ANGLOGOLD ASHANTI
AUSTRALIA

INDEPENDENCE GROUP NL
ABN 46 092 786 304

TROPICANA JOINT VENTURE
AngloGold Ashanti Australia Limited \ A.B.N. 42 008 737 424
Level 13 \ 44 St Georges Tce \ Perth \ WA 6000 \ Australia \ PO Box Z5046 \ Perth \ WA 6831 \ Australia
Tel +61 8 9425 4600 \ Fax +61 8 9425 4650 \ Website: www.AngloGoldAshanti.com

20th December 2013

Mr Kym Taylor
General Manager
Office of the Environmental Protection Authority
Locked Bag 33, Cloisters Square
PERTH WA 6850

Attention: Jake Cutler

Dear Kym,

Re: Submission of Tropicana Gold Mine (Ministerial Statement No. 839) 2012-2013 Annual Compliance Assessment Report

In accordance with Condition 4-6 of Ministerial Statement No. 839, please find enclosed the Annual Compliance Assessment Report for the Tropicana Gold Mine. The report has been prepared in accordance with the Tropicana Gold Mine Compliance Assessment Plan and covers the period 24th September 2012 – 23rd September 2013.

This Compliance Assessment Report will be made publically available on the Tropicana JV website following acknowledgement from the Office of the Environmental Protection Authority that the report has been received and accepted.

We trust this report meets your requirements however should you have any queries regarding the information provided please contact me on (08) 9265 2200 or at TGPApprovals@anglogoldashanti.com.au.

Yours sincerely

Belinda Bastow
Manager – Approvals/Compliance/Sustainability
TROPICANA GOLD MINE
ANGLOGOLD ASHANTI AUSTRALIA

Encl: Tropicana Gold Mine, Ministerial Statement No. 839, Annual Compliance Assessment Report 2012-2013

Tropicana Joint Venture

Tropicana Gold Project

Ministerial Statement No. 839

Annual Compliance Assessment Report

September 2012- September 2013

20 December 2013

CAR20131219

Tropicana Gold Project, Annual Compliance Assessment Report

Ministerial Statement No. 839

Revision	Author	Review	Approval	Date
Draft for internal review	E. Bamforth	B. Bastow		10/12/2013
Final Review	E. Bamforth	B Bastow		18/12/2013
Document Released	E. Bamforth	B. Bastow	D. Gibbs	19/12/2013

TABLE OF CONTENTS

TABLES

FIGURES

APPENDICES

1 INTRODUCTION

In September 2010, the Tropicana Joint Venture (Tropicana JV) received approval under the *Environmental Protection Act 1986* (EP Act) for the construction and operation of an open cut mine and associated infrastructure, the Tropicana Gold Mine (TGM), which is located approximately 330 km east-northeast of Kalgoorlie on the western edge of the Great Victoria Desert (see Figure 1). The Tropicana JV is an agreement between AngloGold Ashanti Australia (70% stakeholder and manager) and Independence Group (30% stakeholder).

This Compliance Assessment Report (CAR) has been prepared in accordance with the requirements of Condition M4.6 of Ministerial Statement No. 839 (MS839) – Tropicana Gold Project (The Project), requiring the submission of a compliance assessment report annually from the date of approval for the preceding 12-months.

The Project is comprised of:

- Operational area containing the pits, waste landforms, stockpiles, tailings storage facility, processing plant, village, aerodrome and other supporting infrastructure.
- Infrastructure corridor including an access road and communications corridor linking the operational area to existing communications and road networks of the Goldfields regions locally referred to as the Pinjin Corridor.
- Water supply area providing the main processing water.

This is the third compliance assessment report prepared by AngloGold Ashanti Australia on behalf of the Tropicana JV for the project for the period commencing the 24th September 2012 to 23rd September 2013. This document has been prepared in accordance with the approved Compliance Assessment Plan (CAP) dated 13 December 2010 prepared and submitted to the Office of the EPA in 2010.

The Project is being developed in accordance with the management measures and strategies described in:

- Public Environmental Report and Response to Submission documents;
- Construction Environmental Management Strategy (V1);
- Operational Environmental Management Strategy (V1);
- Threatened Species and Community Management Strategy (V1);
- Cultural Heritage Management Strategy (V1);
- Environmental Monitoring Strategy (V1);
- Tailings Storage Facility Management Strategy (V1); and
- Conceptual Closure and Rehabilitation Strategy (V1).

2 CURRENT STATUS

During the reporting period the project construction phase was completed and commissioning commenced on key infrastructure including the power station, processing plant and tailing storage facility. Infrastructure associated with the process water supply starter borefield and the water

pipeline between the borefield and processing plant were also completed and commissioned during the reporting period. Production commenced in September 2013 and the first gold bar was produced on 26th September 2013, just after the reporting period for this CAR.

The location of key infrastructure within the operational area is shown in Figure 2 and the starter borefield is shown in Figure 3. Table 1 provides an overview of the Project's key characteristics and current status.

Table 2.1: Tropicana Gold Project Key Characteristics – Status Report

Element	Description	Status / Comment
General		
Project Life	Approximately 15yr of mining; total project duration up to 25yr (including post closure monitoring)	Construction commenced in May 2011, mining commenced in July 2012
Mining and Processing		
Mining Rate	Up to 75 million tonnes per annum (ore and waste)	Mining commenced in July 2012
Stripping ratio	8:1	Unchanged
Number of pits	Up to 4	3 separate pits currently envisaged
Open pit void/s	Not more than 400 hectares	Unchanged. Current open pit area is 37.6ha
Max. length of pit/s	6km (if pits combine)	Unchanged
Max width of pit/s	1.5km	Unchanged. Current maximum width of Havana pit is approx. 700m
Overburden & waste	Not more than 800 million tonnes	Unchanged
Waste landform	Not more than 1,200ha, max height 375mRL, slope with max angle 15°	Unchanged
Infrastructure		
Mine access road	Pinjin option ~210km of new road	Road construction was completed during the 2012 reporting period.
Communications	Fibre Optic or Microwave via either Pinjin or Tropicana Transline Corridor	The microwave tower option was selected and was constructed along the Pinjin Corridor during the 2012 reporting period.
Aerodrome	All weather strip 2.4km long	Aerodrome completed and commissioned
Main power supply	Onsite power station with an installed capacity of up to 40 MW	Power station has been constructed and commissioned during the 2013 reporting period
Water pipeline	Approximately 50km in length from the borefield to the processing plant	Pipeline installation was completed in May 2013 and a fauna trench inspection report was submitted to DER to meet ministerial condition requirements.
Tailings Storage Facility (TSF)	Up to 7 million tonnes per annum, two cell paddock tailings storage facility, maximum height 372mRL, approximately 1330m wide by 1850m	Approval to modify the TSF design to a single celled facility was obtained during the reporting period (10th November 2012) via a Section 45C process.

Element	Description	Status / Comment
Disturbance Areas		
Disturbance Area	Not more than 3,440ha comprising: • 2,570ha – operational area • 200ha – water supply area • 670ha – infrastructure areas	Current disturbance footprint across project area is approximately 2,221ha well within the approved 3,440ha.

3 COMPLIANCE

During the reporting period the Tropicana JV had one non-compliance associated with Ministerial Statement MS839. The non-compliance related to condition M6.2 *Threatened Species*. The condition required the Tropicana JV to review the *Tropicana Gold Project Threatened Species and Communities Management Strategy* by 24th September 2013. This review was unable to be completed due to the focus during the reporting period being directed towards construction completion and commissioning activities. The management strategy will however be reviewed and amended if required during the 2014 reporting period. No major changes are anticipated.

A completed audit table providing further detail on compliance with conditions is included in Appendix 1.

Construction of the processing plant, tailings storage facility and power station were completed and commissioning of these facilities commenced during Q2, 2013. Construction compliance reports were compiled and submitted for each facility, as required by works approval conditions, and were submitted to the Department of Environmental Regulation. Inclusion of these facilities onto the sites Prescribed Premises Licence is underway.

The tailing storage facility was subject to a section 45C which was assessed and approved by the Environmental Protection Agency (EPA) in November 2012. The section 45C was required to allow the tailings storage facility design to be modified from a two celled facility to a single cell facility. The overall disturbance footprint of the facility did not change. The design change was undertaken primarily to facilitate appropriate closure and rehabilitation of the TSF, as it was identified there was a potential for the tailing generated by the operation to become acid forming. A copy of the EPA approval is provided in Appendix 2.

During the reporting period, four monitoring bores, as required by ministerial condition No 8.2 were installed on the western side of the operational footprint to monitor for potential changes in groundwater associated with the waste landform, mineralised waste stockpile and the TSF. The location of these bores is shown in Figure 4. Work also commenced on planning for additional monitoring bores around the final waste landform footprints on the north and eastern sides of the operation. These bores will be constructed in the later part of 2013.

As part of the TSF construction, nine deep and shallow monitoring bores were installed around the TSF. These were installed to meet works approvals and Mining Act obligations for the TSF construction and operation.

During the latter part of the reporting period, planning commenced for the potential expansion of the process water supply borefield to supplement the existing process water supply. Additional approval requirements for a potential borefields expansion are being identified as part of the planning process.

In June 2013, a fauna trench inspection report, as required by Ministerial Condition No. 7.5, was submitted to the OEPA. The report contained details from trench inspections conducted along the process water supply borefield pipeline, Kamikazee borefield pipelines, within the processing plant construction area and the Pinjin Corridor construction water supply area. Figure 5 shows the location of the key trench infrastructure areas and a copy of the submitted fauna trench inspection report is provided in Appendix 3.

As construction activities within the operational area and process water supply borefields were only completed during the reporting period, opportunities for rehabilitation within these areas have been limited. Rehabilitation activities have however commenced along the Pinjin Corridor where a number of borrow pits, laydown areas, fly camps and turkey nests no longer required have been ripped and growth medium and cleared vegetation has been respread. Photos of rehabilitation activities undertaken along the Pinjin corridor are provided in Plates 3-6 of Attachment 1.

In accordance with the CAP, this CAR for the 2013 reporting period will be made publicly available once the Tropicana JV has received acknowledgement from the OEPA that the report has been accepted. A copy of the CAR2013 will then be placed in the Tropicana JV website.

No changes have been made to the previously approved CAP during this reporting period (Condition 4.1 of MS839).

4 ENVIRONMENTAL MONITORING

During the 2012 reporting period dust, vegetation condition, fauna trench inspections and groundwater monitoring programs were implemented. Locations of new groundwater monitoring bores on the western side of the operational footprint were installed to meet condition M8.2. Planning for additional monitoring bores around the final waste landform on the northern and eastern side has commenced.

The vegetation condition monitoring program conducted to meet Ministerial condition 5-2 was undertaken by Eco Logical Australian Pty Ltd in October 2013. The 2013 monitoring program followed the same methodology as the 2012 program and involved assessment of high resolution digital multi-spectral imagery and field survey verification at 106 quadrats 20m by 20m in size. The location of the vegetation monitoring sites utilised in the 2013 monitoring are shown in Figure 6. The 2013 vegetation monitoring identified changes between impact and reference sites in some vegetation associations that were consistent with patterns of variation found between 2011 and 2012 data due to annual rainfall and impacts from localise bushfires. No impacts from activities associated with the TGM were however identified.

During 2013, a review was undertaken to assess the suitability of the 20m by 20m quadrats to enable changes in species diversity in a desert environment to be determined. One of the recommended outcomes of the review was that a larger quadrat size (50mx50m) should be trialled to determine if species diversity and vegetation condition data obtained at the two different sizes were statistically similar. In accordance with this recommendation, a number of 50m by 50m quadrates were trailed over the existing 20m by 20m quadrats in representative vegetation communities during the annual vegetation monitoring survey. Preliminary findings indicate that the data obtained was statistically similar and therefore the 20mx20m quadrats were sufficient in the majority of vegetation communities. A copy of the final vegetation monitoring report will be provided in the site Annual Environmental Report due at the end of January 2014.

Groundwater monitoring from the four ministerial monitoring bores installed on the western side of the operational footprint was undertaken in February, May, August and October 2013. A summary

of results from water samples taken are provided in Appendix 4. Results obtained from the ministerial monitoring bores are consistent with background groundwater quality results obtained from other monitoring bores within the operational area. Further information on the sites water quality monitoring activities and results obtained will be included in the Annual Environmental Report due in January 2014.

While preparing for regional exploration activities immediately adjacent to the Tropicana operational area, personnel from the Tropicana Gold Mine observed what appeared to be an active Malleefowl mound. To determine if the mound was actually in use a motion activated camera was set-up to capture evidence of Malleefowl activity. The camera has been in place since July and has captured evidence of a pair of birds working the mound in preparation of use. Monitoring of this Mallefowl mound will continue throughout 2014.

5 ENDORSEMENT

This Report has been endorsed by:

Duncan Gibbs
General Manager
Tropicana Gold Mine
AngloGold Ashanti Australia

I have reviewed this document and accept that the information provided is an accurate account of the activities undertaken during the current reporting period (24th September 2012 to 23rd September 2013)

Date: 19th December, 2013

Duncan Gibbs
General Manager
Tropicana Gold Mine
AngloGold Ashanti Australia

FIGURES

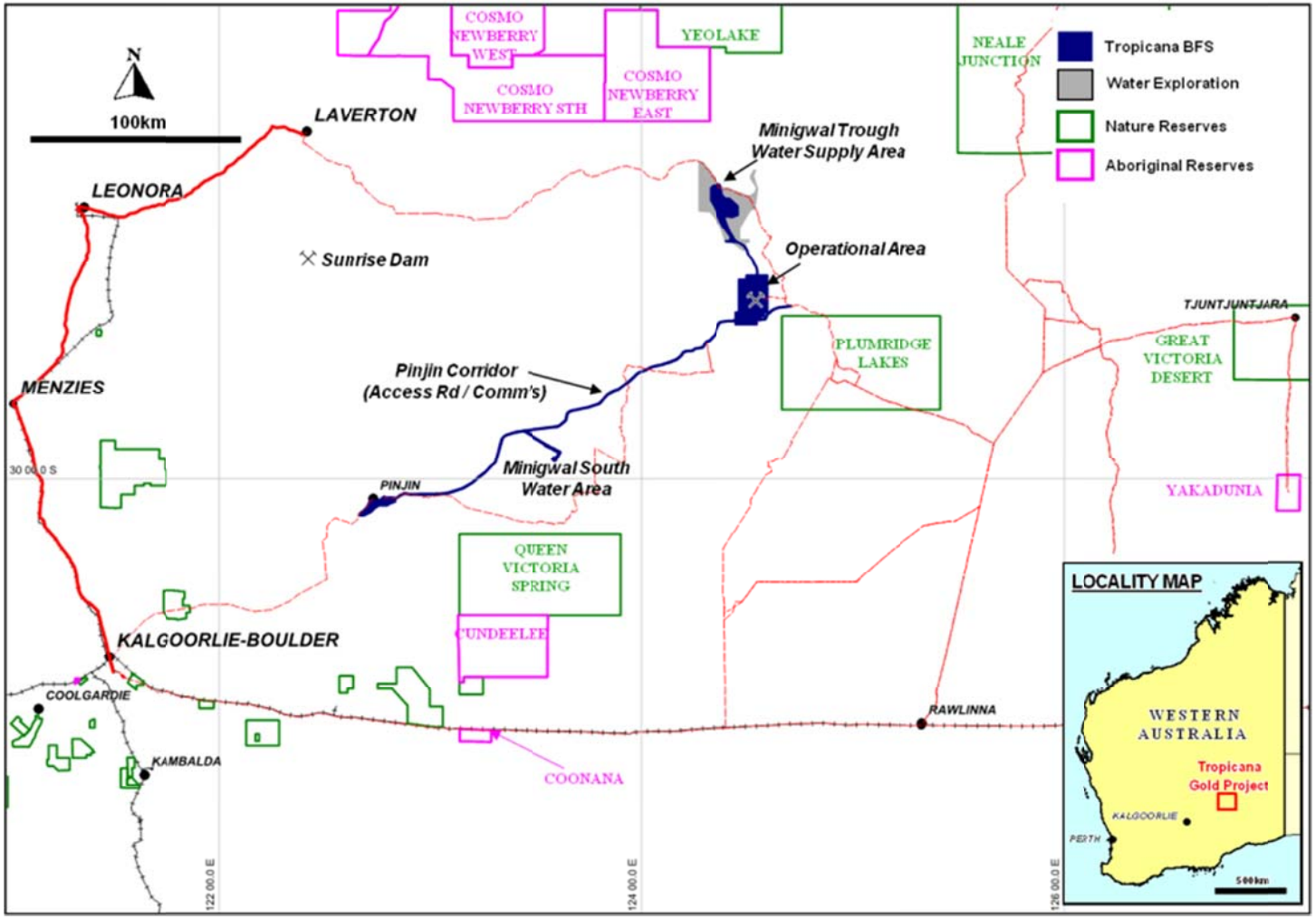

Figure 1: General location of the Tropicana Gold Project

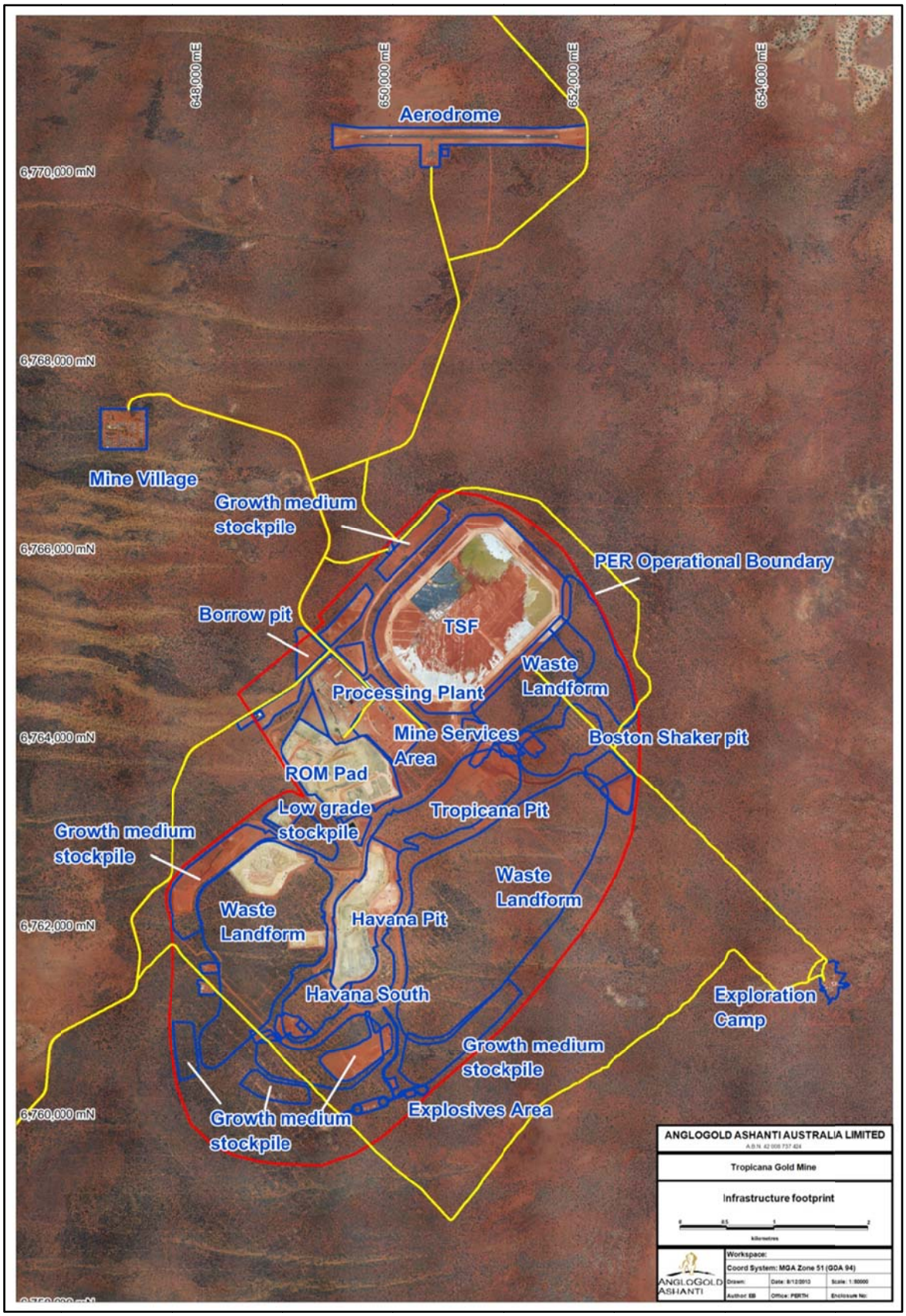

Figure 2: Operational Area Infrastructure Layout (Aerial dated October 2013)

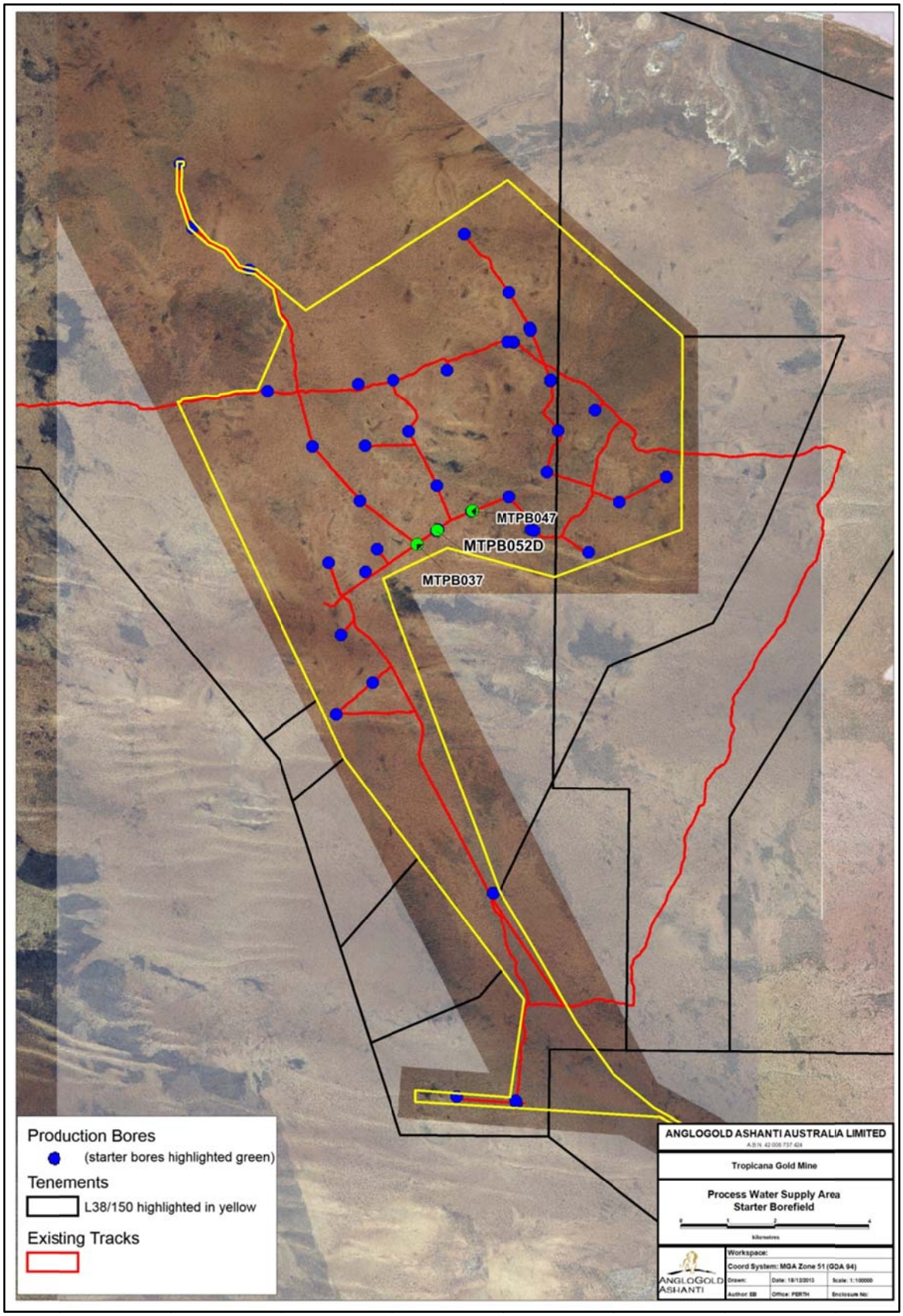

Figure 3: Starter Borefield location

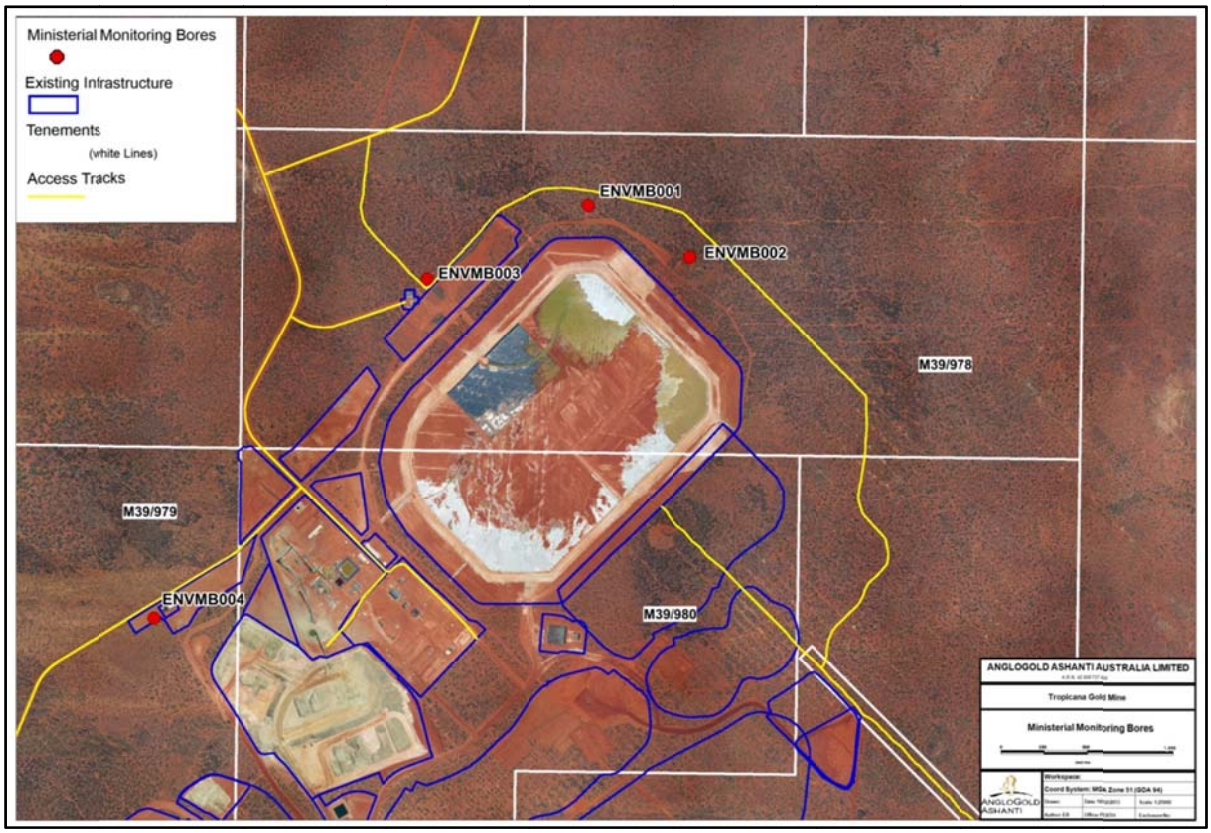

Figure 4: Ministerial Monitoring Bore Locations

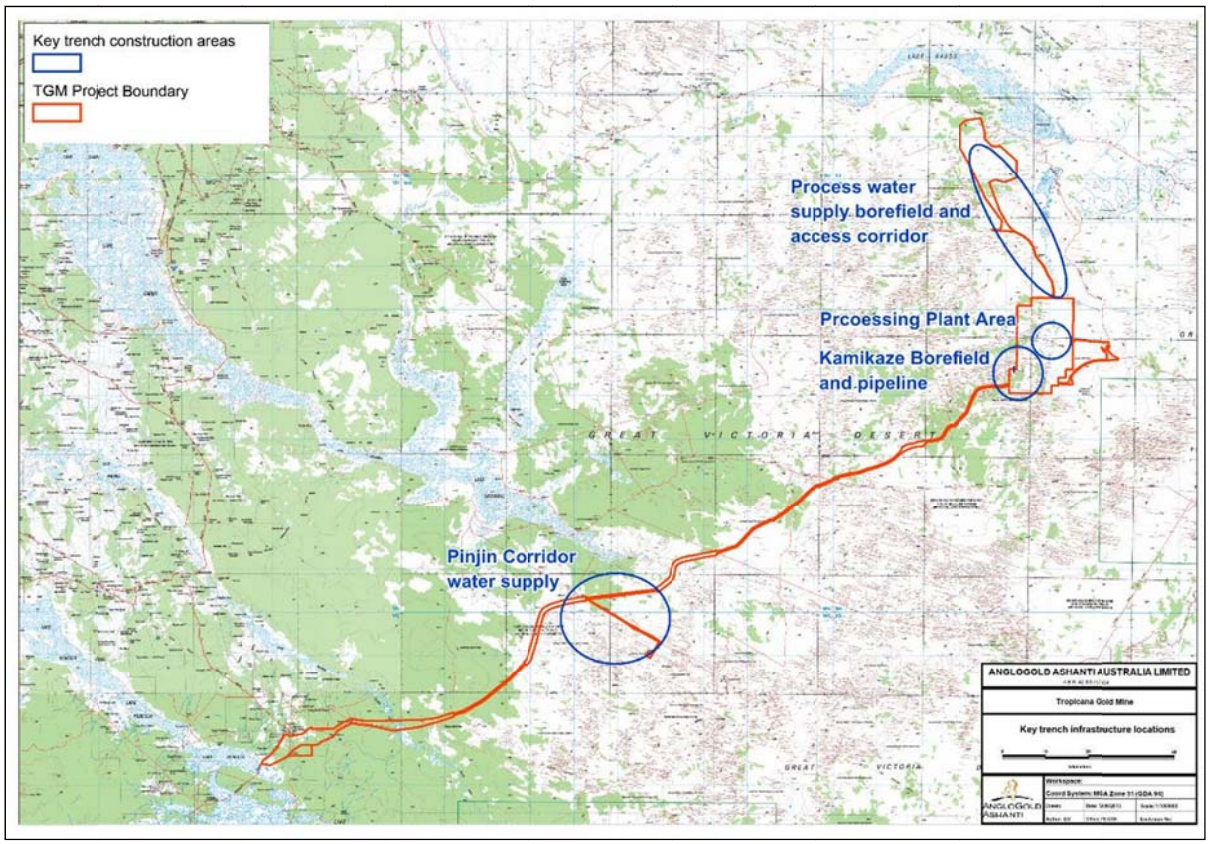

Figure 5: **Key Trench Infrastructure Areas**

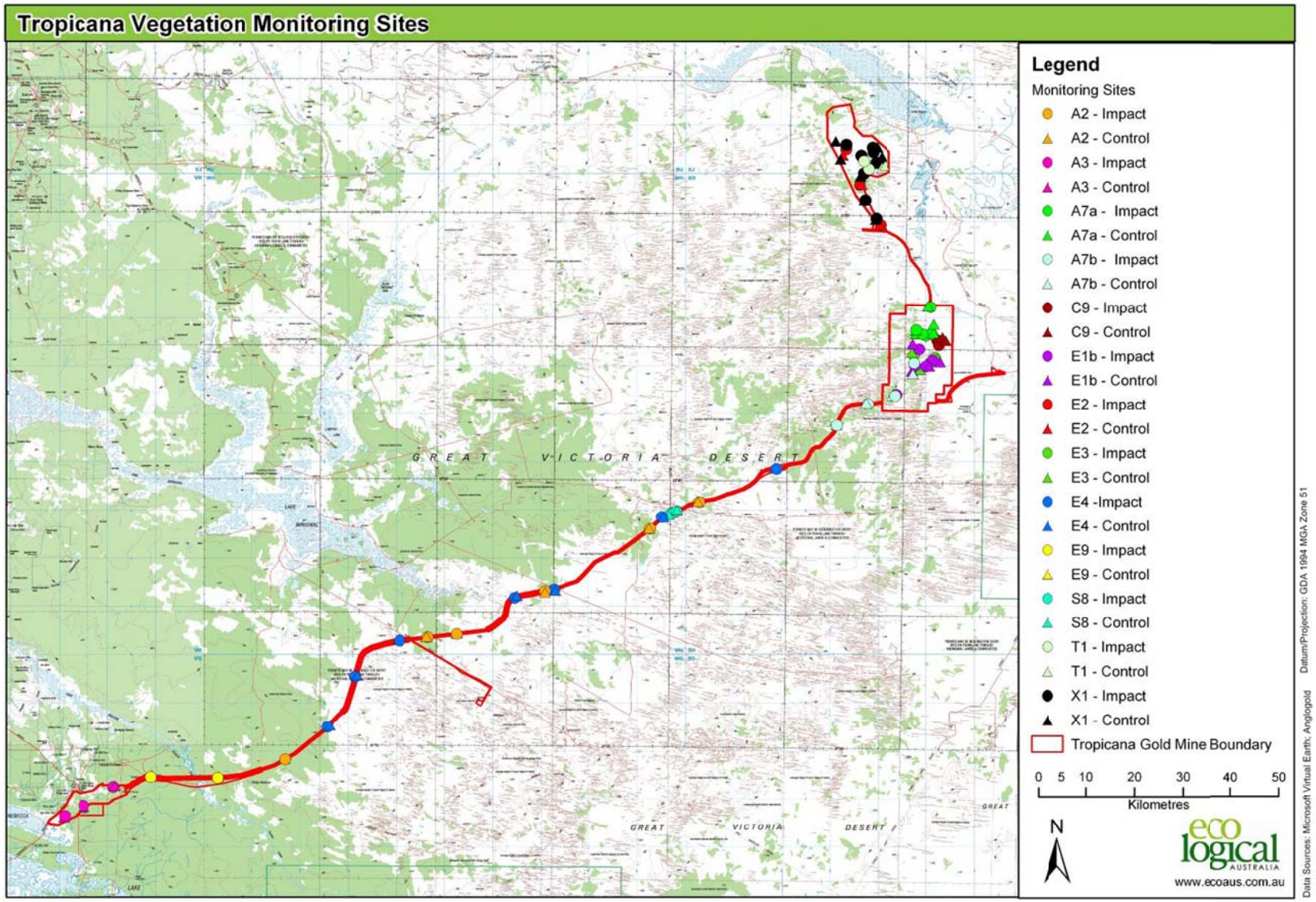

Figure 6: Vegetation Condition Monitoring quadrat locations 2013

SITE PHOTOGRAPHS

Plate 1: TGM Havana Pit mining

Plate 2: Processing Plant and power station September 2013

Plate 3: Conveyor Construction March 2013

Plate 4:Havana Pit March 2013

Plate 5: Pinjin Corridor Borrow pit Rehabilitation

Plate 6: Pinjin Corridor Turkey nest Rehabilitation

Plate 7: Pinjin Corridor fly camp Rehabilitation

Plate 8: Pinjin Corridor Laydown Area Rehabilitation

Plate 9: Active Malleefowl mound camera monitoring

Plate 10: Active Malleefowl mound camera monitoring – Malleefowl captured actively working their nest

APPENDICES

Appendix 1 – Tropicana Gold Project Ministerial Statement No. 839 Audit Table

GOVERNMENT OF WESTERN AUSTRALIA

Office of the Environmental Protection Authority

AUDIT TABLE

Proposal Implementation Monitoring Section

PROJECT: Tropicana Gold Project, Shire of Menzies, Shire of Laverton and The City of Kalgoorlie-Boulder

Note:

- Phases that apply in this table = **Pre-Construction, Construction, Operation, Decommissioning, Overall (several phases)**
- This audit table is a summary and timetable of conditions and commitments applying to this project. Refer to the Minister's Statement for full detail/precise wording of individual elements.
- Code prefixes: M = Minister's condition; P = Proponent's commitment; A = Audit specification; N = Procedure.
- Any elements with status = "Audited by proponent only" are legally binding but are not required to be addressed specifically in compliance reports, if complied with.
- Acronyms list:- Minister for the Environment - Min for Env; Chief Executive Officer – CEO of the OEPA; Department of Environment – DoE (now DEC – Dept of Environment and Conservation); Evaluation Division - Part IV; Pollution Prevention Division - Part V; Waste Management Division - WMD; Department of Conservation and Land Management - CALM; Department of Minerals and Energy - DME; Environmental Protection Authority - EPA; Health Department of WA - HDWA; Water and Rivers Commission - WRC; Bush Fires Board - BFB.

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Status-2013	Comment
839:M1.1	**Proposal Implementation**	The proponent shall implement the proposal as assessed by the Environmental Protection Authority and described in Schedule 1 of this statement subject to the condition and procedures of this statement.	As per Schedule 1, Statement 839	Compliance Report	Min for Env		Overall	Ongoing	Compliant during the reporting period	Activities undertaken during the reporting period were compliant with Schedule 1 of the Ministerial Statement. This CAR demonstrates that compliance.
839:M2.1	**Proponent Nomination and Contact Details**	The proponent for the time being nominated by the Minister for Environment under sections 38(6) or 38(7) of the *Environmental Protection Act 1986* is responsible for the implementation of the proposal.	Notify in writing a letter that provides details of the name and address of the new proponent	Letter applying for a transfer of proponent and a copy of the Statement endorsed by the proposed replacement proponent	Min for Env		Overall	On going	Not required at this stage	The nominated proponents for the Project did not change during the reporting period.
839:M2.2	**Proponent Nomination and Contact Details**	The proponent shall notify the Chief Executive Officer of the Office of the Environmental Protection Authority of any change of the name and address of the proponent for the serving of notices or other correspondence within 30 days of such change	Notify in writing a letter that provides details of the name and address of the new proponent		CEO		Overall	Within 30 days of such change	Not required at this stage	There was no change to the contact name and or address of the nominated Proponent during the reporting period
839:M3.1	**Time Limit of Authorisation**	The authorisation to implement the proposal provided for in this statement shall lapse and be void five years after the date of this statement if the proposal to which this statement relates is not substantially commenced	Notify in Writing	Letter of notification	CEO		Overall	Before the 23 September 2015	Compliant	Ministerial Statement No. 839 was issued on the 24 September 2010. The project commenced construction within 12-month of the issue of the approval. Written notification was submitted to the Office of the EPA 12th March 2011 advising of the proposed commencement of works. Construction activities were completed during 2013 and commissioning commenced.
839:M3.2	**Time Limit of Authorisation**	The proponent shall provide the Chief Executive Officer of the Office of the Environmental Protection Authority with written evidence which demonstrates that the proposal has substantially commenced on or before the expiration of five years from the date of this statement	Notify in Writing	Letter of notification.	CEO		Overall	Before the 23 September 2015	Compliant during reporting period	Written notification was submitted to the Office of the EPA 12 March advising of the proposed commencement of works
839:M4.1	**Compliance Reporting**	The proponent shall prepare and maintain a compliance assessment plan to the satisfaction of the Chief Executive Officer of the Office of the Environmental Protection Authority	Correspondence with the OEPA Preparation of a Compliance Assessment Plan and an audit table in compliance with the requirements of the OEPA.	Approved Compliance Assessment Plan (CAP). A completed and approved Audit Table (this document). Compliance Report	CEO		Overall	Ongoing	Compliant during the reporting period	Compliance Assessment Plan prepared and submitted 13 Dec 2010. No updates have been made as the project is only in its third year of operation. Correspondence from General Manager OEPA on 14 February 2011 indicates OEPA is satisfied that the CAP addresses Condition M4.1
839:M4.2	**Compliance Reporting**	The proponent shall submit to the Chief Executive Officer of the Office of the Environmental Protection Authority, the compliance assessment plan required by condition 4-1 at least 6 months prior to the first compliance report required by condition 4-6, or prior to ground disturbing activity, whichever is sooner. The compliance assessment plan shall indicate: 1. the frequency of compliance reporting; 2. the approach and timing of compliance assessments; 3. the retention of compliance assessments; 4. the method of reporting of potential non-compliances and corrective actions taken; 5. the table of contents of compliance reports; and 6. public availability of compliance reports.	The compliance assessment plan shall indicate: 1. the frequency of compliance reporting; 2. the approach and timing of compliance assessments; 3. the retention of compliance assessments; 4. reporting of potential non-compliances and corrective actions taken; 5. the table of contents of compliance reports; and 6. public availability of compliance reports.	Approved Compliance Assessment Plan Correspondence with OEPA	CEO		Pre-construction	By 24 June 2011 or prior to ground disturbing activities, whichever is sooner.	Completed	Compliance Assessment Plan prepared and submitted 13 Dec 2010. No updates have been made as the project is only in its third year of operation. The Compliance Assessment Plan covered the topics required by this condition.

GOVERNMENT OF WESTERN AUSTRALIA

Office of the Environmental Protection Authority

AUDIT TABLE

Proposal Implementation Monitoring Section
PROJECT: Tropicana Gold Project, Shire of Menzies, Shire of Laverton and The City of Kalgoorlie-Boulder

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Status-2013	Comment
839:M4.3	**Compliance Reporting**	The proponent shall assess compliance with conditions in accordance with the compliance assessment plan required by condition 4-1.	As specified in CAP	Overview provided in Compliance Report	Min for Env		Overall	Compliance Report – Annually by 24 December	Compliant during the reporting period	Current assessment report as per CAP.
839:M4.4	**Compliance Reporting**	The proponent shall retain reports of all compliance assessments described in the compliance assessment plan required by condition 4-1 and shall make those reports available when requested by the Chief Executive Officer of the Office of the Environmental Protection Authority	Records and reports will be maintained in accordance with the Proponent's document management system requirements so that they can be retrieved if requested.	Availability at the request of the CEO	CEO		Overall	When requested by the CEO	Compliant during the reporting period	The CAP was submitted to the OEPA on 13th December 2010 and was approved by the OEPA on 14th February 2011. A CAR has been in December 2011and 2012. This 2013 CAR has also been submitted by 24th December as required.
839:M4.5	**Compliance Reporting**	The proponent shall advise the Chief Executive Officer of the Office of the Environmental Protection Authority of any potential non-compliance within seven days of that non-compliance being known	Notify in writing	Correspondence to CEO of OEPA	CEO		Overall	Within 7 days of non-compliance being known	Compliant during the reporting period	No non-compliances, which were required to be reported to the OEPA in accordance with Condition 4.5 were observed during the reporting period.
839:M4.6	**Compliance Reporting**	The proponent shall submit to the Chief Executive Officer of the Office of the Environmental Protection Authority the first compliance assessment report fifteen months from the date of issue of this Statement addressing the twelve month period from the date of issue of this Statement and then annually from the date of submission of the first compliance assessment report. The compliance assessment report shall: 1. be endorsed by the proponent's Chief Executive Officer or a person delegated to sign on the Chief Executive Officer's behalf; 2. include a statement as to whether the proponent has complied with the conditions; 3. identify all potential non-compliances and describe corrective and preventative actions taken; 4. be made publicly available in accordance with the approved compliance assessment plan; and 5. indicate any proposed changes to the compliance assessment plan required by condition 4-1.	In accordance with CAP	1. Endorsement in Compliance Report. 2. Compliance Report. 3. Uploaded on to proponent's website and copies sent to DEC Library and PIMB (OEPA).	CEO		Overall	The First CAR submitted due by 24 December 2011. Then annually by 24 December	Compliant during the reporting period	This report is the third annual compliance assessment report prepared in accordance with the compliance assessment plan which is due to be submitted by 24th December 2013.
839:M5.1	**Flora and Vegetation**	The proponent shall ensure that there is no loss of plants of Declared Rare Flora species due to construction or operational activities unless otherwise approved.	Implementation and internal audit of DRF management strategies in Section 13 of the Threatened Species and Community Management Strategy (TS&CMS). Implementation and internal audit of Environmental Monitoring Strategy Application for Licence to Take DRF (Regulation 17) where applicable	Species location records, design/location records and any incident reports/logs in monitoring report and summary in Compliance Report Approvals for license to take DRF	Min for Env		Overall	Ongoing	Compliant during the reporting period	Permit to clear procedures requires that all clearing permit clearly identify "No Go" area which incorporate DRF species and proposed clearing areas are inspected by Environmental professionals prior to clearing. Clearing permits are only signed off once a review has been completed against known DRF locations.
839:M5.2	**Flora and Vegetation**	The proponent shall undertake monitoring of the condition and abundance of vegetation and flora at reference and potential impact sites in accordance with the "Tropicana Gold Project Environmental Monitoring Strategy, Version: 1.0, Author: B Bastow, Issue Date: 18 February 2010" or subsequent revisions approved by the Chief Executive Officer of the Office of the Environmental Protection Authority. This monitoring is to be carried out to the requirements of the Chief Executive Officer of the Office of the Environmental Protection Authority on advice of the Department of Environment and Conservation	Implementation and internal audit of Environmental Monitoring Strategy Correspondence with OEPA (revisions) and DEC	Monitoring report included in Project Annual Environmental Report (AER) and summary in Compliance Report. Monitoring Records Maps and Photos Correspondence with OEPA (revisions) and DEC	CEO	DEC	Overall	Ongoing	Compliant during the reporting period	The annual vegetation monitoring project was conducted during 2013 and the report will be provided to the DEC through the annual environmental reporting process due in January 2014. A brief overview of the report's findings is provided in the 2013 CAR.

AUDIT TABLE

Proposal Implementation Monitoring Section
PROJECT: Tropicana Gold Project, Shire of Menzies, Shire of Laverton and The City of Kalgoorlie-Boulder

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Status-2013	Comment
839:M5.3	**Flora and Vegetation**	Should the potential impact sites show a 25 per cent (or greater) decline in cover or productivity as compared to the reference sites, the proponent shall provide a report to the Chief Executive Officer of the Office of the Environmental Protection Authority within 21 days of the decline being identified which 1). describes the decline; 2). provides information which allows determination of the likely root cause of the decline; and 3). if likely to be caused by activities undertaken in implementing the proposal, states the actions and associated timelines proposed to remediate the decline.	Internal audit of monitoring records and analysis of monitoring data Notify in writing	Monitoring Records Report outlining decline, potential causes and corrective actions taken Report to CEO of OEPA	CEO		Overall	Within 21 days of the decline being identified	Compliant during the reporting period	The annual vegetation monitoring was conducted during September 2013 and no deterioration in vegetation condition associated with the project activities was noted. A number of locations had however been affected by fire and changes in condition due to annual rainfall fluctuation were noted. A brief overview of the report's findings is provided in the 2013 CAR.
839:M5.4	**Flora and Vegetation**	The proponent shall, on approval of the Chief Executive Officer of the Office of the Environmental Protection Authority, implement the actions identified in 5-3 (3) and continue to implement such actions until the Chief Executive Officer of the Office of the Environmental Protection Authority determines that the remedial actions may cease.	Implement the actions identified in 5-3 (3)	Correspondence with the OEPA	CEO		Overall	On approval of the CEO	Not required at this stage	No decline in condition was noted and no remedial actions were required.
839:M5.5	**Flora and Vegetation**	The proponent shall make the Environmental Monitoring Strategy referred to in 5-2 publically available in a manner approved by the Chief Executive Officer of the Office of the Environmental Protection Authority	1. In accordance with Proposal Implementation Monitoring Section – Fact Sheet 1 – Draft - Making Documents Publicly Available, unless otherwise instructed by the CEO; 2. Adherence to a condition in a Statement requiring public availability of documents must occur within 14 days of submission of the documents to the CEO; and 3. 14 days from the date of making documents publicly available, proponents shall provide evidence to the CEO to confirm that advertising or lodgement on website has been completed.	Document available on website (and letter to CEO to confirm) Copy of Document to DEC Library and PIMB (OEPA)	CEO		Overall	Ongoing and within 14 days of submission and approval of any revisions	Compliant during the reporting period	The Environmental Monitoring strategy is available on the Tropicana JV website (www.tropicanajv.com.au/sustainability) and released with the Tropicana Gold Project Response to submission document. No changes to that document have been made during the reporting period.
839:M6.1	**Threatened Species**	The proponent shall implement the "Tropicana Gold Project Threatened Species and Communities Management Strategy, Version 2.0, Author: B Bastow, Issue Date: July 2009", or subsequent revisions approved by the Chief Executive Officer of the Office of the Environmental Protection Authority. The objective of this strategy is to minimise adverse impacts to conservation significant species and communities.	Implementation and internal audit of DRF management strategies in Section 13 of the Threatened Species and Community Management Strategy (TS&CMS). Internal Audit Correspondence with OEPA (revisions)	Monitoring report included in Project Annual Environmental Report (AER) and summary in Compliance Report. Electronic Species location records Design/location records Site inductions Maps and Photos	CEO		Overall	Ongoing	Compliant during the reporting period	Permit to clear procedures requires that all clearing permits clearly identify "No Go" and minimize impact areas determined during the EIA process. All proposed clearing areas are inspected by Environmental professionals prior to clearing. Clearing permits are only signed off once a review has been completed against known threatened species location assessed within the project GIS. Threatened species information has been included in inductions and education material developed for distribution to all workers. No new locations of threatened species were identified during the reporting period.
839:M6.2	**Threatened Species**	The proponent shall review and revise the Tropicana Gold Project Threatened Species and Communities Management Strategy referred to in 6-1, in consultation with the Department of Environment and Conservation, every three years to ensure that the mitigation and management techniques remain valid and incorporate any relevant new research.	Formal review by specialist advisers and DEC	Correspondence with DEC Revised Strategy Research records	Min for Env	DEC	Overall	Review and revise every 3 years with the first review due **24 September 2013.**	Not compliant during the reporting period	A review of the Tropicana Gold Project Threatened Species and Communities Management Strategy will be undertaken during 2014 in conjunction with the DER.

AUDIT TABLE

Proposal Implementation Monitoring Section
PROJECT: Tropicana Gold Project, Shire of Menzies, Shire of Laverton and The City of Kalgoorlie-Boulder

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Status-2013	Comment
839:M6.3	**Threatened Species**	The proponent shall make the Tropicana Gold Project Threatened Species and Communities Management Strategy referred to in 6-1 publically available in a manner approved by the Chief Executive Officer of the Office of the Environmental Protection Authority.	1. In accordance with Proposal Implementation Monitoring Section – Fact Sheet 1 – Draft - Making Documents Publicly Available, unless otherwise instructed by the CEO; 2. Adherence to a condition in a Statement requiring public availability of documents must occur within 14 days of submission of the documents to the CEO; and 3. 14 days from the date of making documents publicly available, proponents shall provide evidence to the CEO to confirm that advertising or lodgement on website has been completed.	Document available on website (and letter to CEO to confirm) Copy of Document to DEC Library and PIMB (OEPA)	CEO		Overall	Ongoing and within 14 days of submission and approval of revision	Compliant during the reporting period	The Threatened Species and Communities Management Strategy is available on the Tropicana JV website (www.tropicanajv.com.au/sustainability) and released with the Tropicana Gold Project EIA document.
839:M7.1	**Trapped Fauna**	The proponent shall ensure that open trenches associated with construction of the water pipeline and the communications link are cleared of trapped fauna by fauna-rescue personnel at least twice daily. Details of all fauna recovered shall be recorded. The first daily clearing shall take place no later than three hours after sunrise and shall be repeated between the hours of 3:00 pm and 6:00 pm. The open trenches shall also be cleared, and fauna details recorded, by fauna-rescue personnel no more than one hour prior to backfilling of trenches. Note: "fauna-rescue personnel" means employees of the proponent whose responsibility it is to walk the open trench to recover and record fauna found within the trench.	Internal audit of trench inspection records and procedures	Trench Inspection Fauna Report Trench inspection records Backfilling records Fauna removal and relocation records Fauna injury/mortality records Correspondence with the DEC	Min for Env		Construction	Duration of pipeline construction Trench inspection fauna report will be submitted no later than 21 day from the cessation of construction	Compliant during the reporting period	A fauna inspection report to meet this ministerial condition was submitted to the OEPA in June 2013 following the completion of the pipeline construction.
839:M7.2	**Trapped Fauna**	The fauna-rescue personnel shall be trained in the following, through a program that meets the requirements of the Chief Executive Officer of the Office of the Environmental Protection Authority: 1. fauna identification, capture and handling (including venomous snakes); 2. identification of tracks, scats, burrows and nests of conservation-significant species; 3. fauna vouchering (of deceased animals); 4. assessing injured fauna for suitability for release, rehabilitation or euthanasia; 5. familiarity with the ecology of the species which may be encountered in order to be able to appropriately translocate fauna encountered; and 6. performing euthanasia.	Training program approved by CEO of OEPA Internal audit of training records	Training Program records Correspondence with the OEPA	CEO		Construction	Program approved prior to the commencement of pipeline construction	Compliant during the reporting period	A training program was developed in conjunction with Polytech West and was submitted to the OEPA on 6th February 2012. The training program has been rolled out to 27 people to date involved in the trench inspections along the Pinjin corridor, borefield pipeline and pipeline trenches within the mining area.
839:M7.3	**Trapped Fauna**	Open trench lengths shall not exceed a length capable of being inspected and cleared by the fauna-clearing personnel within the required times as set out in condition 7-1.	Internal audit of inspection records Appropriate planning of pipeline construction	Trench Inspection Fauna Report Trench inspection records	Min for Env		Construction	During pipeline construction	Compliant during the reporting period	Construction of the 50km borefield pipeline was completed during the reporting period and a fauna inspection report was developed and submitted as required by Condition M7.1.
839:M7.4	**Trapped Fauna**	Ramps providing egress points and/or fauna refuges providing suitable shelter from the sun and predators for trapped fauna are to be placed in the trench at intervals not exceeding 50 meters.	Internal audit of inspection records and design drawings	Trench Inspection Fauna Report Trench inspection records Backfilling records Photographs	Min for Env		Construction	During pipeline construction	Compliant during the reporting period	The requirement to install ramps at approximately 50m intervals along pipeline trenches has been included into the Construction Environmental Management Plan and Management Strategy and has been implemented during pipeline trench construction. Installation of the fauna egress ramps are checked during the fauna trench inspections.

AUDIT TABLE

Proposal Implementation Monitoring Section
PROJECT: Tropicana Gold Project, Shire of Menzies, Shire of Laverton and The City of Kalgoorlie-Boulder

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Status-2013	Comment
										Details were included in the fauna inspection report submitted to OEPA in June 2013.
839:M7.5	**Trapped Fauna**	The proponent shall produce a report on fauna management within the water pipeline lateral easement and communication corridor at the completion of pipeline and communication link construction. The report shall include the following: 1. details of all fauna inspections; 2. the number of fauna cleared from trenches; 3. fauna mortalities; and 4. all actions taken. The report shall be provided to the Chief Executive Officer of the Office of the Environmental Protection Authority no later than 21 days after the completion of pipeline installation, and shall be made publicly available in a manner approved by the Chief Executive Officer of the Office of the Environmental Protection Authority	1. As per PIMB fact sheet 1 Making documents publicly available. Preparation of report as per criteria following finalisation of pipeline installation and submit to OEPA within 21 days. Report published in a manner approved by CEO of OEPA	Trench Inspection Fauna Report Document available on website (and letter to CEO to confirm) Copy of Document to DEC Library and PIMB (OEPA)	CEO		Overall	Trench inspection fauna report will be submitted no later than 21 days after the completion of pipeline installation	Compliant during the reporting period	Construction of the 50km borefield pipeline was completed during the reporting period and a fauna inspection report was developed and submitted as required by Condition M7.1.
839:M8.1	**Groundwater and Surface Water Quality**	The proponent shall ensure that run-off and/or seepage from the tailings storage facility and waste material landforms does not impact the quality of surface water or groundwater within or adjacent to the proposal area to exceed the trigger values for a slightly to moderately disturbed ecosystem provided for in Table 3.4.2 of Chapter 3 of the Australian and New Zealand Environment and Conservation Council and Agriculture and Resource Management Council of Australia and New Zealand 2000, *Australian Water Quality Guidelines for Fresh and Marine Waters* and its updates, taking into consideration natural background water quality	Internal audit of water monitoring results against table 3.4.2 of Chapter 3 of *Australian Water Quality Guidelines for Fresh and Marine Waters (2000)* as updated	Monitoring Report included in Project AER and summary included as part of the Compliance Report	Min for Env		Overall	Ongoing	Compliant during the reporting period	During the reporting period, four monitoring bores were installed on the western side of the operational footprint to monitor for potential changes in groundwater associated with the waste landform, mineralised waste stockpile and the TSF. Work also commenced on planning for additional monitoring bores around the final waste landform footprints on the north and eastern sides of the operation. Background monitoring from these bores has been undertaken during 2013. Discharge of tails into the TSF only commenced in September 2013.
839:M8.2	**Groundwater and Surface Water Quality**	The proponent shall monitor the quality of surface water and groundwater upstream and downstream of the tailings storage facility and waste material landforms to ensure that the requirements of condition 8-1 are met. This monitoring is to be carried out using methods consistent with Australian and New Zealand Environment and Conservation Council and Agriculture and Resource Management Council of Australia and New Zealand 2000, *Australian Guidelines for Water Quality Monitoring and Reporting* (and its updates) and to the satisfaction of the Chief Executive Officer of the Office of the Environmental Protection Authority.	Implementation of Environmental Monitoring Strategy Internal audit of water monitoring methodology against *Australian Guidelines for Water Quality Monitoring and Reporting* (2000) and its updates	Monitoring report included in Project AER and Summary included in Compliance Report	CEO		Overall	Ongoing	Compliant during the reporting period	During the reporting period, four monitoring bores were installed on the western side of the operational footprint to monitor for potential changes in groundwater associated with the waste landform, mineralised waste stockpile and the TSF. Work also commenced on planning for additional monitoring bores around the final waste landform footprints on the north and eastern sides of the operation. Background monitoring from these bores has been undertaken during 2013. Discharge of tails into the TSF only commenced in September 2013.
839:M8.3	**Groundwater and Surface Water Quality**	The proponent shall commence the water quality monitoring required by 8-2 before ground disturbing activities in order to collect baseline data	Implementation of Environmental Monitoring Strategy Internal audit of groundwater and surface water monitoring program	Monitoring report included in Project AER and Summary included in Compliance Report	CEO		Pre-construction	Before ground disturbing activities.	Compliant during the reporting period	During the reporting period, four monitoring bores were installed on the western side of the operational footprint to monitor for potential changes in groundwater associated with the waste landform, mineralised waste stockpile and the TSF. Work also commenced on planning for additional monitoring bores around the final waste landform footprints on the north and eastern sides of the operation. Background monitoring from these bores has been undertaken during 2013. Discharge of tails into the TSF only commenced in September 2013.

AUDIT TABLE

Proposal Implementation Monitoring Section
PROJECT: Tropicana Gold Project, Shire of Menzies, Shire of Laverton and The City of Kalgoorlie-Boulder

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Status-2013	Comment
839:M8.4	**Groundwater and Surface Water Quality**	The proponent shall submit annually the results of monitoring required by condition 8-2 to the Chief Executive Officer of the Office of the Environmental Protection Authority	Written submission of results within the annual compliance reports	Correspondence with OEPA Monitoring report included in Project AER and Summary included in Compliance Report	CEO		Overall	Compliance Report – Annually by 24 December	Compliant during the reporting period	Four water samples from the newly installed Monitoring bores were analyzed during the reporting period. A summary of results obtained are provided in the CAR.
839:M8.5	**Groundwater and Surface Water Quality**	In the event that monitoring required by condition 8-2 indicates that the requirements of condition 8-1 are not being met, the proponent shall: 1. report such findings to the Chief Executive Officer of the Office of the Environmental Protection Authority within 21 days of the decline in water quality being identified; 2. provide evidence which allows determination of the root cause of the decline in water quality; and 3. if determined to be a result of activities undertaken in implementing the proposal, state the actions and associated timelines proposed to be taken to remediate the water quality.	Preparation of report as per criteria and submit to OEPA within 21 days. Internal review of monitoring results against criteria outlined in condition 8.1	Report outlining the water quality change, potential causes and corrective actions taken	CEO		Overall	No later than 21 days of the decline in water quality being identified.	Not required at this stage	Discharge into the TSF only commenced in September 2013 and therefore monitoring conducted during the reporting period is background monitoring only.
839:M8.6	**Groundwater and Surface Water Quality**	The proponent shall, on approval of the Chief Executive Officer of the Office of the Environmental Protection Authority, implement the actions identified in 8-5 (3) and continue to implement such actions until the Chief Executive Officer of the Office of the Environmental Protection Authority determines that the remedial actions may cease.	Implement the actions identified in 8-5 (3)	Correspondence with OEPA	CEO		Overall	On approval of the CEO	Not required at this stage	Discharge into the TSF only commenced in September 2013 and therefore monitoring conducted during the reporting period is background monitoring only.
839:M8.7	**Groundwater and Surface Water Quality**	The proponent shall make the monitoring reports required by condition 8-2 publicly available in a manner approved by the Chief Executive Officer of the Office of the Environmental Protection Authority	1. In accordance with Proposal Implementation Monitoring Section – Fact Sheet 1 – Draft - Making Documents Publicly Available, unless otherwise instructed by the CEO; 2. Adherence to a condition in a Statement requiring public availability of documents must occur within 14 days of submission of the documents to the CEO; and 3. 14 days from the date of making documents publicly available, proponents shall provide evidence to the CEO to confirm that advertising or lodgement on website has been completed. In accordance with CAP	Document available on website (and letter to CEO to confirm) Copy of Document to DEC Library and PIMB (OEPA)	CEO		Overall	Within 14 days of submission	Compliant during the reporting period	Results from water monitoring conducted throughout the year will be included in the sites annual reporting requirements due in January 2014. The annual report is submitted to the DMP electronically via their online submission process. Once submitted this information is publically available,
839:M9.1	**Rehabilitation**	The proponent shall undertake progressive rehabilitation over the life of the proposal to achieve the following outcomes: 1. The waste material landforms and tailings storage facility shall be non-polluting and shall be constructed so that their stability, surface drainage, resistance to erosion and ability to support local native vegetation are similar to undisturbed natural analogue landforms as demonstrated by Ecosystem Function Analysis or other methodology acceptable to the Chief Executive Officer of the Office of the Environmental Protection Authority. 2. Waste material landforms, tailings storage facility and other areas disturbed through implementation of the proposal (excluding mine pits), shall be progressively rehabilitated with vegetation composed of native plant species of local provenance (defined as seed or plant material collected within the Great Victoria Desert Bioregions 1 and 2). 3. The percentage cover and species diversity of living self sustaining native vegetation in all rehabilitation areas shall be	Implementation of Operational Management Strategy, Tailings Environmental Management Strategy and Conceptual Closure and Rehabilitation Management Strategy (and approved future revisions) Internal audit of rehabilitation and closure activities and records Correspondence with OEPA and DEC on Monitoring Strategy Analysis of monitoring data	Rehabilitation Records Annual Mine Plan Map and photos of rehabilitation Rehabilitation Monitoring Records	CEO	DEC	Overall	Ongoing	Compliant during the reporting period	Rehabilitation commenced along the Pinjin Corridor in facilities no longer required including borrow pits, turkey nests, laydown areas and flycamps. As construction activities within the operational area and process water supply borefield were completed in 2013, rehabilitation opportunities within these areas were limited.

AUDIT TABLE

Proposal Implementation Monitoring Section
PROJECT: Tropicana Gold Project, Shire of Menzies, Shire of Laverton and The City of Kalgoorlie-Boulder

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Status-2013	Comment
		comparable to that of undisturbed natural analogue sites as demonstrated by Ecosystem Function Analysis or other methodology acceptable to the Chief Executive Officer of the Office of the Environmental Protection Authority. 4. No new species of weeds (including both declared weeds and environmental weeds) shall establish in the area as a result of the implementation of the proposal. 5. The coverage of weeds (including both declared weeds and environmental weeds) within rehabilitated areas shall be no greater than the average of three reference sites on nearby land, with the reference sites to be chosen in consultation with the Department of Environment and Conservation. Note: The methodology for Ecosystem Function Analysis is set out in Tongway DJ and Hindley 2004 *Landscape Function Analysis – Procedures for Monitoring and Assessing Landscapes*, Commonwealth Scientific and Industrial Research Organisation Sustainable Ecosystems, Canberra.								
839:M9.2	**Rehabilitation**	Rehabilitation activities shall continue until such time as the requirements of condition 9-1 are met, and are demonstrated by inspections and reports to be met, for a minimum of five years following mine completion to the satisfaction of the Chief Executive Officer of the Office of the Environmental Protection Authority, on advice of the Department of Mines and Petroleum	Activities will continue until the M9.1 requirements are met for a minimum of 5 years Seek advice from DMP following mine completion.	Rehabilitation records Rehabilitation Monitoring Records Correspondence with OEPA and DMP	CEO	DMP	Overall	Ongoing until the requirements of M9-1 are met for a minimum of 5 years	Compliant during the reporting period	Rehabilitation activities commenced along the Pinjin Corridor during the reporting period. Rehabilitation success in these areas will be audited during 2014.
839:M10.1	**Final Closure and Decommissioning Plan**	At least five years prior to mine completion, the proponent shall prepare and submit a Final Closure and Decommissioning Plan to the requirements of the Chief Executive Officer of the Office of the Environmental Protection Authority, on advice of the Department of Mines and Petroleum	Preparation of a Final Closure and Decommissioning Plan in accordance with criteria.	Correspondence with OEPA approving the Plan	CEO	DMP	Overall	At least five years prior to mine completion	Not required at this stage	The site Mine Closure Strategy document is being transformed into an updated mine closure plan that is consistent with the 2011 DMP guidelines
839:M10.2	**Final Closure and Decommissioning Plan**	The Final Closure and Decommissioning Plan shall be prepared consistent with: 1. ANZMEC/MCA 2000, *Strategic Framework for Mine Closure Planning*; and 2. Department of Industry Tourism and Resources 2006 *Mine Closure and Completion* (Leading Practice Sustainable Development Program for the Mining Industry), Commonwealth Government, Canberra;	Preparation of a Final Closure and Decommissioning Plan in accordance with criteria.	Submit plan to CEO of OEPA and DMP Approval of Plan by OEPA.	CEO	DMP	Overall	At least five years prior to mine completion	Not required at this stage	The project is only in its second year of mining and first year processing.
839:M10.3	**Final Closure and Decommissioning Plan**	The Final Closure and Decommissioning Plan shall provide detailed technical information on the following: 1. final closure of all areas disturbed through implementation of the proposal so that they are safe, stable and non-polluting; 2. decommissioning of all plant and equipment; 3. disposal of waste materials; 4. final rehabilitation of waste dumps; tailings storage facilities and other areas (outside the mine pit(s)); 5. Management and monitoring following mine completion; and 6.inventory of all contaminated sites and proposed management.	Preparation of a Final Closure and Decommissioning Plan in accordance with criteria.	Submit plan to CEO of OEPA and DMP. Approval of the plan by OEPA.	CEO	DMP	Overall	At least five years prior to mine completion	Not required at this stage	The project is only in its second year of mining and first year processing. .
839:M10.4	**Final Closure and Decommissioning Plan**	The proponent shall close, decommission and rehabilitate the proposal in accordance with the approved Final Closure and Decommissioning Plan	Implementation of the Final Closure and Decommissioning Plan Internal and external audits (as required) of the Final Closure and Decommissioning Plan	Closure, rehabilitation and Decommissioning activities detailed in the Project AER and summary included in Compliance Report	Min for Env		Overall	Ongoing	Not required at this stage	The project is only in its second year of mining and first year processing.

Office of the Environmental Protection Authority

GOVERNMENT OF WESTERN AUSTRALIA

AUDIT TABLE

Proposal Implementation Monitoring Section

PROJECT: Tropicana Gold Project, Shire of Menzies, Shire of Laverton and The City of Kalgoorlie-Boulder

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Status-2013	Comment
839:M10.5	**Final Closure and Decommissioning Plan**	The proponent shall make the Final Closure and Decommissioning Plan required by conditions 10-1 and 10-2 publicly available in a manner approved by the Chief Executive Officer of the Office of the Environmental Protection Authority	1. In accordance with Proposal Implementation Monitoring Section – Fact Sheet 1 – Draft - Making Documents Publicly Available, unless otherwise instructed by the CEO; 2. Adherence to a condition in a Statement requiring public availability of documents must occur within 14 days of submission of the documents to the CEO; and 3. 14 days from the date of making documents publicly available, proponents shall provide evidence to the CEO to confirm that advertising or lodgement on website has been completed.	Document available on website (and letter to CEO to confirm) Copy of Document to DEC Library and PIMB (OEPA)	CEO		Overall	Within 14 days of submission	Not required at this stage	The project is only in its second year of mining and first year processing.

Appendix 2: Section 45C approval TSF design modification

GOVERNMENT OF WESTERN AUSTRALIA

Environmental Protection Authority

The Atrium,
Level 8, 168 St Georges Terrace,
Perth, Western Australia 6000.
Telephone: (08) 6467 5000.
Facsimile: (08) 6467 5557.

Postal Address: Locked Bag 33,
Cloisters Square, Perth, Western Australia 6850.
Website: www.epa.wa.gov.au

Ms Belinda Bastow
Manager: Approvals/Compliance/Sustainability
AngloGold Ashanti Australia
GPO Box B91
PERTH WA 6831

Our Ref: A535397: OEPA2012/000452-1
Enquiries: Jake Cutler (6467 5187)
Email: Jake.Cutler@epa.wa.gov.au

Belinda

Dear Ms Bastow

TROPICANA GOLD PROJECT, SHIRE OF MENZIES, SHIRE OF LAVERTON AND THE CITY OF KALGOORLIE – BOULDER (MINISTERIAL STATEMENT 839) – SECTION 45C APPLICATION

Thank you for your letter of 16 August 2012 requesting approval of a change to the above proposal under section 45C of the *Environmental Protection Act 1986*.

Under section 45C of the *Environmental Protection Act 1986* I am able to approve a change or changes to a proposal without a revised proposal being submitted to the Environmental Protection Authority.

I consider that the change described in Attachment 1 to Ministerial Statement 839 will not result in a significant, detrimental, environmental effect in addition to, or different from, the effect of the original proposal.

Approval of the change to the proposal is therefore granted under section 45C of the *Environmental Protection Act 1986*. You are reminded that this approval shall be implemented in accordance with the implementation conditions in Ministerial Statement 839. The Tropicana Gold Project will require further approvals from other government agencies. More specifically, the proposed single cell Tailings Storage Facility will require approvals from the Department of Environment and Conservation (Works Approval and Licences) and the Department of Mines and Petroleum (Mining Proposal).

Approvals from these agencies will set the design and operational standards for the proposed single cell Tailings Storage Facility.

Yours sincerely

Dr Paul Vogel
CHAIRMAN

19 November 2012

Encl.

cc.

Department of Mines and Petroleum, Environment Division – Minerals
Department of Environment and Conservation, Goldfields Region
Department of Environment and Conservation, Contaminated Sites Branch

Attachment 1 to Ministerial Statement 839

Change to proposal under s45C of the *Environmental Protection Act 1986*

Proposal: Tropicana Gold Project, Shire of Menzies, Shire of Laverton and the City of Kalgoorlie – Boulder

Proponent: Tropicana Joint Venture (AngloGold Ashanti Australia Limited and Independence Group NL)

Change: Implement a single cell tailings storage facility.

Key Characteristics Table: This table replaces Table 1 in Schedule 1

Element	Description of proposal	Description of approved change to proposal
	General	
Project life	Approximately 15 years of mining; total project duration up to 25 years (including post closure monitoring)	Approximately 15 years of mining; total project duration up to 25 years (including post closure monitoring)
	Mining and Processing	
Mining rate	Up to 75 mtpa (ore and waste)	Up to 75 mtpa (ore and waste)
Stripping ratio	8:1	8:1
Number of pits	Up to 4	Up to 4
Open pit void/s	Not more than 400 ha	Not more than 400 ha
Maximum length of pit/s	6 km (if pits combine)	6 km (if pits combine)
Maximum width of pit	1.5 km	1.5 km
Overburden and waste	Not more than 800 mt	Not more than 800 mt
Waste landform	Not more than 1,200 hectares. Maximum height 375 mRL. Slope with maximum angle of 15 degrees	Not more than 1,200 hectares. Maximum height 375 mRL. Slope with maximum angle of 15 degrees
Water supply	Up to 7 gl/year	Up to 7 gl/year
Dewatering rate	1,000 – 5,000 kl/day	1,000 – 5,000 kl/day
	Infrastructure	
Mine access road	Pinjin Option – 370 km (~210 km of road construction)	Pinjin Option – 370 km (~210 km of road construction)
Communications	Fibre Optic or Microwave via either Pinjin or	Fibre Optic or Microwave via either Pinjin or

	Tropicana Transline Corridor	Tropicana Transline Corridor
Aerodrome	All weather strip 2.4 km long	All weather strip 2.4 km long
Main power supply	Onsite power station with an installed capacity of up to 40 Mw	Onsite power station with an installed capacity of up to 40 Mw
Water pipeline	Approximately 50 km in length from the borefield (located north northwest of Operational Area) to the process plant.	Approximately 50 km in length from the borefield (located north northwest of Operational Area) to the process plant.
Tailings Storage Facility	Up to 7 mtpa; two-cell paddock tailings storage facility with possible in-pit deposition. Maximum height of 372 mRL. Approximately 1330 m wide by 1850 m.	**Up to 7 mtpa; single-cell paddock tailings storage facility with possible in-pit deposition. Maximum height of 372 mRL. Maximum 292ha footprint.**
Disturbance Areas		
Disturbance Area	Not more than 3,440 ha comprising: • operational area – 2,570 ha. • water supply area – 200 ha. • infrastructure areas – 670 ha.	Not more than 3,440 ha comprising: • operational area – 2,570 ha. • water supply area – 200 ha. • infrastructure areas – 670 ha.

Note: Text in **bold** in the Key Characteristics Table, indicates change/s to the proposal.

Abbreviations

Mtpa	Million tons per annum	kl/day	Kilo litres per day
Mt	Million tons	gl/year	Giga Litres per year
mAHD	metres Australian Height Datum	m/sec	Metres per second
ha	Hectares	ML	Mega Litres
Mw	Megawatts	kl	Kilo litres

Note there are no change(s) to figure 1 or 2 in schedule 1.

Dr Paul Vogel
CHAIRMAN
Environmental Protection Authority
under delegated authority

Approval date: 19.11.12

Appendix 3 – Fauna Trench Inspection Report

ANGLOGOLD ASHANTI
AUSTRALIA

INDEPENDENCE GROUP NL

TROPICANA JOINT VENTURE
AngloGold Ashanti Australia Limited \ A.B.N. 42 008 737 424
Level 13 \ 44 St Georges Tce \ Perth \ WA 6000 \ Australia \ PO Box Z5046 \ Perth \ WA 6831 \ Australia
Tel +61 8 9425 4600 \ Fax +61 8 9425 4650 \ Website: www.AngloGoldAshanti.com

28th June 2013 Ministerial Statement No 839

Kim Taylor
General Manager
Office of the Environmental Protection Authority
Locked Bag 33, Cloisters Square
PERTH WA 6850

Attn: Jake Culter

Dear Kim,

RE: Tropicana Gold Mine Ministerial Statement No 839 Condition 7.5 Fauna Trench Inspection Report

As required by Condition 7.5 of Ministerial Statement No 839, please find attached a fauna trench inspection report for construction trenching activities associated with the Tropicana Gold Mine. The attached report has been developed by AngloGold Ashanti Australia Ltd on behalf of the Tropicana Joint Venture.

Should you have any queries with the attached document or require further information please contact me on (08) 9265 2200 or via email tgpapprovals@anglogoldashanti.com.au.

Yours sincerely,

Belinda Bastow
Manager Sustainability/Compliance/Approvals
ANGLOGOLD ASHANTI AUSTRALIA

Tropicana Joint Venture

Tropicana Gold Mine

Fauna Trench Inspection Report

Ministerial Statement No 839/Condition 7.5

June 2013

Prepared by AngloGold Ashanti Australia
on behalf of the Tropicana JV

25 June 2013

ANGLOGOLD ASHANTI

INDEPENDENCE GROUP NL

TABLE OF CONTENTS

TABLES

FIGURES

APPENDICES

1 INTRODUCTION

The Tropicana Gold Mine is located 330km east north east of Kalgoorlie in the Great Victoria Desert Biogeographic Region of Western Australia (Figure 1.1). The project obtained approval under the WA *Environmental Protection Act* in October 2010 (Ministerial Statement No 839) and Commonwealth *Environment Protection and Biodiversity Conservation Act* in December 2010. A copy of the Ministerial Statement is provided in Appendix 1.

The Tropicana Gold Mine project (TGM) includes:

- Operational area containing the pits, waste landforms, stockpiles, tailings storage facility, processing plant, village, aerodrome and other supporting infrastructure.
- Infrastructure corridor including the access road and communications corridor linking the operational area to existing communications and road networks in Kalgoorlie.
- Process water supply area providing the main processing water.

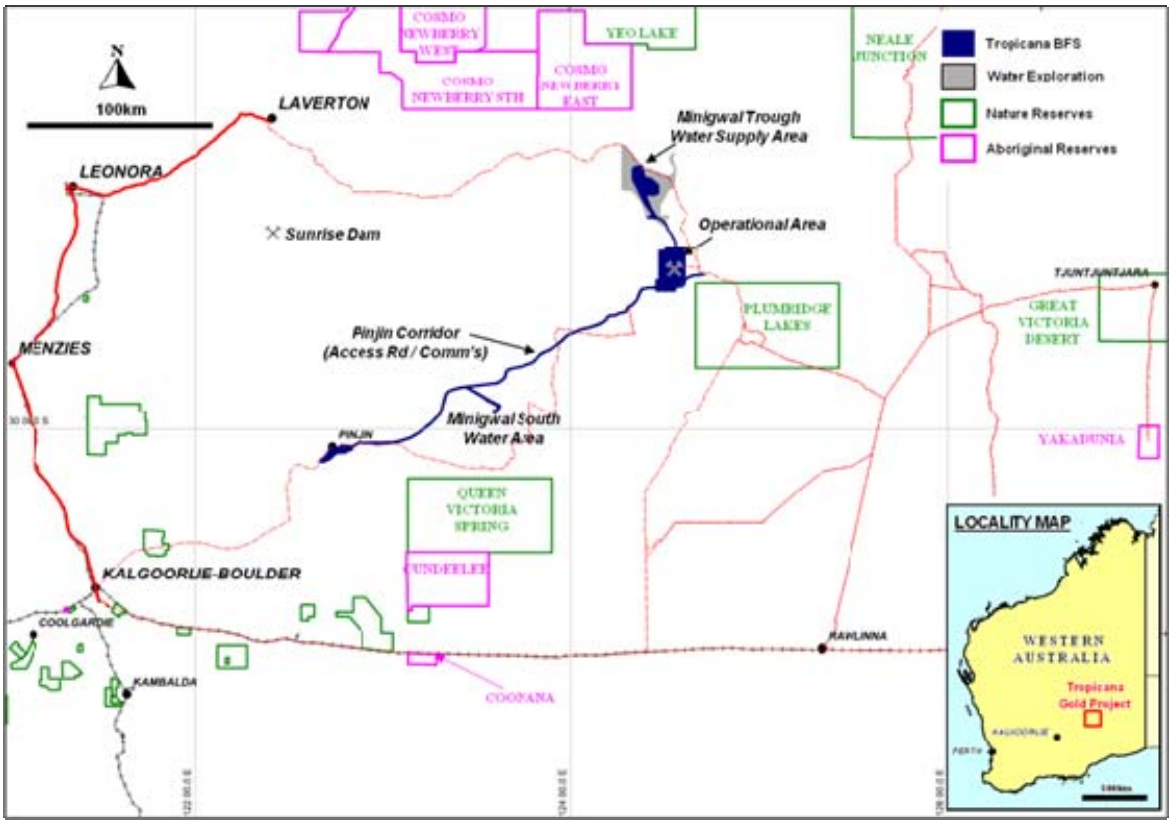

Figure 1.1 Tropicana Gold Project Location

Construction phase of the project is nearing completion and in accordance with Ministerial Statement No 839 Condition No 7.5, a report providing details of all fauna trench inspections conducted along the water pipelines and communication corridor is to be submitted to the Environmental Protection Authority. This report has been developed by AngloGold Ashanti Australia on behalf of the Tropicana Joint Venture (AngloGold Ashanti Australian-70% and Independence Group-30%) to meet the requirement of that condition.

2 FAUNA TRENCH INSPECTION METHODOLOGY

2.1 Inspection requirements

Condition No 7 of Ministerial Statement No 839 relates to fauna trapped within open trenches and contained a number of sub-conditions. Condition 7.1 required fauna inspections to be conducted twice a day (early morning and late afternoon) on all open trenches to clear any fauna trapped within the trench. Condition 7.2 required personnel involved in the trench inspections to be appropriately trained in the identification, capture and handling of trapped fauna. Conditions 7.3 and 7.4 provided open trench design requirements including limiting lengths of open trench sections and ensuring fauna egress ramps were installed at least every 50m along the open trench.

Condition 7.5 required the preparation of a report on fauna management within the pipeline and communication corridors at the completion of construction and specified that the report is to include details of all fauna inspections, the number of fauna cleared from the trenches, fauna mortalities and all actions taken. The condition also requires this report be submitted within 21 days of pipeline installation completion.

Trench inspections have been conducted along key infrastructure including the Pinjin Corridor, Kamikaze borefield (construction water), the processing plant construction area and within the process water supply borefields and access corridor. These key locations are shown on Figure 2.1.

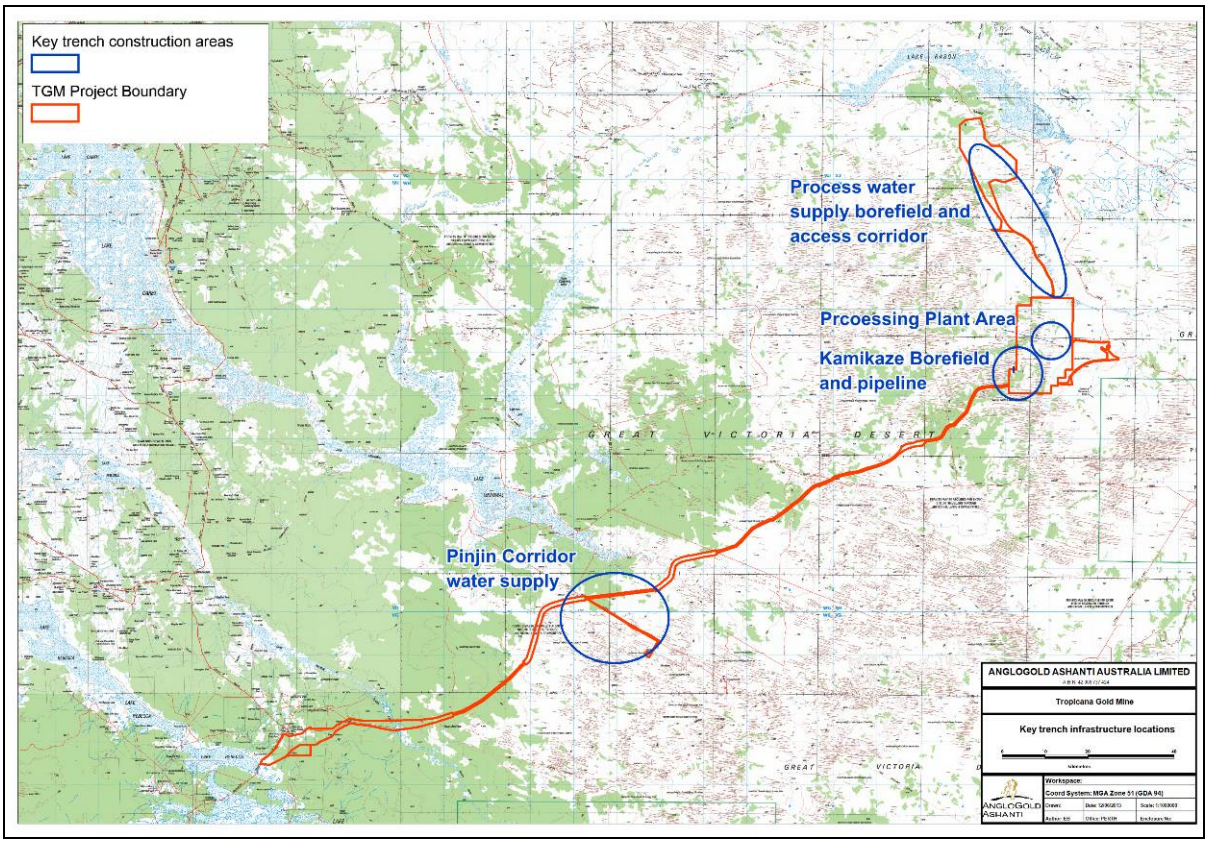

Figure 2.1 Key Trench Infrastructure Areas

2.2 Training program

To ensure personnel involved in the fauna trench inspections were adequately trained, a fauna handling training program for the safe removal and handling of trapped fauna was developed during 2011 in conjunction with the training provider Polytech West.

The training program was designed to meet DEC and EPA requirements as set out in Ministerial Condition No 7.2 and was specifically developed for the TGM construction activities.

The training program was rolled out to 27 personnel over four sessions throughout the construction period to personnel involved in the trench inspections along the Pinjin corridor, borefield pipeline and pipeline trenches within the operational area.

Figure 2.2 shows trench inspection personnel attending the fauna handling training course.

Figure 2.2 Fauna Handling training Course

A copy of the training program was submitted to the OEPA on 6th February 2012 for approval. An overview of the training program is provided in Appendix 2 and a list of all personnel who conducted the training course is provided in Appendix 3.

2.3 Inspection methodology

A procedure for excavation fauna inspection and trapped fauna removal was developed during 2011 which outlined the process for the safe and humane removal of animals confined within excavations. The procedure also addressed other potential fauna traps including open water bodies such as stormwater ponds or turkey's nests and excavations containing mud or other slurries.

The management requirements for open trenches as outlined in the procedure are provided in Table 2.1 while the process of conducting the trench inspections is provided in Figure 2.3.

Table 2.1 Open Trenches management requirements

Action	Timing
All excavations which are open for >24hrs are to be inspected for fauna before lowering of pipes or cables and prior to backfilling.	During Construction
Open trench lengths are not to exceed a length capable of being inspected and cleared by the fauna handling team within the required time limits (not more than 10km). Trenches will remain open for the minimum time practicable.	During Construction
All major pipeline or cable excavations are to be inspected twice daily for trapped fauna. This shall be undertaken as follows: • First clearing shall occur no later than three hours after sunrise; • Final clearing shall occur between the hours of 3pm and 6pm; and • During the day, where practicable (e.g. during extreme temperatures	Twice daily when trenches are open Within 3 hours of sunrise Between 3pm-6pm. Midday during extreme

Action	Timing
or during periods of excavation and construction activities). • The inspection shall be conducted with one team member walking inside the inspection trench and the other on the surface.	temperatures
Structures/shelters are to be placed inside open excavations to enable fauna to shelter or escape. These shall be placed at not more than 50m intervals and at each end of the trench. The gradient must enable an animal to use the plus have not lips or obstacles.	At all times when trenches are open

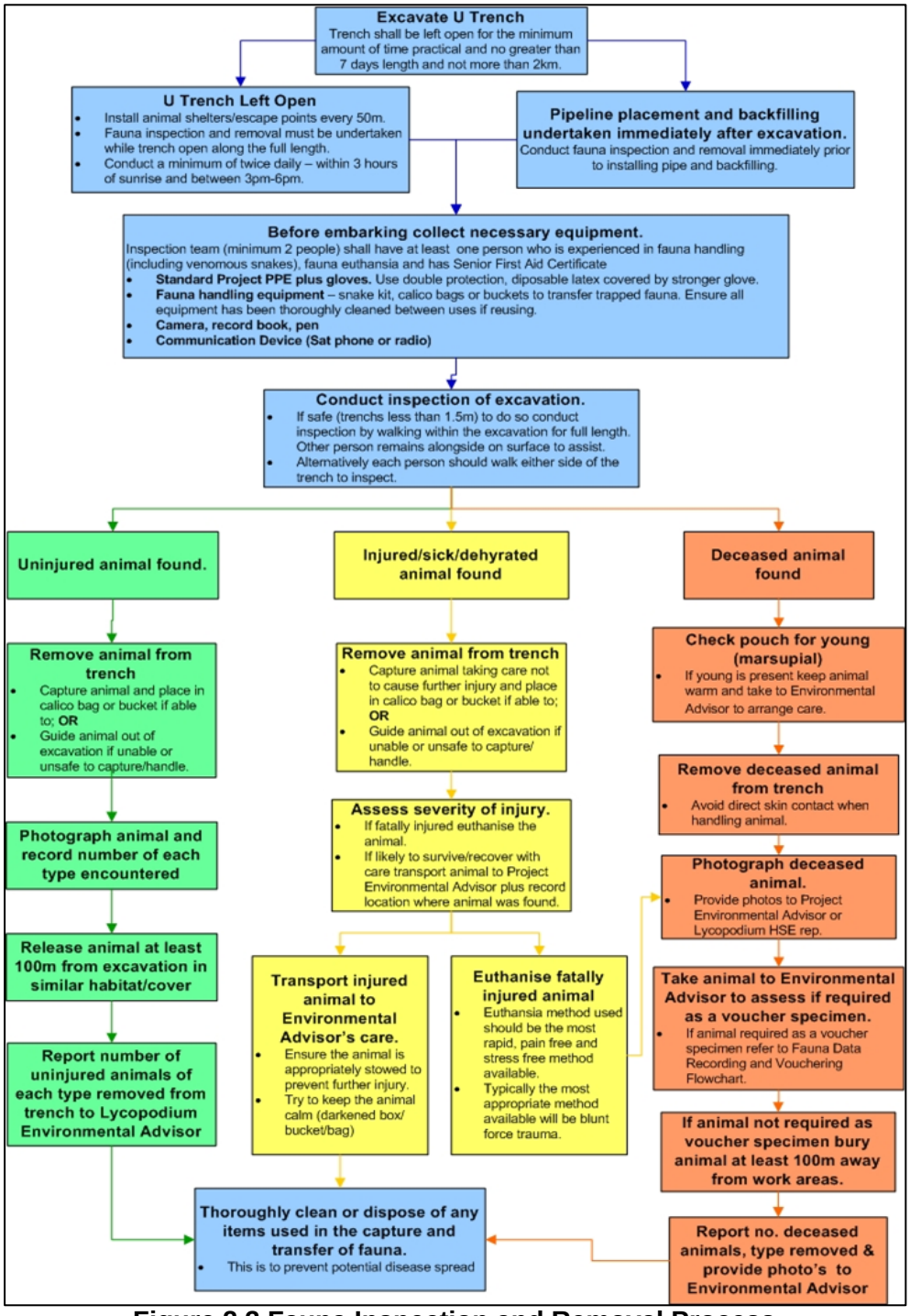

Figure 2.3 Fauna Inspection and Removal Process

During the construction phase, trench inspections were conducted on over 62 excavations including trenches for pipelines, communication cables, electrical cabling and excavations for facility footings.

2.4 Inspection Record Forms

Detailed records of all inspections undertaken and fauna recovered during each inspection have been documented in a fauna trench inspection register containing information on:

- Location
- Date of inspection
- Time of inspection (specifying time within 3hours of sunrise and between 3-6pm)
- Name of person conducting inspection and the company they represent
- Results of inspection including details of any fauna located
- Fauna status (alive, injured, deceased)

The register was updated on a daily basis to ensure all information obtained was accurately captured.

3 TRENCH INSPECTION RESULTS

The fauna trench inspection register contains records of 1,385 inspection days between May 2011 and June 2013 with two inspections being conducted each day. Inspections were only conducted outside of the required inspection times of dawn and dusk when the trench was being backfilled and an inspection prior to commencing backfilling activities was undertaken.

Fauna was located within excavation areas on 61 of the inspection days with a total of 161 animals being recorded, 13 of which (8%) were found deceased. The majority of the deceased animals were marsupials (mice). Details of the animals recorded are provided in Table 3.1 and Figure 3.1.

Table 3.1 Recorded Fauna

Fauna group	Fauna type	Number recorded	Status
Reptiles	Lizards	71	All alive and uninjured
	Dragons	21	All alive and uninjured
	Snakes	18	Two found deceased
	Skinks	15	Two found deceased
	Geckos	15	All alive and uninjured
Amphibians	Frogs	2	Both alive and uninjured
Mammals	Marsupials	14	Nine found deceased
	Kangaroos	1 (tracks only)	Uninjured
	Dingo	1 (tracks only)	Uninjured
Birds	Bee-eater	1 (nesting in wall of trench)	Alive and uninjured
Invertebrates	Scorpion	2	Both alive and uninjured

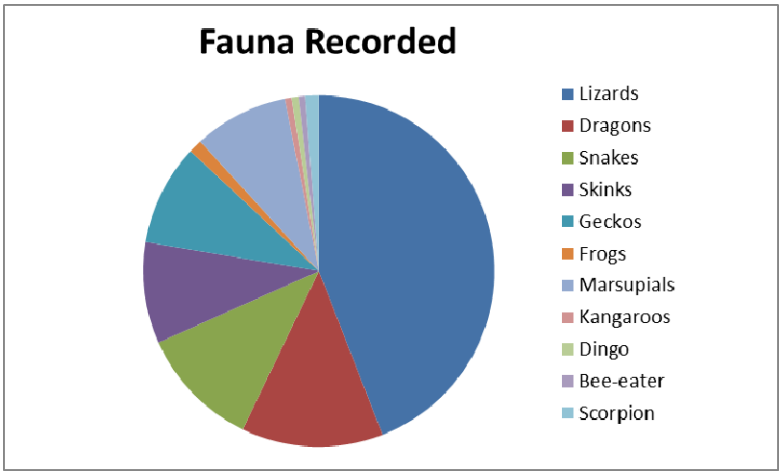

Figure 3.1 Fauna recorded by type

All fauna found alive and uninjured were either captured and successfully released into nearby bushland or were herded out of the trench via the fauna egress ramps. Those fauna found dead were removed from the trench and buried in adjacent bushland.

The majority of fauna were observed along the Pinjin Corridor and Kamikaze borefield pipeline construction corridors followed by the borefields pipeline and activities associated with the mine village excavations. This may be due to the remote location of these facilities from more intense construction activity within the processing plant construction site, as well construction of the Pinjin corridor and Kamikaze pipelines being completed during the early phase of the construction period.

During November 2012, a bushfire passed through the process water supply borefields area impacting on an extensive area of vegetation as shown in Figure 3.2. The fire had a dramatic impact on fauna habitats in the vicinity of the borefields and fauna sightings within the trenches in this area were minimal post the fire event. Photos from the fire event are provided in Figures 3.3 and 3.4.

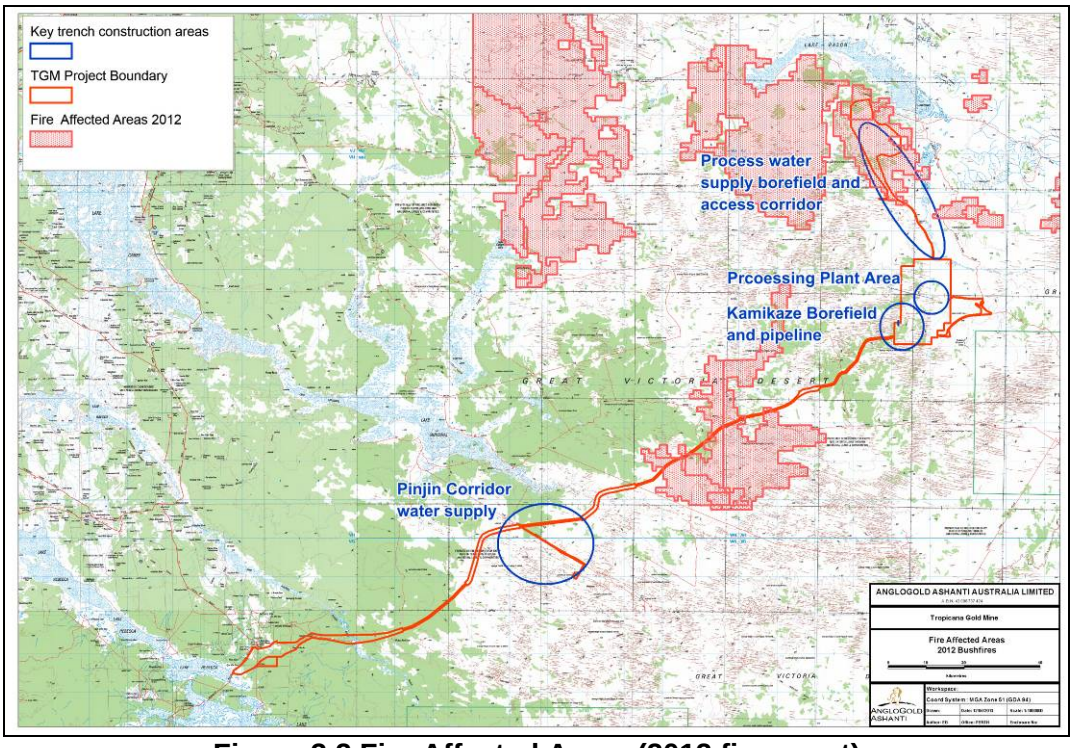

Figure 3.2 Fire Affected Areas (2012 fire event)

Figure 3.3. Fire Affected Area in the borefields (November 2012)

Figure 3.4 Fire affected area along borefields access corridor (November 2012)

Photos of some of the fauna successfully captured and released are provided below. Additional photos are provided in Appendix 4.

Ctenophorous sp **(Dragon**

Stophurus sp **(Gecko)**

Jan's Banded Snake (*Simoselaps bertholdi*)

***Ctenotus* sp.**

Burrowing Frog (*Neobatrachus sp)*

***Pogona sp* (Dragon)**

Thorny Devil (*Moloch horridus*)

Sand monitor (*Varanus sp*)

Smooth knob-tailed gecko (*Nephurus sp*)

Wongai ningaui

***Notomys* sp.**

4 CONCLUSIONS

The fauna trench inspections undertaken for the Tropicana Gold Mine construction activities were carried out in accordance with the requirements of the Ministerial Statement Condition No 7. The majority of fauna located within the trenches were found alive and uninjured and were successfully released with only 8% of the recorded fauna found deceased.

This report documents the results of all the trench inspections conducted during the projects construction phase to meet the requirements of Ministerial Statement Condition No 7.5.

APPENDIX 1: TROPICANA GOLD MINE MINISTERIAL STATEMENT NO 839

Minister for Environment; Youth

Statement No. 839

STATEMENT THAT A PROPOSAL MAY BE IMPLEMENTED (PURSUANT TO THE PROVISIONS OF THE ENVIRONMENTAL PROTECTION ACT 1986)

TROPICANA GOLD PROJECT,
SHIRE OF MENZIES, SHIRE OF LAVERTON AND
THE CITY OF KALGOORLIE – BOULDER

Proposal:	The proposal is the construction and operation of an open-cut gold mine and associated infrastructure, located approximately 330 km east northeast of Kalgoorlie and 200 km east of Laverton. The proposal is further documented in schedule 1 of this statement.
Proponent:	Tropicana Joint Venture (AngloGold Ashanti Australia Limited and Independence Group NL)
Proponent Address:	Level 13 St Martin's Tower 44 St Georges Terrace PERTH WA 6000
Assessment Number:	1745

Report of the Environmental Protection Authority: 1361

The proposal referred to in the above report of the Environmental Protection Authority may be implemented. The implementation of that proposal is subject to the following conditions and procedures:

1 Proposal Implementation

1-1 The proponent shall implement the proposal as assessed by the Environmental Protection Authority and described in Schedule 1 of this statement subject to the condition and procedures of this statement.

Published on:

10th Floor, Dumas House, 2 Havelock Street, West Perth Western Australia 6005
Telephone: +61 8 9213 7250 Facsimile: +61 8 9213 7255 Email: Minister.Faragher@dpc.wa.gov.au

2 Proponent Nomination and Contact Details

2-1 The proponent for the time being nominated by the Minister for Environment under sections 38(6) or 38(7) of the *Environmental Protection Act 1986* is responsible for the implementation of the proposal.

2-2 The proponent shall notify the Chief Executive Officer of the Office of the Environmental Protection Authority of any change of the name and address of the proponent for the serving of notices or other correspondence within 30 days of such change.

3 Time Limit of Authorisation

3-1 The authorisation to implement the proposal provided for in this statement shall lapse and be void five years after the date of this statement if the proposal to which this statement relates is not substantially commenced.

3-2 The proponent shall provide the Chief Executive Officer of the Office of the Environmental Protection Authority with written evidence which demonstrates that the proposal has substantially commenced on or before the expiration of five years from the date of this statement.

4 Compliance Reporting

4-1 The proponent shall prepare and maintain a compliance assessment plan to the satisfaction of the Chief Executive Officer of the Office of the Environmental Protection Authority.

4-2 The proponent shall submit to the Chief Executive Officer of the Office of the Environmental Protection Authority, the compliance assessment plan required by condition 4-1 at least 6 months prior to the first compliance report required by condition 4-6, or prior to ground disturbing activity, whichever is sooner.

The compliance assessment plan shall indicate:

1 the frequency of compliance reporting;

2 the approach and timing of compliance assessments;

3 the retention of compliance assessments;

4 the method of reporting of potential non-compliances and corrective actions taken;

5 the table of contents of compliance reports; and

6 public availability of compliance reports.

4-3 The proponent shall assess compliance with conditions in accordance with the compliance assessment plan required by condition 4-1.

4-4 The proponent shall retain reports of all compliance assessments described in the compliance assessment plan required by condition 4-1 and shall make those reports available when requested by the Chief Executive Officer of the Office of the Environmental Protection Authority.

4-5 The proponent shall advise the Chief Executive Officer of the Office of the Environmental Protection Authority of any potential non-compliance within seven days of that non-compliance being known.

4-6 The proponent shall submit to the Chief Executive Officer of the Office of the Environmental Protection Authority the first compliance assessment report fifteen months from the date of issue of this Statement addressing the twelve month period from the date of issue of this Statement and then annually from the date of submission of the first compliance assessment report.

The compliance assessment report shall:

1 be endorsed by the proponent's Chief Executive Officer or a person delegated to sign on the Chief Executive Officer's behalf;

2 include a statement as to whether the proponent has complied with the conditions;

3 identify all potential non-compliances and describe corrective and preventative actions taken;

4 be made publicly available in accordance with the approved compliance assessment plan; and

5 indicate any proposed changes to the compliance assessment plan required by condition 4-1.

5 Flora and Vegetation

5-1 The proponent shall ensure that there is no loss of plants of Declared Rare Flora species due to construction or operational activities unless otherwise approved.

5-2 The proponent shall undertake monitoring of the condition and abundance of vegetation and flora at reference and potential impact sites in accordance with the "Tropicana Gold Project Environmental Monitoring Strategy, Version: 1.0, Author: B Bastow, Issue Date: 18 February 2010" or subsequent revisions approved by the Chief Executive Officer of the Office of the Environmental Protection Authority. This monitoring is to be carried out to the requirements of the Chief Executive Officer of the Office of the Environmental Protection Authority on advice of the Department of Environment and Conservation.

5-3 Should the potential impact sites show a 25 per cent (or greater) decline in cover or productivity as compared to the reference sites, the proponent shall provide a report to

the Chief Executive Officer of the Office of the Environmental Protection Authority within 21 days of the decline being identified which:

1. describes the decline;
2. provides information which allows determination of the likely root cause of the decline; and
3. if likely to be caused by activities undertaken in implementing the proposal, states the actions and associated timelines proposed to remediate the decline.

5-4 The proponent shall, on approval of the Chief Executive Officer of the Office of the Environmental Protection Authority, implement the actions identified in 5-3 (3) and continue to implement such actions until the Chief Executive Officer of the Office of the Environmental Protection Authority determines that the remedial actions may cease.

5-5 The proponent shall make the Environmental Monitoring Strategy referred to in 5-2 publically available in a manner approved by the Chief Executive Officer of the Office of the Environmental Protection Authority.

6 Threatened Species

6-1 The proponent shall implement the "Tropicana Gold Project Threatened Species and Communities Management Strategy, Version 2.0, Author: B Bastow, Issue Date: July 2009", or subsequent revisions approved by the Chief Executive Officer of the Office of the Environmental Protection Authority. The objective of this strategy is to minimise adverse impacts to conservation significant species and communities.

6-2 The proponent shall review and revise the Tropicana Gold Project Threatened Species and Communities Management Strategy referred to in 6-1, in consultation with the Department of Environment and Conservation, every three years to ensure that the mitigation and management techniques remain valid and incorporate any relevant new research.

6-3 The proponent shall make the Tropicana Gold Project Threatened Species and Communities Management Strategy referred to in 6-1 publically available in a manner approved by the Chief Executive Officer of the Office of the Environmental Protection Authority.

7 Trapped Fauna

7-1 The proponent shall ensure that open trenches associated with construction of the water pipeline and the communications link are cleared of trapped fauna by fauna-rescue personnel at least twice daily. Details of all fauna recovered shall be recorded. The first daily clearing shall take place no later than three hours after sunrise and shall be repeated between the hours of 3:00 pm and 6:00 pm.

The open trenches shall also be cleared, and fauna details recorded, by fauna-rescue personnel no more than one hour prior to backfilling of trenches.

Note: "fauna-rescue personnel" means employees of the proponent whose responsibility it is to walk the open trench to recover and record fauna found within the trench.

7-2 The fauna-rescue personnel shall be trained in the following, through a program that meets the requirements of the Chief Executive Officer of the Office of the Environmental Protection Authority:

1. fauna identification, capture and handling (including venomous snakes);
2. identification of tracks, scats, burrows and nests of conservation-significant species;
3. fauna vouchering (of deceased animals);
4. assessing injured fauna for suitability for release, rehabilitation or euthanasia;
5. familiarity with the ecology of the species which may be encountered in order to be able to appropriately translocate fauna encountered; and
6. performing euthanasia.

7-3 Open trench lengths shall not exceed a length capable of being inspected and cleared by the fauna-clearing personnel within the required times as set out in condition 7-1.

7-4 Ramps providing egress points and/or fauna refuges providing suitable shelter from the sun and predators for trapped fauna are to be placed in the trench at intervals not exceeding 50 metres.

7-5 The proponent shall produce a report on fauna management within the water pipeline lateral easement and communication corridor at the completion of pipeline and communication link construction. The report shall include the following:

1. details of all fauna inspections;
2. the number of fauna cleared from trenches;
3. fauna mortalities; and
4. all actions taken.

The report shall be provided to the Chief Executive Officer of the Office of the Environmental Protection Authority no later than 21 days after the completion of pipeline installation, and shall be made publicly available in a manner approved by the Chief Executive Officer of the Office of the Environmental Protection Authority.

8 Groundwater and Surface Water Quality

8-1 The proponent shall ensure that run-off and/or seepage from the tailings storage facility and waste material landforms does not impact the quality of surface water or groundwater within or adjacent to the proposal area to exceed the trigger values for a slightly to moderately disturbed ecosystem provided for in Table 3.4.2 of Chapter 3 of the Australian and New Zealand Environment and Conservation Council and Agriculture and Resource Management Council of Australia and New Zealand 2000, *Australian Water Quality Guidelines for Fresh and Marine Waters* and its updates, taking into consideration natural background water quality.

8-2 The proponent shall monitor the quality of surface water and groundwater upstream and downstream of the tailings storage facility and waste material landforms to ensure that the requirements of condition 8-1 are met. This monitoring is to be carried out using methods consistent with Australian and New Zealand Environment and Conservation Council and Agriculture and Resource Management Council of Australia and New Zealand 2000, *Australian Guidelines for Water Quality Monitoring and Reporting* (and its updates) and to the satisfaction of the Chief Executive Officer of the Office of the Environmental Protection Authority.

8-3 The proponent shall commence the water quality monitoring required by 8-2 before ground disturbing activities in order to collect baseline data.

8-4 The proponent shall submit annually the results of monitoring required by condition 8-2 to the Chief Executive Officer of the Office of the Environmental Protection Authority.

8-5 In the event that monitoring required by condition 8-2 indicates that the requirements of condition 8-1 are not being met, the proponent shall:

1. report such findings to the Chief Executive Officer of the Office of the Environmental Protection Authority within 21 days of the decline in water quality being identified;

2. provide evidence which allows determination of the root cause of the decline in water quality; and

3 if determined to be a result of activities undertaken in implementing the proposal, state the actions and associated timelines proposed to be taken to remediate the water quality.

8-6 The proponent shall, on approval of the Chief Executive Officer of the Office of the Environmental Protection Authority, implement the actions identified in 8-5 (3) and continue to implement such actions until the Chief Executive Officer of the Office of the Environmental Protection Authority determines that the remedial actions may cease.

8-7 The proponent shall make the monitoring reports required by condition 8-2 publicly available in a manner approved by the Chief Executive Officer of the Office of the Environmental Protection Authority.

9 Rehabilitation

9-1 The proponent shall undertake progressive rehabilitation over the life of the proposal to achieve the following outcomes:

1. The waste material landforms and tailings storage facility shall be non-polluting and shall be constructed so that their stability, surface drainage, resistance to erosion and ability to support local native vegetation are similar to undisturbed natural analogue landforms as demonstrated by Ecosystem Function Analysis or

other methodology acceptable to the Chief Executive Officer of the Office of the Environmental Protection Authority.

2. Waste material landforms, tailings storage facility and other areas disturbed through implementation of the proposal (excluding mine pits), shall be progressively rehabilitated with vegetation composed of native plant species of local provenance (defined as seed or plant material collected within the Great Victoria Desert Bioregions 1 and 2).

3. The percentage cover and species diversity of living self sustaining native vegetation in all rehabilitation areas shall be comparable to that of undisturbed natural analogue sites as demonstrated by Ecosystem Function Analysis or other methodology acceptable to the Chief Executive Officer of the Office of the Environmental Protection Authority.

4. No new species of weeds (including both declared weeds and environmental weeds) shall establish in the area as a result of the implementation of the proposal.

5. The coverage of weeds (including both declared weeds and environmental weeds) within rehabilitated areas shall be no greater than the average of three reference sites on nearby land, with the reference sites to be chosen in consultation with the Department of Environment and Conservation.

Note: The methodology for Ecosystem Function Analysis is set out in Tongway DJ and Hindley 2004 *Landscape Function Analysis – Procedures for Monitoring and Assessing Landscapes*, Commonwealth Scientific and Industrial Research Organisation Sustainable Ecosystems, Canberra.

9-2 Rehabilitation activities shall continue until such time as the requirements of condition 9-1 are met, and are demonstrated by inspections and reports to be met, for a minimum of five years following mine completion to the satisfaction of the Chief Executive Officer of the Office of the Environmental Protection Authority, on advice of the Department of Mines and Petroleum.

10 Final Closure and Decommissioning Plan

10-1 At least five years prior to mine completion, the proponent shall prepare and submit a Final Closure and Decommissioning Plan to the requirements of the Chief Executive Officer of the Office of the Environmental Protection Authority, on advice of the Department of Mines and Petroleum.

10-2 The Final Closure and Decommissioning Plan shall be prepared consistent with:

1. ANZMEC/MCA 2000, *Strategic Framework for Mine Closure Planning*; and

2. Department of Industry Tourism and Resources 2006 *Mine Closure and Completion* (Leading Practice Sustainable Development Program for the Mining Industry), Commonwealth Government, Canberra;

10-3 The Final Closure and Decommissioning Plan shall provide detailed technical information on the following:

1. final closure of all areas disturbed through implementation of the proposal so that they are safe, stable and non-polluting;

2. decommissioning of all plant and equipment;

3. disposal of waste materials;

4. final rehabilitation of waste dumps; tailings storage facilities and other areas (outside the mine pit(s));

5. management and monitoring following mine completion; and

6. inventory of all contaminated sites and proposed management.

10-4 The proponent shall close, decommission and rehabilitate the proposal in accordance with the approved Final Closure and Decommissioning Plan.

10-5 The proponent shall make the Final Closure and Decommissioning Plan required by conditions 10-1 and 10-2 publicly available in a manner approved by the Chief Executive Officer of the Office of the Environmental Protection Authority.

Procedures

1. Where a condition states "on advice of the Department of Environment and Conservation" or "on advice from the Department of Mines and Petroleum", the Office of the Environmental Protection Authority will obtain that advice and provide that advice to the proponent.

2. The Environmental Protection Authority may seek advice from other agencies or organisations, as required, in order to provide its advice.

3. The proponent is required to apply for a Works Approval and operating Licence for this project under the provisions of Part V of the *Environmental Protection Act 1986.*

Hon Donna Faragher JP MLC
MINISTER FOR ENVIRONMENT; YOUTH

24 SEP 2010

Schedule 1

The Proposal (Assessment No. 1745)

General Description

The proposal is to develop and operate an open-cut gold mine with infrastructure and utilities located approximately 330 kilometres (km) east northeast of Kalgoorlie and 200 km east of Laverton. The proposal is described in the following document – *Tropicana Gold Project Public Environmental Review, September 2009.*

Summary Description

A summary of the key proposal characteristics is presented in Table 1.

Table 1: Summary of key proposal characteristics

Element	Description
General	
Project life	Approximately 15 years of mining; total project duration up to 25 years (including post closure monitoring)
Mining and Processing	
Mining rate	Up to 75 million tonnes per annum (ore and waste)
Stripping ratio	8:1
Number of pits	Up to 4
Open pit void/s	Not more than 400 hectares
Maximum length of pit/s	6 kilometres (if pits combine)
Maximum width of pit	1.5 kilometres
Overburden and waste	Not more than 800 million tonnes
Waste landform	Not more than 1,200 hectares. Maximum height 375 mRL. Slope with maximum angle of 15 degrees
Water supply	Up to 7 gigalitres per annum
Dewatering rate	1,000 – 5,000 kilolitres per day
Infrastructure	
Mine access road	Pinjin Option – 370 kilometres (~210 kilometres of road construction)
Communications	Fibre Optic or Microwave via either Pinjin or Tropicana Transline Corridor
Aerodrome	All weather strip 2.4 kilometres long
Main power supply	Onsite power station with an installed capacity of up to 40 megawatts
Water pipeline	Approximately 50 kilometres in length from the borefield (located north northwest of Operational Area) to the process plant.
Tailings Storage Facility	Up to 7 million tonnes per annum; two-cell paddock tailings storage facility with possible in-pit deposition. Maximum height of 372 mRL. Approximately 1330 metres wide by 1850 metres.
Disturbance Areas	
Disturbance area	Not more than 3,440 hectares comprising: • operational area – 2,570 hectares. • water supply area – 200 hectares. • infrastructure areas – 670 hectares.

Figures:

Figure 1: Regional location of mine site.
Figure 2: Proposal footprint and conceptual layout of key components.

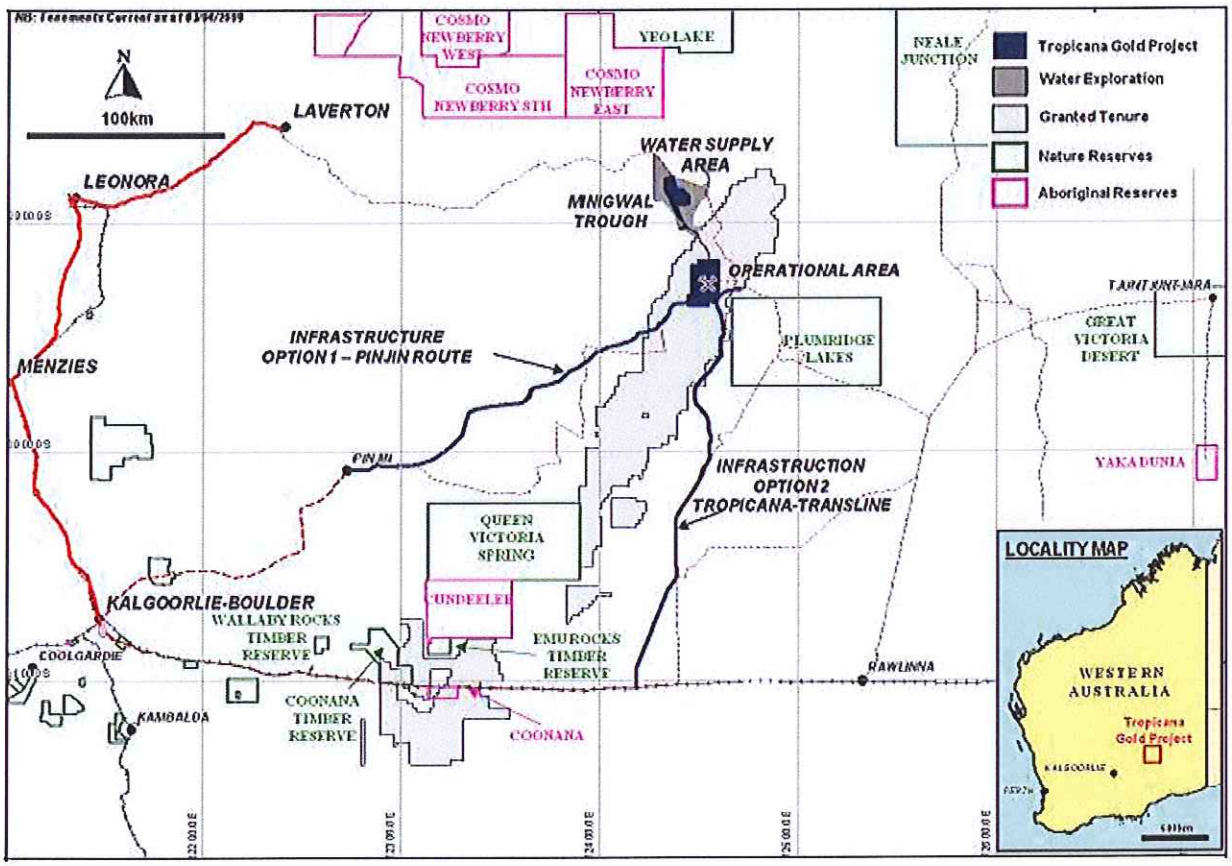

Figure 1: **Regional location of mine site**

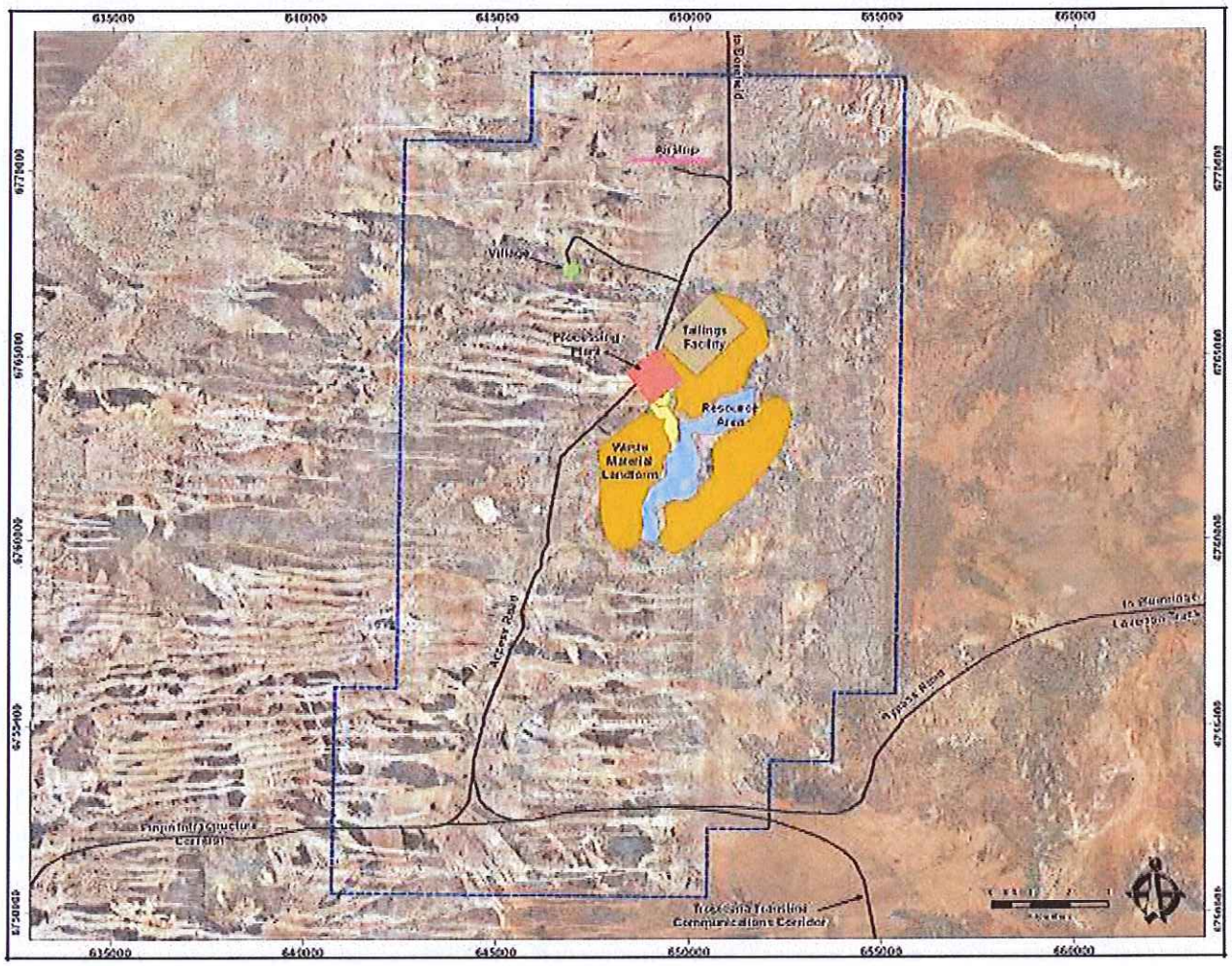

Figure 2: **Proposal footprint and conceptual layout of key components**

APPENDIX 2: FAUNA HANDLING TRAINING COURSE OUTLINE

AngloGold Ashanti
Tropicana Gold Project

Fauna Handling Training Course

AngloGold Ashanti Australia

ONE

Independence Group NL

Polytechnic West

POLYTECHNIC WEST

Fauna Handling Training Course
AngloGold Ashanti – Tropicana Gold Project

INTRODUCTION

Polytechnic West is pleased to provide this training course to AngloGold Ashanti – Tropicana Project for the provision of training services in the delivery of:

Fauna Handling

POLYTECHNIC WEST SKILLS AND EXPERIENCE

Polytechnic West values training and believes that the key to improving performance and productivity of individuals is a strong training system that provides the foundation of a skilled workforce.

As leaders in industry approved training, Polytechnic West has considerable and demonstrable skills and experience in the areas of training program design and structure. With over twenty (20) years experience in the delivery of vocational education and training services, Polytechnic West has built a reputation as a provider of quality training. This reputation has been largely due to the expertise of our training personnel.

All of Polytechnic West's high calibre Trainers and Assessors have impressive skills and qualifications and understand your organisation and its needs. Our trainer recruitment/selection process involves criteria that not only covers appropriate skills, but also demands a minimum requirement of five (5) years industry experience in the field of study. The skills that Polytechnic West trainers and assessors will bring to you through the above program will ensure that your organisation achieves its desired training outcomes and your employees learn new skills which will make them more valuable and productive members of your company.

Throughout this course your trainers and assessors will include experienced Polytechnic West lecturers together with fauna rehabilitation and handling experts.

POLYTECHNIC WEST

TRAINING PROGRAM OVERVIEW

This training will be delivered as face-to-face delivery at the Polytechnic West Bentley Campus and at external wildlife parks where required. The training schedule will outline the organisations to be visited and provide a daily schedule of where the training will be conducted. This will allow for the practical components of the course requirements to be acquired in the appropriate locations.

Lunch and refreshments will be provided when training at Polytechnic West. Transportation to external agencies is provided.

Additionally, each participant will receive a Training record Book (TRB) that will enable the participant/s to achieve the outcomes in the workplace and have their direct supervisor/manger sign off as a third party assessor.

This is a training skills set that has been specifically developed to ensure that all requirements from the Department of Environment and Conservation (DEC) have been met, in accordance with their regulations and stipulations for fauna awareness and handling in West Australia.

POLYTECHNIC WEST

UNITS OF COMPETENCY

Unit of Competency	Elements
RUV2107A	**PROVIDE BASIC FIRST AID FOR ANIMALS** **Assess the situation** Emergency situation is recognised. Physical hazards to self, bystanders, the public and the animal are identified. Action is taken to minimise the immediate risk to self, bystanders, the public and the animal. Physical condition and vital signs of the animal are assessed. **Apply basic first aid and basic care** Animal is reassured in a caring manner and made comfortable using available resources. Animal is handled safely and humanely to minimise pain and further injuries. Basic first aid care is provided in accordance with established animal first aid procedures. First aid assistance is sought from others as appropriate and required. Occupational health and safety (OHS) procedures and personal protective equipment (PPE) are used at all times when handling animals.
RUV2108A	**RESCUE ANIMALS AND APPLY BASIC ANIMAL CARE** **Rescue animals** Risk posed to oneself and others is assessed and appropriate assistance is sought if required. Animals are identified and appropriate equipment is selected for the rescue. Equipment is used in a safe and humane manner. Occupational health and safety (OHS) and emergency procedures relating to the rescue are followed correctly. **Apply basic animal care** Basic animal care is provided to minimise stress to non-injured animals. OHS procedures and personal protective equipment (PPE) is used at all times when handling animals. Injured animals are taken to appropriate facility and / or personnel for treatment. Advice and assistance are sought from supervisor or appropriate personnel in respect to future options for animals. Information on animals is collected and recorded in accordance with legislative and organisational requirements

	REHABILITATE AND RELEASE NATIVE WILDLIFE **Provide immediate care for rescued animals** Native animals are handled following occupational health and safety (OHS) procedures and using personal protective equipment (PPE). Animal species are identified and initial animal emergency care is initiated in accordance with policies and procedures. Animals are examined and seriously injured animals are referred to supervisors and / or taken to a veterinary clinic for immediate treatment. Information on each animal is collected and recorded in accordance with legislative and institutional policies and procedures. **Rehabilitate rescued animals** Suitable species-relevant rearing procedures are applied in accordance with industry guidelines. Common problems experienced by rescued animals are identified and treated as directed by a veterinarian. Species-specific recovery procedures are followed in accordance with relevant legislative and institutional policies and procedures. Quarantine and disease control procedures are followed in accordance with institutional policies and procedures. Deceased animals required for research purposes are processed in accordance with legislative and institutional policies and procedures. **Release native animals to natural environment** Prior to release, animals are identified and assessed for readiness to be released. Documentation is completed as required in accordance with legislative requirements and institutional policies and procedures. Release site is selected and monitored for appropriateness in consultation with experienced personnel. Animals are handled correctly and transported to the release site in accordance with OHS procedures. Release strategies are implemented to address the requirements of particular animals. Released animals are monitored, where possible, to ensure successful return to their natural environment.

RUV3410A	**CAPTURE, RESTRAIN AND ASSIST IN MOVING ANIMALS** **Plan the capture and restraint of animals** Species of the animal to be captured is confirmed. The capture and restraint of the animal are planned in accordance with institutional policies and procedures. The role of individuals involved in the process is allocated and confirmed. Occupational health and safety (OHS) and emergency procedures relating to the procedure are reviewed and put into place. **Capture and restrain animals** Capture and restraint equipment is used in a safe and humane manner, using safe lifting techniques where appropriate. Assistance is provided in administering medication to animals, under the supervision of a veterinarian. Animals are monitored carefully for stress and injury. If relevant, dead animals are disposed of in accordance with institutional policies and procedures. Capture and restraint equipment is cleaned, maintained and stored in accordance with institutional policies and procedures. Debriefing sessions are conducted with relevant personnel after an animal capture. **Identify animal transportation requirements** Animals are prepared for transportation. Transport containers appropriate to the species are designed and selected. Protocols and procedures for shipment or transfer, including animal welfare requirements, are followed under supervision.

RUV3302A	CONDUCT EUTHANASIA OF RESEARCH ANIMALS
	Prepare to conduct euthanasia of research animals Physical signs of distress, pain or abnormal behaviour in animals are identified and reported to the workplace supervisor according to institutional protocols. Method selected for the euthanasia is consistent with the research program approval or protocol and is in accordance with the workplace supervisor's instructions. Equipment and materials required to complete the euthanasia are prepared according to the institution's standard operating procedures and relevant statutory requirements. Location for the euthanasia is selected. Hazards associated with the euthanasia are identified in accordance with OHS procedures and guidelines. Licences and permits required to conduct the euthanasia are reviewed with the supervisor. **Carry out the euthanasia of animals** Personal protective and safety equipment are used in accordance with OHS policies and statutory requirements. Equipment is handled and transported safely at all times in accordance with statutory requirements and industry practices. Animals are physically restrained in a way that minimises pain, distress and risk of injury to the animals or personnel and complies with ethical, welfare and legal requirements. Euthanasia method is applied according to the requirements of the task and in a way that complies with ethical, welfare and legal requirements, including the requirements for any licences, permits or supervisor's instructions. Euthanasia procedure is monitored to ensure that the animal's death is rapid and without complications and undue suffering. **Complete the euthanasia of animals** Animal deaths are confirmed. Carcasses that are required for research or post-mortem examination are handled in accordance with the institution's standard operating procedures, experimental requirements and OHS policies. Animal carcasses are handled and moved in accordance with OHS guidelines and codes of practice. Biological waste and animal carcasses that are not required for research or other approved purposes are disposed of promptly in accordance with statutory requirements, the institution's standard operating procedures and OHS policies. Equipment and materials are decontaminated or cleaned and stored or disposed of in accordance with the institution's standard operating procedures. Records relating to euthanased animals are updated according to the institution's standard operating procedures.

RTD2126A	**RECOGNISE ANIMALS** **Prepare for animal recognition** Range of animals requiring recognition is identified according to supervisors/customers needs. Resources and equipment for use in recognition activity are located and identified. Available processes for animal recognition are identified, selected and prepared for use. **Recognise specified animals** Specified animals are recognised and named according to their identifiable characteristics. Brief descriptions of animal habits, characteristics and significant features are recorded. The advice of supervisors is sought when necessary and where appropriate in the identification activity. **Complete identification of animals** Information about identified animals is documented according to enterprise requirements and added to the reference collection. Field notes are updated as new animals are recognised. Rare, uncommon or notifiable pest animals are reported to supervisor according to enterprise guidelines. Handling, transporting and housing of animals comply with animal ethics guidelines, animal welfare regulations and statutory requirements.

Training Program Prerequisites

In addition it is generally expected that participants attending this training would have a general knowledge and/or interest in Fauna Handling. Participants are strongly recommended to be up to date with Tetanus immunisations.

Training Program Qualification

After completion of the 3 day training course with Polytechnic West, participants will receive a Certificate of Participation.

TRAINING PROGRAM DELIVERY SCHEDULE

The training is scheduled for 3 days of delivery. It is expected that two days will be conducted at the Polytechnic West Bentley Campus in the Animal Studies area and one day of practical to be delivered at a wildlife sanctuary. Please note that the combination of training at Polytechnic West and at an external site will vary depending on the availability.

Training Program Customisation

Training will be customised with a great emphasis on specific area fauna. The initial 3 day training program will be treated as an introduction to fauna identification and fauna handling, with participants continuing further on-the-job training which will lead to the completion of a Training Record Book (TRB). The TRB can be assessed at a later date by Polytechnic West and, if successfully completed, will result in a nationally recognised Statement of Attainment for the specific units of competency being issued.

Participants are free to wear casual clothing to theory based lectures, however participants will be required to wear all appropriate personal protective equipment when participating in practical handling sessions.

eg. Closed in shoes with ankle support for all practicals

Long sleeved shirt & long pants for all practicals

Hat and sunscreen

Long hair tied back

No jewellery (rings, necklaces and earrings)

Participants should be aware that practical sessions start from day one.

APPENDIX 3: LIST OF TRAINING COURSE ATTENDEES

POLYTECHNIC WEST

Student List

AngloGold Ashanti
28-30 September 2011

Date: 28-Sep-2011 **Time:** 15:32

Search Criteria: Roll Number = BAN754/11, Student ID = (multiple), Period = Y, OfferingYear = 11

Student ID	EFT Code	Course No	Name	Sex	D.O.B	Home Ph.	Mobile	Work Ph.	Email	TAFE Int ID	Result Code
1119234	11BANASHANTI	S441	BEILBY, ALEXANDER MAR	M	16/03/1985	N/A	0415399945		alexbeilby@gmail.com		
1119232	11BANASHANTI	S441	DONEGAN, RYAN SAMUEL	M	31/07/1977	N/A			r.donegan@anglogoldashanti.com.au		
1119240	11BANASHANTI	S441	FISHER, AMINE	F	14/04/1984	N/A	0417424227	94254736	afisher2@anglogoldashanti.com.au		
1119227	11BANASHANTI	S441	GRAPES, CRAIG	M	12/08/1986	92756001	0431828875	94254735	ggrapes4@bigpond.com.au		
1119236	11BANASHANTI	S441	LINDSAY, AARON	M	9/04/1988	N/A	0431944572				
9885225	11BANASHANTI	S441	MAXWELL, CRAIG JOHN	M	7/05/1971	N/A	0409307642				
1119225	11BANASHANTI	S441	MILLS, GARRY	M	14/02/1956	0351222338	0400575231				
1119237	11BANASHANTI	S441	NICHOLLS, GEORGE EDW	M	27/12/1963	90919427	0419949321	62105222	geaorge.nicholls@lycopodium.com.au		
1119230	11BANASHANTI	S441	SPICER, GREG	M	15/11/1968	92499010	0400249901		gspicer@anglogoldashanti.com.au		

Total Students: 9

POLYTECHNIC WEST

Student List

Date: 14-Dec-2011 **Time:** 08:32

Search Criteria: Roll Number = BAN754/11, Student ID = (multiple), Period = Y, OfferingYear = 11

Student ID	EFT Code	Course No	Name	Sex	D.O.B	Home Ph.	Mobile	Work Ph.	Email	TAFE Int ID	Result Code
1200502	11BANASHANTI	S441	CLINCH, GAVIN	M	3/08/1993	N/A	0406711606				
1200500	11BANASHANTI	S441	DONALDSON, DALLAS	M	15/06/1991	N/A					
1200496	11BANASHANTI	S441	FORREST, RHYS	M	6/05/1991	N/A	0487420416				
1000303	11BANASHANTI	S441	MONACO, SOPHIE	F	26/12/1989	93101691	0410143105		monaco@bigpond.net.au		
1200501	11BANASHANTI	S441	MUNRO, CRUDEN	M	15/12/1991	N/A	0402731929				
1200499	11BANASHANTI	S441	REID, MALCOLM	M	5/04/1992	N/A	0410133879				
1200498	11BANASHANTI	S441	SLATER, ARRON	M	22/08/1995	N/A	0447419616				

Total Students: 7

ANGLOGOLD ASHANTI FAUNA HANDLING COURSE

18 - 20 JUNE 2012

Year	Student ID	Title	Surname	Given Names	Mobile Phone	Enrolment Date
2012	1211416	MR	COOPER	ALAN JOHN	'0488931336'	18-Jun-2012
2012	'0293176'	MR	DOWN	NICHOLAUS JOHN DAVID	'0457585166'	18-Jun-2012
2012	1211461	MR	HENDERSON	CHRISTOPHER ARTHUR STUART	'0407132110'	18-Jun-2012
2012	1211417	MISS	LIEW	JUN JET	'0415257324'	18-Jun-2012
2012	1211453	MR	ROBSON	CRAIG MATTHEW	'0432167276'	18-Jun-2012
2012	1211430	MR	SKINNER	BRADLEY	'0414469244'	18-Jun-2012
2012	1211434	MR	STANDLEY	MARTIN	'0459113099'	18-Jun-2012

POLYTECHNIC WEST

Student List

Date: 24-Oct-2012 **Time:** 11:56

Search Criteria: Roll Number = BAN144/12, Student ID = (multiple), Period = Y, OfferingYear = 12

Student ID	EFT Code	Course No	Name	Sex	D.O.B	Home Ph.	Mobile	Work Ph.	Email	TAFE Int ID	Result Code
9989714	12BANASHANTI	0512	APPLETON, ANNE SIOBHA	F	30/09/1971	92583151	0438951305	90803617	anne.appleton@bigpond.com		
1217967	12BANASHANTI	0512	DICKSON, JENNIFER	F	15/10/1985	N/A	0452511049		jenndickson@hotmail.com		
1011868	12BANASHANTI	0512	KINNEAR, ROHAN	M	25/03/1982	N/A	0400871900		rohankinnear@gmail.com		
1217964	12BANASHANTI	0512	WALSH, TAHLIA	F	29/11/1984	N/A	0466425665		twalsh@anglogoldashanti.com.au		

Total Students: 4

APPENDIX 4: ADDITIONAL PHOTOS OF RECORDED ANIMALS

Tiliqua multifasciata

Notomys sp - deceased

Strophurus sp.

Ants capitalising on disturbed soil in trench walls.

Thorny Devil

Legless lizard (Lialis burtonis)

Legless Lizard (Lialis sp)

Jans banded Snake (Simoselaps bertholdi)

Dragon

Strophurus elderi sp

Lerista sp.

Notomys sp.

Bush cockroach

Diplodactylus granariensis

Snake track in trench

Appendix 4: Ministerial Monitoring Bore results Summary

Table A4.1: Ministerial Bores Monitoring Data MPL results (October 2013)*

Parameters	Units	Ministerial monitoring Bores			
		ENVMB001	ENVMB002	ENVMB003	ENVMB004
pH	pH units	7.4	7.3	7.6	7.2
Electrical conductivity	µS/cm	32500	45400	33800	23500
Total Dissolved Solids (TDS)	mg/L	25000	36100	25700	17400
Hardness (as CaCO3)	mg/L	3900	8400	3800	5900
Total Alkalinity (as CaCO3)	mg/L	270	320	210	150
Chlorine	mg/L	9400	17000	8300	9200
Sulphate	mg/L	2300	4700	1200	2100
Potassium	mg/L	310	760	350	370
Calcium	mg/L	240	630	280	430
Carbonate (as CaCO3)	mg/L	<5	<5	<5	<5
Sodium	mg/L	3800	9400	4400	3800
Manganese	mg/L	0.55	0.4	0.46	0.1
Magnesium	mg/L	680	1900	760	1200
Arsenic	mg/L	<0.05	<0.05	<0.05	<0.05
Cadmium	mg/L	<0.01	<0.01	<0.01	<0.01
Copper	mg/L	<0.01	<0.01	<0.01	<0.01
Iron	mg/L	0.25	<0.02	<0.02	<0.02
Lead	mg/L	<0.03	<0.03	<0.03	<0.03
Nickel	mg/L	<0.02	<0.02	<0.02	<0.02
Aluminium	mg/L	<0.1	<0.1	<0.1	<0.1
Cobalt	mg/L	<0.01	<0.01	<0.01	<0.01
Zinc	mg/L	<0.02	<0.02	0.07	0.02

**Note: Although the monitoring data provided in above table lies outside the 2013 reporting period, it was considered appropriate to include as it represents the first baseline data recorded from the ministerial monitoring bores.*

Table A4.2: Ministerial Monitoring Bores Data Internal results

Parameters	Units	Month	Ministerial monitoring Bores			
			ENVMB001	ENVMB002	ENVMB003	ENVMB004
pH	pH units	February	7.2	7.3	7.8	7.4
		May	7.6	7.9	7.7	7.4
		August	7.9	7.4	8.1	8
		October	7.4	7.3	7.6	7.2
Electrical conductivity	µS/cm	February	33500	42600	32800	23000
		May	34000	41000	30000	24500
		August	34200	42800	33000	45000
		October	32500	45400	33800	23500
Total Dissolved Solids (TDS)	mg/L	February	2900	35000	34000	40000
		May	35900	36000	35000	30000
		August	33000	30000	29000	47000
		October	25000	36100	25700	17400

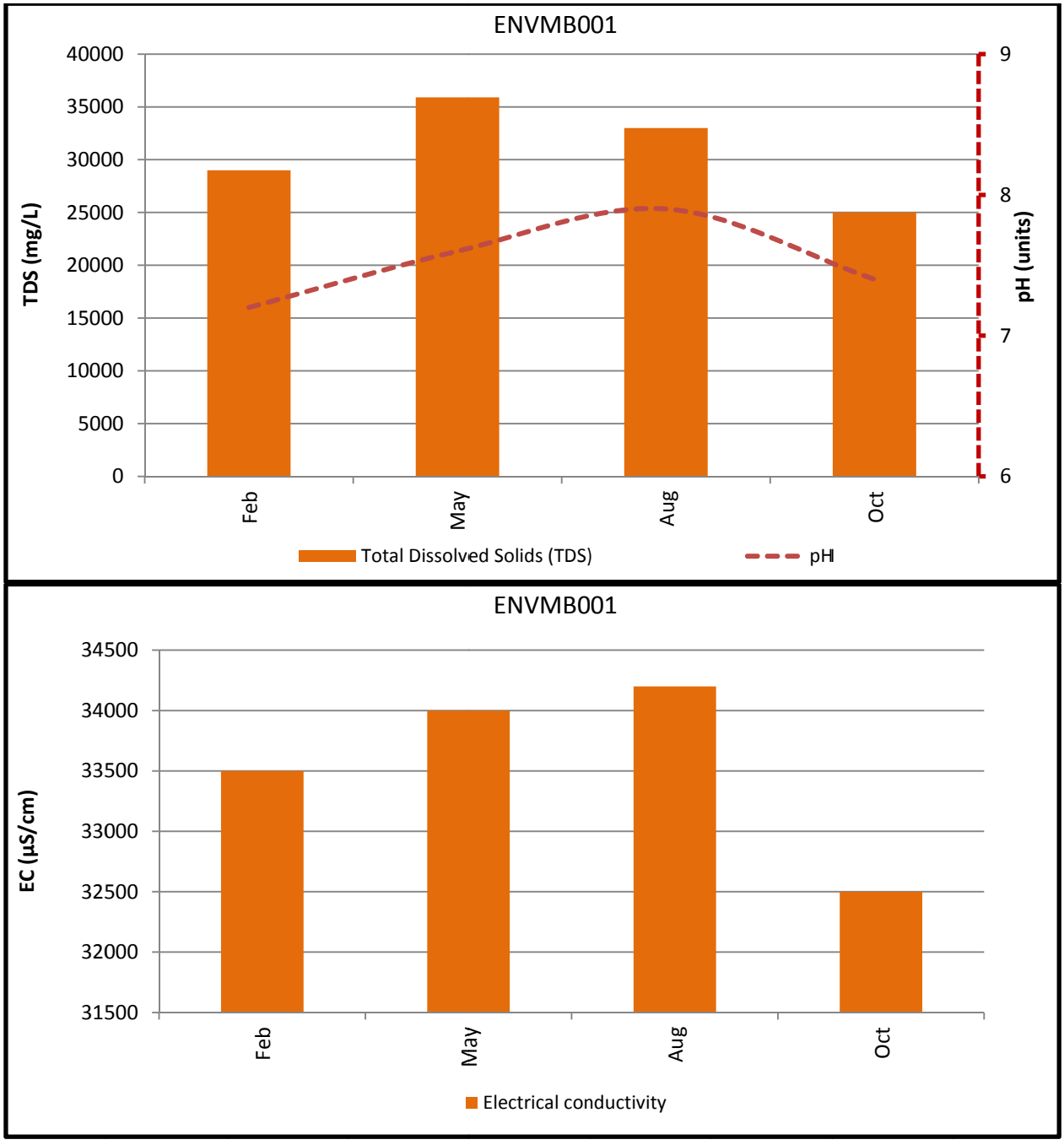

Figure A4.1: Monitoring results ENVMB001

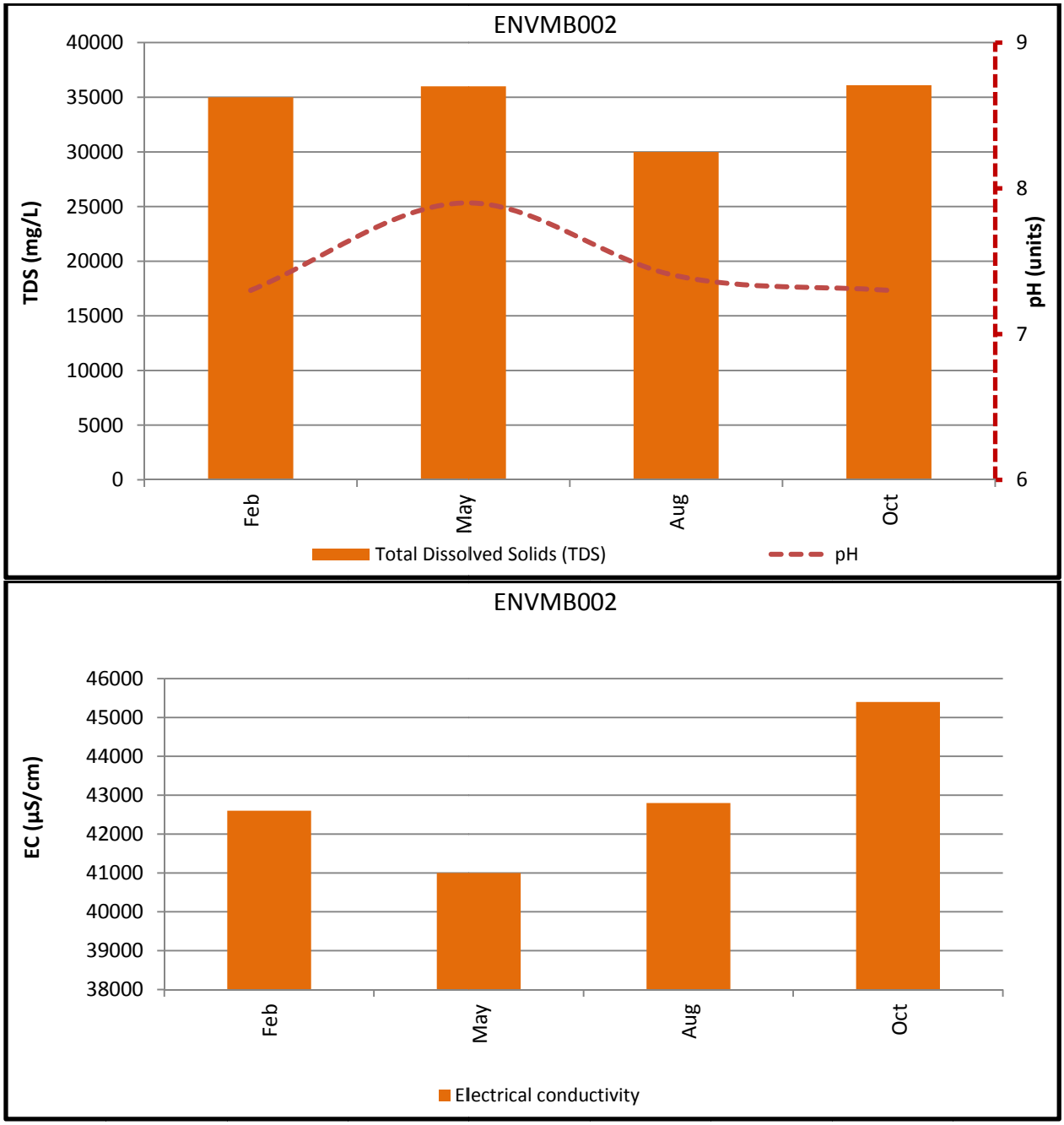

Figure A4.2: Monitoring results ENVMB002

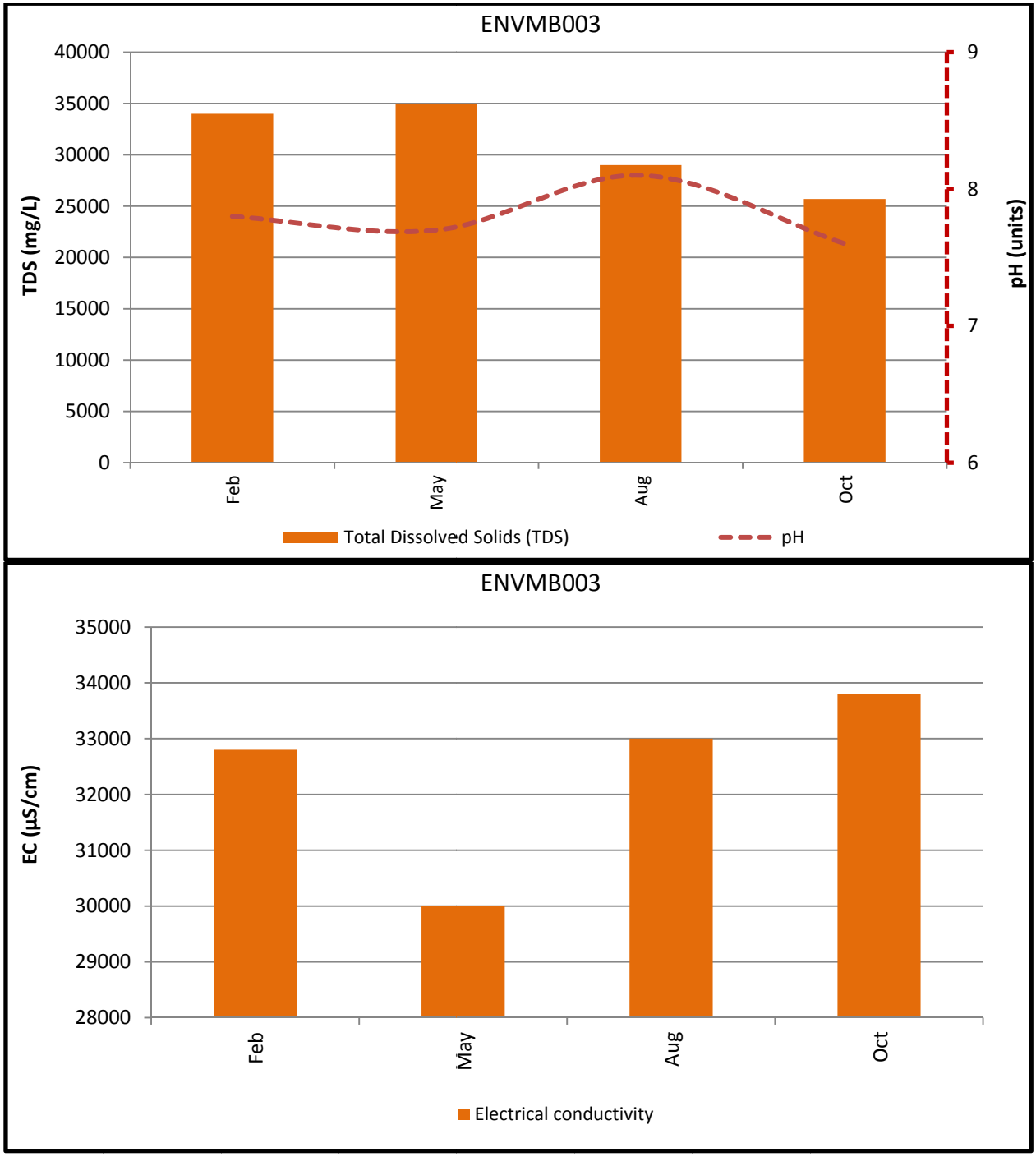

Figure A4.3: Monitoring results ENVMB003

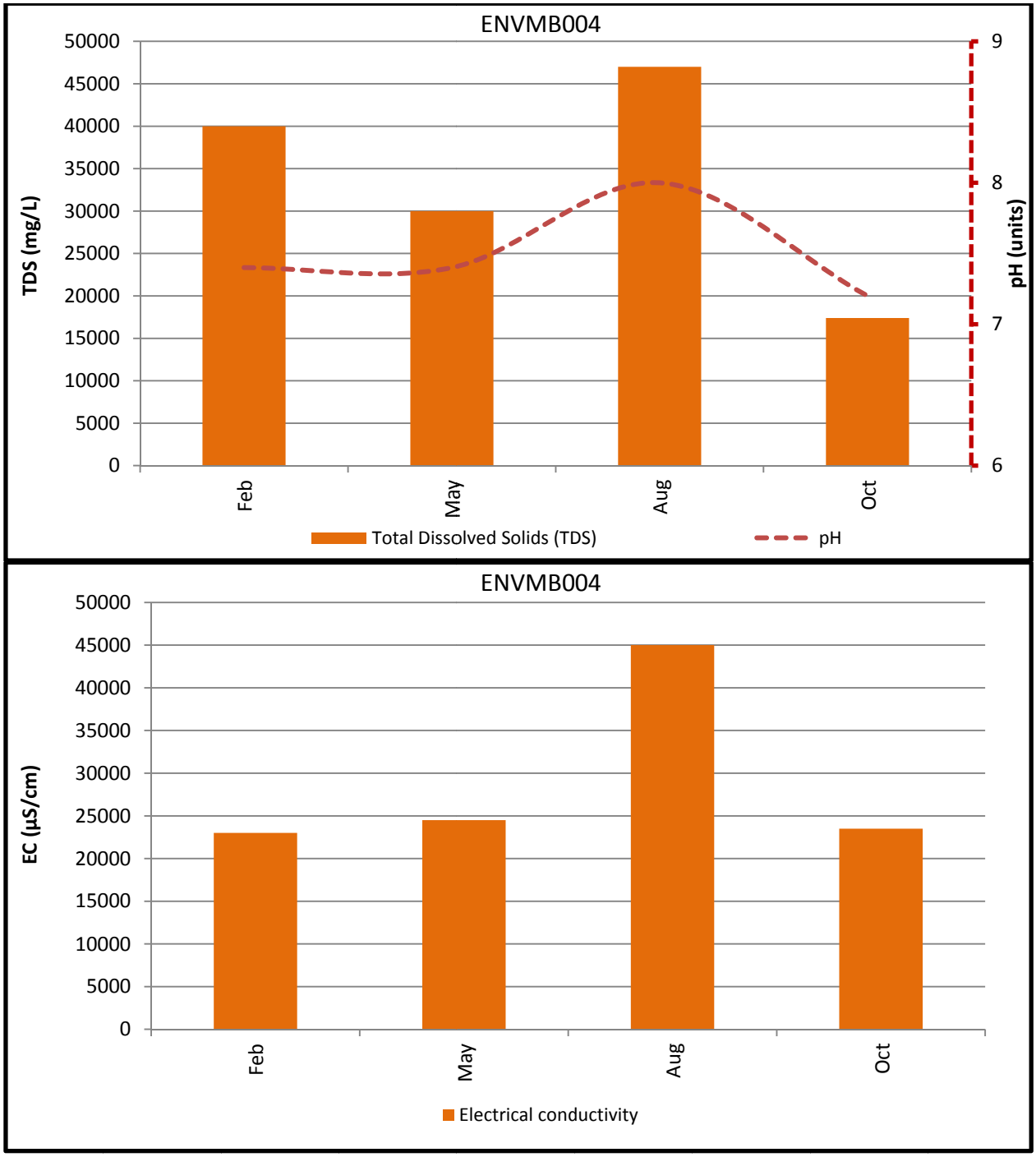

Figure A4.4: Monitoring results ENVMB004