



KHWEZELA COLLIERY: UMLALAZI SECTION

EXTERNAL ENVIRONMENTAL PERFORMANCE ASSESSMENT REPORT 2023 – 2024

In Compliance with Regulation 34 and Appendix 7 of the Environmental Impact Assessment Regulations (GN 982 of 2014), as amended, Section 24N(7)(d) of the National Environmental Management Act (Act 107 of 1998) and Regulation 55 of the Mineral Resources and Petroleum Development Regulations (GNR 527 of 23 April 2004), as amended.

AUDIT DATES: 13 - 17 MAY 2024

**DARDLEA REFERENCE:
17/2/3N-36 (11 March 2016)**

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TABLE OF CONTENTS

NO.	DESCRIPTION	PAGE NO
1.	INTRODUCTION.....	1
1.1.	KHWEZELA COLLIERY	1
2.	PERFORMANCE ASSESSMENT TERMS OF REFERENCE	5
2.1.	MINERAL AND PETROLEUM RESOURCES DEVELOPMENT REGULATIONS (GN R527 OF 23 APRIL 2023).....	5
2.2.	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS (GN R982 OF 04 DECEMBER 2014)	5
2.3.	KHWEZELA UMLALAZI ENVIRONMENTAL AUTHORISATION	6
2.4.	KHWEZELA UMLALAZI ENVIRONMENTAL MANAGEMENT PROGRAMME	6
2.5.	ASSUMPTIONS AND LIMITATIONS	6
3.	PERFORMANCE ASSESSMENT DETAILS	8
3.1.	AUDIT TEAM	8
3.2.	PERFORMANCE ASSESSMENT METHODOLOGY	8
3.3.	PERFORMANCE ASSESSMENT SCOPE	10
4.	PERFORMANCE ASSESSMENT RESULTS	11
5.	SUMMARY OF THE PERFORMANCE ASSESSMENT	47
5.1.	NON-COMPLIANCES	47
5.2.	RECOMMENDATIONS	47
6.	CONTINUED IMPROVEMENT	48
7.	CONCLUSION	49
8.	REFERENCES	50

LIST OF FIGURES

Figure 1. Topographic Map of Khwezela Umlalazi (Navigation West)	3
Figure 2. Locality Map of Khwezela Umlalazi (outlined in green).....	4

LIST OF TABLES

Table 1: Details of the Audit Team	8
Table 2: Assessment Criteria	9
Table 3. Environmental Authorisation for Khwezela Umlalazi (Ref. 17/2/3N-363 dated 11 March 2016).....	12
Table 4. EMPR Khwezela Umlalazi (Ref. 17/2/3N-363 dated 11 March 2016).....	17

LIST OF APPENDICS

APPENDIX A: Auditors Declaration	
APPENDIX B: Auditors Curriculum Vitae	

1. INTRODUCTION

Thungela Resources (Pty) Ltd (hereafter, Thungela) is a South African based thermal coal producer and exports coal mainly to Indian, Asian, SEA, Middle East and North African markets. Thungela owns interests in and produces its thermal coal from eight mining operations. Opencast Mining Operations are undertaken at the Isibonelo, Khwezela and Mafube mining operations and Underground Mining Operations are undertaken at the Zibulo, Greenside, Goedehoop and Elders (currently in construction) mining operations. Thungela Services Operation provides various services to support the mining operations.

Thungela appointed NTC Group (Pty) Ltd as an independent Environmental Practitioner to undertake the annual external environmental performance assessment in accordance with Regulation 34 and Appendix 7 of the Environmental Impact Assessment (EIA) Regulations (GN R982 of 04 December 2014), as amended, Section 24N (7)(d) of the National Environmental Management Act (NEMA) (Act 107 of 1998) and Regulation 55 of the Mineral Resources and Petroleum Development (MRPD) Regulations (GNR 527 of 23 April 2004), as amended, to assess compliance with the Environmental Authorisations (EA) and Environmental Management Programmes (EMPr) issued to its operations. This report forms part of the performance assessments undertaken at the Khwezela Colliery.

1.1. KHWEZELA COLLIERY

Khwezela Colliery is a member of Thungela and is part of the South African Coal Estate Complex. Khwezela Colliery located approximately 120 km east of Johannesburg and 22 km west of eMalahleni Local Municipality, within Nkangala District Municipality of Mpumalanga Province. Khwezela Colliery is an opencast coal mine that was formed in December 2016 by the amalgamation of the Landau Colliery and Kleinkopje Colliery. Khwezela Colliery currently comprises the Khwezela Bokgoni Colliery (formerly Kleinkopje) towards the south and Khwezela Navigation Colliery (formerly Landau) toward the north. Khwezela Navigation Colliery is further subdivided into Navigation Life Extension, Schoongezicht Section, Umlalazi Section (formerly Khwezela Navigation West Section) and Kromdraai Section (refer to Figure 1 and Figure 2).

Khwezela Navigation Life Extension is currently the only active mining section. Mining operations have ceased at Khwezela Navigation's Schoongezicht Section, Umlalazi Section and Kromdraai Section, as well as at the Khwezela Bokgoni Colliery. Operations where mining has ceased are collectively referred to as Khwezela Closing Collieries and are currently in a period of care and maintenance.

1.1.1. Khwezela Colliery Umlalazi Section

Khwezela Colliery: Umlalazi Section (hereafter, Khwezela Umlalazi) is located on Portion 2 of the Farm Elandsfontein 309, lies near the town of KwaMthunzi Vilakazi (formerly Clewer) in Mpumalanga Province. Khwezela Umlalazi is further subdivided into the North Block (formerly Khwezela Navigation Colliery West Section: North Block) and the South Block (formerly Khwezela Navigation Colliery West Section: South Block) (Refer to Figure 1 and Figure 2).

Khwezela Colliery submitted an application for an Environmental Authorisation to the Mpumalanga Department of Agriculture, Rural Development, Land and Environmental Affairs (DARDLEA) in July 2015, to extend its Life of Mine (LoM) by expanding mining operations at the opencast pit at Khwezela Umlalazi South Block. The DARDLEA issued the Environmental Authorisation:

1. Environmental Authorisation for Landau Colliery: Navigation West – Umlalazi South Block (DARDLEA Ref: 17/2/3N-363) dated 11 March 2016.

Khwezela Umlalazi commenced with construction in 2017 and reached its LoM in 2022, after which it was placed under care and maintenance. Khwezela Umlalazi is currently in process of being sold and the sale will include the transfer of valid Water Use Licences, Environmental Authorisations and Environmental Management Programmes to the new Licence Holder.

This report presents the Performance Assessment Report (PAR) for Khwezela Umlalazi to verify compliance with the conditions of the EAs and EMPs that remained valid for the assessment period (June 2023 – June 2024) and to determine the effectiveness of mitigation measures implemented to manage environmental impacts associated with their authorised activities.



Figure 2. Locality Map of the Khwezela Navigation Colliery (outline in red), showing the location of Khwezela Umlalazi (outlined in green)

2. PERFORMANCE ASSESSMENT TERMS OF REFERENCE

2.1. MINERAL AND PETROLEUM RESOURCES DEVELOPMENT REGULATIONS (GN R527 OF 23 APRIL 2003)

The performance assessment is undertaken in accordance with Regulation 55 of the MPRD Regulations (GN R527 of 23 April 2004) published in terms of the MPRD Act (Act 28 of 2002). Regulation 55 (1) of the MPRD Regulations requires that a monitoring and performance assessments be undertaken to assess the continued appropriateness and adequacy of the Environmental Management Programme. A Performance Assessment Report must be compiled and submitted to the Department of Mineral Resources and Energy. Regulations 55 (2) states that the frequency for undertaking the performance assessment must be in accordance with the Environmental Management Programme, or every two years, or as agreed to in writing by the Minister. Regulation 55(4) requires that the performance assessment be conducted by an independent competent person(s).

The amendment of the MPRD Act (Act 28 of 2002) in 2014, included the repeal of Sections 39 – 42 and the insertion of Section 38 A and B to align the requirements for Environmental Management Programmes contained in the National Environmental Management Act (NEMA) (Act 107 of 1998). Section 38B of the MPRDA (Act 28 of 2002), as amended, states that *“an environmental management plan or environmental management programme approved in terms of this Act before and at the time of the coming into effect of the National Environmental Management Act, 1998 shall be deemed to have been approved and an environmental authorisation been issued in terms of the National Environmental Management Act, 1998”*.

2.2. ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS (GN R982 OF 04 DECEMBER 2014)

The EIA Regulations (GN R982 of 08 December 2014), as amended, were published in terms of the National Environmental Management Act (NEMA) (Act 107 of 1998) to regulate the process for preparing, evaluating, and submitting applications for EAs. Section 34 of the EIA Regulations (GN R982 of 2014) provides the requirements for auditing the compliance with EAs, EMPs and Closure Plans. Section 34 (1) and (2) requires the holder of an EA to appoint an independent person to conduct an audit of all valid EAs and EMPs at the intervals specified in the EA and submit an audit report to the Competent Authority.

The audit report must include the information in Appendix 7 and as per Section 34 (3) must contain verifiable audit findings which are presented in a structured approach to indicate the level of compliance with the EAs and EMPs and the effectiveness of the mitigation measures in the EMP to manage environmental impacts associated with the authorised activities.

In terms of Section 34 (4), if there is insufficient compliance with the conditions of the EA or EMPr, or if mitigation measures in the EMPr for managing environmental impacts are deemed to be inadequate, the audit report must provide recommendations to amend the EMPr to rectify the shortcomings. Section 34 (5) states that such recommendations must be subjected to a Public Participation Process and Section 34 (6) that I&APS must be notified on a public website within 7 days of submitting the report to the Competent Authority.

2.3. KHWEZELA UMLALAZI ENVIRONMENTAL AUTHORISATION

The Environmental Authorisation issued to Khwezela Umlalazi that remained valid for the audit period and was audited in accordance with Section 34 of the EIA Regulations (GN R982 of 2014) and Section 55 of the MPRD Regulations (GNR 527 of 2004):

1. Environmental Authorisation (DARDLEA Ref. 17/2/3N-363) issued by the Mpumalanga Department of Agriculture, Rural Development, Land and Environmental Affairs to Landau Colliery: Navigation West - Umlalazi South Block Extension on Portion 2 of the Farm Elandsfontein 309, dated 11 March 2016.

2.4. KHWEZELA UMLALAZI ENVIRONMENTAL MANAGEMENT PROGRAMME

The Environmental Management Programmes issued to Khwezela Umlalazi as approved by DARDLEA in the Environmental Authorisation issued to Khwezela Umlalazi that remained valid for the audit period and was audited in accordance with Section 34 of the EIA Regulations (GN R982 of 2014) and Section 55 of the MPRD Regulations (GNR 527 of 2004):

1. Environmental Management Programme approved in terms of the Environmental Authorisation (DARDLEA Ref. 17/2/3N-363) issued to Landau Colliery: Navigation West - Umlalazi South Block Extension on Portion 2 of the Farm Elandsfontein 309 approved on 11 March 2016.

2.5. ASSUMPTIONS AND LIMITATIONS

The scope of the performance assessment is to determine the level of Khwezela Umlalazi's compliance with the conditions of the EA and EMPrs listed in Sections 2.3 and 2.4. above and the effectiveness of the mitigation measures provided in the EMPr to manage the environmental impacts associated with the authorised activities.

The following assumptions and/ or limitations are applicable to the assessment and findings:

- This performance assessment is a snap-shot representation of the current activities at Khwezela Umlalazi.
- The assessment period is from June 2023 to June 2024. Conditions which refer to activities occurring prior to this assessment period are assumed to have been previously assessed and will thus not be assessed. Such conditions are determined to be “Not Applicable”.
- Due to the nature and extent of the operation, not all areas may be visited during the site inspection.
- Khwezela Umlalazi representatives may be called upon to provide information relating to specific activities within their respective areas.
- Khwezela Umlalazi is no longer operational and is currently under care and maintenance. Where current activities relate to construction, operation, decommissioning or closure, these may be deemed as not applicable.
- Procedures developed by Khwezela Umlalazi specifically, are deemed to be appropriately implemented by site personnel as part of the Integrated Management System.
- Outdated/ repealed legislation or referenced guideline documents will be substituted for with current/ relevant legislation and referenced guideline documents.

3. PERFORMANCE ASSESSMENT DETAILS

3.1. AUDIT TEAM

NTC Group (Pty) Ltd was established in 2005 and is 100% female, black owned with a Level 1 Broad Based Black Economic Empowerment Rating. We undertake our services with professional integrity and have built good reputations with stakeholders in the environmental management field, including regulatory authorities and government departments. We undertake our services in accordance the requirements of South African legislation, as well as acceptable international best practices.

The details of the specific environmental team that participated in the audit of the Khwezela Umlalazi are provided in Table 2. The declaration of the auditor's independence is attached in Appendix A and the Curriculum Vitae for the auditors are attached in Appendix B.

Table 1: Details of the Audit Team

ROLE	RESPONSIBLE PERSON	CONTACT DETAILS
LEAD AUDITOR	Tanja Bekker is a Senior Environmental Scientist at NTC Group (Pty) Ltd. Tanja holds an MSc Environmental Management and has over 22 years of experience in Environmental Management, inclusive of performance assessment audits and compliance monitoring.	Tel: +27 11 462 2022
		Fax: +27 86 665 1864
		Email: tanja@ntcgroup.co.za
LEAD AUDITOR	Mary-Anne Carter is a Senior Environmental Scientist at NTC Group (Pty) Ltd. Mary-Anne holds an MSc in Environmental Science and has over 15 years of experience in environmental management, including environmental auditing, EMS implementation and compliance monitoring.	Tel: +27 11 462 2022
		Fax: +27 86 665 1864
		Email: mary-ann@ntcgroup.co.za

3.2. PERFORMANCE ASSESSMENT METHODOLOGY

3.2.1. Information Collation and Review

NTC Group (Pty) Ltd reviewed the conditions of the EA and EMPs listed in Sections 2.3 and 2.4. issued to Khwezela Umlalazi and compiled a Request for Information (RFI) document which provided a list of documents and records required from Khwezela Colliery to verify compliance with the conditions of the EA and EMP.

The RFI was submitted to Khwezela Colliery and the requested information was availed to the auditors. The list of documents reviewed during the performance assessment are provided in Section 9. References.

Checklists were created verbatim of the conditions of Khwezela Umlalazi's EAs and EMPs and used to assess compliance. The numbering in performance assessment checklists corresponds with the conditions of the EAs and EMPs as far as possible, to allow for ease of reference.

3.2.2. Site Verification

The site inspection was not conducted at Khwezela Umlalazi as the site could not be accessed at the time of the audit due to the process of sale.

3.2.3. Assessment Methodology

NTC Group (Pty) Ltd assessed each condition of Khwezela Umlalazi's EAs and the EMPs in terms of the criteria provided in Table 2. The audit approach was guided by the requirements of the ISO 19011:2018 Guidelines for Auditing Management Systems.

Table 2: Assessment Criteria

CRITERIA	ACC	DESCRIPTION
COMPLIANT	C	Full Compliance is when the current construction, operational, or decommissioning activities comply with the authorisation conditions. Mitigation measures or commitment thereof have been achieved and evidence is provided in the form of a document or condition implementation onsite. No mitigation measures are required where operations comply.
NON-COMPLIANT	N/C	Non-Compliance is when construction, operational, or decommissioning activities are in contravention of the conditions and/or have the potential to impact the environment in a detrimental manner. Non-compliance may also be associated with activities breaching legislation/ Mitigation measures or commitment thereof have not been achieved and evidence is not provided in the form of a document or condition implementation onsite. Non-Compliance findings have a high priority and mitigation measures are mandatory
NOT APPLICABLE	N/A	Not Applicable is assigned to authorisation/ permit conditions where activities no longer occur, that do not apply to current activities, that may be incorrect and require amendment, fall outside the audit period and/or are duplicates of existing conditions.

CRITERIA	ACC	DESCRIPTION
TAKE NOTE	T/N	In certain instances, conditions are presented in a manner which cannot be assessed as a Compliant or Non-Compliant Condition. This is a specific requirement which the Competent Authority may stipulate, which is applicable to the site and should be considered in the near future, or which allows the Competent Authority certain allowances.

3.3. PERFORMANCE ASSESSMENT SCOPE

The scope of the information and audit boundaries that were considered when conducting the performance assessment included:

- The requirements of Section 34 and Appendix 7 of the EIA Regulations (GN R982 of 2014), as amended.
- Regulation 55 of the MPRD Regulations (GNR 527 of 2004), as amended.
- Khwezela Umlalazi's EAs (refer to Section 2.3.) and EMPs (refer to Section 2.4.) that remained valid for the audit period.
- The scope of the assessment period between June 2023 – June 2024.
- The property boundaries of the Khwezela Umlalazi's as shown in Figure 2.

4. PERFORMANCE ASSESSMENT RESULTS

This section provides results of performance assessment to verify compliance with the conditions of Khwezela Umlalazi's EAs and EMPs. The performance assessment results are presented in the checklists described in Section 3.2.1 which tabulates the conditions of the EAs and EMPs. Each condition was assessed and assigned a finding as per the assessment criteria shown in Table 2.

The checklists used to assess compliance with the EAs and EMPs are provided in Tables 3 and Table 4:

TABLE 3.	Environmental Authorisation for Landau Colliery: Navigation West – Umlalazi South Block (DARDLEA Ref: 17/2/3N-363) dated 11 March 2016
TABLE 4.	Environmental Management Programme approved in terms of the Environmental Authorisation (DARDLEA Ref. 17/2/3N-363) issued to Landau Colliery: Navigation West - Umlalazi South Block Extension on Portion 2 of the Farm Elandsfontein 309 approved on 11 March 2016

TABLE 3. ENVIRONMENTAL AUTHORISATION ISSUED TO LANDAU COLLIERY: NAVIGATION WEST - UMLALAZI SOUTH BLOCK EXTENSION ON PORTION 2 OF THE FARM ELANDSFONTEIN 309 (REFERENCE NUMBER: 17/2/3N-363 DATED 11 MARCH 2016)

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
3.1	Authorisation of the activity is subject to the conditions contained in this authorisation, which form part of the environmental authorisation and are binding on the holder of the authorisation.	T/N	Khwezela Bokgoni Colliery notes and accepts this condition.
3.2	The holder of the authorisation must ensure compliance with these conditions by any person acting on his or her behalf, including but not limited to, an agent, sub-contractor, employee or person rendering a service to the holder of the authorisation.	C	Khwezela Colliery conducts environmental awareness by means of induction and toolbox talks to ensure that contractors and anyone acting on their behalf understand that they must comply with the conditions of this Authorisation.
3.3	The activity which is authorised may only be carried out at the property indicated above.	C	The activity which has now ceased, was undertaken within locations authorised by this Environmental Authorisation as verified through site documentation.
3.4	Any changes to, or deviations from, the project description set out in this authorisation must be approved, in writing, by the Department before such changes or deviations may be effected. In assessing whether to grant such approval or not, the Department may request such information as it deems necessary to evaluate the significance and impacts of such changes or deviations and it may be necessary for the holder of the authorisation to apply for further authorisation in terms of the regulations.	T/N	The activity has now ceased as confirmed during the audit, and is currently in process of being sold. The sale will include the transfer of applicable Environmental Authorisations and Licences to the new Licence Holders.
3.5	In the event that the impacts exceed the significance as predicted in the Environmental Impact Assessment Report, authorisation may be suspended after proper procedures have been followed.	T/N	Khwezela Bokgoni Colliery notes and accepts this condition.
3.6	In the event of any dispute concerning the significance of a particular impact, the opinion of the Department in respect of its significance will prevail.	T/N	Khwezela Bokgoni Colliery notes and accepts this condition.
3.7	The Department may change or amend any of the conditions of this authorisation if, in the opinion of the Department, it is environmentally justified.	T/N	Khwezela Bokgoni Colliery notes and accepts this condition.
3.8	This activity must commence within a period of three (3) years from the date of issue. If commencement of the activity does not occur within that period, the authorisation lapses and a new application for environmental authorisation must be made in order for the activity to be undertaken.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). The site is no longer operational and no construction, operation or decommissioning activities took place during the audit period.
3.9	The holder of this authorisation is responsible for compliance with the provisions for Duty of Care and Remediation of Environmental Damage contained in Section 28 of the National Environmental Management Act, 1998 (Act 107 of 1998).	T/N	Khwezela Bokgoni Colliery notes and accepts this condition.
3.10	This authorization does not negate the holder of the authorization, responsibility to comply with any other statutory requirements that may be applicable to the undertaking of the activity.	T/N	Khwezela Bokgoni Colliery notes and accepts this condition.
APPEAL OF THE AUTHORISATION			
3.11	The holder of the authorisation must notify every registered interested and affected party, in writing and within twelve (12) days of the date of this decision, of the outcome of the application:	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). The site is no longer operational and no construction, operation or decommissioning activities took place during the audit period.
3.12	Specify the date on which the authorisation was issued; Inform the interested and affected party of the appeal procedure provided for in Chapter 7 of the Regulations; Advise the interested and affected party to the manner in which the decision can be accessed; and	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). The site is no longer operational and no construction, operation or decommissioning activities took place during the audit period.

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
	Be published in the newspaper contemplated in Regulation 54(2) (c) and which newspaper was used for the placing of advertisements as part of the public participation process.		
3.13	The Environmental Management Programme (EMPr) dated 09th December 2015 and submitted as part of the Environmental Impact Assessment Report is hereby approved and must be implemented and adhered to throughout the lifecycle of the activity.	C	The EMPr was audited as part of the current external environmental audit. The audit results are provided in Table 2 of this report.
3.14	The applicant must appoint an Environmental Control Officer (ECO) that will have the responsibility of monitoring and reporting on compliance with the conditions of this environmental authorisation as well as monitoring and reporting on the implementation of the approved EMPr.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). The site is no longer operational and no construction, operation or decommissioning activities took place during the audit period.
3.14.1	The ECO must be appointed before the commencement of construction and the Department must be notified of such an appointment for communication purposes. The ECO must oversee and monitor the success of all rehabilitation activities.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). The site is no longer operational and no construction, operation or decommissioning activities took place during the audit period.
3.14.2	During the construction phase, the ECO must submit monthly compliance reports to the Department in writing and copy the applicant with such reports. Where applicable, the ECO may negotiate the required frequency for the submission of reports with the Department, which must be agreed to in writing by the Department. The reports must include a description of all activities on site, problems identified, transgressions noted and remedial action implemented. All reports must reflect the Department's reference number of the project on the cover page.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). The site is no longer operational and no construction, operation or decommissioning activities took place during the audit period.
3.14.3	A Site diary.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). The site is no longer operational and no construction, operation or decommissioning activities took place during the audit period.
3.14.4	Copies of all reports submitted to the Department.		
3.14.5	A complaints' register of all environmental complaints regarding the proposed project and the remedies applied to such complaints.		
3.14.6	The ECO must remain employed until all rehabilitation measures as well as site clean-up are completed and the site is handed over to the applicant by the contractor for operation.		
3.15	The holder of the authorisation must submit an environmental audit report to the Department upon completion of the construction and rehabilitation activities. The environmental audit report must be compiled by an independent environmental auditor and must indicate the date of the audit, the name of the auditor and the outcome of the audit in terms of compliance with the conditions of this authorisation as well as the requirements of the EMPr.	C	This external audit for the 2022/ 2023 compiled by NTC Group (Pty) Ltd was available during the audit and proof of submission of the report was made available.
3.16	The Department retains the right to monitor and/ or inspect the proposed development during both construction and operational phases.	T/N	Khwezela Bokgoni Colliery notes and accepts this condition.
COMMISSIONING AND OPERATION OF THE ACTIVITY			
3.17	Fourteen (14) days written notice must be given to the Department that the activity will commence. Commencement for the purposes of this condition includes site preparation. The notice must include a date on which it is anticipated that the activity will commence, and must include the name and contact details of the appointed ECO.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). The site is no longer operational and no construction, operation or decommissioning activities took place during the audit period.
3.18	The environmental authorization as well as any license or permits must be in place before construction commences and any recommendation contained in these permits, licenses and/or authorization must be incorporated into the project design.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). The site is no longer operational and no construction, operation or decommissioning activities took place during the audit period.
3.19	Areas to be disturbed by the proposed project must be limited to the planned footprint areas as indicated on the mining plan.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). The site is no longer operational and no construction, operation or decommissioning activities took place during the audit period.
3.20	Movements of all mine personnel and vehicles must be limited to operation areas and clearly demarcated access roads.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). The site is no longer operational and no construction, operation or decommissioning activities took place during the audit period.

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
3.21	A First Aid Team must be trained and equipped with adequate equipment should a health and safety incident occur.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). The site is no longer operational and no construction, operation or decommissioning activities took place during the audit period.
3.22	All employees must undergo the necessary safety training and wear the necessary protective clothing at all times.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). The site is no longer operational and no construction, operation or decommissioning activities took place during the audit period.
3.23	The contractor must ensure that there is firefighting equipment on site at all times and that the equipment is readily available, accessible and functioning.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). The site is no longer operational and no construction, operation or decommissioning activities took place during the audit period.
3.24	No waste must be disposed of or buried on site, or in any other location that is not a licensed waste disposal site.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). The site is no longer operational and no construction, operation or decommissioning activities took place during the audit period.
3.25	Run-off water must be channelled to the dirty water system.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). The site is no longer operational and no construction, operation or decommissioning activities took place during the audit period.
3.25.1	Storm water must be prevented from coming into contact with material that could pollute the water.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). The site is no longer operational and no construction, operation or decommissioning activities took place during the audit period.
3.25.2	Stringent measures must be applied to suppress dust emanating from the operation areas.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). The site is no longer operational and no construction, operation or decommissioning activities took place during the audit period.
<i>3.25. Stormwater management must adhere to the following:</i>			
3.25.1	All mechanisms for dissipating water energy must be implemented at the inception of the construction phase.	N/A	Thungela is currently in process of concluding the sale of its Umlalazi West site and the auditors were not able to access the site at the time of the audit to verify onsite conditions. However, it was confirmed that no construction, operation or decommissioning activities took place during the audit period.
3.25.2	The rate of storm water runoff must be reduced by using mechanisms such as the construction of earth berms, grassed swales and lined channels and the construction of energy breakers at storm water outlet structures.	N/A	Thungela is currently in process of concluding the sale of its Umlalazi West site and the auditors were not able to access the site at the time of the audit to verify onsite conditions. However, it was confirmed that no construction, operation or decommissioning activities took place during the audit period.
3.25.3	Sediment trapping facilities must be employed during the construction phase.	N/A	Thungela is currently in process of concluding the sale of its Umlalazi West site and the auditors were not able to access the site at the time of the audit to verify onsite conditions. However, it was confirmed that no construction, operation or decommissioning activities took place during the audit period.
3.26.	Storm water management must be designed to promote infiltration and slow the release of runoff into wetlands and watercourses.	N/A	Thungela is currently in process of concluding the sale of its Umlalazi West site and the auditors were not able to access the site at the time of the audit to verify onsite conditions. However, it was confirmed that no construction, operation or decommissioning activities took place during the audit period.
3.27	The contractor is responsible for ensuring that there is access to clean drinking water for employees on site.	N/A	Thungela is currently in process of concluding the sale of its Umlalazi West site and the auditors were not able to access the site at the time of the audit to verify onsite conditions. However, it was confirmed that no construction, operation or decommissioning activities took place during the audit period.
3.28	Berms must be placed along sensitive viewing areas to screen off unpleasant views on the open pit mining activities and these berms must be rehabilitated with indigenous grasses.	N/A	Thungela is currently in process of concluding the sale of its Umlalazi West site and the auditors were not able to access the site at the time of the audit to verify onsite conditions. However, it was confirmed that no construction, operation or decommissioning activities took place during the audit period.

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
3.29	Mining related machinery and vehicles must be serviced on a regular basis to ensure noise suppression mechanisms are effective.	N/A	Thungela is currently in process of concluding the sale of its Umlalazi West site and the auditors were not able to access the site at the time of the audit to verify onsite conditions. However, it was confirmed that no construction, operation or decommissioning activities took place during the audit period.
3.30	Trucks transporting coal must be covered with tarpaulin to prevent coal spillages on the roads.	N/A	Thungela is currently in process of concluding the sale of its Umlalazi West site and the auditors were not able to access the site at the time of the audit to verify onsite conditions. However, it was confirmed that no construction, operation or decommissioning activities took place during the audit period.
3.31	Stockpiles and storage yards must be in designated areas only.	N/A	Thungela is currently in process of concluding the sale of its Umlalazi West site and the auditors were not able to access the site at the time of the audit to verify onsite conditions. However, it was confirmed that no construction, operation or decommissioning activities took place during the audit period.
3.32	Soils that become compacted through the operations must be loosened to an appropriate depth to allow seed germination.	N/A	Thungela is currently in process of concluding the sale of its Umlalazi West site and the auditors were not able to access the site at the time of the audit to verify onsite conditions. However, it was confirmed that no construction, operation or decommissioning activities took place during the audit period.
3.33	The holder of the authorisation must supervise the construction of haul roads in accordance with post mining topographical plan to ensure that topographical rehabilitation can be achieved with the minimum of expenditure.	N/A	Thungela is currently in process of concluding the sale of its Umlalazi West site and the auditors were not able to access the site at the time of the audit to verify onsite conditions. However, it was confirmed that no construction, operation or decommissioning activities took place during the audit period.
3.34	Dust must be suppressed on operation areas during dry periods by the regular application of water.	N/A	Thungela is currently in process of concluding the sale of its Umlalazi West site and the auditors were not able to access the site at the time of the audit to verify onsite conditions. However, it was confirmed that no construction, operation or decommissioning activities took place during the audit period.
3.35	The contractor must ensure that there is always a supply of absorbent material readily available to absorb/breakdown spills.	N/A	Thungela is currently in process of concluding the sale of its Umlalazi West site and the auditors were not able to access the site at the time of the audit to verify onsite conditions. However, it was confirmed that no construction, operation or decommissioning activities took place during the audit period.
3.36	Rehabilitation must be done concurrently or progressively with the activity and on cessation of the activity.	N/A	Thungela is currently in process of concluding the sale of its Umlalazi West site and the auditors were not able to access the site at the time of the audit to verify onsite conditions. However, it was confirmed that no construction, operation or decommissioning activities took place during the audit period.
GENERAL			
3.37	A copy of this authorisation must be kept at the property where the activity will be undertaken. The authorisation must be produced to any authorised official of the Department who requests to see it and must be made available for inspection by any employee or agent of the holder of the authorisation who works or undertakes work at the property.	C	A hard and electronic copy of this Environmental Authorisation is available at Khwezela Colliery Navigation and Bokgoni site offices.
3.38	Non-Compliance with a condition of this authorisation may result in criminal prosecution or other actions provided for in the National Environmental Management Act, 1998 and the regulations.	T/N	KNC has taken note of condition.
3.39	National government, provincial government, local authorities or committees appointed in terms of the conditions of this authorisation or any other public authority shall not be held responsible for any damages or losses suffered by the applicant or his successor in title in any instance where construction or operation subsequent to construction be temporarily or permanently stopped for reasons of N/Compliance by the applicant with the conditions of	T/N	The activity has now ceased as confirmed during the audit, and is currently in process of being sold. The sale will include the transfer of applicable Environmental Authorisations and Licences to the new Licence Holders.

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
	authorisation as set out in this document or any other subsequent document emanating from these conditions of authorisation.		

TABLE 4. ENVIRONMENTAL MANAGEMENT PROGRAMME FOR LANDAU COLLIERY: NAVIGATION WEST SOUTH BLOCK EXTENSION ON PORTION 2 OF THE FARM ELANDSFONTEIN 309 (REFERENCE NUMBER: 17/2/3N-363 DATED 11 MARCH 2016)

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
PLANNING AND CONSTRUCTION PHASE			
8.1.1 TOPOGRAPHY AND GEOLOGY			
8.1.1.1	The disturbance area for the opencast pit will be kept at a minimum and in the designated area as indicated on the design for the proposed project attached hereto as Plan 3 in Appendix A.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.2. SOIL, LAND USE AND LAND CAPABILITY			
8.1.2.1	Undertake a detail survey for the identification of topsoil and the depth thereof. The person responsible for the identification should be competent and have the relevant experience, and should also consult the pre-mining land capability assessment.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.2.2	To ensure that the area to be disturbed by construction activities is to be kept to a minimum, only large enough to carry out the necessary activities as indicated on the design for the proposed project attached hereto as Plan 3 in Appendix A.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.2.3	Affected runoff from the plant areas and the opencast pit will be collected and contained in the affected water management system, with further diversion of the clean water. Conceptual water management strategies are contained within the storm water management plan and civil engineering designs of the approved by a registered professional civil engineer (Appendix A).	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.2.4	The pollution control dam must be designed according to the design plans (Appendix A). The dam should be lined with a plastic lining of 2mm in thickness and the pump station to be installed should regularly maintained and water should be pumped from the pollution control dam to the Navigation Dam for process purposes to prevent overflow and to be used during emergency conditions.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.2.5	Implement a planned maintenance programme covering the affected water management circuit. This maintenance programme to assess aspects of siltation, capacity and containment integrity.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.2.6	Areas of open ground that are to be utilised (i.e. equipment and vehicle storage) should be hard standing. Furthermore, a clean and dirty water separation system must be constructed to ensure that no contamination of clean water systems occurs. Should a spillage or leakage of a hydrocarbon, chemical or hazardous substance occur, the spill/leakage must be cleaned up as per procedures for Oil, Fuel and Chemical Spill Clean-up and Environmental Incidents, N/Conformance and Complaints.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.2.7	Ensure that areas containing chemical and hazardous substances are contained (e.g. in a bund) to ensure no contamination of surrounding water resources or soil is contaminated. The bunded area must be able to contain 110% of the total volume of materials stored at any given time.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.2.8	Small quantities (50 litres or less) of chemical and hazardous substances (oil, lubricant, etc.) shall be stored in appropriate containers within a secure storage area. The base of the storage area should be impervious and designed to ensure that the contained substances do not infiltrate into the soil.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
8.1.2.9	Regular inspections of the integrity of all bund areas will be undertaken.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.2.10	MSDS for on-site chemicals, hydrocarbons and hazardous substances must be readily available. A MSDS should include information pertaining to environmental impacts and measures to minimise and mitigate against any potential environmental impact which may result from a spill.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.2.11	Used fuels, oil, hydraulic fluids, paints, solvents, and grease should be stored in drums or other suitable containers and stored on a hard standing and impermeable surface. These should be labelled, sealed and removed from the site to an appropriate disposal site or recycling facility. Under no circumstances will these substances be disposed of on-site or into the surrounding environment.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.2.12	No mixing or storing of concrete is permitted on areas where topsoil will be stockpiled. A designated area should be demarcated to prepare concrete in order to minimise soil contamination. The area should contain any potential runoff. Soils that may be contaminated during the construction and operational phases are to be removed to prevent the contamination of the soils, surrounding surface water or underlying groundwater. Contaminated soil must be removed from site as hazardous waste.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.2.13	All construction materials used may be temporarily stored on-site, but bags and containers should be sealed during storage.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.2.14	All leakages, spillages and incidents must be cleaned-up and reported as per Oil, Fuel and Chemical Spill Clean-up and Environmental Incidents, N/Conformance and Complaints.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.2.15	No vehicles or equipment may be repaired or washed on-sites other than the designated wash bay area and maintenance workshop at the Workshop Complex.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.2.16	Temporary drip trays must be placed underneath vehicles or equipment that are leaking hydrocarbons until such a time that they are repaired.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.2.17	Implement the surface water (monthly) and groundwater (quarterly).	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.2.18	Undertake annual GN 704 compliance audits, to verify the effectiveness of clean/affected water separation. Any shortcomings, with further consideration to the surface water monitoring results, should be addressed as a matter of urgency.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.2.19	Regular site inspections to be undertaken to assess if spillages or soil pollution incidents have occurred.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.2.20	The project site should be kept in an orderly state at all times. Littering is prohibited.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.2.21	Suitably covered receptacles must be available at all times and conveniently placed for the disposal of waste. These receptacles will be removed to the central salvage yard before being removed from site and disposed of by a permitted contractor at a	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
	licensed site. While being stored on-site, the receptacles should be placed within designated areas on an impermeable surface and must be correctly labelled and/or adequately colour coded. Hazardous and general waste will suitably separate at source, with separate waste bins provided in accordance to the waste management procedure Waste Management. Under no circumstances is waste to be burnt or buried on-site.		
8.1.2.22	Records of hazardous waste being taken off-site must be kept as evidence.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.2.23	All leakages, spillages and incidents must be cleaned-up and reported as per Oil, Fuel and Chemical Spill Clean-up and Environmental Incidents, N/Conformance and Complaints procedure	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.2.24	All general and hazardous waste material will be disposed of at registered waste sites (appropriate to the type of waste as disposed of). Certificates of safe and legal disposal shall be kept on file at the mine.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.2.25	Documentation (waste manifest) will be maintained detailing the quantity, nature and fate of any regulated waste.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.2.26	Management and disposal of waste will be in accordance with relevant legislative requirements, including the use of licensed contractors.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.2.27	A Topsoil Management Standard Procedure shall be developed that describes the requirements during the removal of the topsoil portion of the overburden, topsoil placement and stockpiling, general topsoil monitoring and topsoil thickness control, with consideration to the land use capability to be achieved.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.2.28	Soil preparation and seeding will be undertaken in accordance with the identified land use and according to the existing Landau Vegetation Establishment and Maintenance Procedure.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.2.29	A rehabilitation plan will be developed at the planning phase, or with adoption of the existing rehabilitation procedures and plans as applicable to Landau Colliery. The rehabilitation plan and procedures must aim to meet end land use capability with consideration to pre-mining land capability of the Navigation West South Block.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.3 VEGETATION			
8.1.3.1	With mitigation measures it may be possible to reduce the impacts on the flora of the project area. This can be done by re-vegetating the opencast pit area by placing topsoil, ripping and seeding the rehabilitated areas in order to encourage the growth of grasses. These grasses would then provide habitat for the displaced animals thus mitigating against the initial habitat loss and will also prevent soil losses by wind and/or storm water erosion.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.3.2	Minimise the footprint as far as possible to mitigate impacts associated with the clearance of existing vegetation.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.3.3	Keep clean and dirty water systems separate and ensure that dirty water is not discharged into the environment to avoid impact occurring to flora and fauna species.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
8.1.3.4	Keep infrastructure out of wetland vegetation (impacts assessed in the Wetland Specialist Report, compiled by Wetland Consulting, 2014) areas to minimise impact to flora and fauna as these areas are important habitat types.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.3.5	A grass mix should be selected for rehabilitation of disturbed open areas. The selected grass mix should consist of a mix of quick covering grassed pioneer species mat-forming grasses (e.g. Gynodondactylon, Chloris gayana) and tufted grasses (e.g. Eragrostiscurvula) to ensure prompt and adequate coverage of the exposed soil whilst also achieving long-term stability. Alternatively, the current seed mix may be used as per Landau Colliery's Original Environmental Management Programme Report.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.3.6	Control of alien plant species is essential to restore the natural biodiversity of the landscape. Alien trees utilise excessive amounts of water and often out compete local plants due to their lack of parasites. Removal of alien plants can lead to a net gain in biodiversity as the natural grassland is rehabilitated.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.3.7	Implement an alien invasive control procedure for the area.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.4 ANIMAL LIFE			
8.1.4.1	With mitigation measures it may be possible to reduce the impacts on the fauna of the project area. This can be done by re-vegetating the opencast pit area by placing topsoil, ripping and seeding the rehabilitated areas in order to encourage the growth of grasses. These grasses would then provide habitat for the displaced animals thus mitigating against the initial habitat loss and will also prevent soil losses by wind and/or stormwater erosion.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.4.2	Removal of alien plants can lead to a net gain in biodiversity as the natural grassland is rehabilitated.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.4.3	Minimise the footprint as far as possible to mitigate impacts associated with the clearance of existing vegetation.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.1.4.4	Implement an alien invasive control procedure for that area.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.4.5	Keep clean and dirty water systems separate and ensure that dirty water is not discharged into the environment to avoid impact occurring to flora and fauna species.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.4.6	Keep infrastructure out of wetland vegetation (impacts assessed in the Wetland Specialist Report, compiled by Wetland Consulting Services, 2014) areas to minimise impact to flora and fauna as these areas are important habitat types.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.5. SURFACE WATER			
8.1.5.1	Construct an upstream diversion berm at the box-cuts and ensure effective diversion of clean runoff from the operation towards the clean downstream environment.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.5.2	Construct clean water conveyance channels to effectively channel upstream runoff towards the downstream clean water environment.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
8.1.5.3	Mining will take place progressively in sequences of box cuts with concurrent rehabilitation. Therefore, retention areas within the box cuts will be kept to a minimum.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.5.4	Ensure effective level control and maintain a 0.8 metre freeboard at the Navigation West pollution control dam above full supply level to comply with Schedule 6(e).	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.5.5	Siltation of the PCD should be prevented by implementing a maintenance schedule to remove silt to ensure adequate capacity for storage of dirty water. The current silt traps at the PCD should also be inspected on a regular basis to ensure optimal functionality.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.5.6	Surface water monitoring should be conducted downstream to identify alterations to surface water quality.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.5.7	Implement effective storm water control, as per hydrological assessment, around stockpiles identified within the dirty area. Divert clean runoff and retain affected runoff from overburden if necessary.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.5.8	Conduct regular inspections to identify occurrence of erosion on access roads and stockpiles. Rehabilitation should be conducted were necessary.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.5.9	Prevent erosion of loose particles by vegetating cleared land / stockpiles as soon as possible.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.5.10	Ensure that the gradient of soil stockpiles is 1:3 or less (shallower) to allow for the establishment of vegetation on all stockpiles, and prevention of erosion.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.5.11	Berms and trenches must be monitored regularly to ensure they are not blocked.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.5.12	Although mining activities will impact on surface water flow patterns, the majority of the flow patterns within the project area will remain undisturbed due to the fact that mining will take place in sequence over a time period.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.5.13	Implement effective diversion of storm water runoff to ensure surface flow towards the natural resource although surface water flow patterns will be disturbed by the box-cuts and stockpiles.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.5.14	Regular site inspections to be undertaken to assess if spillages or water pollution incidents have occurred. Such incidents shall be reported (use of the incident reporting procedure), and immediately corrected.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.5.15	Should a spillage or leakage of a hydrocarbon, chemical or hazardous substance occur, the spill/leakage must be cleaned up as per Oil, Fuel and Chemical Spill Clean-up and Environmental Incidents, N/Conformance and Complaints procedure.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.5.16	Ensure that areas containing chemical and hazardous substances are contained (e.g. in a bund) to ensure no contamination of surrounding water resources or soil is contaminated. The bunded area must be able to contain 110% of the total volume of materials stored at any given time. Also follow the procedure on Handling and Storage of hazardous materials	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
8.1.5.17	Implement the surface water (monthly), groundwater (quarterly)	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.5.18	And bio-monitoring programme (biannually) as within the receiving surface water environment.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.5.19	Undertake annual GN 704 compliance audits, to verify the effectiveness of clean/affected water separation. Any shortcomings, with further consideration to the surface water monitoring results, should be addressed as a matter of urgency.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.5.20	Regular site inspections to be undertaken to assess if spillages or soil pollution incidents have occurred. Such incidents shall be reported (use of the incident reporting procedure), and immediately corrected.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.5.21	The pump station to be installed at the pollution control dam should regularly maintained and water should be pumped from the pollution control dam to the Navigation Dam for process purposes to prevent overflow and to be used during emergency conditions.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.5.22	The mines existing emergency response plan should be updated to include activities associated with the new project.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.5.23	Adhere to the storm water management plan and civil engineering designs of the approved by a registered professional civil engineer.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.6 GROUNDWATER			
8.1.6.1	Prevent or contain contamination from blasting activities.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.6.2	Handle and store blasting material according to manufacturing requirements.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.6.3	Train staff and implement correct procedures for the handling of blasting material.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.6.4	Only qualified staff should handle these materials.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.6.5	Minimize seepage, prevent contact between clean and dirty areas, and recycle contaminated water.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.6.6	Contain contaminated water for re-use and evaporation.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.6.7	Minimize the extent of disturbance of the aquifer.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
8.1.6.8	To prevent degeneration of groundwater quality.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.6.9	To manage the anticipated impacts associated with the inflow of groundwater to the opencast.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.6.10	Haul roads and other compacted surfaces should be kept free of carbonaceous material by cleaning spillages, thereby reducing infiltration of contaminated water.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.6.11	Dirty water should be contained in fit-for-purpose and lined designed facilities, which will limit infiltration of contaminated water to groundwater.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.6.12	Water retention in the in-pit sump areas should be as minimal as possible to limit the quality related impacts.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.6.13	Clean surface water should not come into contact with dirty water or coal bearing material.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.6.14	Hazardous material should be stored in the correct designated and bunded areas that are specially designed and constructed for that purpose.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.6.15	Staff should be trained to implement correct procedures for the handling of hazardous material.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.6.16	Storage areas should be regularly inspected.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.6.17	Oil contaminated water should be diverted from the bunded area during rain events to an interception or oil water separation facility.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.7. AIR QUALITY			
8.1.7.1	Phasing of earthmoving activities to reduce source size.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.7.2	Dust suppression in dirty areas in accordance to the dust suppression procedure.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.7.3	Early vegetation and stabilization of topsoil stockpile and reduction of the frequency of disturbance.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.7.4	Speed control will be enforced on all roads.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.7.5	Complaints register must be making available for the recording of complaints relating to dust – “: Environmental Incidents, N/Conformance and Complaints”	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
8.1.7.6	Dust fall out monitoring plan must be developed and effectively implemented. Consideration should be given to ambient monitoring (PM10 and PM2.5).	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.7.7	Greenhouse gas emissions must be managed through effective maintenance of all diesel driven vehicles.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.8 NOISE			
8.1.8.1	Ensure all equipment and vehicles are serviced regularly to prevent excessive noise. Vehicles and equipment generating excessive noise should be fitted with appropriate noise abatement measures.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.8.2	Construction workers must be provided with the appropriate personal protection equipment in areas required as per the Mine Health and Safety Act (No. 29 of 1996) (MHSA). Records of the PPE supplied must be maintained for record keeping purposes.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.8.3	A complaints register must be made available the site security office and should any complaints be received; these must be logged in the complaints register and reported to the responsible person on-site.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.8.4	Training and induction requirements must be undertaken as outlined in section 12.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.8.5	Environmental incidents register (to be updated in Landau Colliery's EMS), with records of close-out on incidents received.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.9 WETLANDS AND SENSITIVE LANDSCAPES			
8.1.9.1	Storm water control Management Measures To minimise loss of water inputs to the wetlands, the following measures should be implemented: Minimise the extent of the dirty water exclusion areas while ensuring the effective separation of clean and dirty water.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.9.2	Maintain areas within the opencast footprint as clean water areas for as long as possible prior to mining activities commencing.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.9.3	Divert all clean water around dirty water areas and discharge into adjacent wetland areas in a controlled, environmentally sensitive manner and as determined in the hydrological assessment.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.9.4	No discharge of dirty water should take place on site.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.9.5	A long-term monitoring programme reflecting quality and quantity is therefore proposed to monitor the ecosystem health.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.9.6	Wetland functioning should be assessed by monitoring water levels of a shallow borehole within the wetland. If not already present a borehole should be drilled to within the upper perched aquifer only (≤6 mbsl) and subsequently monitoring water levels on a monthly basis taking seasonal fluctuation into account.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
8.1.9.7	The proposed mining & development footprint must be fenced off and all activities must be limited to the fenced off area.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.9.8	Where possible, a 50m buffer zone should be maintained between the wetlands and the fenced off mining area.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.9.9		N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.9.10	Locate all temporary stockpiles, constructor's camps, laydown areas, ablution facilities etc. a minimum of 50m from any delineated wetland area.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.9.11	Develop and implement a construction storm water management plan prior to the commencement of site clearing activities. Such a plan should aim to minimise sediment movement off the construction site and limit increases in turbidity of adjacent wetlands.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.9.12	All disturbed areas outside the direct development footprints should be rehabilitated and revegetated as soon as possible. Refer to the guidelines below.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.9.13	All construction staff should be educated on the sensitivity of wetland areas and should be made aware of all wetland areas in close proximity to the construction sites.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.9.14	Sediment traps and sediment barriers should be installed where necessary, and discharge points should be protected against erosion and incorporate energy dissipaters.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.9.15	Erosion within the construction site must be minimised through the following: Limiting the area of disturbance and vegetation clearing to as small an area as possible;	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.9.16	Where possible, undertaking construction during the dry season;	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.9.17	Phasing vegetation clearing activities and limiting the time that any one area of bare soil is exposed to erosion;	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.9.18	Control of storm water flowing onto and through the site. Where required, storm water from upslope should be diverted around the construction site	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.9.19	Prompt stabilisation and re-vegetation of soils after disturbance and construction activities in an area are complete; and	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.9.20	Protection of slopes. Where steeper slopes occur, these should be stabilised using geotextiles or any other suitable product designed for the purpose.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.9.21	Sediment transport off the site must be minimised through the following: Establishing perimeter sediment controls. This can be achieved through the installation of sediment fences along downslope verges of the construction site.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
	Where channelled or concentrated flow occurs, reinforced sediment fences or other sediment barriers such as sediment basins should be used (refer to US EPA guidelines on Storm water Pollution Prevention);		
8.1.9.22	Discharge of storm water from the construction site into adjacent grassland rather than directly into wetland habitat.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.9.23	Discharged flows must be slow and diffuse; and Regular inspection and maintenance of sediment controls.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.9.24	Clean and dirty storm water need to be separated as per the strategies contained in the hydrological assessment;	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.9.25	No contaminated water should be allowed to enter the clean storm water system.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.9.26	No dirty mine or dirty storm water may be released into the wetlands and should be contained and treated on site, or used for dust suppression. Should contaminated water enter the wetlands due to spillages or other unforeseen circumstances a wetland/water quality expert should be consulted regarding implementation of suitable mitigation and/or rehabilitation measures;	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.9.27	Required PCDs should be designed to be in compliance with the applicable legislation requirements as well as accepted best management practices;	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.9.28	To prevent seepage and leakage out of the PCDs, these facilities should be lined with a suitable engineered liner.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.9.29	A water quality and bio monitoring plan should be compiled and implemented (if not already in place) to monitor for any deterioration in water quality in the adjacent wetland systems; and	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.9.30	Regular maintenance and inspections of the PCDs should be undertaken to ensure operation of the dams as per design specifications. A log book of inspections and maintenance activities must be kept.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.9.31	Investigations should determine the feasibility to operate the Navigation West pollution control dam at 28 % capacity to ensure a buffer capacity during such a flood. Otherwise, the dam's capacity should be increased.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.9.32	The pollution control dam should be operated at "as low level as possible".	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.9.33	Desilting of the pollution control dam must also be undertaken to ensure sufficient capacity at the facility.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.10 VISUAL			
8.1.10.1	Keep disturbed areas to a minimum.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
8.1.10.2	No clearing of land to take place outside the demarcated footprint.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.10.3	Only indigenous plant species to be introduced and planted. All areas must be vegetated with a suitable ground cover immediately after or construction activities to prevent erosion and mud slides.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.10.4	Buildings and similar structures must be in keeping with the principles of critical regionalism, namely sense of place, sense of history, sense of nature, sense of craft and sense of limits.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.10.5	Maintain the site during operation of the mine. Inoperative equipment and poor housekeeping, in general, creates a poor image of the activity in the eyes of the public.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.10.6	Implement a rehabilitation plan as previously discussed.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.11 SITES OF ARCHAEOLOGICAL AND CULTURAL IMPORTANCE			
8.1.11.1	G01 and G02 must be demarcated with a fence and fitted with a gate in order to allow for family or friends to visit the deceased. This will also lessen the risk that the graveyards may be affected by any developmental activities. It is possible that this Phase I HIA study may have missed heritage resources in the Project Area as heritage sites may occur in thick clumps of vegetation while others may lie below the surface of the earth and may only be exposed once development commences. If any heritage resources of significance are exposed during AOL's proposed new project the South African Heritage Resources Authority (SAHRA) should be notified immediately, all development activities must be stopped and an archaeologist accredited with the Association for Southern African Professional Archaeologist (ASAPA) should be notified in order to determine appropriate mitigation measures for the discovered finds. This may include obtaining the necessary authorisation (permits) from SAHRA to conduct the mitigation measures.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.11.2	If any palaeontological material is exposed during digging, excavating, drilling or blasting SAHRA must be notified. All construction activities must be stopped and a palaeontologist should be called in to determine proper mitigation measures.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.1.11.3	Landau Colliery currently provides jobs for over 900 people and funds and participates in community projects. The positive impacts of Landau Colliery on the regional socio-economic conditions during the Operational Phase are discussed in Part 4. All positive impacts of the mine on the socioeconomic that will have taken place during the Operational Phase will continue during the Decommissioning Phase until they cease, mainly due to the reduction or cessation of jobs and the cessation of demand for goods and services.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
OPERATIONAL PHASE			
8.1.1 TOPOGRAPHY, GEOLOGY, SOIL, LANDUSE AND LAND CAPABILITY			
8.2.1.1	Rehabilitation of the opencast mining area will be conducted concurrently with mining. Open cuts will be minimised to between 3 and 5 at any given time with successive cuts used to systematically backfill preceding cuts. This will minimise the size of the void at any point in time.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
8.2.1.2	The disturbance area for the opencast pit will be kept at a minimum and in the designated area as indicated on the design for the proposed project attached hereto as Plan 3 in Appendix A.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.1.3	Spoil areas will be levelled and profiled, while voids will be backfilled and profiled continuously and progressively as mining advances.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.1.4	Suitable rehabilitation techniques will be employed for the backfilling of the opencast voids, so as to promote free-drainage, and the re-establishment of pre-mining drainage patterns, as far as practicable. The post-mining surface topography will be modelled (rehabilitation designs) using suitable software, to ensure that appropriate measures can be implemented concurrently with the mining activities to ensure that a free-draining surface can be achieved. Such rehabilitation designs will be compiled from which rehabilitation plans will be developed. Regular reviews of the rehabilitation plans will be undertaken, and actual rehabilitation surveyed to verify compliance with rehabilitation plans and the rehabilitation design.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.1.5	A Topsoil Management Standard Procedure shall be implemented that describes the requirements during the removal of the topsoil portion of the overburden, topsoil placement and stockpiling, general topsoil monitoring and topsoil thickness control, with consideration to the land use capability to be achieved.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.1.6	Soil preparation and seeding will be undertaken in accordance with the identified land use and according to the existing Landau Vegetation Establishment and Maintenance Procedure.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.1.7	Post rehabilitation monitoring will be undertaken to assess the effectiveness of rehabilitation that includes but not limited to assessing soil quality and further fertilization requirements, erosion concerns, success in natural vegetation establishment, including identifying concerns regarding alien invasive species. Recommendations from post rehabilitation monitoring will be implemented.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.1.8	Mitigation-Erosion: Erosion prevention measures (e.g. grass, cement or rock) should be in place at all concentration points. These areas include roads, trenches, berms and other infrastructure that may increase surface runoff.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.1.9	Erosion of access roads should be addressed by implementing energy dissipaters to drain surface runoff away from the roads if necessary.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.1.10	All berms should be inspected regularly for cracks that reduces the integrity of the structures.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.1.11	Regular inspections will be undertaken and if signs of erosion are identified, mechanical inputs will be required.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.1.12	Mitigation-Topsoil preservation Based on the construction activities required, mine planning should include the removal and storage areas in the planning program and layout plans. Stripping of topsoil and subsoil will be restricted to pre-designated mining areas, and will be stripped ahead of mining in such a manner that the mining window is minimised to between 3 and 5 open cuts.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
8.2.1.13	The topsoil should be stripped to a maximum depth as measured during the initial survey, and after stripping verified for effectiveness of stripping.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.1.14	The removal of alien and invasive species ahead of mining will contribute to the eradication of such species from the local region. During removal of the alien and invasive species, care will be taken to minimise the likelihood of seeds or vegetative parts of the alien plants being trapped in the soil layer and thereby being preserved as part of the seed bank in the stockpiled topsoil to be used for rehabilitation after mining.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.2 SOIL, LAND USE AND LAND CAPABILITY			
8.2.2.1	Topsoil and subsoil will be stockpiled separately, according to the soil utilisation guide in the designated areas as indicated in Plan 3 of Appendix A where the stockpiles are positioned to be located downslope of the dirty water areas away from seepage zones, flood lines, watercourses and other ecological sensitive areas.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.2.2	The volumes of the different topsoil stockpiles must be calculated and reflected on the surface layout plan. This is done to ensure that when rehabilitation is required the volume required and the volume available can be compared (topsoil balance).	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.2.3	Where possible, subsoil and topsoil will be placed directly onto prepared rehabilitated opencast areas behind the active mining strip to minimise the volume of subsoil and topsoil that needs to be stockpiled.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.2.4	To ensure that the area to be disturbed by construction activities is to be kept to a minimum, only large enough to carry out the necessary activities as indicated on the design for the proposed project attached hereto as Plan 3 in Appendix A.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.2.5	Affected runoff from the plant areas and the opencast pit will be collected and contained in the affected water management system, with further diversion of the clean water.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.2.6	Conceptual water management strategies are contained within the stormwater management plan and civil engineering designs of the approved by a registered professional civil engineer (Appendix A).	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.2.7	Implement a planned maintenance programme covering the affected water management circuit. This maintenance programme to assess aspects of siltation, capacity and containment integrity.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.2.8	Equipment and Vehicle Storage Area: Areas of open ground that are to be utilised (i.e. equipment and vehicle storage) should be hard standing. Furthermore, a clean and dirty water separation system must be constructed to ensure that no contamination of clean water systems occurs. Should a spillage or leakage of a hydrocarbon, chemical or hazardous substance occur, the spill/leakage must be cleaned up as per procedures for Oil, Fuel and Chemical Spill Clean-up and Environmental Incidents, N/Conformance and Complaints.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.2.9	Ensure that areas containing chemical and hazardous substances are contained (e.g. in a bund) to ensure no contamination of surrounding water resources or soil is contaminated. The bunded area must be able to contain 110% of the total volume of materials stored at any given time. Also follow the procedure on Handling and Storage of hazardous materials.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
8.2.2.10	Small quantities (50 litres or less) of chemical and hazardous substances (oil, lubricant, etc.) shall be stored in appropriate containers within a secure storage area. The base of the storage area should be impervious and designed to ensure that the contained substances do not infiltrate into the soil.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.2.11	Regular inspections of the integrity of all bund areas will be undertaken.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.2.12	MSDS (Material Safety Data Sheet) for on-site chemicals, hydrocarbons and hazardous substances must be readily available. A MSDS should include information pertaining to environmental impacts and measures to minimise and mitigate against any potential environmental impact which may result from a spill.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.2.13	Used fuels, oil, hydraulic fluids, paints, solvents, and grease should be stored in drums or other suitable containers and stored on a hardstanding and impermeable surface. These should be labelled, sealed and removed from the site to an appropriate disposal site or recycling facility. Under no circumstances will these substances be disposed of on-site or into the surrounding environment.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.2.14	Soils that may be contaminated during the construction and operational phases are to be removed to prevent the contamination of the soils, surrounding surface water or underlying groundwater. Contaminated soil must be removed from site as hazardous waste.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.2.15	All construction materials used may be temporarily stored on-site, but bags and containers should be sealed during storage. All leakages, spillages and incidents must be cleaned-up and reported as per Oil, Fuel and Chemical Spill Clean-up and Environmental Incidents, N/Conformance and Complaints.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.2.16	No vehicles or equipment may be repaired or washed on-sites other than the designated wash bay area and maintenance workshop at the Workshop Complex.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.2.17	Temporary drip trays must be placed underneath vehicles or equipment that are leaking hydrocarbons until such a time that they are repaired.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.2.18	Monitor effectiveness of mitigation measures: Implement the surface water (monthly) and groundwater (quarterly).	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.2.19	Undertake annual GN 704 compliance audits, to verify the effectiveness of clean/affected water separation. Any shortcomings, with further consideration to the surface water monitoring results, should be addressed as a matter of urgency.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.2.20	Regular site inspections to be undertaken to assess if spillages or soil pollution incidents have occurred. Such incidents shall be reported (use of the incident reporting procedure), and immediately corrected.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.2.21	Rehabilitation of the opencast mining area will be conducted concurrently with mining. Open cuts will be minimised to between 3 and 5 at any given time with successive cuts used to systematically backfill preceding cuts. This will minimise the size of the void at any point in time.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.2.22	Spoil areas will be levelled and profiled, while voids will be backfilled and profiled continuously and progressively as mining advances.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
8.2.2.23	Suitable rehabilitation techniques will be employed for the backfilling of the opencast voids, so as to promote free-drainage, and the re-establishment of pre-mining drainage patterns, as far as practicable. The post-mining surface topography will be modelled (rehabilitation designs) using suitable software, to ensure that appropriate measures can be implemented concurrently with the mining activities to ensure that a free-draining surface can be achieved. Such rehabilitation designs will be compiled from which rehabilitation plans will be developed. Regular reviews of the rehabilitation plans will be undertaken, and actual rehabilitation surveyed to verify compliance with rehabilitation plans and the rehabilitation design.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.2.24	A Topsoil Management Standard Procedure shall be implemented that describes the requirements during the removal of the topsoil portion of the overburden, topsoil placement and stockpiling, general topsoil monitoring and topsoil thickness control, with consideration to the land use capability to be achieved.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.2.25	Soil preparation and seeding will be undertaken in accordance with the identified land use and according to the existing Landau Vegetation Establishment and Maintenance Procedure.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.2.26	Post rehabilitation monitoring will be undertaken to assess the effectiveness of rehabilitation that includes but not limited to assessing soil quality and further fertilization requirements, erosion concerns, success in natural vegetation establishment, including identifying concerns regarding alien invasive species. Recommendations from post rehabilitation monitoring will be implemented.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.3 VEGETATION			
8.2.3.1	With mitigation measures it may be possible to reduce the impacts on the flora of the project area. This can be done by re-vegetating the opencast pit area by placing topsoil, ripping and seeding the rehabilitated areas in order to encourage the growth of grasses. These grasses would then provide habitat for the displaced animals thus mitigating against the initial habitat loss and will also prevent soil losses by wind and/or storm water erosion.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.3.2	Minimise the footprint as far as possible to mitigate impacts associated with the clearance of existing vegetation;	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.3.3	Keep clean and dirty water systems separate and ensure that dirty water is not discharged into the environment to avoid impact occurring to flora and fauna species; and	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.3.4	Keep infrastructure out of wetland vegetation (impacts assessed in the Wetland Specialist Report, compiled by Wetland Consulting, 2014) areas to minimise impact to flora and fauna as these areas are important habitat types.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.3.5	A grass mix should be selected for rehabilitation of disturbed open areas. The selected grass mix should consist of a mix of quick covering grassed pioneer species mat-forming grasses (e.g. Gynodondactylon, Chloris gayana) and tufted grasses (e.g. Eragrostiscurvula) to ensure prompt and adequate coverage of the exposed soil whilst also achieving long-term stability. Alternatively, the current seed mix may be used as per Landau Colliery's Original Environmental Management Programme Report.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
8.2.3.6	Control of alien plant species is essential to restore the natural biodiversity of the landscape. Alien trees utilise excessive amounts of water and often out compete local plants due to their lack of parasites. Removal of alien plants can lead to a net gain in biodiversity as the natural grassland is rehabilitated.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.3.7	Implement an alien invasive control procedure for the area.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.4 ANIMAL LIFE			
8.2.4.1	With mitigation measures it may be possible to reduce the impacts on the fauna of the project area. This can be done by re-vegetating the opencast pit area by placing topsoil, ripping and seeding the rehabilitated areas in order to encourage the growth of grasses. These grasses would then provide habitat for the displaced animals thus mitigating against the initial habitat loss and will also prevent soil losses by wind and/or stormwater erosion.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.4.2	Removal of alien plants can lead to a net gain in biodiversity as the natural grassland is rehabilitated.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
	The following mitigations measures are proposed:		
8.2.4.3	Implement an alien invasive control procedure for that area;	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.4.4	Keep clean and dirty water systems separate and ensure that dirty water is not discharged into the environment to avoid impact occurring to flora and fauna species; and	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.4.5	Keep infrastructure out of wetland vegetation (impacts assessed in the Wetland Specialist Report, compiled by Wetland Consulting Services, 2014) areas to minimise impact to flora and fauna as these areas are important habitat types.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.4.6	Mining will take place progressively in sequences of box cuts with concurrent rehabilitation. Therefore, retention areas within the box cuts will be kept to a minimum.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.5 SURFACE WATER			
8.2.5.1	Surface water quality: Ensure effective level control and maintain a 0.8 metre freeboard at the Navigation West pollution control dam above full supply level to comply with Schedule 6(e).	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.5.2	Siltation of the PCD should be prevented by implementing a maintenance schedule to remove silt to ensure adequate capacity for storage of dirty water. The current silt traps at the PCD should also be inspected on a regular basis to ensure optimal functionality.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.5.3	Surface water monitoring should be conducted downstream to identify alterations to surface water quality.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.5.4	Implement effective storm water control, as per hydrological assessment, around stockpiles identified within the dirty area. Divert clean runoff and retain affected runoff from overburden if necessary.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
8.2.5.5	As a general measure, minimise dirty water areas through concurrent rehabilitation during the operational phase.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.5.6	Prevent erosion of loose particles by vegetating cleared land / stockpiles as soon as possible.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.5.7	Ensure that the gradient of soil stockpiles is 1:3 or less (shallower) to allow for the establishment of vegetation on all stockpiles, and prevention of erosion.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.5.8	Berms and trenches must be monitored regularly to ensure they are not blocked.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.5.9	Surface water flow: Although mining activities will impact on surface water flow patterns, the majority of the flow patterns within the project area will remain undisturbed due to the fact that mining will take place in sequence over a time period	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.5.10	Implement effective diversion of storm water runoff to ensure surface flow towards the natural resource although surface water flow patterns will be disturbed by the box-cuts and stockpiles.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.5.11	Ensure that subsided areas formed during concurrent backfilling and rehabilitation of box cuts are free draining.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.5.12	Fertilise and vegetate damaged subsided areas to restore its pre-mining status if required.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.5.13	Monitoring and maintenance: Regular site inspections to be undertaken to assess if spillages or water pollution incidents have occurred. Such incidents shall be reported (use of the incident reporting procedure), and immediately corrected.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.5.14	Should a spillage or leakage of a hydrocarbon, chemical or hazardous substance occur, the spill/leakage must be cleaned up as per Oil, Fuel and Chemical Spill Clean-up and Environmental Incidents, N/Conformance and Complaints procedure.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.5.15	Ensure that areas containing chemical and hazardous substances are contained (e.g. in a bund) to ensure no contamination of surrounding water resources or soil is contaminated. The banded area must be able to contain 110% of the total volume of materials stored at any given time. Also follow the procedure on Handling and Storage of hazardous materials	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.5.16	Implement the surface water (monthly), groundwater (quarterly)	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.5.17	And bio-monitoring programme (biannually) as within the receiving surface water environment.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.5.18	Undertake annual GN 704 compliance audits, to verify the effectiveness of clean/affected water separation. Any shortcomings, with further consideration to the surface water monitoring results, should be addressed as a matter of urgency.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
8.2.5.19	Regular site inspections to be undertaken to assess if spillages or soil pollution incidents have occurred. Such incidents shall be reported (use of the incident reporting procedure), and immediately corrected.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.5.20	The pump station to be installed at the pollution control dam should regularly maintained and water should be pumped from the pollution control dam to the Navigation Dam for process purposes to prevent overflow and to be used during emergency conditions.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.5.21	Adhere to the storm water management plan and civil engineering designs of the approved by a registered professional civil engineer.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.6 GROUNDWATER			
8.2.6.1	Management measures Prevent or contain contamination from blasting activities.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.6.2	Action plans Handle and store blasting material according to manufacturing requirements.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.6.3	Train staff and implement correct procedures for the handling of blasting material.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.6.4	Only qualified staff should handle these materials.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.6.5	Minimize seepage, prevent contact between clean and dirty areas, and recycle contaminated water.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.6.6	Contain contaminated water for re-use and evaporation.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.6.7	Minimize the extent of disturbance of the aquifer.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.6.8	To prevent degeneration of groundwater quality.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.6.9	To manage the anticipated impacts associated with the inflow of groundwater to the opencast.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.6.10	Wastage of coal-bearing material outside the allocated dirty water management area during the operational phase should be prevented. Haul roads and other compacted surfaces should be kept free of carbonaceous material by cleaning spillages, thereby reducing infiltration of contaminated water.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.6.11	Dirty water should be contained in fit-for-purpose and lined designed facilities, which will limit infiltration of contaminated water to groundwater.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
8.2.6.12	Water retention in the in-pit sump areas should be as minimal as possible to limit the quality related impacts.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.6.13	Clean surface water should not come into contact with dirty water or coal bearing material.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.6.14	Hazardous material should be stored in the correct designated and bunded areas that are specially designed and constructed for that purpose.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.6.15	Staff should be trained to implement correct procedures for the handling of hazardous material.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.6.16	Storage areas should be regularly inspected.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.6.17	Oil contaminated water should be diverted from the bunded area during rain events to an interception or oil water separation facility.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.6.18	Drains and cut-off trenches (storm water management system) around the proposed opencast pits should be implemented before commencing with pit development to prevent clean run-off water from entering the pit.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.6.19	Interception drainage around the pit. The dewatering of the aquifer system cannot be prevented. If the monitoring program indicates that nearby groundwater users are affected by the dewatering, the users need to be compensated for the loss.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.6.20	Interception drainage around the pit – minimize surface area where operations would contaminate water (smaller disturbed areas mean smaller manageable volumes).	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.6.21	Groundwater infiltration should be controlled and can be achieved through installation of liners and sufficient surface drainage.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.6.22	Implement and maintain proper storm water management infrastructure.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.6.23	Concurrent rehabilitation should follow the premining in-situ profile with coal spoils and carbonaceous material placed in the bottom beneath the water followed by the high neutralising rock (sandstone/tillite) and finally the clay and topsoil layer.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.6.24	Implement rehabilitation plan under supervision of suitably qualified person.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.6.25	The rate and extent of ARD formation should be alleviated as far as possible by duplicating the pre-existing in situ profile.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.6.26	Water infiltration and oxygen ingress into the backfilled voids should be minimised.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
8.2.6.27	The final cut or pit should be filled to resemble the pre-mining in-situ profiles with the coal spoils and carbonaceous materials (mudstones) in the bottom followed by the higher neutralising potential rocks such as the sandstones and tillites (if present) and finally by a compacted clay and topsoil layer.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.6.28	Rate and volume of water infiltration should be minimised by compaction and capping.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.6.29	Coal spoils and carbonaceous material should be placed beneath the water table to limit the ingress of oxidation.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.6.30	Seeding of landscaped areas (depending on specialist recommendations).	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.6.31	Continuous monitoring of groundwater quality conditions through purpose drilled groundwater monitoring boreholes to ensure early detection of negative impacts.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.7 AIR QUALITY			
8.2.7.1	Proposed mitigation: The following mitigation measures will be implemented: Phasing of earthmoving activities to reduce source size.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.7.2	Dust suppression in dirty areas in accordance to the dust suppression procedure.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.7.3	Early vegetation and stabilization of topsoil stockpile and reduction of the frequency of disturbance.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.7.4	Early paving or treatment with chemical surfactant of mine-owned permanent roads.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.7.5	Speed control will be enforced on all roads.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.7.6	Complaints register must be make available for the recording of complaints relating to dust – “: Environmental Incidents, N/Conformance and Complaints”	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.7.7	Dust fall out monitoring plan must be developed and effectively implemented. Consideration should be given to ambient monitoring (PM10 and PM2.5).	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.7.8	Greenhouse gas emissions must be managed through effective maintenance of all diesel driven vehicles	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.7.9	Should areas of the surface dry out, resulting in the generation of dust, a water bowser will be utilised for dust suppression.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
8.2.7.10	Dust suppression in dirty areas in accordance to the dust suppression procedure.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.7.11	Early vegetation and stabilization of topsoil stockpile and reduction of the frequency of disturbance.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.7.12	Early paving or treatment with chemical surfactant of mine-owned permanent roads.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.7.13	Speed control will be enforced on all roads.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.7.14	Complaints register must be make available for the recording of complaints relating to dust – “Environmental Incidents, N/Conformance and Complaints”	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.7.15	Implementation of the dust fall out monitoring plan. Consideration should be given to ambient monitoring (PM10 and PM2.5).	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.7.16	Greenhouse gas emissions must be managed through preventing of sponcom of stockpiles and in-pit through effective deposition/compaction and rehabilitation, and effective maintenance of all diesel driven vehicles	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.7.17	Continually assess the efficiency of dust mitigation measures.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.8 NOISE			
8.2.8.1	Ensure all equipment and vehicles are serviced regularly to prevent excessive noise.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.8.2	Vehicles and equipment generating excessive noise should be fitted with appropriate noise abatement measures.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.8.3	Construction workers must be provided with the appropriate personal protection equipment in areas required as per the Mine Health and Safety Act (No. 29 of 1996) (MHSA). Records of the PPE supplied must be maintained for record keeping purposes.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.8.4	A complaints register must be made available the site security office and should any complaints be received; these must be logged in the complaints register and reported to the responsible person on-site.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.8.5	Training and induction requirements must be undertaken as outlined in section 12.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.8.6	Environmental incidents register (to be updated in Landau Colliery's EMS), with records of close-out on incidents received.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
8.2.8.7	Undertake environmental noise monitoring and keep records of monitoring reports.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.8.8	Personal protective equipment register to be kept.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.8.9	Induction training and register to be kept.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.9 BLASTING AND VIBRATION			
8.2.9.1	In review of the evaluations made it is certain that specific mitigation will be required with regards to ground vibration. This is specific to the structures at the Pit Area and closest to the pit area.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.9.2	Air blast and fly rock can be controlled using proper charging methodology. It is advisable that a detail plan of action is put in place to manage ground vibrations in the areas of concern.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.9.3	In order to ensure that levels of ground vibration and that of air blast are within acceptable limits not to induce damage, the Blasting Study shows a combination of reduce charge mass per delay and increased distance from the structures of concern. The location of these structures is such that specific design changes are required for the blast operations on the northern side of the pit area. This will be dependent on the actual drill depths, quantity of charge per blast hole and the initiation system used. The recommendations made are based on minimum and maximum charge allowed to facilitate acceptable levels of ground vibration. Charge mass per delay less than that specified will allow for shorter distances.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.9.4	The only mitigation that will be possible for the pipeline is a combination of distance between blast and charge mass per delay.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.9.5	The proposed limits as applied in the Blasting study i.e. 6 mm/s, 12.5 mm/s and 25 mm/s and specific limits for industrial installations are considered sufficient to ensure that additional damage is not introduced to the different categories of structures. It is expected that, should levels of ground vibration be maintained within these limits, the possibility of inducing damage is limited.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.9.6	Monitoring can be done in permanent stations or on ad hoc basis – per blast basis monitoring. Additionally, to this it is recommended that a video of each blast is done as a standard.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.9.7	Monitoring of ground vibration and air blast is done to ensure that the generated levels of ground vibration and air blast comply with recommendations. Ground vibration and air blast is monitored using a seismograph.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.9.8	There is currently a monitoring program in place. It is further highly recommended that this program be continued and additional monitors used for the south pit extension. Additional positions are proposed and indicated in the blasting study.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.9.9	The monitoring of ground vibration will also qualify the expected ground vibration and air blast levels and assist in mitigating these aspects properly. This will also contribute to proper relationships with the neighbours. Four monitors are currently used. An additional 7 monitoring positions were identified for the pit.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
8.2.9.10	The current proposed stemming lengths at least must be maintained to ensure control on fly rock. Specific designs where distances and blast is known should be considered with this.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.9.11	There are a public gravel road on the western side of the pit area and farm roads closer than 500m to the project area. These roads may be in danger of being damaged if consideration is not given to proper controls and fly rock control if no re-routing is to be done. Levels are extremely higher than the allowed limits for these points of interest and have specific concern to ground vibration and mitigation will be required. Proper road closure procedures in conjunction with the necessary authorities will be required. All blasting closer than 358 m to roads will require road closure procedures. Farm roads that are used daily may exist and should be considered for closure just when blasting is done in vicinity of these roads.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.10 WETLANDS AND SENSITIVE LANDSCAPES			
8.2.10.1	Minimise the extent of the dirty water exclusion areas while ensuring the effective separation of clean and dirty water.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.10.2	Maintain areas within the opencast footprint as clean water areas for as long as possible prior to mining activities commencing.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.10.3	Divert all clean water around dirty water areas and discharge into adjacent wetland areas in a controlled, environmentally sensitive manner and as determined in the hydrological assessment.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.10.4	Ensure concurrent rehabilitation measures keep pace with mining activities so that the rehabilitated areas can be reinstated as clean water areas draining towards the wetlands.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.10.5	Rehabilitation of the opencast pit should ensure that catchment areas of the pre-mining landscape are reinstated.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.10.6	No discharge of dirty water should take place on site.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.10.7	Dewatering Management Measures.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.10.8	A long-term monitoring programme reflecting quality and quantity is therefore proposed to monitor the ecosystem health.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.10.9	Wetland functioning should be assessed by monitoring water levels of a shallow borehole within the wetland. If not already present a borehole should be drilled to within the upper perched aquifer only (≤ 6 mbsl) and subsequently monitoring water levels on a monthly basis taking seasonal fluctuation into account.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.10.10	Disturbance of wetland habitat outside the direct development footprint must be avoided using the following measures, but not limited to:	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
8.2.10.11	The proposed mining & development footprint must be fenced off.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.10.12	And all activities must be limited to the fenced off area.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.10.13	Where possible, a 50m buffer zone should be maintained between the wetlands and the fenced off mining area.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.10.14	Locate all temporary stockpiles, constructor's camps, laydown areas, ablution facilities etc. a minimum of 50m from any delineated wetland area.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.10.15	All disturbed areas outside the direct development footprints should be rehabilitated and re-vegetated as soon as possible. Refer to the guidelines below.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.10.16	If land adjacent to the mining area is leased, the leasee must be made aware of the presence and importance of wetland systems on the leased land, as well as the management measures adopted by the mine for these areas.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.10.17	Sediment traps and sediment barriers should be installed where necessary, and discharge points should be protected against erosion and incorporate energy dissipaters.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.10.18	Sediment transport off the site must be minimised through the following:		This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.10.19	Establishing perimeter sediment controls. This can be achieved through the installation of sediment fences along downslope verges of the construction site. Where channelled or concentrated flow occurs, reinforced sediment fences or other sediment barriers such as sediment basins should be used (refer to US EPA guidelines on Storm Water Pollution Prevention).	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.10.20	Discharge of storm water from the construction site into adjacent grassland rather than directly into wetland habitat.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.10.21	Discharged flows must be slow and diffuse; and Regular inspection and maintenance of sediment controls.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.10.22	Clean and dirty storm water need to be separated as per the strategies contained in the hydrological assessment.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.10.23	No contaminated water should be allowed to enter the clean storm water system.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.10.24	No dirty mine or dirty storm water may be released into the wetlands and should be contained and treated on site, or used for dust suppression. Should contaminated water enter the wetlands due to spillages or other unforeseen circumstances a wetland/water quality expert should be consulted regarding implementation of suitable mitigation and/or rehabilitation measures;	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
8.2.10.25	Required PCDs should be designed to be in compliance with the applicable legislation requirements as well as accepted best management practices;	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.10.26	To prevent seepage and leakage out of the PCDs, these facilities should be lined with a suitable engineered liner;	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.10.27	A water quality and bio monitoring plan should be compiled and implemented (if not already in place) to monitor for any deterioration in water quality in the adjacent wetland systems.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.10.28	Regular maintenance and inspections of the PCDs should be undertaken to ensure operation of the dams as per design specifications. A log book of inspections and maintenance activities must be kept.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.10.29	Investigations should determine the feasibility to operate the Navigation West pollution control dam at 28 % capacity to ensure a buffer capacity during such a flood. Otherwise, the dam's capacity should be increased.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.10.30	The pollution control dam should be operated at "as low level as possible".	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.10.31	Desilting of the pollution control dam must also be undertaken to ensure sufficient capacity at the facility.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.11 VISUAL			
8.2.11.1	Keep disturbed areas to a minimum.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.11.2	No clearing of land to take place outside the demarcated footprint.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.11.3	Buildings and similar structures must be in keeping with the principles of critical regionalism, namely sense of place, sense of history, sense of nature, sense of craft and sense of limits.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.11.4	Maintain the site during operation of the mine. Inoperative equipment and poor housekeeping, in general, creates a poor image of the activity in the eyes of the public.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.11.5	Implement a rehabilitation plan as previously discussed.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period
8.2.12 SITES OF ARCHAEOLOGICAL AND CULTURAL IMPORTANCE			
8.2.12.1	G01 and G02 must be demarcated with a fence and fitted with a gate in order to allow for family or friends to visit the deceased. This will also lessen the risk that the graveyards may be affected by any developmental activities. It is possible that this Phase I HIA study may have missed heritage resources in the Project Area as heritage sites may occur in thick clumps of vegetation while others may lie below the surface of the earth and may only be exposed once development commences. If any heritage resources of significance are exposed during AOL's proposed new project the South African Heritage Resources Authority (SAHRA) should be notified immediately, all	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
	development activities must be stopped and an archaeologist accredited with the Association for Southern African Professional Archaeologist (ASAPA) should be notified in order to determine appropriate mitigation measures for the discovered finds. This may include obtaining the necessary authorisation (permits) from SAHRA to conduct the mitigation measures.		
8.2.12.2	If any palaeontological material is exposed during digging, excavating, drilling or blasting SAHRA must be notified. All construction activities must be stopped and a palaeontologist should be called in to determine proper mitigation measures.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.2.13 SOCIOECONOMIC			
8.3.13.	Landau Colliery currently provides jobs for over 900 people and funds and participates in community projects. The positive impacts of Landau Colliery on the regional socio-economic conditions during the Operational Phase are discussed in Part 4 All positive impacts of the mine on the socio economy that will have taken place during the Operational Phase will continue during the Decommissioning Phase until they cease, mainly due to the reduction or cessation of jobs and the cessation of demand for goods and services.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
DECOMMISSIONING PHASE			
8.3.1 TOPOGRAPHY AND GEOLOGY			
8.3.1.1	The disturbance area for the opencast pit will be kept at a minimum and in the designated area as indicated on the design for the proposed project attached hereto as Plan 3 in Appendix A.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.1.2	Spoil areas will be levelled and profiled, while voids will be backfilled and profiled continuously and progressively as mining advances.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.1.3	Suitable rehabilitation techniques will be employed for the backfilling of the opencast voids, so as to promote free-drainage, and the re-establishment of pre-mining drainage patterns, as far as practicable. The post-mining surface topography will be modelled (rehabilitation designs) using suitable software, to ensure that appropriate measures can be implemented concurrently with the mining activities to ensure that a free-draining surface can be achieved. Such rehabilitation designs will be compiled from which rehabilitation plans will be developed. Regular reviews of the rehabilitation plans will be undertaken, and actual rehabilitation surveyed to verify compliance with rehabilitation plans and the rehabilitation design.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.1.4	Soil preparation and seeding will be undertaken and in Done accordance with the identified land use and according to the existing Landau Vegetation Establishment and Maintenance Procedure.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.1.5	Post rehabilitation monitoring will be undertaken to assess the effectiveness of rehabilitation that includes but not limited to assessing soil quality and further fertilization requirements, erosion concerns, success in natural vegetation establishment, including identifying concerns regarding alien invasive species. Recommendations from post rehabilitation monitoring will be implemented.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.2 SOIL, LAND USE AND LAND CAPABILITY			
8.3.2.1	Where possible, subsoil and topsoil will be placed directly onto prepared rehabilitated opencast areas behind the active mining strip to minimise the volume of subsoil and topsoil that needs to be stockpiled.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
8.3.2.2	Soil preparation and seeding will be undertaken in accordance with the identified land use and according to the existing Landau Vegetation Establishment and Maintenance Procedure.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.2.3	Post rehabilitation monitoring will be undertaken to assess the effectiveness of rehabilitation that includes but not limited to assessing soil quality and further fertilization requirements, erosion concerns, success in natural vegetation establishment, including identifying concerns regarding alien invasive species. Recommendations from post rehabilitation monitoring will be implemented.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.3 VEGETATION			
8.3.3.1	Control of alien plant species is essential to restore the natural biodiversity of the landscape. Alien trees utilise excessive amounts of water and often out compete local plants due to their lack of parasites. Removal of alien plants can lead to a net gain in biodiversity as the natural grassland is rehabilitated. Implement the alien invasive control procedure for the area.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.4 ANIMAL LIFE			
8.3.4.1	Keep activities out of wetland vegetation (impacts assessed in the Wetland Specialist Report, compiled by Wetland Consulting Services, 2014) areas to minimise impact to flora and fauna as these areas are important habitat types.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.5 GROUNDWATER			
8.3.6.1	Management measures:	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.6.2	Minimize seepage, prevent contact between clean and dirty areas, and recycle contaminated water.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.6.3	Contain contaminated water for re-use and evaporation.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.6.4	Minimize the extent of disturbance of the aquifer.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.6.5	To prevent degeneration of groundwater quality.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.6.6	To manage the anticipated impacts associated with the inflow of groundwater to the opencast.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.6.7	The dewatering of the aquifer system cannot be prevented. If the monitoring program indicates that nearby groundwater users are affected by the dewatering, the users need to be compensated for the loss.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.6.8	Management measures	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.6.9	Interception drainage around the pit – minimize surface area where operations would contaminate water (smaller disturbed areas mean smaller manageable volumes).	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
8.3.6.10	Groundwater infiltration should be controlled and can be achieved through installation of liners and sufficient surface drainage.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.6.11	Action plans	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.6.12	Concurrent rehabilitation should follow the premining in-situ profile with coal spoils and carbonaceous material placed in the bottom beneath the water followed by the high neutralising rock (sandstone/tillite) and finally the clay and topsoil layer.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.6.13	Management measures:	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.6.14	Implement rehabilitation plan under supervision of suitably qualified person.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.6.15	The rate and extent of ARD formation should be alleviated as far as possible by duplicating the pre-existing in situ profile.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.6.16	Water infiltration and oxygen ingress into the backfilled voids should be minimised.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.6.17	Action plans:	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.6.18	The final cut or pit should be filled to resemble the pre-mining in-situ profiles with the coal spoils and carbonaceous materials (mudstones) in the bottom followed by the higher neutralising potential rocks such as the sandstones and tillites (if present) and finally by a compacted clay and topsoil layer.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.6.19	Rate and volume of water infiltration should be minimised by compaction and capping.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.6.20	Coal spoils and carbonaceous material should be placed beneath the water table to limit the ingress of oxidation	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.6.21	Seeding of landscaped areas (depending on specialist recommendations).	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.6.22	Continuous monitoring of groundwater quality conditions through purpose drilled groundwater monitoring boreholes to ensure early detection of negative impacts	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.6 AIR QUALITY			
8.3.7.1	Phasing of earthmoving activities to reduce source size.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
8.3.7.2	Dust suppression in dirty areas in accordance to the dust suppression procedure.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.7.3	Speed control will be enforced on all roads.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.7.4	Complaints register must be make available for the recording of complaints relating to dust –“Environmental Incidents, N/Conformance and Complaints”	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.7.5	Greenhouse gas emissions must be managed through effective rehabilitation, to prevent the risk of sponcom.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.7 NOISE			
8.2.8.1	Ensure all equipment and vehicles are serviced regularly to prevent excessive noise. Vehicles and equipment generating excessive noise should be fitted with appropriate noise abatement measures.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.2.8.2	A complaints register must be made available the site security office and should any complaints be received, these must be logged in the complaints register and reported to the responsible person onsite.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.2.8.3	Training and induction requirements must be undertaken as outlined in section 12.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.2.8.4	Environmental incidents register (to be updated in Landau Colliery's EMS), with records of close-out on incidents received	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.2.8.5	Undertake environmental noise monitoring and keep records of monitoring reports.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.2.8.6	Personal protective equipment register to be kept	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.2.8.7	Induction training and register to be kept	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.8. WETLANDS AND SENSITIVE LANDSCAPES			
8.3.9.1	Ensure concurrent rehabilitation measures keep pace with mining activities so that the rehabilitated areas can be reinstated as clean water areas draining towards the wetlands.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.9.2	Rehabilitation of the opencast pit should ensure that catchment areas of the pre-mining landscape are reinstated, i.e. areas draining to the north western wetland currently should again drain towards the same wetland in the post-mining landscape.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.9.3	No discharge of dirty water should take place on site	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
8.3.9.4	A long-term monitoring programme reflecting quality and quantity is therefore proposed to monitor the ecosystem health	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.9.5	All disturbed areas outside the direct development footprints should be rehabilitated and re-vegetated as soon as possible. Regular inspection and maintenance of sediment controls.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.9.6	No contaminated water should be allowed to enter the clean storm water system;	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.9.7	No dirty mine or dirty storm water may be released into the wetlands and should be contained and treated on site, or used for dust suppression. Should contaminated water enter the wetlands due to spillages or other unforeseen circumstances a wetland/water quality expert should be consulted regarding implementation of suitable mitigation and/or rehabilitation measures;	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.9 VISUAL			
8.3.10.1	Keep disturbed areas to a minimum.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.10.2	Only indigenous plant species to be introduced and planted. All areas must be vegetated with a suitable ground cover immediately after or construction activities to prevent erosion and mud slides.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.10.3	Maintain the site during operation of the mine. Inoperative equipment and poor housekeeping, in general, creates a poor image of the activity in the eyes of the public.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.10.4	Implement a rehabilitation plan as previously discussed.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.10 SITES OF ARCHAEOLOGICAL AND CULTURAL IMPORTANCE			
8.3.11.	G01 and G02 must be demarcated with a fence and fitted with a gate in order to allow for family or friends to visit the deceased.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
	If any palaeontological material is exposed during digging, excavating, drilling or blasting SAHRA must be notified. All construction activities must be stopped and a palaeontologist should be called in to determine proper mitigation measures.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.
8.3.11 SOCIOECONOMIC			
8.3.12	Landau Colliery currently provides jobs for over 900 people and funds and participates in community projects. The positive impacts of Landau Colliery on the regional socio-economic conditions during the Operational Phase are discussed in Part 4 All positive impacts of the mine on the socio economy that will have taken place during the Operational Phase will continue during the Decommissioning Phase until they cease, mainly due to the reduction or cessation of jobs and the cessation of demand for goods and services.	N/A	This condition falls outside this audit scope/period (June 2023 - June 2024). No construction, operation or decommissioning activities took place during the audit period.

5. SUMMARY OF THE PERFORMANCE ASSESSMENT

5.1. NON-COMPLIANCES

No non-compliances were raised in terms of Khwezela Umlalazi's compliance with the conditions of the Environmental Authorisation and Environmental Management Programme assessed in Section 4 of this Report.

5.2. RECOMMENDATIONS

In terms of Regulation 34(4) of the EIA Regulations (GN R984 of 2014), no recommendations are made to amend the Environmental Management Programme. Khwezela Umlalazi complies with the conditions of its Environmental Authorisation and Environmental Management Programmes.

6. CONTINUED IMPROVEMENT

The previous external environmental performance assessment was conducted at Khwezela Umlalazi on 21 July 2023 by NTC Group (Pty) Ltd for the annual period June 2022 – June 2023. Findings from the previous annual performance assessment (2022 - 2023) have been adequately addressed and no repeat findings were noted.

7. CONCLUSION

The audit team concludes that Khwezela Umlalazi complies with the conditions of the Environmental Authorisation and Environmental Management Programmes that were audited as part of the scope of the external environmental performance assessment (June 2023 to June 2024). Environmental management at Khwezela Umlalazi was found to be in a good state based on interviews, procedures and records that were availed during the assessment which govern the activities that take place at the site.

The the measures contained in the EA and EMPRs sufficiently provide for the avoidance, management and mitigation of environmental impacts associated with the undertaking of the project activities if adhered to.

Khwezela Umlalazi is commended on the proactive approach that is taken toward how it manages the environment within and surrounding its activities. The auditors would like to thank Khwezela Colliery for the cooperation extended and the open approach to the performance assessment.

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- Final Environmental Impact Assessment Report for the proposed relocation of a Dragline from the Kromdraai section to Navigation Section of Anglo Operations (PTY) LTD'S Landau Colliery, Mpumalanga Province Anglo Operations (Pty) Ltd DMR Reference: MP / 30/1/2/3/2/1 (306 EM) December 2016
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- App 4A(ii)_EMP Alignment approval. Approval of the Environmental Management Programme amendment for Anglo American thermal coal (Landau Colliery) in respect of various portion of farm Blaauwkrans 323 JS and others, situated in the magisterial district of Emalahleni: Mpumalanga region.
- App 4C_Khwezela Lifex WUL 5 June 2017. Licence in terms of section 40 of the National Water Act, 1998 (ACT NO 36 OF 1998) (THE ACT).
- 16.08.2018_Clarification Note re Blaauwkrans Co-disposal Facility. Request for clarification: Blaauwkrans Dump Extension – Waste Management Licence
- Proof of payment DMR Khwezela Part 1 admin fee.
- App 5a(i)_cover letter. Application in terms of section 29 of the National Environmental Management Act (Act 107nof 1998) Environmental impact assessment 2014 regulations (GNR 982) for an amendment in terms of sections 29 and 30 for Khwezela Colliery's previously approved navigation Life Extension project (MP (30/5/1/2/2(306) MR)
- App 5a NavigationLifex_Unshed_DMR_Final_2018. Closure Cost Determination for the Navigation Lifex Project using DMR Master Rates in January 2018 DMR Master Rates in January 2018
- Env Authorisation application form_17082018_final for printing. Application form for Environmental Authorisations in terms of the National Environmental Management Act, 1998 and the National Environmental Management Waste Act, 2008 in respect of listed activities that have been triggered by applications in terms of the Mineral and Petroleum Resources Development ACT, 2002 (MPRDA) (AS AMENDED).

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- MIA-Clean stormwater deflection berm and out-off drain layout, typical cross section and setting out details. DRG No. 761-MIA-CED-DRW-130
- Western pollution control dam- Layout and setting out. DRG No. 761-MIA-CED-DRW-267
- Anglo American Coal South Africa specialist surface water report for the Khwezela Colliery – LifeX Project - Navigation section report No.: JW121/17/F983 – Rev 1 October 2017
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- Eastern pollution control dam- Layout and setting out. DRG No. 761-MIA-CED-DRW-269
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- Khwezela Lifex – Navigation Pit Project Eastern Pollution Control Dam – Technical Motivation as to change in Dam Layout Background
- Lapp 5e_andau Environmental Guarantee. Financial guarantee for the rehabilitation of land disturbed by mining (Execution of Environmental Management Plan/ Programme). Date: 27 July 2007. Guarantee Number: G0657/0383212/GLO
- Alexander Forbes Investments Unit Trusts: investment statement for the period 29 November 2017 to 31 December 2017 Summary for the period 29 November 2017 to 31 December 2017.
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- Application in terms of section 29 of the National Environmental Management Act (Act 107 of 1998) Environmental Impact Assessment 2014 Regulations (GNR 982) for an amendment in terms of sections 29 and 30 for Khwezela Colliery’s previously approved Navigation Life Extension project (MP (30/5/1/2/2(306) MR).
- Closure Cost Determination for the Navigation Lifex Project Using DMR Master Rates in January 2018 DMR Master Rates
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- Part C3 EIAMAP Decommissioning Phase final to printout. Revised August 2018, final November 2018
- Part B: Environmental Management Programme report. Revised August 2018, final November 2018
- Part C2 EIAMAP Operational Phase final to printout. Revised August 2018, final November 2018
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- App B7 Nav PCD licence to decommission 2020. Licence to decommission a dam with a safety risk issued in terms of chapter 12 of the National Water Act, 1998 (Act 36 of 1998), read with regulations 40 to 44(2) of the regulations published in government notice R. 139 OF 24 February 2012: Navigation pollution control dam situated on the farm Blaauwkrans 323 JS, district of Witbank.
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- Safety Data Sheet (SDS) Oxygen Please ensure that this SDS is received by the appropriate persons Review Date: 18/07/2022 v01 Emergency: 0860 02 02 02 Document Number: AFX-SDS-0004
- Safety Data Sheet (SDS) Acetylene Please ensure that this SDS is received by the appropriate persons Review Date: 18/07/2022 v01 Emergency: 0860 02 02 02 Document Number: AFX-SDS-0003
- Safety Data Sheet Azolla ZS 100 SDS # : 086193
- Cusal Proprietary Limited Reg Nr 2017/300041/07 Vat Number 4500293669 Material Safety Data Sheet Calcium Carbonate
- Safety Data Sheet ES Complete EG premix. LT16587 EU
- Penetone Navee 42 Safety Data Sheet according to Regulation (EU) 2015/830 Issue date: 6/7/2021 Revision date: 6/7/2024 Supersedes version of: 2/11/2020.
- Material Safety Data Sheet product: Multi-Degreaser
- Safety Data Sheet Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II Sunlight Dishwashing liquid – Original.
- Material Safety Data Sheet Substance: Magnetite. Chemical Names and Synonyms: Black Iron Oxide; Magnetic Iron Oxide; Ferrous Ferric Oxide
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- Email From Cebekulu, Nokuthula to Depa Siphokazi; Mudau Takalani Cecilia- Site Inspection Action Plan.
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- Note for the record - annual financial statements cover letter. 23 April 2024
- Thungela Operations (Pty) Ltd: Khwezela North Colliery: Closure Liability Report 2023. Report date: 10/31/2023. DMRE Reference: MP 30/5/1/2/3/2/1 (306) EM. Report Reference: THU-COA-22-11-11.
- Khwezela Navigation - paperwork for January, February, and April 2024.
- Water Care Works Registration. Date 2010/08/12.
- Thungela Operations (Pty) Limited Internal Water Use Licences Audit Report Khwezela Navigation Colliery License number: 04/B20G/ABCGIJ/1498; 06/B11K/ACGIJ/5335; 06/B11K/CGI/7598 2-6th of October 2023 Date of Final report: 23 October 2023

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- Tshepang Letter of Appointment Plant Eng. Appointment letter for engineer appointed in terms of section 7(4) and regulation 2.13.6.1 Khwezela Navigation plant section engineer.
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APPENDIX A
AUDITOR DECLARATION

ENVIRONMENTAL PRACTITIONER'S DECLARATION:

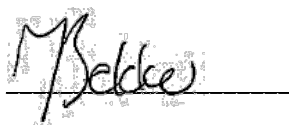
I, TANJA BEKKER, DECLARE THAT –

- I act as an Independent Environmental Practitioner conducting the Environmental Performance Assessment.
- I will perform the work relating to the Performance Assessment in an objective manner, even if this results in views and findings that are not favourable to the auditee.
- I declare that there are no circumstances that may compromise my objectivity in performing such work.
- I have expertise in conducting Environmental Performance Assessments and Environmental Compliance Audits, including knowledge of the National Environmental Management Act (NEMA) (Act 107 of 1998), the Mineral and Petroleum Resources Development Act (MPRDA) (Act 28 of 2002), the Environmental Impact Assessment (EIA) Regulations (GN R982 of 2014), as amended, and legal and other requirements that may have relevance to the proposed activity.
- I will comply with the NEMA (Act 107 of 1998), the MPRDA (Act 28 of 2002), the EIA Regulations (GN R982 of 2014), and all applicable legal and other requirements.
- I have not and will not engage in conflicting interests in the undertaking of the activity.
- I will provide the Competent Authority with access to all information at my disposal regarding the Performance Assessment, whether such information is favourable to the auditee or not.
- I will perform all other obligations as expected from an Environmental Practitioner in terms of the NEMA (Act 107 of 1998) and EIA Regulations (GN R982 of 2014).
- I realise that a false declaration is an offence in terms of Regulation 48 of the EIA Regulations (GN R982 of 2014), as amended, and is punishable in terms of Section 24F of the NEMA (Act 107 of 1998).

DISCLOSURE OF VESTED INTEREST –

I do not have and will not have any vested interest (either business, financial, personal or other) in any activity other than remuneration for work performed in conducting an Environmental Performance Assessment in terms of the EIA Regulations (GN R982 of 2014), as amended.

SIGNATURE:



COMPANY:

NTC GROUP (PTY) LTD

DATE:

06 DECEMBER 2024

ENVIRONMENTAL PRACTITIONER'S DECLARATION:

I, MARY-ANNE CARTER, DECLARE THAT –

- I act as an Independent Environmental Practitioner conducting the Environmental Performance Assessment.
- I will perform the work relating to the Performance Assessment in an objective manner, even if this results in views and findings that are not favourable to the auditee.
- I declare that there are no circumstances that may compromise my objectivity in performing such work.
- I have expertise in conducting Environmental Performance Assessments and Environmental Compliance Audits, including knowledge of the National Environmental Management Act (NEMA) (Act 107 of 1998), the Mineral and Petroleum Resources Development Act (MPRDA) (Act 28 of 2002), the Environmental Impact Assessment (EIA) Regulations (GN R982 of 2014), as amended, and legal and other requirements that may have relevance to the proposed activity.
- I will comply with the NEMA (Act 107 of 1998), the MPRDA (Act 28 of 2002), the EIA Regulations (GN R982 of 2014, and all applicable legal and other requirements.
- I have not and will not engage in conflicting interests in the undertaking of the activity.
- I will provide the Competent Authority with access to all information at my disposal regarding the Performance Assessment, whether such information is favourable to the auditee or not.
- I will perform all other obligations as expected from an Environmental Practitioner in terms of the NEMA (Act 107 of 1998) and EIA Regulations (GN R982 of 2014).
- I realise that a false declaration is an offence in terms of Regulation 48 of the EIA Regulations (GN R982 of 2014), as amended, and is punishable in terms of Section 24F of the NEMA (Act 107 of 1998).

DISCLOSURE OF VESTED INTEREST –

I do not have and will not have any vested interest (either business, financial, personal or other) in any activity other than remuneration for work performed in conducting an Environmental Performance Assessment in terms of the EIA Regulations (GN R982 of 2014), as amended.

SIGNATURE:



COMPANY:

NTC GROUP (PTY) LTD

DATE:

06 DECEMBER 2024

APPENDIX B
AUDITOR CURRICULUM VITAE



Tanja Bekker

Company: NTC Group (Pty) Ltd
Environmental Lead Auditor
Mobile: +27 82 412 1799
Email: tanja@ntcgroup.co.za

BRIEF PROFILE

Ms. Tanja Bekker has more than 21 years' working experience in the Environmental Consultancy and Auditing Industry. Her key focus is compliance audits, environmental performance assessments, environmental management, and environmental licensing, with extensive experience in the mining industry. Project Management and Coordination form a critical component of her duties, which include environmental gap analysis, project planning, initiation of projects, client, authority and stakeholder consultation, specialist coordination, budget control, process control, quality control and timeframe management.

PROFESSIONAL QUALIFICATIONS

2002	University of Johannesburg	B.Sc. Earth Sciences
2003	University of Johannesburg	B.Sc. Geography Cum Honours
2004	University of Johannesburg	M.Sc. Environmental Management

CAREER ENHANCING COURSES

- ISO 14000 Lead Auditors Course (WTH Management)
- Certificate in Project Management (Pretoria University)
- Management Advance Programme (MAP 81) (Wits Business School)
- Certificate in Customer Service Excellence (Pretoria University Enterprises)
- IWRM, the NWA and Water Use Authorisations (Carin Bosman Sustainable Solutions)

CAREER ENHANCING COURSES

- Registered Environmental Assessment Practitioner of South Africa (EAPASA)
- Certified ISO 14001 Environmental Management System Auditor
- Registered as a Professional Natural Scientist (SACNASP),
- Member of the South African affiliate of the International Association for Impact Assessment
- Member of the Environmental Law Association of South Africa (ELA).

**Mary-Ann Carter**

Company: NTC GROUP (Pty) Ltd

Environmental Consultant

Mobile: +27 71 546 0937

Email: mary-ann@ntcgroup.co.za**BRIEF PROFILE:**

Mary-Ann is an Environmental Consultant with fourteen years of experience in environmental management and sustainability. She started her career in 2009 as an Environmental Scientist, during which she focused on environmental applications (EIA, BAs Waste Licenses, and Air Emissions Licenses etc.) as well as conducting largescale environmental training. Due to her proficiency in Environmental Auditing, she worked as an Auditor from 2012, conducting various audits throughout the country.

Mary-Ann moved into the industrial sector in 2014, where her role has since been to facilitate onsite environmental management: identifying environmental impacts; implementing management systems and improvement plans; monitoring, analysis and continual improvement; environmental legal compliance; and identification of sustainable solutions and projects.

PROFESSIONAL QUALIFICATIONS:

2018	University of Johannesburg	Master of Science in Environmental management
2012	Nelson Mandela Metropolitan University	Bachelor of Science Honours in Environmental Management
2007	Nelson Mandela Metropolitan University	Bachelor of Science in Environmental Geography

CAREER ENHANCING COURSES:

2020	ISO 45001:2018 Understanding & Implementation (SABS)
2010	Assessor Training: USID 115753 (Team Consultants)
2010	Facilitator Training: USID 117871 (Team Consultants)
2010	SETA Internship: Project Management (SETA)

PROFESSIONAL AFFILIATIONS

SACNASP: Pr.Sci.Nat. 126835