed to by DMR. The duties and responsibilities outlined in the Job

		Officer, 27 Nov 2003 Job Description – Environmental Officer Cowal Gold Project		Description for the Environmental Officer address the requirements of MCoA 3.1
	(ii) The Applicant shall notify the Director-General, DMR, EPA, NPWS, DLWC, BSC and the CEMCC (refer condition 8.7) of the name and contact details of the Environmental Officer upon appointment and any changes to that appointment.		Noted N/A	
3.2	Environmental Management Plans			
	The Applicant shall prepare the following environmental management plans:	Refer to the relevant conditions for documentation verification and comments		
	• Archaeology and cultural management plan (refer condition 3.3)		Yes	Environmental management plans were prepared and approved prior to being put on display at Bland Shire Council Library within 2 weeks of their approval by the relevant government authorities: <ul style="list-style-type: none"> • Heritage Management Plan • Indigenous Archaeology and Cultural Management Plan • Fauna Management Plan • Erosion and Sediment Control Management Plan • Soil Stripping Management Plan • Landscape Management Plan • Bushfire Management Plan • Land Management Plan • Compensatory Wetland Management Plan • Site Water Management Plan • Hazardous Waste and Chemical Management Plan • Dust Management Plan • Blast Management Plan • Traffic Noise Management Plan
	• Fauna management plan (refer condition 3.4)		Yes	
	• Erosion and sediment control plan (refer condition 3.5(a))		Yes	
	• Soil stripping management plan (refer condition 3.5(b))		Yes	
	• Landscape management plan (refer condition 3.8)		Yes	
	• Bushfire management plan (refer condition 3.9)		Yes	
	• Land management plan (refer condition 3.11(i))		Yes	
	• Compensatory wetland management plan (refer condition 3.11(v))		Yes	
	• Site water management plan (refer condition 4.1)		Yes	
	• Cyanide management plan (refer condition 5.3(b))		N/A	
	• Hazardous waste and chemical management plan (refer condition 5.8)		Yes	
	• Dust management plan (refer condition 6.1)		Yes	
	• Blast management plan (refer condition 6.3)		Yes	
	• Noise management plan (refer condition 6.4(b))	Yes		
	• Traffic Noise Management Plan (refer condition 6.4(c))	Yes		

	The management plans are to be revised/updated at least every five years, or as otherwise directed by the Director-General, in consultation with the relevant government authorities. They will reflect changing environmental requirements or changes in technology/operational practices. Changes shall be made and approved in the same manner as the initial environmental management plan. The plans shall also be made publicly available at BSC within two weeks of approval of the relevant government authority.		Noted N/A	
3.3	<i>Heritage Assessment and Management</i>			
	(a) The Applicant shall prior to commencement of construction works: (i) prepare a Heritage Management Plan (HMP) to address non-indigenous cultural heritage issues. The HMP shall be prepared in consultation with Bland District Historical Society, BSC, and Lake landholders/residents, and to the satisfaction of the Director-General;	Heritage Management Plan Sept 2003 • Letter from BSC re European Heritage Management Plan, 5 Sep 2003 • Letter from DIPNR re Indigenous Archaeology and Cultural Heritage Management Plan, 11 Nov 2003	Yes	The Heritage Management Plan was prepared by Barrick and approved by the Director General on 25 September 2003. The Plan was placed on display at Bland Shire Council Library on 1 October 2003.
	(ii) prepare an Indigenous Archaeology and Cultural Management Plan (IACMP) to identify future salvage, excavation and monitoring of any archaeological sites within the DA area prior to and during development, and to address Aboriginal cultural heritage issues. The IACMP shall be prepared in consultation with NPWS, the Local Aboriginal Land Council, a consultant archaeologist, any other stakeholders identified by NPWS, and to the satisfaction of the Director-General;	Indigenous Archaeology and Cultural Management Plan, Oct 2003 • Letter from DIPNR re Indigenous Archaeology and Cultural Heritage Management Plan, 11 Nov 2003	Yes	The Indigenous Archaeology and Cultural Management Plan was prepared in consultation with the NPWS, Wiradjuri-Condobolin Cultural Heritage Company, and Colin Pardoe (consultant archaeologist) and approved by the Director General on 11 November 2003. The Plan was placed on display at Bland Shire Council Library on 20 November 2003.
	(iii) retain a Cultural Heritage Officer approved by the West Wyalong Local Aboriginal Land Council who is to be available on site during construction earthworks; and	• Letter from Barrick – Letter of Appointment – Professional Services from Wiradjuri Condobolin Corporation, 6 Nov 2003	Yes	Barrick entered an agreement with the Wiradjuri Condobolin Corporation for the provision of cultural heritage officer(s) during construction earthworks. The agreement has been approved by the West Wyalong Aboriginal Land Council.

<p>3.3</p>	<p>(iv) submit to and have approved by the Director-General of NPWS, a Consent to Destroy application under section 90 of the National Parks and Wildlife Act 1974 for Aboriginal archaeological sites that have been identified to be damaged or destroyed as a result of the development prior to consent and/or by the IACMP.</p>		<p>Yes</p>	<p>Section 87 Permit 1361 applied to Lot 23 and 24 and Game Reserve – authorised archaeological works, but not destruction of aboriginal objects.</p> <p>Section 87 Permit 1468 applies to the whole mining lease area, plus the water pipeline route and borefield – authorises archaeological works but not destruction of aboriginal objects.</p> <p>Section 90 Consent 1467 applies to the whole mining lease area, plus the water pipeline route and borefield – authorises destruction of Aboriginal objects after the archaeological works required by Permit 1468 have been carried out and certified.</p> <p>Section 87 Permit 1681 applies to the relocated TSR and access road upgrade – authorises archaeological works but not the destruction of Aboriginal objects (see Consent 90).</p> <p>Section 90 Consent 1680 applies to the relocated TSR and access road upgrade – authorises destruction of Aboriginal objects, after the archaeological works required by Permit 1681 have been carried out and certified.</p>
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3.4	Flora and Fauna Assessment and Management			
	(a) The Applicant shall prior to commencement of construction prepare a fauna management plan to cover the mining lease area and monitoring of bird breeding areas as identified by the Applicant in consultation with NPWS. The plan shall be prepared in consultation with NPWS, NSW Fisheries and EPA, and be to the satisfaction of the Director-General. The plan shall include, but not be limited to:	<p>Flora and Fauna Management Plan, Oct 2003</p> <p>Letter from NPWS re Draft Flora and Fauna Management Plan, 10 Oct 2003</p> <p>Letter from DMR Ref L03/0324 re Draft Flora and Fauna Management Plan 14 Oct 2003</p> <p>Letter from EPA re Draft Flora and Fauna Management Plan 21 Oct 2003</p> <p>Letter from NSW Fisheries re Flora and Fauna Management Plan, 22 Oct 2003</p> <p>Letter from NPWS re Access Road Upgrade Implementation of the Threatened Species Management Protocol, 5 Nov 2003</p> <p>Letter from BSC re Flora and Fauna Management Plan, 13 Nov 2003</p> <p>Letter from DIPNR re Flora and Fauna Management Plan 13 Nov 2003</p>	Yes	The Flora and Fauna Management Plan was prepared by Barrick and approved by the Director General on 30 October 2003. The Plan was placed on display at Bland Shire Council Library on 13 November 2003.
	(i) methods for monitoring daily and seasonal fauna usage of tailings dams (eg. species, number, location, habits), and whether deaths or other effects or incidents are occurring. Usage of the tailings dams shall be reported to the EPA and NPWS on a six monthly basis, unless otherwise directed by the Director-General;	Flora and Fauna Management Plan Section 4	N/A	
	(ii) development of a protocol for the reporting of any deaths or other incidents involving native fauna on the mining	Flora and Fauna Management Plan Section 6.1 and 6.2	Yes	No native fauna deaths were reported to have occurred on the ML as a result of project activities to


	lease to the DMR, EPA, and NPWS, and in the case of fish, NSW Fisheries, within 24 hours (or next working day), and to the CEMCC (refer condition 8.7) as soon as practicable. The Applicant shall maintain a record of any wildlife deaths or other incidents and this record shall be provided in the AEMR (refer condition 9.2);			the time of this audit.
	(iii) provision for fauna autopsy facilities to enable the cause of any deaths to be quickly determined. The protocol required in sub clause (ii) above shall also detail collection and autopsy of fauna. This shall include but not be limited to collection and recording procedures, autopsy procedures and laboratory tests.	Flora and Fauna Management Plan Section 6.3	N/A	
	(iv) provision of contingency measures for reducing cyanide levels in the tailings dams in the event it is established that fauna deaths are occurring from cyanide in tailings dam water (refer also condition 5.3(c));	Flora and Fauna Management Plan Section 8	N/A	
	(v) development of effective mechanisms to keep fauna and avifauna away from the tailings storages, which shall include, but not be limited to: <ul style="list-style-type: none"> - minimising area of open water in the tailings dams; - fencing to prevent both medium and large fauna, terrestrial and amphibians, from entering the area. Mesh will have holes no greater than 5cm in diameter; - making the area non conducive to the establishment of wildlife habitats, as far as possible; - use of netting where practical; and - use of current best practice for avifauna deterrence; 	Report on the Interaction of Fauna with the Tailings Storage Facilities - Cowal Gold Project, Donato Environmental Services, June 2004. Flora and Fauna Management Plan Section 3	N/A	Preliminary report on the implementation of the program to keep fauna away from the tailings dam and record fauna usage of the tailings dams through observation and monitoring.
	(vi) development of plans for the rescue and rehabilitation of wildlife that may become bogged/sick/trapped in the tailings dams or elsewhere within the mining lease area;	Flora and Fauna Management Plan Section 5	N/A	
	(vii) methods to conserve and enhance wildlife values around Lake Cowal, within the mine lease area, including protection and enhancement of existing retained habitats;	Flora and Fauna Management Plan Section 9	Yes	Some vegetation enhancement has been carried out outside of the ML but no action has yet been implemented within the lease area. No rocks and/or logs have been dispersed within Remnant Vegetation Enhancement Program (RVEP)


				areas to date, but hollows and logs have been stockpiled from the initial cleared sites for use .
	(viii) provision to continue fauna and flora, fish, and aquatic invertebrate monitoring of the Lake Cowal region as documented in the EIS and SIS including investigation of fauna deaths off the Mine Site if requested by the Director-General where it is considered the deaths are attributable to activities on the Mine Site;	Surface, Groundwater, Meteorological and Biological Monitoring Program	Yes	
	(ix) details to relocate any threatened species and/or its habitat away from disturbed areas that are created by mine operations. This will include placement and maintenance of suitable types and numbers of artificial roosting boxes for bats such as the Greater Long-eared Bat and other animals (eg birds/possums) in undisturbed areas of the mine site;	Flora and Fauna Management Plan Section 10	Yes	
	(x) details of monitoring the mine's impacts particularly on birdlife in bird breeding areas identified by the Applicant in consultation with NPWS, threatened fauna and flora, and fish and aquatic invertebrates around Lake Cowal, and outline contingency measures should impacts be identified as occurring.	Flora and Fauna Management Plan Section 11	Yes	
	(b) The Applicant shall also implement a Threatened Species Management Protocol as outlined in Appendix 9 of the Department of Urban Affairs and Planning's primary submission to the Commission of Inquiry, which will include provisions for targeted searches prior to construction and proposed mitigation measures where threatened flora or fauna species are found.	Threatened Species Management Protocol Appendix A Flora and Fauna Management Plan October 2003 Letter from NPWS re Draft Threatened Species Management Protocol, 17 Oct 2003 Letter from DIPNR re Protocol, 30 Oct 2003	Yes	A Threatened Species Management Protocol was prepared by Barrick and approved by the Director General on 30 October 2003. During the implementation of the Vegetation Clearance Protocol, 24/25 June 2004, a number of Grey-crowned Babblers were observed on site. This is a threatened species under the NSW <i>Threatened Species Conservation Act</i> . In accordance with the Threatened Species Management Protocol (TSMP) the Threatened Species Management Strategy (TSMS) phase of the TSMP was initiated.

3.5	Prevention of Soil Erosion			
	The Applicant shall prepare prior to commencement of construction works, in consultation with DLWC and EPA and to the satisfaction of the Director-General:			
	(a) an erosion and sediment control management plan for the DA area which meets the requirements of EPA and DLWC. The plan shall include, but not be limited to:	<p>Erosion and Sediment Control Management Plan Sep 2003</p> <ul style="list-style-type: none"> • Letter from EPA re Draft Erosion and Sediment Control Management Plan 25 Sep 2003 • Letter from DMR re Draft Erosion and Sediment Control Management Plan 14 Sep 2003 • Letter from DMR re Draft Erosion and Sediment Control Management Plan 1 Oct 2003 • Letter from BSC re Draft Erosion and Sediment Control Management Plan, 1 Oct 2003 • Letter from EPA re Erosion and Sediment Control Management Plan , 20 Apr 2004 • Letter from DMR re Draft Erosion and Sediment Control Management Plan 29 April 2004 • Letter from EPA re Draft Erosion and Sediment Control Management Plan 23 June 2004 	Yes	<p>The Erosion and Sediment Control Management Plan for the DA area was prepared by Barrick and approved by the Director General on 1 October 2003.</p> <p>Specific Erosion and Sediment Control Management Plans are prepared for each stage of the construction works and submitted to EPA and DLWC for approval prior to commencement of that stage of the works.</p> <p>Erosion and sediment control plans have been prepared and approved for the following areas:</p> <ul style="list-style-type: none"> • Travelling Stock Reserve Road Construction, Gilbert & Associates, 18 December 2003 • Water Supply Pipeline, 20 April 2004 • Preliminary Earthworks for Mine Development Works (Isolation Bunds, Northern Tailings Storage Facility, Soil Stockpiles, External Drainage System, Internal Drainage, Mine Access Road, Tailings Service Corridor), URS, 23 April 2004 • Pit Dewatering Works (Dewatering Bores for Open Pit), URS, 23 April 2004 • Contained Water Storage Facilities, URS 10 June 2004

		<ul style="list-style-type: none"> • Letter from EPA re Draft Erosion and Sediment Control Management Plan 14 May 2004 • Letter from EPA re Draft Erosion and Sediment Control Management Plan 10 June 2004 • Letter from DMR Ref L03/0324 re Draft Erosion and Sediment Control Management Plan 18 June 2004 • Letter from EPA re Draft Erosion and Sediment Control Management Plan 23 June 2004 		
(i)	details of temporary and permanent sediment and erosion control systems to be used during both mine construction and operation, including for earthworks associated with landscaping;	Erosion and Sediment Control Management Plan Sections 3, 4 and 5	Yes	The silt curtain around the construction area for the temporary isolation bund has been installed in accordance with the Erosion and Sediment Control Plan. The installation of a boom on the lake side of the temporary isolation bund has not been installed as there is no water in Lake Cowal at the time of the audit. A weekly inspection of the mining lease boundary fences and sediment controls is conducted by Environment Department personnel.
(ii)	details of salinity management; and	Erosion and Sediment Control Management Plan Section 6		
(iii)	a program for reporting on the effectiveness of the sediment and erosion control systems and performance against objectives contained in the approved erosion and sediment control management plan, and EIS;	Erosion and Sediment Control Management Plan Section 11		
(b)	a soil stripping management plan for the DA area to the requirements of DMR and DLWC which shall include, but not be limited to:	Soil Stripping Management Plan Aug 2003 Erosion and Sediment Control Management Plan Section 7.1 • Letter from DMR re Draft Soil Stripping Management Plan 25 July 2003 • Letter from EPA re Draft Soil	Yes	The Soil Stripping Management Plan for the DA area was prepared by Barrick and approved by the Director General on 1 August 2003. The Plan was placed on display at Bland Shire Council Library on 6 August 2003.

		<p>Stripping Management Plan 28 July 2003</p> <ul style="list-style-type: none"> • Letter from BSC re Draft Soil Stripping Management Plan, 6 Aug 2003 		
	<p>(i) details of the management of soil stockpiles, soil stripping techniques and scheduling; and</p> <p>(ii) a program for reporting on the effectiveness of the soil stripping methods and performance against objectives contained in the soil stripping management plan, and EIS.</p>	<p>Erosion and Sediment Control Management Plan Section 7</p> <p>Erosion and Sediment Control Management Plan Section 11</p> <p>Initial Mining Operations Plan – Cowal Gold Project, March 2004</p>	<p>Yes</p> <p>In progress</p>	<p>The required topsoil stockpile database is being established and will become operational when permanent stockpiles are established. To date there have been only temporary stockpiles required as the stripped material is being used in construction of the Temporary Isolation Bund. Infill testing of site soils is being carried out and recorded by URS who are managing initial earthwork activities with overview by Barrick personnel.</p>
3.6	Site Rehabilitation Management			
	The Applicant shall carry out rehabilitation of all mine areas in accordance with the requirements of the Mining Operations Plan of the DMR (refer condition 2.1), and EIS, particularly Section 5.	<p>EIS Section 5</p> <p>Initial Mining Operations Plan, March 2004</p>	<p>Noted</p> <p>N/A</p>	
3.7	Visual Amenity and Landscaping			
	The Applicant shall prior to commencement of construction works prepare and submit for the approval of BSC a detailed landscape management plan prepared by a suitably qualified person. The plan shall include, but not be limited to:	<p>Landscape Management Plan, Aug 2003</p> <ul style="list-style-type: none"> • Letter from DMR re Draft Landscape Management Plan 19 Aug 2003 • Letter from BSC re Draft Landscape Management Plan 26 Aug 2003 • Letter from BSC re Landscape Management Plan, 1 Sep 2003 	<p>Yes</p>	<p>A landscape management plan was prepared and approved by DMR and BSC in August 2003. The Plan was placed on display at Bland Shire Council Library on 4 September 2003.</p>
	(i) provision for the establishment of trees and shrubs on	Landscape Management Plan	N/A	

	areas identified as necessary by BSC for the maintenance of satisfactory visual amenity from outside the mine site. Such landscaping shall have regard for reducing impacts of night lighting on wildlife and nearby residences;	Section 4		
	(ii) details of the visual appearance of all buildings, structures, facilities or works (including paint colours and specifications). Buildings and structures shall be designed and constructed so as to blend as far as possible with the surrounding landscape; and	Landscape Management Plan Section 5	Yes	
	(iii) details, specifications and staged work programs to be undertaken, maintenance of all landscape works and maintenance of building materials and cladding.	Landscape Management Plan Section 5	N/A	
	3.8 Bushfire and other Fire Controls			
	The Applicant shall: (a) prior to commencement of construction works prepare and submit for the approval of BSC, a bushfire management plan as outlined in section 6.4.4 of the EIS; and	Bushfire Management Plan, Aug 2003 Letter from DMR Ref L03/0324 re Draft Bushfire Management Plan 28 July 2003 Letter from BSC re Draft Bushfire Management Plan, 5 Aug 2003	Yes	A bushfire management plan was prepared and the plan approved by DMR and BSC on 24 July 2003. The Plan placed on display at Bland Shire Council Library on 5 August 2003.
	(b) provide adequate fire protection works on-site. This shall include one (1) emergency fire fighting unit on site. (Refer also condition 5.4(a)(i)).	 Plate 1: Emergency fire fighting units at Cowal Gold Project administration area	Yes	There are two emergency fire tenders of approximately 1000 L each on site located at the temporary administration area. Two staff personnel are members of local Bush Fire Brigades and are trained. Other employees in the fire response unit will be trained as time and the increasing workforce allow. The Emergency Services Co-operation Agreement is not yet in place. The Fire Trail register has been set up and is on the computer network.
	3.9 Other Land Covenants and Agreements			


<p>(a) <u>Relocation of Game Reserve</u> The Applicant shall prior to the commencement of construction works relocate the existing game reserve in consultation with BSC, DLWC, NPWS, NSW Fisheries, and lake residents and users as identified by BSC. Where public access arrangements are to be provided they shall be completed no later than the time of the reserve’s relocation, to the requirements of BSC and DLWC. The total size of the new reserve(s) shall be no smaller than the existing reserve.</p>		Yes	Barrick has relocated a reserve external to the mining lease for "public access" and "environmental protection" on 7 November 2003. The reserve maintains public access to the lake and has an area of 123.4ha. The "Game Reserve" status of the Crown land within ML 1535 was revoked on 19 December 2003.
<p>(b) <u>Relocation of Travelling Stock Route</u> The Applicant shall, prior to the commencement of construction works on the Travelling Stock Route (TSR), relocate the TSR in accordance with the EIS and the requirements of BSC, Department of Infrastructure, Planning and Natural Resources (DIPNR) and the Condobolin Rural Lands Protection Board, and should include appropriate fencing and stock watering facilities.</p>	<p>Letter from BDW re TSR 7 April 2004 Part 3A Permit No. 703A01055 under the Rivers and Foreshores Improvement Act 1948</p>  <p>Plate 2 – new TSR alignment established in 2004</p>	Yes	Barrick obtained the requirements of BSC, DIPNR and the Condobolin Rural Lands Protection Board for the relocation of the TSR. The new road and TSR works were completed in the 1 st quarter 2004, and Barrick transferred the land for the new TSR to the Crown as Lot 100 DP 1059150. This satisfies the requirement of condition 3.9(b) and closes the issue of dedication of the land for the TSR to the Crown, as reported in the Pre-Construction Compliance Report 22 December 2003.
<p>(c) The Applicant is to ensure that all applications for road closures are finalised prior to the commencement of construction works on the land comprising the existing public roads which are to be closed. This will include the relocation of the public roads in use prior to commencement of construction works on the land comprising the existing public roads which are to be closed.</p>	<ul style="list-style-type: none"> • Letter to BSC from Barrick re Closure of Council Roads, undated. • Orange Office - Notification of Closing of a Road, NSW Government Gazette, 16 April 2004 	Yes	Barrick requested BSC to proceed with the lodgement of road closure application with the Department of Lands for the closure of Road 1 (a public road within TSR17085 parallel to the western shore of Lake Cowal) and Road 2 (an unformed public road adjacent to the northern boundary of Portion 44. The road closures were gazetted in April 2004.


3.10	Land Management			
	<p>The Applicant shall:</p> <p>(A)(i) prior to commencement of construction works prepare a Land Management Plan for all its land holdings to provide for proper land management in consultation with DLWC, NSW Agriculture, and BSC, and to the satisfaction of the Director-General . The plan shall be consistent with the fauna management plan (condition 3.4) and shall include, but not be limited to:</p> <p>(a) pastures and remnant vegetation management;</p> <p>(b) control of vermin and noxious weeds as required by the Rural Lands Protection Authority, the Prickly Pear Authority and other relevant authorities;</p> <p>(c) integration of the latest versions of the Jemalong Land and Water Management Plan and the Lake Cowal Land and Water Management Plan; and</p> <p>(d) feral animal control.</p>	<p>Land Management Plan Oct 2003</p> <ul style="list-style-type: none"> • Letter from DMR re Draft Land Management Plan 10 Oct/03 • Letter from BSC re Draft Land Management Plan, 24 Oct/03 • Letter from NSW Agriculture re Weed Management Plan, 17 Oct 2003 <p>Land Management Plan Sections 4 and 5</p> <p>Land Management Plan Sections 6 and 7</p> <p>Land Management Plan 2003</p> <p>Land management Plan 2003 Section 7</p>	Yes	<p>A Land Management Plan was prepared by Barrick, approved by the Director General in October 2003 and placed on display at Bland Shire Council on 5 November 2003.</p>
	<p>(ii) prior to commencement of construction works prepare a Compensatory Wetland Management Plan. in consultation with NPWS, NSW Fisheries, DLWC, Lake Cowal Landowners Association, and Lake Cowal Environmental Trust, and to the satisfaction of the Director-General . The plan shall detail compensation measures for the loss of 120 hectares of wetland, through the enhancement of at least the equivalent area of existing wetland within the mine lease area during operation and following closure of the mine. The plan shall include, but not be limited to:</p> <p>(a) a definition of wetland which shall be all land up to the high water mark of Lake Cowal recognising that river red gum habitat is below high water mark;</p> <p>(b) measures to manage the enhanced wetlands without adversely impacting adjoining private properties; and</p>	<p>Compensatory Wetland Management Plan Oct 2003</p> <ul style="list-style-type: none"> • Letter from NPWS re Draft Compensatory Wetland Area Management Plan, 27 Aug 2003 • Letter from BSC re Compensatory Wetland Management Plan, 1 Oct 2003 <p>Compensatory Wetland Management Plan Section 4</p> <p>Compensatory Wetland Management Plan Section 7</p> <p>Compensatory Wetland Management Plan Section 6</p>	Yes	<p>A Compensatory Wetland Management Plan was and approved by the Director General on 25 September 2003 and placed on display at Bland Shire Council on 1 October 2003.</p>

	(c) measures to improve habitats for wildlife including waterbirds, fish, aquatic organisms etc, in the wetlands covered by the plan.			
	(B) minimise the removal of trees and other vegetation from the mine site and restrict any clearance to the areas occupied by the mine activity, buildings and paved surfaces, and those areas necessary for fire control in accordance with BSC's requirements, and have regard to the draft Mid-Lachlan Regional Vegetation Management Plan (or its final version);	Flora and Fauna Management Plan Section 9.7	Yes	A small number of trees have been removed for the initial stages of construction. The Vegetation Clearance Protocol has been triggered and the Vegetation Clearance Procedure has been instigated in the Temporary Isolation Bund, Northern Tailings Dam and Plant Site areas.
	(C) not locate topsoil stockpiles within any area of Wilga Woodland in the DA area as identified in figure 3-13 of the EIS;		Noted	
	(D) not disturb any area of Belah Woodland in the DA area as identified in figure 3-13 of the EIS.		Noted	
	(E) develop a strategy for the long term land use of the DA area on decommissioning of the mine site. The strategy shall include, but not be limited to: appropriate landuses within the DA area, which may include areas for conservation, agriculture or recreation, long term management of the area, environmental impacts of any uses and maintenance of necessary drainage characteristics and other features provided on the site. The strategy for long term land use of the DA area shall be submitted by Year 7 of mining operations or five years before mine closure, whichever is the sooner, in consultation with DLWC, EPA, NPWS, BSC, CEMCC, and to the satisfaction of the Director-General.	Land Management Plan Section 9.2 Land Management Section 9	N/A	
4.	WATER MANAGEMENT			
4.1 /4.2	Surface Water Management & Ground Water Management			
	The Applicant shall: (a) prior to the commencement of construction works shall prepare a site water management plan in consultation with DLWC and EPA, and to the satisfaction of the	Site Water Management Plan Oct 2003 • Letter from DMR re Draft Site Water Management Plan 24	Yes	A Site Water Management Plan was prepared, approved by the Director General in October 2003 and placed on display at Bland Shire

<p>Director-General, which shall include, but not be limited to, the following matters:</p>	<p>Sep 2003</p> <ul style="list-style-type: none"> • Letter from EPA re Draft Site Water Management Plan 27 Sep 2003 • Letter from DIPNR re Site Water Management Plan 30 October 2003 • Letter from BSC re Site Water Management Plan, 4 Nov 2003 		<p>Council on 4 November 2003.</p>
<p>(i) management of the quality and quantity of surface and ground water within and around the mine site, including water in the up catchment diversion system, internal catchment drainage system, dewatering bores, Bland Creek Palaeochannel borefield and water supply pipeline from the borefield, which shall include preparation of monitoring programs as provided by condition 8.2.;</p>	<p>Site Water Management Plan Section 4</p>	<p style="text-align: center;">Yes In progress</p>	<p>Construction of the Up-Catchment Diversion System was about to commence at the time of the audit. The water supply pipeline had been laid across Lake Cowal and the pipeline from the eastern edge of the lake to the borefield was being constructed. The production bores in the Bland Creek Palaeochannel had been established and registered with DLWC.</p>
<p>(ii) measures to prevent the quality of water in Lake Cowal or any surface waters being degraded below the relevant ANZECC water quality classification prior to construction due to the construction and/ or operation of the mine;</p>	<p>Site Water Management Plan Section 5</p>	<p style="text-align: center;">Yes</p>	
<p>(iii) identification of any possible adverse effects on water supply sources of surrounding land holders, and land holders near the Bland Creek Palaeochannel Borefield as a result of the mining operations, and implementation of mitigation measures as necessary;</p>	<p>Site Water Management Plan Section 6</p>	<p style="text-align: center;">Yes</p>	
<p>(iv) identification of changes in flood regime on productive agricultural land in Nerang Cowal as a result of the mine perimeter bund intruding into Lake Cowal, and provision of appropriate compensation measures for affected landholders based on inundation of productive land caused by the changed flood regime;</p>	<p>Site Water Management plan Section 7</p>	<p style="text-align: center;">Yes</p>	
<p>(v) construction and operation of water storages D1 and D4 as first flush systems with initial captured run-off waters from the outer batters of northern and southern</p>	<p>Preliminary Earthworks for Mine Development Works (Isolation Bunds, Northern Tailings</p>	<p style="text-align: center;">Yes In progress</p>	<p>Construction of the D1 and D4 water storages had commenced during the site inspection associated with this audit.</p>

	emplacement dumps reporting to water storage D6;	Storage Facility, Tailings Service Corridor), URS, 23 April 2004 Contained Water Storage Facilities, URS 10 June 2004		
	(vi) measures to manage and dispose of water that may be captured behind the temporary perimeter bund during construction of that bund;	Site Water Management Plan Section 9	N/A	Construction of the D1 and D4 water storages had commenced during the site inspection associated with this audit, but no water had been collected due to the dry season and lack of rain.
	(vii) integration of the latest versions of the Jemalong Land and Water Management Plan and the Lake Cowal Land and Water Management Plan;	Site Water Management Plan Section 10	Noted	
	(viii) measures to continue baseline monitoring undertaken prior to development consent;	Surface, Groundwater, Meteorological and Biological Monitoring Program, Section 4.2 and 5.2	Yes	Monitoring of groundwater, dust and meteorological conditions is being conducted to provide baseline data. Surface water monitoring of Lake Cowal will be implemented when the lake receives water inflow.
	(ix) a program for reporting on the effectiveness of the water management systems and performance against objectives contained in the approved site water management plan, and EIS.	Site Water Management Plan Section 12	Yes	Monitoring of the site water management programs will occur when there is surface water runoff and/or collection of runoff in the water retention ponds/system.
	(b) develop a strategy for the decommissioning of water management structures, including water storages both in and around the mine site, the water pipeline from the Bland Creek Palaeochannel borefield (refer condition 4.4), and long term management of final void and Lake protection bund. The strategy shall include, but not be limited to, long term monitoring of the water quality in the final void and stability of Lake protection bund and void walls, and options for alternate uses of the water pipeline. The strategy for the final void shall be submitted by Year 7 of mining operations or five years before mine closure, whichever is the sooner, in consultation with DLWC, EPA, DMR, and CEMCC, and to the satisfaction of the Director-General.	Site Water Management Plan Section 11	Yes but N/A	
	(c) (i) construct the Lake protection bund and site water	Site Water Management Plan	Yes	

	and tailings storages to the requirements of DLWC, EPA and DSC; (ii) provide a geotechnical report on pit/void wall construction/stability to DMR prior to commencement of mining operations and construct pit/void in accordance with the requirements of DMR;	Section 4.1	Noted	
4.3	Catchment Areas and Watercourses			
	The Applicant shall as a landowner have on-going regard for the provisions of the latest versions of the Jemalong Land and Water Management Plan, Lake Cowal Land and Water Management Plan, Mid-Lachlan Regional Vegetation Management Plan, and any future catchment/land & water management plans that may become relevant to the area.	Site Water Management Plan Section 10	Noted	
4.4	Water Supply - Bland Creek Palaeochannel water supply			
	(a) The maximum daily extraction of water from the Bland Creek Palaeochannel shall not exceed 15ML/day, and not exceed 3650ML/year. A total extraction of 30,000ML shall not be exceeded for the life of the mine, unless otherwise agreed by the Director-General, in consultation with DLWC. All bores from the Bland Creek Palaeochannel borefield used for mine purposes must be metered.	Bore Licence Certificates No. 70BL229248, 70BL229249, 70BL229250, and 70BL229251 (production bores)	N/A	Barrick have Bore License Certificates under Section 115 of the Water Act 1912 for water supply from the Bland Creek Palaeochannel.
	(b) The water pipeline from the Bland Creek Palaeochannel borefield to the mine site shall be: (i) constructed in accordance with the requirements of DLWC, and in consultation with NSW Fisheries; and (ii) laid in such a way so as not to impede the passage of fish or other animals, or interfere with flood behaviour or the passage of boats and vehicles.	Permit under Part 3A of the Rivers and Foreshores Improvement Act 1948 No. 703A010056 	Yes	The pipeline construction across lake Cowal has involved the burial of the pipe 1.5 metres below the surface and refilling of the trench with the original excavated material and compacted to the original ground level. The pipeline was being constructed similarly along the alignment to the east of the lake towards the production bores.

		<p>Plate 3: Pipeline construction across Lake Cowal</p>  <p>Plate 4: Pipeline construction to the east of the lake above the flood levels.</p>		
	(c) The water supply shall be installed with an automatic shut down device so water pumping is immediately stopped in the event of any pipe rupture. The water supply shall not be restarted until the rupture is located and repaired.		Noted	
	(d) Leases or private agreements shall be completed with the relevant landholders for the land requirement for pipeline infrastructure prior to commencement of water pipeline construction.	<ul style="list-style-type: none"> • Part 3A Permit Application 24 March 2004 • Enclosure Permit No. 353669, DLWC • Deed of Agreement for Pipeline Easement, 19 June 2003 	Yes	Easement Agreements were provided for land for which Barrick was not the Registered Proprietor: Lot 18, DP753097 Lots 44, 45, 46 and 47, DP42918 TSR84719 public roads vested in Forbes Shire Council
4.5	Disposal of Excess Water			
	There shall be no disposal of water from the internal catchment drainage system to Lake Cowal under any circumstances.		Noted N/A	
5	HAZARDOUS MATERIALS AND TAILINGS MANAGEMENT			
5.1	Waste Rock Emplacement and Management			
	The Applicant shall construct and manage the waste rock emplacement as set out in the EIS, and to the satisfaction of		Noted	

	the DMR.		N/A	
5.2	<i>Tailings Emplacement and Management</i>			
	<p>The Applicant shall:</p> <p>(a) construct the tailings dams to the requirements of, DMR, EPA and DSC and in consultation with DLWC;</p> <p>(b) construct and compact the floor of the tailings storages as required to a permeability acceptable to the DMR and EPA in consultation with DLWC;</p>		Noted N/A	
5.3	<i>Management of Retained Water – Cyanide Management</i>			
	<p>(a) <u>Cyanide levels</u></p> <p>The Applicant shall ensure that cyanide levels of the aqueous component of the tailings slurry stream do not exceed: 20mg CN_{WAD}/L (90 percentile over six months), and 30mg CN_{WAD}/L (maximum permissible limit at any time), at the discharge point to the tailings storages.</p>		N/A	
	<p>(b) <u>Cyanide management</u></p> <p>The Applicant shall prepare a cyanide management plan for the monitoring and reporting of cyanide use on the site, in consultation with DMR, EPA, and DLWC, and to the satisfaction of the Director-General, prior to any use of cyanide on the site. The plan shall make provision for, but is not limited to:</p> <p>(i) containing cyanide contaminated waters entirely within the mine site;</p> <p>(ii) maintaining weak acid dissociable (WAD) cyanide levels at the discharge point to the tailings dams to the levels stated in condition 5.3(a);</p> <p>(iii) contingency measures for cyanide reduction. (Refer condition 8.2(b) for cyanide monitoring details).</p>		N/A	The Cyanide Management Plan approval is not required prior to commencement of construction. The Plan will be prepared and approved prior to use of any cyanide on site.
	<p>(c) In the event of wildlife deaths occurring due to cyanide, review of cyanide levels shall occur by the EPA in consultation with the Applicant, DMR and NPWS. Any</p>		N/A	

	<p>decision to require cyanide reduction shall include, but not be limited to, consideration of the number of fauna deaths, the species involved, antecedent condition of species, methods employed at the time to prevent use of tailings dams by fauna, and antecedent climatic and surface water conditions of the Lake and surrounding area. The Applicant shall notify the CEMCC of any reductions in cyanide levels as soon as practicable.</p>			
5.4	Fuel, Oil and other Chemical Handling			
	<p><i>Note: The development consent conditions under 5.4(a)-(f) are related to offsite risk to people and the biophysical environment. The safety of all persons and operations on site is the responsibility of the DMR under the Mines Inspection Act and Dangerous Goods Act.</i></p>		Noted	
	<p>(a) <u>Pre-Construction Studies</u> The Applicant shall prepare and submit for the approval of the Director-General, the studies set out under subsections 5.4(a)(i) to 5.4(a)(iii) (the pre-construction studies), at least one month prior to the commencement of construction of the proposed development, (except for construction of those preliminary works that are outside the scope of the hazard studies), or within such further period as the Director-General may agree. Construction, other than of preliminary works, shall not commence until approval has been given by the Director-General and, with respect to the fire safety study, approval has also been given by the Commissioner of the NSW Fire Brigades.</p>	<p>Letter from DIPNR re Extension of Deadline – Condition 5.4, 10 Sept 2003 Letter from DIPNR re Extension of Deadline – Condition 5.4, 15 May 2004</p>		<p>The 5.4(a) studies were not completed prior to commencement of construction and DIPNR granted an extension until the 31 May 2004 and a further extension as described below. Extension of time granted for submission of the Fire Safety Study, Hazard and Operability Study, and Final Hazard Analysis until 31 December 2004.</p>
	<p>(i) <u>Fire Safety Study</u> This study shall cover all aspects detailed in the Department of Urban Affairs and Planning’s Hazardous Industry Planning Advisory Paper No. 2, “Fire Safety Study Guidelines” and the New South Wales Government’s “Best Practice Guidelines for Contaminated Water Retention and Treatment Systems”. The study shall also be submitted for approval to the</p>			Refer to comments in condition 5.4.


	<p>New South Wales Fire Brigades.</p> <p>The study should, in particular, address the fire related issues associated with the storage and use of Ammonium Nitrate, Sodium Isobutyl Xanthate, and Cyanide.</p>			
(ii)	<p><i>Hazard and Operability Study</i></p> <p>The study is to be chaired by an independent qualified person approved by the Director-General prior to the commencement of the study. The study shall be carried out in accordance with the Department's Hazardous Industry Planning Advisory Paper No. 8, "HAZOP Guidelines". The HAZOP shall in particular address the monitoring, control, alarm and shutdown systems associated with xanthate and cyanide process streams.</p>			Refer to comments in condition 5.4
(iii)	<p><i>Final Hazard Analysis</i></p> <p>The analysis should be prepared in accordance with the Department of Urban Affairs and Planning's Hazardous Industry Planning Advisory Paper No. 6, "Guidelines for Hazard Analysis".</p>			Refer to comments in condition 5.4
(b)	<p><u>Pre-Commissioning Studies</u></p> <p>The Applicant shall prepare and submit for the approval of the Director-General the studies set out under subsections 5.4(b)(i) to 5.4(b)(iii) (the pre-commissioning studies), no later than two months prior to the commencement of commissioning of the proposed development, or within such period as the Director-General may agree. Commissioning shall not commence until approval has been given by the Director-General.</p>		N/A	The commissioning of the plant is planned for 4 th quarter 2005.
(i)	<p><i>Transport of Hazardous Materials</i></p> <p>The study comprises arrangements covering the transport of hazardous materials including details of routes to be used for the movement of vehicles carrying hazardous materials to or from the proposed development. The study shall be carried out in</p>		N/A	Refer to comment in condition 5.4(b)

<p>accordance with the Department of Urban Affairs and Planning’s draft “Route Selection” guidelines. Suitable routes identified in the study shall be used except where departures are necessary for local deliveries or emergencies.</p> <p>The study should also address (1) the issues associated with spills, cleanup procedures, training of clean-up teams, communication, and liaison with organisations such as the fire brigades, District Emergency Management Coordinator (and Committee), Local Emergency Management Committee(s), and state emergency services; (2) inspection and monitoring procedures for chemicals such as explosives, xanthates and cyanides prior to commencement of a trip, to verify the integrity of the packaging; and (3) measures to be taken to ensure that the temperature of the materials does not rise above safe levels</p>			
<p>(ii) <i>Emergency Plan</i></p> <p>A comprehensive emergency plan and detailed emergency procedures for the proposed development. This plan shall include detailed procedures for the safety of all people outside of the development who may be at risk from the development. The plan should be in accordance with the Department of Urban Affairs and Planning’s Hazardous Industry Planning Advisory Paper No. 1, “Industry Emergency Planning Guidelines”, and include procedures for spillage, cleanup, control and protection, and rescue of wildlife during the emergency.</p>		N/A	<p>The Construction Emergency Response Plan is in place and operational.</p> <p>The Operational Emergency response Plan will be prepared for implementation prior to commencement of operation of the mine and process plant.</p>
<p>(iii) <i>Safety Management System</i></p> <p>A document setting out a comprehensive safety management system, covering all operations on-site and associated transport activities involving hazardous materials. The document shall clearly specify all safety related procedures, responsibilities and policies, along with details of mechanisms for ensuring adherence to procedures. Records shall be kept on-site and should be available for inspection by the Director-General upon</p>		N/A	Refer to comment in condition 5.4(b)

<p>request. The safety management system should be developed in accordance with the Department's Hazardous Industry Planning Advisory Paper No. 9, "Safety Management".</p>			
<p>(c) <u>Compliance Reports</u> One month prior to the commencement of operation of the plant, the Applicant shall submit to the Director-General, a compliance report detailing compliance with conditions 5.4(a) and 5.4(b), including:</p> <ul style="list-style-type: none"> (i) dates of study submission, approval, commencement of construction and commissioning; (ii) actions taken or proposed, to implement recommendations made in the studies; and (iii) responses to each requirement imposed by the Director-General under condition 5.4(f). 		N/A	The Compliance Report will be prepared in the 3 rd quarter 2005 for submission one month prior to commencement of the operation of the plant.
<p>(d) <u>Incident Report</u> Within 24 hours or the next working day of any incident or potential incident with actual or potential significant off-site impacts on people, or the biophysical environment (including wildlife), report shall be supplied to the Director-General outlining the basic facts and mitigation measures undertaken at the time. A further detailed report shall be prepared and submitted following investigations of the causes and identification of necessary additional preventative measures. The report must be submitted to the Director-General no later than 14 days after the incident or potential accident. The Applicant shall maintain a register of such accidents, incidents, and potential incidents. The register shall be made available for inspection at any time by the independent hazard auditor and the Director-General.</p>		Yes	
<p>(e) <u>Hazard Audit</u> Twelve months after the commencement of operations of the proposed development or within such further period as the Director-General may agree, the Applicant shall</p>		N/A	Planned for 4 th quarter 2006.

	<p>carry out a comprehensive hazard audit of the proposed development and submit a report of the audit to the Director-General.</p> <p>The audit shall be carried out at the Applicant's expense by a duly qualified independent person or team approved by the Director-General prior to commencement of the audit. Further audits shall be carried out every three years or as determined by the Director-General and a report of each audit shall within a month of the audit be submitted to the Director-General. Hazard audits should be carried out in accordance with the Department's Hazardous Industry Planning Advisory Paper No. 5, "Hazard Audit Guidelines".</p>			
	<p>(f) <u>Further requirements</u></p> <p>The Applicant shall comply with all reasonable requirements of the Director-General in respect of the implementation of any measures arising from the approvals given in respect of conditions 5.4(a) - 5.4(e) above, within such time as the Director General may agree.</p>		Noted	
5.5	Domestic Waste			
	The Applicant shall dispose of all solid waste and putrescible matter from the site to the satisfaction of BSC.		Yes	All solid waste and putrescible matter from the site activities is collected by a waste contractor for disposal at the BSC landfill.
5.6	Sewage and Associated Waste Management			
	The Applicant shall install the site sewage treatment facility, and dispose of treated sewage and sullage to the satisfaction of BSC and EPA, and in accordance with the requirements of the Department of Health.	<p>Notice of Determination of a Development Application 118/03 – Installation of On-site Sewage Management System</p> <p>Notice of Determination of a Development Application 139/03 – Relocation of Drilling Compound Infrastructure</p>	N/A	<p>This condition applies to the permanent sewage treatment facility that will be installed for the operation of the mine, process plant and administration areas.</p> <p>Currently the STP installed at the temporary Mine Office area, contractors compound and drillers compounds have been approved under development applications to the BSC.</p>
5.7	Asbestos & Other Hazardous/Toxic Waste Management			
	The Applicant shall prior to commencement of construction	•Hazardous Waste and	Yes	A Hazardous Waste and Chemical Management


	works prepare a Hazardous Waste and Chemical Management Plan as set out in section 6.4.1 of the EIS in consultation with EPA and BSC, and to the satisfaction of the Director-General.	<p>Chemical Management Plan Oct 2003</p> <ul style="list-style-type: none"> •Letter from DMR Ref L03/0324 re Draft Hazardous Waste and Chemical Management Plan 14 Oct 2003 •Letter from BSC re Draft Hazardous Waste and Chemical Management Plan 29 Oct 2003 •Letter from EPA re Draft Hazardous Waste and Chemical Management Plan 29 Oct 2003 •Letter from DIPNR re Hazardous Waste and Chemical Management Plan 30 Oct 2003 		Plan was prepared by Barrick, approved by the Director General in October 2003 and placed on display at Bland Shire Council on 5 November 2003.
6.	AIR QUALITY/BLAST/ NOISE AND LIGHT MANAGEMENT			
6.1	<i>Air Quality Management</i>			
	(a) The Applicant shall prior to commencement of construction works prepare a dust management plan detailing air quality safeguards and procedures for dealing with dust emissions in consultation with the EPA and to the satisfaction of the Director-General. The management plan shall be updated as required by the Director-General and/or EPA. The plan shall include, but not be limited to, details of: locations for dust monitoring (in accordance with Australian Standard), including location gauges near the Gumbelah residence, and bird breeding and native flora areas determined by the Applicant in consultation with the EPA and NPWS;	<p>Dust Management Plan Sep 2003</p> <ul style="list-style-type: none"> •Letter from NPWS re Draft Dust Management Plan, 24 July 2003 •Letter from EPA re Draft Dust Management Plan 25 July 2003 •Letter from DMR Ref L03/0324 re Draft Dust Management Plan 28 July 2003 •Letter from DIPNR re Dust Management Plan 1 Aug 2003 •Letter from BSC re Draft Dust 	Yes	A Dust Management Plan was prepared by Barrick, approved by the Director General in August 2003 and placed on display at Bland Shire Council on 6 August 2003.

		Management Plan, 6 Aug 2003		
	(b) methods to determine when and how the mine operation is to be modified to minimise the potential for dust emissions.	Dust Management Plan Section 5	Yes	Baseline monitoring of dust has continued with the dust deposition gauges maintained and samples collected each month.
	(c) measures to continue baseline monitoring undertaken prior to development consent. (Refer condition 8.3 for air quality monitoring details)	Dust Management Plan Section 7		
6.2	Dust Suppression and Control			
	The Applicant shall: (i) maintain and use sufficient equipment with the capacity to apply water to all unsealed trafficked areas at a rate which minimises dust emissions; (ii) ensure the prompt and effective rehabilitation of all disturbed areas to minimise generation of wind erosion dust, in accordance with the requirements of DMR; (iii) keep the surface of all stockpiles sufficiently treated to minimise windblown dust.	 <p>Plate 5: Water tanker wetting areas of work on the temporary isolation bund.</p>	Yes	Water tankers were in use on site in the areas of surface disturbance during the site inspections associated with this audit.
6.3	Blast Management			
	The Applicant shall: (i) prior to mining operations prepare a blast management plan in consultation with the EPA and to the satisfaction of the Director-General. The plan shall identify the blast provisions detailed in the ANZECC document titled “Technical Basis for Guidelines to Minimise Annoyance due to Blasting Overpressure, and Ground Vibration”. The plan shall also detail strategies and procedures for dealing with blasts which exceed air blast overpressure of 120dB(L Peak Linear) at dwellings, or demonstrably disturb bird breeding, and carry out remedial measures as directed by the EPA, in consultation with NPWS if monitoring demonstrates bird breeding is impacted.	<p>Blast Management Plan Sep 2003</p> <ul style="list-style-type: none"> •Letter from NPWS re Blast Management Plan, 5 Aug 2003 •Letter from DMR Ref L03/0324 re Draft Blast Management Plan 8 Aug 2003 •Letter from DIPNR re Blast Management Plan 23 August 2003 		A Blast Management Plan was prepared by Barrick, approved by the Director General in August 2003 and placed on display at Bland Shire Council on 8 September 2003.

	(ii) advise residents within two (2) kilometres of the active mining area of future blasting events on a monthly basis, and of any changes to monthly programs.	Blast Management Plan Section 3	N/A	
	(iii) upon written request of the owner of any dwellings located within two (2) kilometres of the active mining area, the Applicant shall arrange at its own costs, for the inspection by a technically qualified person agreed to by both parties, to record the material condition of any structure on such property within 14 days of receipt of the request. The Applicant shall supply a copy of any inspection report, certified by the person who undertook the inspection, to the relevant property owner within fourteen (14) days of receipt of the report; (Refer condition 8.4(b) for blast monitoring details)	Blast Management Plan Section 11	N/A	
6.4	Noise Control			
	<p>(a) <u>Noise levels - mine operations</u></p> <p>The Applicant shall ensure that the L_{A10 (15 minute)} noise levels due to the normal operation of the mine, when measured or computed at any dwelling in the vicinity of the mine (other than one owned by a mining company), shall not exceed:-</p> <ul style="list-style-type: none"> - during day time (7am-10pm), an L_{A10 (15 minute)} noise levels of 35dB(A) - during night time (10pm-7am), an L_{A10 (15 minute)} noise levels of 33dB(A). <p>These goals apply under prevailing meteorological conditions except during:</p> <ul style="list-style-type: none"> • rain; and/or • wind speeds greater than 3m/s, and/or • temperature inversions. <p>Noise impacts that may be enhanced by temperature inversions shall be addressed by:</p> <p>(i) documenting noise complaints received to identify any higher level of impacts or patterns of temperature</p>		Noted	

<p>inversions; and (ii) where levels of noise complaints indicate a higher level of impact then actions to quantify and ameliorate any enhanced impacts under temperature inversion conditions should be detailed in the noise management plan.</p>		<p>N/A</p>	
<p>(b) <u>Noise management plan</u> The Applicant shall prior to commencement of mining operations prepare a noise management plan in consultation with the EPA and to the satisfaction of the Director-General. The plan shall detail noise strategies and procedures for dealing with noise which exceeds the LA₁₀(15 minute) noise emission limits set out in this consent, including where appropriate exceedences during temperature inversions, or demonstrably disturbs bird breeding, and carry out remedial measures as directed by the EPA, in consultation with NPWS if monitoring demonstrates bird breeding is impacted. (Refer condition 8.4 for noise investigation/monitoring details).</p>	<ul style="list-style-type: none"> • Letter from EPA re Draft Noise Management Plan 7 Nov 2003 	<p>N/A</p>	
<p>(c) <u>Road traffic noise</u> (i) The Applicant shall, prior to commencement of construction, prepare a traffic noise management plan for the access road from the intersection with the Mid-Western Highway to the mine site in consultation with the EPA and BSC, and to the satisfaction of the Director-General. The plan shall include, but not be limited to: details of noise monitoring; and details of mitigation measures in the event of noise exceedences.</p>	<p>Traffic Noise Management Plan Nov 2003</p> <ul style="list-style-type: none"> • Letter from DMR re Draft Traffic Noise Management Plan 8 Aug 2003 • Letter from EPA re Draft Traffic Noise Management Plan 18 Aug 2003 • Letter from BSC re Draft Traffic Management Plan 19 Aug 2003 • Letter from DIPNR re Traffic Noise Management Plan 28 Aug 2003 	<p>Yes</p>	<p>A Traffic Noise Management Plan for the access road was by Barrick, approved by the Director General in August 2003 and placed on display at Bland Shire Council on 4 September 2003.</p>
<p>(ii) Truck movements for material delivery purposes will be</p>	<p>Traffic Noise Management Plan</p>	<p>Yes</p>	

	restricted as far as practicable to daytime hours (0700 to 2200 hours).	Section 2.3		
	(iii) Notwithstanding subclause (i) above, traffic noise monitoring shall be conducted at any of the five dwellings predicted to be affected by road traffic noise as identified in the EIS upon receipt of relevant noise complaint. Noise amelioration works shall be implemented where noise levels (as validated by monitoring) are determined to be in exceedance of relevant EPA criteria. The proposed amelioration measures shall be approved by BSC prior to implementation.	Traffic Noise Management Plan Section 4.1.2	N/A	Baseline Traffic Noise Assessment carried out by Richard Heggie Associates on 20 January 2004
	(iv) In the event that other landowners consider that noise at their dwelling which is located along the mine access road between the Mid-Western Highway and the mine site, is in excess of the relevant EPA amenity criteria for traffic noise, and the Director-General, in consultation with the EPA, is satisfied that an investigation is required, the Applicant shall upon receipt of a written request: <ul style="list-style-type: none"> • appoint a qualified independent person to undertake direct discussions with the landowners affected to ascertain their concerns and to plan and implement an investigation to quantify the impact and determine the sources of the effect, and • where the project is identified as the cause/source bear the cost of the independent investigation and if exceedences are identified implement noise amelioration to provide for full compliance with EPA criteria. The proposed amelioration measures shall be approved by BSC prior to implementation. 	Traffic Noise Management Plan Section 4.1.3	N/A	
7	TRANSPORT AND UTILITIES			
7.1	Road Transport			
	<u>Mine site access road</u> (i) The Applicant shall ensure as far as practical that the preferred mine access road route as described in the EIS is the only route used by employees and contractors	Access Road Erosion and Sediment Control Plan, Oct 2003 Bland Shire Council Decision		A Part 5 Approval under the EPA Act for the mine access road approved on 21 April 1999. The Bland Shire Council (BSC) granted approval for the upgrade of the access road to the Cowal Gold

	travelling to the mine site from West Wyalong and no other route. (ii) The mine access road upgrade shall be undertaken in accordance with the approval issued by BSC under Part 5 of the Environmental Planning and Assessment Act, 1979. (Refer also to conditions 2.2 and 5.4(b)).	Notification of Approval of Cowal Gold Project Access Road Upgrade, 21 April 1999		Project: MR57 North West Wyalong/Wamboyno Road; Blow Clear/Lake Cowal Road; Lake Cowal/Wamboyno Road; and Public Road adjoining West Wyalong/Burcher Railway Line.
8.	MONITORING/AUDITING			
	Monitoring programs in conditions 8.1 - 8.6 below are to be revised/updated annually, unless otherwise directed by the Director-General, to reflect changing environmental requirements significant changes in technology/operational practices and results from monitoring conducted. Changes shall be made and approved through the AEMR process. All monitoring programs shall also be made publicly available at BSC within two weeks of approval of the relevant government authority.	<ul style="list-style-type: none"> • Surface Water, Groundwater, Meteorological and Biological Monitoring Program – Construction Phase, Dec 2003 • Monitoring Program for the Detection of any Movement of the Lake Protection Bund, Water Storage and Tailings Structures and Pit/Void Walls, Dec 200 	Yes	The surface and ground water monitoring program was placed on display at Bland Shire Council display within 2 weeks of their approval by the relevant government authority.
8.1	Meteorological			
	The Applicant shall continue meteorological monitoring by utilising and maintaining the existing weather station on site. The data shall be particularly used for predicting noise, dust and blasting impacts on nearby residences, and bird breeding areas identified by the Applicant in consultation with NPWS.		Yes	Barrick continued meteorological monitoring utilising and maintaining the existing weather station site until June 2004 when the meteorological station was relocated to the permanent site west east of the tailings storage area on the southern side of the mine lease.
		Plate 6: Meteorological station at permanent location.		

8.2	Surface and Ground Water and Cyanide			
	<p>(a) <u>Water monitoring</u></p> <p>(i) The Applicant shall construct and locate:</p> <p>(a) surface water monitoring positions in consultation with DLWC and EPA, and to the satisfaction of the Director-General, at least three months prior to the commencement of construction works unless otherwise directed by the Director-General; and</p> <p>(b) groundwater monitoring positions in consultation with DLWC and EPA, and to the satisfaction of the Director-General at least six months prior to the commencement of construction works unless otherwise directed by the Director-General.</p>	<p>Surface Water, Groundwater, Meteorological and Biological Monitoring Program – Construction Phase, Dec 2003 Section 4.3</p> <ul style="list-style-type: none"> • Letter from DIPNR re surface water monitoring locations, 12 Mar 2003 <p>Surface Water, Groundwater, Meteorological and Biological Monitoring Program – Construction Phase, Dec 2003, Section 5.3</p> <ul style="list-style-type: none"> • Letter from DIPNR re surface water monitoring locations, 12 Mar 2003 	Yes	<p>Surface water monitoring positions were located at least 3 months prior to commencement of construction. The positions were approved by the Director-General in March 2003 after Barrick had consulted with the EPA and DIPNR (DLWC).</p> <p>Groundwater monitoring has been generally in accordance with the EPL. Permanent groundwater monitoring locations in areas that will be disturbed by development of the mine infrastructure will be installed as soon as construction is complete. Other groundwater monitoring locations have been installed prior to commencement of construction. The positions were approved by the Director General in March 2003 after Barrick had consulted with the EPA and DIPNR (DLWC).</p>
	<p>(ii) The Applicant shall prepare a detailed monitoring program in respect of ground and surface water, including water in the up catchment diversion system, internal catchment drainage system, dewatering bores, Bland Creek Palaeochannel borefield and water supply pipeline from borefield, pit/void, Lake Cowal, and any other waters in and around the mine site, during construction works, mine operations and post mine operations in consultation with DLWC, EPA, NSW Fisheries and to the satisfaction of the Director-General. The monitoring program during construction works shall be prepared prior to commencement of construction. The monitoring program during mine operation shall be prepared prior to commencement of mine operation. The monitoring program post mine operations shall be prepared by year 7 of mine operations.</p>	<p>Surface Water, Groundwater, Meteorological and Biological Monitoring Program – Construction Phase, Dec 2003</p> <ul style="list-style-type: none"> • Letter from DMR Ref L03/0324 re Draft Surface Water, Groundwater, Meteorological and Biological Monitoring Program, 13 Oct 2003 • Letter from BSC re Draft Surface Water, Groundwater, Meteorological and Biological Monitoring Program, 17 Dec 2003 • Letter from DIPNR re Surface /Groundwater, Meteorological and Biological Monitoring 	Yes	<p>A surface and ground water monitoring program for construction works was prepared by Barrick, approved by the Director General in December 2003 and placed on display at Bland Shire Council on 17 December 2003.</p> <p>D1 and D4 water storage ponds were still under construction at the time of the audit. Monitoring of the water quality in the storages will begin when construction is complete and storage occurs.</p>

	Program, 10 Dec 2003		
(iii) The monitoring program will include the development of adequate chemical and ongoing baseline biological monitoring in the waters of Lake Cowal, when water is present, by suitably qualified and experienced staff or consultants to the satisfaction of the DLWC and EPA, and in the case of biological monitoring NSW Fisheries. DLWC and EPA must be satisfied as to sampling design, including sample locations, sample frequency, sample handling, transport and analysis, sampling parameters and reporting of analysis results.	Surface Water, Groundwater, Meteorological and Biological Monitoring Program – Construction Phase, Sections 4.3.5, 4.3.6, 4.3.7, 7.3.6, 7.3.7 and 11.	Yes	The monitoring program was approved by the Director-General in Dec 2003 after Barrick had consulted with the EPA and DLWC.
(iv) The results and interpretation of surface and ground water monitoring (including biological monitoring) are to be provided by the Applicant in an approved form to the DLWC, EPA and NSW Fisheries on a three monthly basis during construction and the first 12 months of ore processing operations and thereafter on an annual basis, unless otherwise agreed by the Director-General. The results are also to be contained and analysed in the AEMR (Condition 9.2(a)).	• Letter from DIPNR re Condition 8.2(iv) - Monitoring	Yes	DIPNR agreed to the first reporting of monitoring period to be 1 May to 31 July 2004 given the low level of site activity in early 2004.
(v) the Applicant shall prior to commencement of construction works prepare in consultation with DLWC and DMR and to the satisfaction of the Director-General, a monitoring program for the detection of any movement of the Lake protection bund, water storage and tailings structures and pit/void walls during the life of the mine, with particular emphasis on monitoring after any seismic events.	Monitoring Program for the Detection of any Movement of the Lake Protection Bund, Water Storage and Tailings Structures and Pit/Void Walls, Dec 200	Yes	A monitoring program for the detection of any movement in the lake protection bund, water storage and tailings structures and pit/void walls was prepared by Barrick, approved by the Director General on 9 October 2003 and placed on display at Bland Shire Council on 16 October 2003.
(b) <u>Cyanide monitoring</u> The Applicant shall prior to any tailings disposal prepare a cyanide monitoring program in consultation with the EPA and DMR, and to the satisfaction of the Director-General. The plan shall include, but not be limited to, provision for:		N/A	Plan will be prepared prior to ore processing commencing.
(i) monitoring of CN _{WAD} levels of the aqueous component of the tailings slurry stream at the discharge point to tailings dams twice daily or as otherwise directed by the Director-General, with any increases above 20mg CN _{WAD} /L to be		N/A	

	assessed daily and reported monthly to the DMR and EPA, unless otherwise agreed by the Director-General. If the CN _{WAD} levels of 30mg/L are exceeded in the liquid at any time, discharge to the tailings dams shall cease until CN _{WAD} levels can be achieved below the levels stated in condition 5.3(a) and such exceedence shall be reported to the EPA within 24 hrs;			
	(ii) monitoring CN _{WAD} levels in the decant water of the tailings dams twice daily or as otherwise directed by the Director-General;		N/A	
	(iii) an on site laboratory for quickly establishing CN _{WAD} levels in the liquid at the discharge point to tailings dams and in the decant ponds for monitoring purposes;		N/A	
	(iv) on-line monitoring of CN(FREE) at locations where employees are operating;		N/A	
	(v) establishing a monitoring regime for detection of cyanide movement beneath and adjacent to the tailings impoundments.		N/A	
	A summary of the cyanide monitoring results shall be provided to the Director-General, EPA and DMR on a three monthly basis, unless otherwise agreed by the Director-General. All results shall be included in the AEMR.		N/A	
8.3	<i>Air Quality and Dust</i>			
	The Applicant shall: (a) undertake monitoring at locations described in the dust management plan (condition 6.1);	Dust Management Plan Sep 2003	Yes	Dust deposition gauges have been installed at the location identified in the Dust Management Plan. A high volume sampler has been installed at the nearest residence (sensitive receptor) and operates on a 6 day cycle for TSP.
	(b) monitor dust deposition rates and concentrations of total suspended particulates (TSP) for the life of the mine, including monitoring impacts of dust on any surface water within the high water mark of Lake Cowal; and	Dust Management Plan Sep 2003	Yes	Dust deposition monitoring has been implemented in accordance with the Dust Management Plan. Dust deposition and TSP monitoring related to Lake Cowal waters has not been activated as the lake has been dry since the commencement of construction in January 2004.

	(c) provide all results and analysis of air quality monitoring in the AEMR including a determination of the dust deposition rate in gm/m ² /month, which shall be plotted in the AEMR.		N/A	
	(d) provide all results and analysis of air quality monitoring in the AEMR including a determination of the dust deposition rate in gm/m ² /month, which shall be plotted in the AEMR.		N/A	
8.4	<i>Noise and Blasting</i>			
8.4(a)	<i>Noise Investigations and Management</i>			
	The Applicant shall: (i) prior to mining operations develop a plan to conduct noise investigations at six monthly intervals (unless otherwise agreed by the Director-General) to evaluate, assess and report the LA ₁₀ (15 minute) noise emission levels due to normal operations of the mine under prevailing weather conditions, except during rain and/or wind speeds greater than 3m/s and/or temperature inversions. The methodologies, including establishing the mine's operating configuration, determining survey intervals, weather conditions, seasonal variations, selecting variations, selecting locations, periods and times of measurements, design of any noise modelling or other studies, including the means for determining the noise levels emitted by the mining operations, shall be in accordance with the requirements of the EPA;		N/A	
	(ii) if required from condition 8.4(a)(i) or if wildlife is significantly impacted as identified by monitoring actions undertaken in accordance with condition 3.4(a), survey and investigate noise reduction measures from plant and equipment at the conclusion of the first 12 months of ore processing operations in consultation with NPWS or as directed by the EPA; and		N/A	
	(iii) arrange independent noise emission investigations as provided in Condition 11.1.			

	A summary of noise monitoring results shall be included in the AEMR.		N/A	
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8.4b)	<u>Blasting</u>			
	The Applicant shall: (i) ensure that air blast overpressure and vibration monitoring and control is generally carried out in accordance with the recommendations of Australian Standard AS-2187-1993 or its latest version, and in terms of ANZECC guidelines, including compliance with the guideline titled "Technical Basis for Guidelines to Minimise Annoyance due to Blasting Overpressure and Vibration" or its latest version, to the satisfaction of the EPA;	Blast Management Plan Sep 2003	N/A	No blasting had occurred during the project establishment activities up to the time of the audit.
	(ii) design all blasts based on the results of monitored blasts designed to minimise air blast overpressure and ground vibration using the Nonel or equivalent system such that any one (1) blast has less than a five per cent (5%) probability of exceeding an air blast overpressure of 115dB (Peak Linear) and vibration with a peak particle velocity of 5mm/sec at the closest dwellings not owned by the Applicant outside the DA area, and bird breeding/roosting areas determined by the Applicant, in consultation with NPWS;		N/A	
	(iii) determine appropriate weather data by taking measurements as soon as practicable prior to blasting and from the data shall predict whether air blast overpressure levels outside the project area are likely to be increased above the levels expected under prevailing weather conditions. The data shall be recorded by the Applicant as part of its monitoring data;		N/A	Meteorological station has been installed in the permanent location on the mine lease and results are available continuously on the mine site computer system.
	(iv) not blast if the predictions in sub-clause (iii) herein indicate that air blast overpressure levels are likely to be exceeded at dwellings not owned by the Applicant;		N/A	
	(v) monitor all blasts and record the overpressure and peak particle velocity at locations to be agreed by EPA/DMR;	Blast Management Plan Section 5	N/A	
	A summary of blast monitoring results shall be included in the AEMR.		N/A	

8.5	Fauna and Flora Monitoring			
	The Applicant shall monitor the effectiveness of measures outlined in the fauna management plan and Threatened Species Protocol (condition 3.4). A summary of monitoring results shall be included in the AEMR.	Flora and Fauna Management Plan Oct 2003 Implementation of the Threatened Species Management Plan Oct 2003	N/A	
8.6	Cultural Heritage Monitoring			
	The Applicant shall monitor the effectiveness of measures outlined in the archaeology and heritage management plan (condition 3.3). A summary of monitoring results shall be included in the AEMR.	Indigenous Archaeology and Cultural Heritage Management Plan	Yes	
8.7	Community Consultative Committee			
	<u>Community Environmental Monitoring and Consultative Committee (CEMCC)</u>			
	<p>The Applicant shall:</p> <p>(i) establish a Community Environmental Monitoring and Consultative Committee and ensure that the first meeting is held before the commencement of construction works. Selection of representatives shall be agreed by the Director-General and the appointment of an independent Chairperson shall be to the satisfaction of the Director-General in consultation with the Applicant and BSC. The Committee shall comprise two (2) representatives of the Applicant (including the Environmental Officer), one (1) representative of BSC, one (1) representative of the Lake Cowal Environmental Trust (but not a Trust representative of the Applicant), four community representatives (including one member of the Lake Cowal Landholders Association), to monitor compliance with conditions of this consent and other matters relevant to the operation of the mine during the term of the consent.</p> <p>Representatives from relevant government agencies (including DUAP) may be invited to attend meetings as required by the Chairperson. The Committee may make</p>	<ul style="list-style-type: none"> • Letter from BSC re Delegate to the CEMCC, 8 April 2004 • Charter of the CEMCC • CEMCC Minutes 15 Oct 2003 • CEMCC Minutes 18 Feb 2004 • CEMCC Minutes 2 June 2004 	Yes	<p>A community environmental monitoring and consultative committee (CEMCC) was established and the inaugural meeting of the CEMCC occurred on 15 October 2003.</p> <p>The meeting minutes were made available at Bland Shire Council for inspection on 29 October 2003.</p> <p>Meetings of the CEMCC have been held on 15 Oct 2003 (prior to commencement of construction), 18 February 2004 and 2 June 2004.</p> <p>Cr D I Bolte elected as the BSC delegate to the CEMCC in April 2004.</p>

	<p>comments and recommendations about the implementation of the development and environmental management plans. The Applicant shall ensure that the Committee has access to the necessary plans for such purposes. The Applicant shall consider the recommendations and comments of the Committee and provide a response to the Committee and Director-General.</p>			
	<p>(ii) The Applicant shall, at its own expense:</p> <p>a) nominate two (2) representatives to attend all meetings of the Committee;</p> <p>b) provide to the Committee regular information on the progress of work and monitoring results;</p> <p>c) promptly provide to the Committee such other information as the Chair of the Committee may reasonably request concerning the environmental performance of the development;</p> <p>d) provide access for site inspections by the Committee;</p> <p>e) provide meeting facilities for the Committee, and take minutes of Committee meetings. These minutes shall be available for public inspection at BSC within 14 days of the meeting.</p>		Yes	
	<p>(iii) The Applicant shall establish a trust fund to be managed by the Chair of the Committee to facilitate the functioning of the Committee, and pay \$2000 per annum to the fund for the duration of gold processing operations. The annual payment shall be indexed according to the Consumer Price Index (CPI) at the time of payment. The first payment shall be made by the date of the first Committee meeting. The Applicant shall also contribute to the Trust Fund reasonable funds for payment of the independent Chairperson, to the satisfaction of the Director-General.</p>	<ul style="list-style-type: none"> Letter from BSC re CEMCC, 22 Oct 2003 	Yes	<p>Barrick has paid \$2000 to Bland Shire Council to be held in trust for the purpose of the CEMCC.</p> <p>BSC acknowledged receipt of \$2000 on 15 Oct 2003 to be held in trust for the purposes of the CEMCC and provided a letter to Barrick on 22 Oct 2003.</p>
	<p>(ix) By year 5 of mining operations the Applicant shall, in consultation with CEMCC, identify and discuss post mining issues, particularly in relation to reduced</p>		N/A	

	employment and consequent impacts on West Wyalong, and develop a plan for the phase out of the mine workforce. The plan will be reviewed during the year of mining operations following the scale down of the year 8 mining operation workforce. The impacts of the year 8 scale down shall be monitored by the Applicant and results used in planning for full mine closure.			
	(x) The Applicant shall, in consultation with the CEMCC, develop appropriate strategies to support activities which promote special interest tourism related to the co-existence of mining and the Lake Cowal environment.		Noted	
8.8	Third Party Monitoring/Auditing			
	(a) An Independent Environmental Audit shall be completed: <ul style="list-style-type: none"> • six monthly during construction; • 12 months after commencement of ore processing; • then every three years thereafter until decommissioning of the mine and ore processing operations respectively, or as otherwise directed by the Director-General. 		Yes	This audit has been conducted to address the requirements for the first six months of construction activities at the Cowal Gold Project.
	The Applicant shall conduct an environmental audit of the mining and infrastructure areas of the development in accordance with ISO 14010 - Guidelines and General Principles for Environmental Auditing, and ISO 14011 - Procedures for Environmental Auditing (or the current versions), and in accordance with any specifications required by the Director-General. Copies of the report shall be submitted by the Applicant to the Director-General, BSC, EPA, DLWC, DMR, NPWS and CEMCC within two weeks of the report's completion for comment.	AS14010 and 14011.	Yes	
	(i) The audit shall: <ol style="list-style-type: none"> a. assess compliance with the requirements of this consent, licences and approvals; b. in the event of any non-compliance, report on the 	<ul style="list-style-type: none"> • Letter from Barrick to DIPNR re Independent Audit, 8 June 2004 • Letter from DIPNR re 	Yes	Consultation was held with the CEMCC and BSC in relation to the acceptance of the nominated auditors Trevor Brown and Bob Drury, for the independent audit.

<p>effectiveness of the environmental management of the mine as it may relate to the area of non-compliance;</p> <p>c. be carried out at the Applicant's expense; and</p> <p>d. be conducted by a duly qualified independent person or team approved by the Director-General in consultation with BSC and CEMCC.</p>	<p>Independent Audit 15 Jun 2004</p>		
<p>(ii) The Director-General may, after considering any submission made by the relevant government agencies, BSC and CEMCC on the report, notify the Applicant of any requirements with regard to any recommendations in the report. The Applicant shall comply with those reasonable requirements within such time as the Director-General may require.</p>		<p>Noted</p>	
<p>(b) <u>Independent Monitoring Panel</u></p>			
<p>(i) The Applicant shall at its own cost establish an Independent Monitoring Panel prior to commencement of construction. The Applicant shall contribute \$30,000 per annum for the functioning of the Panel, unless otherwise agreed by the Director-General. The annual payment shall be indexed according to the Consumer Price Index (CPI) at the time of payment. The first payment shall be paid by the date of commencement of construction and annually thereafter. Selection of the Panel representatives shall be agreed by the Director-General in consultation with relevant government agencies and the CEMCC. The Panel shall at least comprise two duly qualified independent environmental scientists and a representative of the Director-General.</p>	<p>• Letter from DIPNR re Nominations for the IMP, 15 Oct 2003</p>	<p>Yes</p>	<p>An independent monitoring panel has been established by Barrick with two independent environmental scientists on the panel nominated by the Director-General after consultation with relevant Government agencies and the CEMCC. Nominated members accepted by the Director-General for the IMP are:</p> <p>Ms Margaret McDonald-Hill Chairperson Mr Allen Kearns Deputy Chief CSIRO Sustainable Ecosystems Prof. Clive Bell, Executive Director Australian Centre for Mining Environmental Research.</p> <p>Barrick deposited \$30,000 into a special account on 20 November 2003 for the functioning of the panel [Citibank – branch No 102, account No 336449049.]</p>
<p>(ii) The panel shall:</p> <p>a. provide an overview of the independent audits required by condition 8.9 above;</p> <p>b. regularly review all environmental monitoring procedures undertaken by the Applicant, and</p>		<p>Noted</p>	

	<p>monitoring results; and</p> <p>c. provide an Annual State of the Environment Report for Lake Cowal with particular reference to the on-going interaction between the mine and the Lake and any requirements of the Director-General. The first report shall be prepared one year after commencement of construction. The report shall be prepared annually thereafter unless otherwise directed by the Director-General. Copies of the report shall be provided to those parties which receive the AEMR (condition 9.2) and shall be made publicly available at Bland Shire Council within two weeks of the report's completion.</p>			
9	REPORTING			
9.1	Reports on Operations			
	The Applicant shall report on mine operations in accordance with the mine operations plan (condition 2.1).	Initial Mine Operations Plan – Cowal Gold Project March 2004	Noted	
9.2	Environmental Reporting			
	<u>Annual Environmental Management Report (AEMR)</u>		Noted	
	(i) The Applicant shall, throughout the life of the mine and for a period of at least five years after the completion of ore processing operations, prepare and submit an Annual Environmental Management Report (AEMR) to the Director-General. The AEMR shall review the performance of the mine against the environmental management plans (refer condition 3.2), Mining Operations Plan (refer condition 2.1), the conditions of this consent, and other licences and approvals relating to the mine. To enable ready comparison with EIS predictions, diagrams and tables, the report shall include, but not be limited to, the following matters:	Meeting Agenda 31 March 2004 Annual Environmental Management Report Meeting		A meeting was held with of the Mining, Rehabilitation and Environmental Management Process Committee (MREMP) on 31 March 2004 to discuss the Annual Environmental Management Report. The participants included DMR, EPA, DLWC, Councils, Dam Safety Committee representatives, National Parks and Lands representatives.
	a) an annual compliance audit of the performance of the project against conditions of this consent and statutory approvals;		N/A	The first AEMR will be prepared for the January to December 2004 period in accordance with the requirements of this condition.
	b) a review of the effectiveness of the environmental management of the mine in terms of EPA, DLWC, DMR,			

	<p>NPWS, NSW Fisheries, and BSC requirements;</p> <p>c) results of all environmental monitoring required under this consent or other approvals, which includes interpretation and discussion by a suitably qualified person;</p> <p>d) from results of fauna monitoring, records of any fauna deaths due to mine operations;</p> <p>e) a listing of any variations obtained to approvals applicable to the subject area during the previous year;</p> <p>f) the outcome of the water budget for the year and the quantity of water used from water storages and Bland Creek palaeochannel borefield;</p> <p>g) rehabilitation report;</p> <p>h) environmental management targets and strategies for the next year.</p>			
	<p>(ii) In preparing the AEMR, the Applicant shall:</p> <p>a) consult with the Director-General during preparation of each report for any additional requirements;</p> <p>b) comply with any requirements of the Director-General or other relevant government agency; and</p> <p>c) ensure that the first report is completed and submitted within twelve (12) months of this consent, or at a date determined by the Director-General in consultation with DMR.</p>		N/A	
	<p>(iii) The Applicant shall ensure that copies of each AEMR are submitted at the same time to the Director-General, EPA, DLWC, DMR, DSC, NPWS, NSW Fisheries, the BSC and CEMCC, and be available for public information at the BSC within 14 days of submission to these authorities.</p>		Noted	

10	COMMUNITY CONSULTATION/OBLIGATIONS			
10.1	Community Consultation (including Aboriginal community)			
	<p>(a) <u>Complaints</u> The Environmental Officer (refer condition 3.1) shall be responsible:</p> <p>(i) for receiving complaints with respect to construction works and mine operations on a dedicated and publicly advertised telephone line, 24 hours per day 7 days per week, entering complaints or comments in an up to date log book, and ensuring that a response is provided to the complainant within 24 hours; and</p> <p>(ii) providing a report of complaints received every six months throughout the life of the project to the Director-General, BSC, EPA, DMR, and CEMCC, or as otherwise agreed by the Director-General. A summary of this report shall be included in the AEMR (condition 9.2(a)).</p>		Yes	<p>A dedicated 24 hrs per day, 7 days per week complaints and concerns telephone line (02 6975 3454) was established on 9 December 2003.</p> <p>The complaints line was advertised on Friday 12 December 2003 and Tuesday 16 December 2003 in the West Wyalong Advocate.</p> <p>A complaints register is maintained by Cowal Gold and responses to complaints are recorded</p>
11.	11. PROPONENTS OBLIGATIONS			
11.1	Area of Affection - Land Acquisition (including resolution of disputes)			
	<p><i>Note: In Condition 11.1 (a)-(e) "land" means the whole of a lot in a current plan registered at the Land Titles Office as at the date of this consent.</i></p> <p>(a) (i) In the event that landowners consider that noise and/or dust from the Cowal Gold mining operations at their dwelling(s) is in excess of the criteria set out in this consent or the relevant EPA amenity criteria for noise and/or dust levels, and the Director-General, in consultation with the EPA, is satisfied that an investigation is required, the Applicant shall upon receipt of a written request:</p> <ul style="list-style-type: none"> • appoint a qualified independent person to undertake direct discussions with the landowners affected to ascertain their concerns and to plan and implement an 		N/A	

<p>investigation to quantify the impact and determine the sources of the effect, and bear the cost of the independent investigation and make available plans, programmes and other information necessary for the independent person to form an appreciation of the past, present and future mining operations and their effects on noise and/or dust emissions.</p>			
<p>ii) The investigation is to be carried out by a qualified independent person in accordance with a documented Plan. The Plan shall be designed and implemented to measure and/or compute (with appropriate calibration by measurement) the relevant noise and/or dust levels at the complainant's dwelling emitted by the current normal mining operations.</p>		N/A	
<p>iii) The independent person, the Plan and the timing of its implementation shall be approved by the Director-General, in consultation with BSC, the EPA, the affected landowner and the Applicant. A report of the investigation shall be provided to the Director-General, the EPA, the Applicant and the affected landowner.</p>		N/A	
<p>iv) The results of the investigation shall be assessed and reported by the independent person in the light of the mine's current operations and proposed short, medium and long term development plans.</p>		N/A	
<p>v) If the independent noise and/or dust investigation finds that the relevant criteria are being exceeded by noise and/or dust emission from normal mining operations, the Applicant shall:</p> <ul style="list-style-type: none"> • modify those areas of the mining operation which are causing the exceedances; or • undertake other measures, as agreed with the affected landowner, to ameliorate the effects of the impact, within three (3) months or as otherwise directed by the EPA. 		N/A	
<p>(vi) Within two (2) months after the expiry of the three (3) month period in sub-clause (v) above, and upon written request from the landowner, the Applicant shall arrange</p>		N/A	

	for a further independent noise and/or dust investigation to be completed.			
	(vii) If the investigation in sub-clause (vi) above finds that the relevant noise and/or dust emission levels from normal mine operations exceed relevant amenity criteria, the Applicant shall purchase the property within six months of receipt of a written request from the owner of the affected property.		N/A	
	(viii) Further independent investigations shall cease if the Director-General, in consultation with the EPA is satisfied that the relevant consent limits or EPA amenity criteria are not being exceeded and are unlikely to be exceeded in the future.		N/A	
	(b) In respect of a request to purchase land arising under Condition 11.1(a), the Applicant shall pay the owner the acquisition price which shall take into account and provide payment for: (i) a sum not less than the current market value of the owner's interest in the land used for its existing use at the date of this consent who is the occupier and all improvements thereon at this date as if the land was unaffected by the development proposal. (ii) the owner's reasonable compensation for disturbance allowance and relocation costs within the Bland or Forbes Local Government Areas. (iii) the owner's reasonable costs for obtaining legal advice and expert witnesses for the purposes of determining the acquisition price of the land and the terms upon which it is to be acquired.		N/A	
	(c) In the event that the Applicant and any owner referred to in Condition 11.1(a) cannot agree within the time limit upon the acquisition price of the land and/or the terms upon which it is to be acquired, then:		N/A	
	(i) either party may refer the matter to the Director-General, who shall request the President of the Australian Institute of Valuers and Land Economists to appoint a		N/A	

<p>qualified independent valuer, suitably qualified in compensation issues, who shall determine, after consideration of any submissions from the land owner and the Applicant, the acquisition price.</p>			
<p>(ii) in the event that the independent valuer requires guidance on any contentious legal, planning or other issues, the independent valuer shall refer the matter to the Director-General, who if satisfied that there is need for a qualified panel, shall arrange for the constitution of the panel. The panel shall consist of:</p> <ol style="list-style-type: none"> 1) the appointed independent valuer, 2) the Director-General, and/or 3) the President of the Law Society of NSW or his/her nominee. <p>The qualified panel shall, on the advice of the valuer, determine the issue referred to it and advise the valuer.</p>		N/A	
<p>(d) The Applicant shall bear the costs of any valuation or survey assessment requested by the Director-General in accordance with Conditions 11.1(a) - 11.1(c).</p>		Noted	
<p>(e) Upon receipt of a valuation, the Applicant shall offer to acquire the relevant land at a price not less than the said valuation. Should the Applicant's offer to acquire not be accepted by the owner within six (6) months of the date of such offer, the Applicant's obligations to such owner and in respect of that property under Conditions 11.1(a) - 11.1(e) above shall cease.</p>		N/A	

12.	FURTHER APPROVALS AND AGREEMENTS			
12.1	Statutory Requirements			
	<p>The Applicant shall ensure that all statutory requirements including but not restricted to those set down by the Local Government Act 1993, Pollution Control Act 1970, Clean Air Act 1961, Clean Water Act 1970, Noise Control Act 1975, Protection of the Environment Administration Act 1991, Protection of the Environment Operations Act 1997, National Parks and Wildlife Act 1974, and all other relevant legislation, Regulations, Australian Standards, Codes, Guidelines and Notices, Conditions, Directions, Notices and Requirements issued pursuant to statutory powers by the BSC, EPA, DMR, DSC, NPWS, DLWC, RTA, NSW Agriculture, NSW Fisheries, and RAC, are fully met.</p>		Noted	<p>Barrick has obtained approvals etc under the relevant statutory requirements for the Cowal Gold Project:</p> <p>Environment Protection Licence No. 11912 (EPA)</p> <p>Mining Lease No. 5135 (DMR)</p> <p>Section 87 Permits No. 1361, 1648 and 1681 (NPWS-DEC)</p> <p>Section 90 Consents to Destroy No. 1467 and 1680 (NPWS-DEC)</p> <p>Part 3A Permits No.703A01055 and 703A010056 (DLWC_DIPNR)</p> <p>Bore Licence Certificates (DLWC-DIPNR)</p> <p>Enclosure Permit No. 353669 (DLWC-DIPNR)</p> <p>Development Applications No.118/03 and 139/03 (BSC)</p>

APPENDIX B ENVIRONMENT PROTECTION LICENCE

APPENDIX B



Environment Protection Licence No. 11912 – Cowal Gold Mine

EPL No.	EPL Condition	Audit Evidence	Compliance	Comments
	Premises includes the land defined by ML 1535, the pipeline easement, new TSR and road, borefield and new TSR and road as described on Figure 1 held on EPA file No. 290738A6. Note: The premise is located in both the Bland and Forbes Shires.			Noted
A4.2	For the purposes of condition A4.1, the licence application includes : 1) Development Consent Cowal Project 2) Cowal Gold project- EIS 3) List of Initial development activities associated with the construction of the Cowal Gold Project. 4) The Cowal Gold Project –Species Impact Statement (Appendix A in Vol 2 of the Cowal Gold Project EIS).			Noted
Discharges to air and water and applications to land				
P1.1	The following points referred to in the table are identified in this licence for the purposes of monitoring and/or the setting of limits for the emission of pollutants to the air from the point.		Yes	The monitoring of dust (points 1-5) has been conducted in accordance with the licence condition.
P1.2	The following points referred to in the table are identified in this licence for the purposes of the monitoring and/or the setting of limits for discharges of pollutants to water from the point.		Yes	The permanent groundwater monitoring piezometers in the areas of the northern and southern tailings storage and the pit dewatering bores (i.e. points 19-40) are to be installed when the construction of the tailings storage areas are complete and the area of the piezometers will not be further disturbed. Monitoring will commence prior to any tailings

				<p>being placed in the storage areas. The pit dewatering piezometers will be installed when the surface works around the pit area are complete. The monitoring of groundwater quality has been conducted in existing piezometers installed on the mine lease area to provide background data and many of these bores will be retained and monitored in addition to the EPL specified monitoring points.</p> <p>Surface water sampling in Lake Cowal (i.e. points 14-18) and stormwater quality monitoring (points 12-13) have not been conducted as there is no water in Lake Cowal or surface runoff.</p> <p>Groundwater monitoring has been conducted quarterly using a Grunfos pump to collect the water samples. Modification to the water collection procedure is to be trialled to replace the Grunfos pump that does not meet the electrical tagging safety standard.</p>
P1.3	The following utilisation areas referred to in the table below are identified in this licence for the purposes of the monitoring and/or the setting of limits for any application of solids or liquids to the utilisation area.		Noted N/A	
Weather monitoring				
P2.1	The following points in the table are identified in this licence for the purposes of the monitoring of weather parameters at the point.	Blast Management Plan Figure 1	Yes	The meteorological station has been relocated to the permanent site in accordance with the Blast Management Plan.
Limit conditions				
L1.1	Except as may be expressly provided in any other condition of this licence, the licensee must comply with section 120 of the Protection of the Environment Operations Act 1997.		Noted	
Waste				

L5.1	The licensee must not cause, permit or allow any waste generated outside the premises to be received at the premises for storage, treatment, processing, reprocessing or disposal or any waste generated at the premises to be disposed of at the premises, except as expressly permitted by the licence.		Yes	No waste material had been received onto the mining lease area during the initial 6 month construction period.
Noise Limits				
L6.1	Noise generated at the premises must not exceed the noise limits presented in the table below. The modification factors presented in Section 4 of the NSW Industrial Noise Policy shall also be applied to the measured noise levels where applicable. Note that the noise limits represent the noise contribution from the premises.		Yes	Current construction activities were not audible beyond the mining lease boundary during the site inspection.
L6.4	The airblast overpressure level from blasting operations in or on the premises must not exceed: (a) 115 dB (Lin Peak) for more than 5% of the total number of blasts during the reporting period for Monday to Saturday 0900 hrs to 1700 hrs; (b) 120 dB (Lin Peak) at any time, at blast monitoring locations BM01, BM02, BM03, BM04 and BM05 identified on Figure 2, Blast Monitoring Locations in report Blast Management Plan, Cowal Gold Project, August 2003		N/A	No blasting had occurred at the project site up to the time of the audit.
L6.5	The ground vibration peak particle velocity from blasting operations carried out in or on the premises must not exceed: (c) 5mm/s for more than 5% of the total number of blasts during the reporting period for Monday to Saturday 0900 hrs to 1700 hrs;		N/A	No blasting had occurred at the project site up to the time of the audit.

	(d) 10mm/s at any time, at blast monitoring locations BM01, BM02, BM03, BM04 and BM05 identified on Figure 2, Blast Monitoring Locations in report Blast Management Plan, Cowal Gold Project, August 2003.			
Operating conditions Operating conditions				
O1.1	Licensed activities must be carried out in a competent manner. This includes: (a) the processing, handling, movement and storage of materials and substances used to carry out the activity; and (b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.		Noted	
O2.1	All plant and equipment installed at the premises or used in connection with the licensed activity: (a) must be maintained in a proper and efficient condition; and (b) must be operated in a proper and efficient manner.		Noted	
O2.2	All persons associated with the licensee including employee's, agents' licensee, contractors and subcontractors must be advised of their responsibilities and liabilities under the Protection of the Environment Operations Act 1997.		Yes	The Barrick induction that is provided to all personnel entering or working on the site includes information on environmental management generally and specifically in relation to responsibilities under the POEO Act.

Bunding Requirements				
<p>O3.1</p>	<p>All above ground storage facilities containing flammable and combustible liquids must be banded in accordance with Australian Standard AS1940 (1993) as in force from time to time.</p>		<p>Yes</p>	<p>Diesel storage at the Mine Administration area is within a bund with a paved area provided for the distribution pump and delivery system.</p> <p>The fuel storage area for the contractors compound will be installed as the site is developed.</p> <p>The fuel storage at the drillers compound is within a portable bund.</p>
		 <p>Plate B: Fuel storage at Drillers Compound – Cowal Gold Project</p>		

Waste Rock Emplacements, Tailings Facilities and Water Storage Facilities				
O4.1	The waste rock emplacements areas, and the perimeter waste emplacement must be located on a basal footprint base drainage control zone with an equivalent permeability of 1×10^{-9} metres per second over a thickness minimum slope towards the open pit of 1 metre. In addition, the basal footprints for (vertical):200 (horizontal) and be designed to ensure all seepage from beneath the waste rock emplacement areas and Perimeter Waste Emplacement bund must ensure all seepage from this area the perimeter waste emplacement is directed towards the open pit.		N/A	
O4.2	The tailings storage facilities and contained water storage facilities must have a basal barrier or impermeable liner with an equivalent permeability of 1×10^{-9} metres per second over a thickness of 1 metre.		N/A	
Sediment and Erosion Controls Sediment and Erosion Controls				
O5.1	Water captured in the temporary sediment basin located behind the temporary isolation bund must be pumped to a contained water storage, other than D1 or D4, and then re-used within the up-catchment diversion system identified in the document titled "Cowal Project Environmental Impact Statement Main Report Fig. 2-17.		N/A	
O5.2	The licensee must install effective sediment and erosion controls on the premises prior to each act of vegetation removal, earth moving or related activities on the premises, that are consistent with the detailed sediment and erosion control plans approved by the EPA under condition E1.	Erosion and Sediment Control Management Plan Oct 2003 Letter from EPA re Draft Erosion and Sediment Control Management Plan 25 Sep 2003 Letter from EPA re Draft Erosion and Sediment Control Management Plan 23 June 2004 Letter from EPA re Draft Erosion and Sediment	Yes	Erosion and sediment control plans have been prepared and approved for the following areas: <ul style="list-style-type: none"> ▪ Travelling Stock Reserve Road Construction, Gilbert & Associates, 18 December 2003 ▪ Preliminary Earthworks for Mine Development Works (Isolation Bunds,

		Control Management Plan 14 May 2004 Letter from EPA re Draft Erosion and Sediment Control Management Plan 10 June 2004 Letter from EPA re Draft Erosion and Sediment Control Management Plan 23 June 2004		Northern Tailings Storage Facility, Soil Stockpiles, External Drainage System, Internal Drainage, Mine Access Road, Tailings Service Corridor), URS, 23 April 2004 <ul style="list-style-type: none"> ▪ Pit Dewatering Works (Dewatering Bores for Open Pit), URS, 23 April 2004 ▪ Contained Water Storage Facilities, URS 10 June 2004
Dust Controls				
O6.1	All activities at the premises that are likely to generate dust must be carried out in a manner that minimises the generation of dust.		Noted	
O6.2	For the purposes of O6.1 - all activities include, but are not limited to: <ul style="list-style-type: none"> • Areas disturbed by construction and/or operational activities; • Areas disturbed by mining activities, including waste emplacement areas and other portions of the mine site exposed to wind; • Waste rock handling and stockpiling activities (including loading and unloading, spreading and shaping waste rock); • Movement of vehicles on unsealed roads for general mining activities; • Topsoil stripping and stockpiling; • Drilling and blasting; and • Crushing, screening, transport and preparation of ore. 		Yes	Dust generation from the construction activities is managed using water carts. The construction areas where major earth moving is occurring is dampened on a regular basis. During the site inspection dust generation was controlled with no significant dispersion observed in the area of the pipeline trenching or the temporary bund construction.
Offensive Odour				
O7.1	The licensee must not cause or permit the emission of offensive odours from the premises, as identified under Section 129 POEOAct 1997.		Noted	


Monitoring and recording conditions				
M1.1	The results of any monitoring required to be conducted by this licence or a load calculation protocol must be recorded and retained as set out in this condition.	Environmental Management File 5.09 - Monitoring Environmental Management File 5.09	Noted	
M1.2	All records required to be kept by this licence must be: (a) in a legible form, or in a form that can readily be reduced to a legible form; (b) kept for at least 4 years after the monitoring or event to which they relate took place; and (c) produced in a legible form to any authorised officer of the EPA who asks to see them.	Environmental Management File 5.09 - Monitoring Environmental Management File 5.09 EQWin Database	Yes	Field notes related to environmental monitoring are entered onto Field Sheets that identify the monitoring point, field conditions, and field measurement results, and these sheets are filed in the Environment Section and relevant data entered into the EQWin Database.
M1.3	The following records must be kept in respect of any samples required to be collected for the purposes of this licence: (a) the date(s) on which the sample was taken; (b) the time(s) at which the sample was collected; (c) the point at which the sample was taken; and (d) the name of the person who collected the sample.	EQWin Database	Yes	The monitoring data collected by Cowal Gold Project to meet the requirements of the EPL is entered into a computerised database (EQWin) and includes all information required by this condition.
Requirement to monitor concentration of pollutants discharged				
M2.1	For each monitoring/discharge point or utilisation area specified (by a point number), the licensee must monitor (by sampling and obtaining results by analysis) the concentration of each pollutant specified in Column 1. The licensee must use the sampling method, units of measure, and sample at the frequency, specified opposite in the other columns.			Monitoring of locations and for parameters specified in the licence conditions has been implemented where or when water or flow occurs (the drought conditions have resulted in Lake Cowal being dry and stormwater runoff from the mining lease area has not occurred).

M2.2	<p>The monitoring requirements specified in M2.1 do not come into effect for point 11 until construction of storage D7.</p> <p>The monitoring requirements specified in M2.1 do not come into effect for point 12 until construction of the storage D1.</p> <p>The monitoring requirements specified in M2.1 do not come into effect for point 13 until construction of the storage D4.</p>		Noted N/A	
Testing methods - concentration limits				
M3.1	<p>Monitoring for the concentration of a pollutant emitted to the air required to be conducted by this licence must be done in accordance with:</p> <p>(a) any methodology which is required by or under the Act to be used for the testing of the concentration of the pollutant; or</p> <p>(b) if no such requirement is imposed by or under the Act, any methodology which a condition of this licence requires to be used for that testing; or</p> <p>(c) if no such requirement is imposed by or under the Act or by a condition of this licence, any methodology approved in writing by the EPA for the purposes of that testing prior to the testing taking place.</p> <p>Note: The Clean Air (Plant & Equipment) Regulation 1997 requires testing for certain purposes to be conducted in accordance with test methods contained in the publication "Approved Methods for the Sampling and Analysis of Air Pollutants in NSW".</p>		Noted	<p>All analysis for air quality will be carried out by Australian Laboratory Services (ALS), that is NATA registered laboratory for analysis of all the parameters required to be tested by the Cowal Gold Project to meet regulatory requirements.</p>

M3.2	Subject to any express provision to the contrary in this licence, monitoring for the concentration of a pollutant discharged to waters or applied to a utilisation area must be done in accordance with the Approved Methods Publication unless another method has been approved by the EPA in writing before any tests are conducted.		Noted	All analysis of waters will be carried out by Australian Laboratory Services (ALS), that is NATA registered laboratory for analysis of all the parameters required to be tested by the Cowal Gold Project to meet regulatory requirements.
Recording of pollution complaints				
M4.1	The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of the licensee in relation to pollution arising from any activity to which this licence applies.		Yes	A complaints register is maintained by Barrick in accordance with the condition and responses to the complainants are also recorded.
M4.2	The record must include details of the following: (a) the date and time of the complaint; (b) the method by which the complaint was made; (c) any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect; (d) the nature of the complaint; (e) the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and (f) if no action was taken by the licensee, the reasons why no action was taken.		Yes	A complaints register is maintained by Barrick in accordance with the condition and responses to the complainants are also recorded.
M4.3	The record of a complaint must be kept for at least 4 years after the complaint was made.		Noted	
M4.4	The record must be produced to any authorised officer of the EPA who asks to see them.		Noted	

Telephone complaints line				
M5.1	The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.		Yes	The complaints and concerns telephone line (02 6975 3454) was established on 9 December 2003. The complaints line was advertised on Friday 12 December 2003 and Tuesday 16 December 2003 in the West Wyalong Advocate.
M5.2	The licensee must notify the public of the complaints line telephone number and the fact that it is a complaints line so that the impacted community knows how to make a complaint.		Yes	
M5.3	Conditions M5.1 and M5.2 do not apply until 3 months after: (a) the date of the issue of this licence or (b) if this licence is a replacement licence within the meaning of the Protection of the Environment Operations (Savings and Transitional) Regulation 1998, the date on which a copy of the licence was served on the licensee under clause 10 of that regulation.		Yes	
Blasting monitoring				
M7.1	To determine compliance with condition(s) L6.4 and L6.5: (a) Airblast overpressure and ground vibration levels must be measured at BM01 (Point 8), BM02 (Point 9), BM03 (Point 10), BM04 (Point 41) and BM05 (Point 42) identified on Figure 2, Blast Monitoring Locations in report Blast Management Plan, Cowal Gold Project, August 2003 – for all blasts carried out in or on the premises; and (b) Instrumentation used to measure the blast		N/A	No blasting had occurred during the construction activities at the project site up to the time of the audit.

	<p>monitoring locations BM01 (Point 8), BM02 (Point 9), BM03 (Point 10), BM04 (Point 41) and BM05 (Point 42) identified on Figure 2, Blast Monitoring Locations in report Blast Management Plan, Cowal Gold Project, August 2003 must meet the requirements of Australian Standard 2187.2 of 1993.</p>			
Noise Monitoring				
M8.1	<p>Within 90 days of the commencement of normal operations a compliance test must be carried out by an accredited acoustic consultant indicating the level of noise emanating from the premises (LA10 T, Laeq T) measured between 10 and 15 minutes (except where specifically indicated) and representative of the noisiest activity on the premises. In the case of operations, the compliance test must cover a minimum of one 24 hour period including day, evening and night measurements with sampling periods each day, evening, or night period. The measurement or computation, unless otherwise specified must be carried out at the worst affected residential boundaries and/or sensitive area in the vicinity of the works. The noise measurements must be undertaken at the sites identified in condition L6.1. The detailed methodology, timing, time of day, atmospheric conditions together with the operating conditions of the plant, equipment or process under which the tests are made must be noted and reported. The results of the tests must be reported to the EPA within 28 days of the testing being completed.</p>		N/A	

Requirement to monitor weather				
M9.1	For each monitoring point specified in the table below, the licensee must monitor (by sampling and obtaining results by analysis) the parameters specified in Column 1. The licensee must use the sampling method, units of measure, averaging period and sample at the frequency, specified opposite in the other columns.	<p>Computer system – meteorological database</p>  <p>Plate C – Meteorological Station – Cowal Gold Project</p>	Substantially compliant	<p>Meteorological station has been installed west of the Mine Administration compound adjacent to the new TSR alignment and east of the southern tailings emplacement area. The station has:</p> <ul style="list-style-type: none"> • Rainfall gauge for continuous measurement • Wind speed and direction at 10 metres • Temperature measurement at 2 and 10 metres • Solar radiation <p>The meteorological station transmits data to a computer in the Environment Section providing real time measurements at 30 second intervals and averaged results for the past 15 mins. In the event of wind speed greater than 20km/hr an alarm is triggered at the computer terminal. The met data is retained on the computer system.</p> <p>The met station has a temperature measurement at 2m but there is not a probe at 10m as required by the condition.</p> <p>Arrangements for the installation of the 10m temperature probe was reported to have been initiated following the audit.</p>
Reporting conditions				
Annual return documents				
R1.1	<p>What documents must an Annual Return contain?</p> <p>The licensee must complete and supply to the EPA an Annual Return in the approved form comprising:</p> <p>(a) a Statement of Compliance; and</p>		N/A	

	<p>(b) a Monitoring and Complaints Summary.</p> <p>A copy of the form in which the Annual Return must be supplied to the EPA accompanies this licence. Before the end of each reporting period, the EPA will provide to the licensee a copy of the form that must be completed and returned to the EPA.</p>			
R1.2	<p>Period covered by Annual Return</p> <p>An Annual Return must be prepared in respect of each reporting period, except as provided below.</p> <p>Note: The term "reporting period" is defined in the dictionary at the end of this licence. Do not complete the Annual Return until after the end of the reporting period.</p>		Noted	
R1.3	<p>Where this licence is transferred from the licensee to a new licensee,</p> <p>(a) the transferring licensee must prepare an Annual Return for the period commencing on the first day of the reporting period and ending on the date the application for the transfer of the licence to the new licensee is granted; and</p> <p>(b) the new licensee must prepare an Annual Return for the period commencing on the date the application for the transfer of the licence is granted and ending on the last day of the reporting period.</p> <p>Note: An application to transfer a licence must be made in the approved form for this purpose.</p>		Noted	
R1.4	<p>Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual Return in</p>		Noted	

	<p>respect of the period commencing on the first day of the reporting period and ending on</p> <p>(a) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or</p> <p>(b) in relation to the revocation of the licence - the date from which notice revoking the licence operates.</p>			
R1.5	<p>Deadline for Annual Return</p> <p>The Annual Return for the reporting period must be supplied to the EPA by registered post not later than 60 days after the end of each reporting period or in the case of a transferring licence not later than 60 days after the date the transfer was granted (the 'due date').</p>		Noted	
R1.7	<p>Licensee must retain copy of Annual Return</p> <p>The licensee must retain a copy of the Annual Return supplied to the EPA for a period of at least 4 years after the Annual Return was due to be supplied to the EPA.</p>		Noted	
R1.8	<p>Certifying of Statement of Compliance and Signing of Monitoring and Complaints Summary</p> <p>Within the Annual Return, the Statement of Compliance must be certified and the Monitoring and Complaints Summary must be signed by:</p> <p>(a) the licence holder; or</p> <p>(b) by a person approved in writing by the EPA to sign on behalf of the licence holder.</p>		Noted	
R1.9	<p>A person who has been given written approval to certify a certificate of compliance under a licence issued under the Pollution Control Act 1970 is taken to be approved for the purpose of this condition until the date of first review of this</p>		Noted	

	licence.			
Notification of environmental harm				
R2.1	Note: The licensee or its employees must notify the EPA of incidents causing or threatening material harm to the environment as soon as practicable after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act. Notifications must be made by telephoning the EPA's Pollution Line service on 131 555.	Incident Report of Minor Diesel Spill 17 March 2004.	Yes	Notification made to EPA by phone and email re minor diesel spill that occurred on 17 March 2004.
R2.2	The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred.	Letter and Incident Report to DEC 17 March 2004.	Yes	Written report of a minor diesel spill provided to the DEC within the 7 day period.
Written report				
R3.1	Where an authorised officer of the EPA suspects on reasonable grounds that: (a) where this licence applies to premises, an event has occurred at the premises; or (b) where this licence applies to vehicles or mobile plant, an event has occurred in connection with the carrying out of the activities authorised by this licence, and the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies), the authorised officer may request a written report of the event.		Noted	
R3.2	The licensee must make all reasonable inquiries in relation to the event and supply the report to the EPA within such time as may be specified in the request.		Noted	
R3.3	The request may require a report which includes any or all of the following information: (a) the cause, time and duration of the event; (b) the type, volume and concentration of every		Noted	

	<p>pollutant discharged as a result of the event;</p> <p>(c) the name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event; and</p> <p>(d) the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort;</p> <p>(e) action taken by the licensee in relation to the event, including any follow-up contact with any complainants;</p> <p>(f) details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event;</p> <p>(g) any other relevant matters.</p>			
R3.4	The EPA may make a written request for further details in relation to any of the above matters if it is not satisfied with the report provided by the licensee. The licensee must provide such further details to the EPA within the time specified in the request.		Noted	
Reporting of blasting monitoring				
R4.1	The results of the blast monitoring required by condition M7.1 must be submitted to the EPA at the end of each reporting period.		N/A	
R4.2	The licensee must report any exceedence of the licence blasting limits to the regional office of the EPA as soon as practicable after the exceedence becomes known to the licensee or to one of the licensee's employees or agents.		N/A	

General conditions				
Copy of licence kept at the premises				
G1.1	A copy of this licence must be kept at the premises to which the licence applies.		Yes	Copies of the licence are kept by the Environmental Officers and in the Environment Section at the mine site offices.
G1.2	The licence must be produced to any authorised officer of the EPA who asks to see it.		Noted	
G1.3	The licence must be available for inspection by any employee or agent of the licensee working at the premises.		Noted	
Special conditions				
E1	The licensee must not commence any earth works prior to receiving written approval from the EPA. Approval may be granted for earth works at a specified part of the premises upon submission a detailed sediment and erosion control plan for those works. The submitted plans must be endorsed by a demonstrated expert in sediment and erosion control and satisfy the EPA's requirements.	<ul style="list-style-type: none"> • Letter from EPA re Draft Erosion and Sediment Control Management Plan 20 April 2004 • Letter from EPA re Tailings Storage Facilities work approval 20 April 2004 • Letter from EPA re Draft Erosion and Sediment Control Management Plan 23 June 2004 • Letter from EPA re Draft Erosion and Sediment Control Management Plan 23 June 2004 	Yes	The detailed erosion and sediment control plans for the various stages of the project are being prepared progressively and endorsed prior to submission to the EPA for approval.
E2	The licensee must submit to the EPA, for its written approval, detailed plans/diagrams detailing the construction of the Tailings Storage Facilities, Waste Rock Emplacements Areas, Perimeter Waste Emplacement, Processing Plant and Contained Water Storage Facilities. The plans/diagrams must be endorsed by a suitably qualified engineer. The licensee must not commence construction on a particular structure prior to receiving written approval from the EPA that the submitted plans/diagrams for that structure satisfy EPA's requirements.	<ul style="list-style-type: none"> • Travelling Stock Route Reserve Road Construction, Gilbert and Associates, 18 Dec 2003 • Letter to DEC re Tailings Storage Facility 25 Feb 2004 • Preliminary Earth Works for Mine Development Works, URS, 23 April 2004 • Contained Water Storage Facilities Design URS 10 Jun 2004 	Yes	The TSF Final Design Report was approved by the Dam Safety Committee and the EPA was satisfied with the groundwater monitoring program with the addition of WAD cyanide to the list of parameters.

E3	<p>Prior to operational use of the structures listed in Condition O4.2 the licensee must provide reports demonstrating compliance with the level of permeability specified in Condition O4.2. The testing and reports must be carried out by a demonstrated expert who must be approved in writing by the EPA prior to conducting any testing.</p>		N/A	
E4	<p>The licensee must submit a Noise Management Plan, prepared in accordance with the NSW Industrial Noise Policy, within 6 months of the issue of this licence, for activities undertaken 6 months beyond the commencement of construction.</p> <p>Note: Noise Limit and Noise Monitoring conditions will change subject to details in the Noise Management Plan October 2003 when submitted to the EPA as required by this condition.</p>	<p>Noise Management Plan Oct 2003 Letter from EPA re Draft Noise Management Plan 7 Nov 2003</p>	Yes	
E5	<p>The licensee must prepare and submit a report regarding the interaction of fauna with the Tailings Storage Facilities, prepared by a suitably qualified person approved in writing by the EPA within 6 months of the issue of this licence. The report must include, but need not be limited to the following:</p> <ol style="list-style-type: none"> 1) a detailed strategy that utilises the best available technology and practises for monitoring fauna deaths caused by cyanosis; 2) a detailed strategy that identifies methods to deter fauna visitation of the tailings storage facilities. 	<p>Report on the Interaction of Fauna with the Tailings Storage Facilities, Donato Environmental Services, June 2004</p>	Yes	<p>The Report prepared by Donato on the potential interaction of fauna with the tailings storage areas provides an outline of the strategies to deter fauna visitation to the tailings storage facilities and management strategies that are to be considered in the design planning for the storages.</p>

APPENDIX C MINING LEASE CONDITIONS

Appendix C
Mining Lease 1535

No.	ML 1535 Condition	Audit Evidence	Compliance	Comments
1	Notice to Landholders			
	The lease holder must serve on each landholder of the land a notice in writing indicating that this lease has been granted/renewed and whether the lease includes the surface.		Not applicable	Barrick is the registered proprietor of the majority of the land on which the mining lease is located.
4	Working Equipment			
	The lease holder must ensure that at least 135 competent people are efficiently employed on the lease area.....OR Expend on operations carried out on the lease in the course of prospecting or mining an amount of not less than \$2,400,000 during each year of the term of this lease.		Yes	Barrick has spent more than \$2,400,000 during the year 13 June 2003 and 13 June 2004.
6	Reports			
	The lease holder shall provide within a period of 28 days after each anniversary of the date this lease has effect a progress report to the satisfaction of the Director-General.....		N/A	First progress report is due to be submitted to the DMR in July 2004.
11	Safety			
	Operations are to be carried out in a manner that ensures safety of [persons or stock in the vicinity of the operations.....		Yes	Safety of construction activities is being observed with protective fences around areas of excavation and the mine lease boundary has been fenced to restrict entry of persons and stock.
12	Rehabilitation			
	Land disturbed must be rehabilitated to a stable and permanent form suitable for a subsequent land use acceptable to the Director-General and in accordance with the Mining Operations Plan.....	Initial Mining Operations Plan – Cowal Gold Project March 2004 Land management Plan Oct 2003	N/A	No rehabilitation has yet been undertaken within the mining lease area. Rehabilitation of the TSR and new road alignment has been completed.

13	The lease holder must comply with any direction given by the Director-General regarding the stabilisation and revegetation of any mine residues, tailing or overburden dumps situated on the lease area.		N/A	
14	Prevention of Soil Erosion and Pollution			
	Operations must be carried out in a manner that does not cause or aggravate air pollution, water pollution (including sedimentation) or soil contamination or erosion unless otherwise authorised by a relevant approval and in accordance with the Mining Operations Plan.....	Initial Mining Operations Plan – Cowal Gold Project March 2004 Erosion and Sediment Control Management Plan Sep 2003 Dust Management Plan Sep 2003	Yes	Specific Erosion and Sediment Control Management Plans are prepared for each stage of the construction works and submitted to EPA and DLWC for approval prior to commencement of that stage of the works.
15	Transmission lines, Communication lines and Pipelines			
	Operations must not interfere with or impair the stability or efficiency of any transmission line, communications line or pipeline or other utility on the area		Yes	Relocation of Telstra cables and power lines within the ML boundary occurred during construction in the 1 st quarter of 2004.
16	Fences and gates			
	(a) Activities on the lease must not interfere with or damage fences without the prior written approval of the owner		Not applicable	Barrick is the registered proprietor of the land on which the mining lease is located.
17	Roads			
	(a) Operations must not effect any road unless in accordance with an accepted Mining Operations plan or with the prior approval of the Director-General..... (b) The lease holder must pay the local council, DLWC or the RTA the cost incurred in fixing any damage to roads caused by the operations carried out under this lease.....		Yes	Barrick are working the land Shire Council on relation to construction of the access road to the mine and up keep on the existing roads to the mine lease area from West Wyalong.
18	Access tracks must be kept to a minimum and be positioned so that they do not cause any unnecessary damage to the land.....		Yes	Access tracks within the mining lease area are designed within the mine plan development and any temporary access tracks will be rehabilitated when they are no longer required.

19	Trees and Timber			
	(c) The lease holder must not cut, destroy, ringbark or remove any timber or other vegetative cover on the lease except such as directly obstructs or prevents the carrying out of operations.....	Vegetation Clearance Protocol	Yes	Barrick is retaining any trees within the mining lease not in the path of the project development. Approval to remove any trees or vegetative cover within the mining lease area must be obtained from the Environmental Manager prior to removal.
23	Security			
	(a) Securities as indicated below must be lodged with the Minister by the lease holder for the purpose of ensuring the fulfilment by the lease holder of the obligations under this lease.....	Security Certificate No. 5034063002, Citigroup	Yes	Security deposit of \$11,750,000 as specified in the Mine Lease approval of 13 Jun 2003, was lodged by BDW for Barrick in March 2004.
24	Mine Safety Plan			
	Prior to commencement of any construction activities on the lease area and as required by the Director-General the lease holder must prepare a Mine Safety Plan to ensure the Mine Safety General Rule 2000 is adhered to.	Mine Safety Plan	Yes	
25	Mining Rehabilitation, Environmental Management Process (MREMP) Mining Operations Plan (MOP)	Meeting Agenda 31 March 2004 Annual Environmental Management Report Meeting		A meeting was held with of the Mining, Rehabilitation and Environmental Management Process Committee (MREMP) on 31 March 2004 to discuss the Annual Environmental Management Report. The participants included DMR, EPA, DLWC, Councils, Dam Safety Committee and National Parks and Lands representatives.
	(1) Mining operations, including mining purposes, must be conducted in accordance with the MOP satisfactory to the Director-General.....		N/A	
	(9) An Initial Mining Operations Plan must be submitted prior to commencement of construction on the site	Initial Mining Operations Plan Cowal Gold Project Mar 2004	Yes	
26	Annual Environmental Management Report (AEMR)			
	(1) Within 12 of the commencement of mining operations and thereafter annually the lease holder must lodge an AEMR with the Director-General.	Meeting Agenda 31 March 2004 Annual Environmental Management Report Meeting	N/A	A meeting was held with of the Mining, Rehabilitation and Environmental Management Process Committee (MREMP) on 31 March 2004 to discuss the Annual Environmental Management Report.

APPENDIX D BORE LICENCE CERTIFICATES

**Appendix D
Groundwater Bore Licence Certificates – Cowal Gold Project**

Licence Cert. No.	Lot	DP	Parish	County	Barrick Ref	Bore Purpose
70BL226125	11	753083	Corringle	Gipps	P418A	Water level & Quality
70BL226125	11	753083	Corringle	Gipps	P418B	Water level & Quality
70BL226125	12	753083	Corringle	Gipps	P410A	Water level
70BL226125	12	753083	Corringle	Gipps	P410B	Water level
70BL226125	3	753083	Corringle	Gipps	P413A	Water level
70BL226125	3	753083	Corringle	Gipps	P413B	Water level
70BL226125	3	753083	Corringle	Gipps	P414A	Water level & Quality
70BL226125	3	753083	Corringle	Gipps	P414B	Water level & Quality
70BL226125	3	753083	Corringle	Gipps	P416A	Water level & Quality
70BL226125	3	753083	Corringle	Gipps	P416B	Water level & Quality
70BL229726	23	753097	Lake	Gipps	P415A	Water quality
70BL229725	23	753097	Lake	Gipps	P415B	Water quality
70BL226125	7	753083	Corringle	Gipps	P411A	Water level
70BL226125	7	753083	Corringle	Gipps	P411B	Water level
70BL226125	7	753083	Corringle	Gipps	P412A	Water level & Quality
70BL226125	7	753083	Corringle	Gipps	P412B	Water level & Quality
70BL226558	12	753083	Corringle	Gipps	P561A	Water level
70BL226558	12	753083	Corringle	Gipps	P561B	Water level
70BL226558	12	753083	Corringle	Gipps	P560A	Water level
70BL226558	12	753083	Corringle	Gipps	P560B	Water level & Quality
70BL229640	44	753083	Corringle	Gipps	P554A	Water level
70BL229639	44	753083	Corringle	Gipps	P554B	Water level
70BL226558	3	753083	Corringle	Gipps	P555A	Water level & Quality
70BL226558	3	753083	Corringle	Gipps	P555B	Water level & Quality
70BL226558	3	753083	Corringle	Gipps	P557A	Water level
70BL226558	3	753083	Corringle	Gipps	P557B	Water level
70BL226558	9	753083	Corringle	Gipps	P559	Water level
70BL226558	9	753083	Corringle	Gipps	P556A	Water level
70BL226558	9	753083	Corringle	Gipps	P556B	Water level
70BL226558	9	753083	Corringle	Gipps	P558	Water level
70BL229654	Closed TSR 17085		Lake	Gipps	D323	Water quality
70BL229642	Closed TSR 17085	1029713	Lake	Gipps	P321	Water quality
70BL229643	Closed TSR 17085	1029713	Lake	Gipps	P318	Water level

Licence Cert. No.	Lot	DP	Parish	County	Barrick Ref	Bore Purpose
70BL229644	Closed TSR 17085	1029713	Lake	Gipps	P322	Water level
70BL229645	Closed TSR 17085	1029713	Lake	Gipps	P330	Water level
70BL229646	Closed TSR 17085	1029713	Lake	Gipps	P320	Water quality
70BL229641	Closed TSR 17085	1029713	Lake	Gipps	P331	Water quality
70BL229757	23	753097	Lake	Gipps	D325	Water level
70BL229758	23	753097	Lake	Gipps	D326	Water level
70BL229748	23	753097	Lake	Gipps	RA341	Water level
70BL229749	23	753097	Lake	Gipps	RA342	Water level
70BL229750	23	753097	Lake	Gipps	RA344	Water level
70BL229752	23	753097	Lake	Gipps	RA347	Water level
70BL229753	23	753097	Lake	Gipps	RA348	Water level
70BL229754	23	753097	Lake	Gipps	RA349	Water level
70BL229755	23	753097	Lake	Gipps	RA350	Water level
70BL229751	23	753097	Lake	Gipps	RA346	Water quality
70BL229638	On road reserve Lot 44	753083	Corringle	Gipps	P417A	Water level & Quality
70BL229637	On road reserve Lot 44	753083	Corringle	Gipps	P417B	Water level & Quality
70BL229648	TSR 84719	753077	Cadalgulee	Gipps	BLRP1	Water quality
70BL229647	TSR 84719	753077	Cadalgulee	Gipps	BLRP2	Water quality
70BL229649	Road reserve adj. Lot 12	753089	Gibrigal	Gipps	BLRP3	Water level
70BL229651	Road reserve adj Lot 55	753089	Gibrigal	Gipps	BLRP4	Water level
70BL229653	Road reserve adj Lot 68	753077	Cadalgulee	Gipps	BLRP5	Water level
70BL229652	Road reserve adj Lot 66	753077	Cadalgulee	Gipps	BLRP6	Water quality
70BL229650	Road reserve adj Lot 18	753129	Cadalgulee	Gipps	BLRP7	Water quality
70BL229727	7	753083	Corringle	Gipps	North TSF	Water level & Quality
70BL229746	2	530229	Lake	Gipps	PDB1	Water level & Quality
70BL229655	Former Game Reserve		Lake	Gipps	PDB2	Water level & Quality
70BL229756	23	753097	Lake	Gipps	PDB3	Water level & Quality
70BL229759	23	753097	Lake	Gipps	PDB4	Water level & Quality
70BL229747	24	753097	Lake	Gipps	PDB5	Water level & Quality
70BL229248	Road East Lot 91	753077	Cadalgulee	Gipps	Bore A	Production
70BL229249	Road North Lot 105	753077	Cadalgulee	Gipps	Bore B	Production
70BL229250	TSR 84719	753077	Cadalgulee	Gipps	Bore C	Production
70BL229251	Road adjacent to Lot 55	753089	Gibrigal	Gipps	Bore D	Production
70BL230062	23	753097	Lake	Gipps	PDB4B	Test
70BL230065	2	530299	Lake	Gipps	PDB1B	Test
70BL230063	2	530299	Lake	Gipps	PDB1C	Test

