



# **KHWEZELA COLLIERY: NAVIGATION**

## **EXTERNAL ENVIRONMENTAL PERFORMANCE ASSESSMENT REPORT 2024 – 2025**

*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: 12-16 May 2025**

**DARDLEA REFERENCE:  
(REF: 17/2/3N-343 DATED 19 APRIL 2016)**

**DMRE ENVIRONMENTAL AUTHORISATION REF:  
(REF: MP 30/5/1/2/3/2/1 (306) (EM) DATED 03 OCTOBER 2014)  
(REF: MP 30/1/1/2/3/2/1 (306) (EM) DATED 06 OCTOBER 2016)  
(REF: (MP) 30/1/2/3/2/1 306 (EM) DATED DECEMBER 2016)**

**PREPARED BY:**

NTC GROUP (PTY) LTD  
CDH BUILDING  
1 PROTEA PLACE  
SANDTON  
2031  
TEL: +27 11 568 4701  
EMAIL: teboho@ntcgroup.co.za

**PREPARED FOR:**

KHWEZELA COLLIERY  
PO BOX 1521  
SAXONWOLD  
2132  
SOUTH AFRICA  
TEL: 013 691 5532  
EMAIL: nokuthula.cebekulu@thungela.com

## DOCUMENT CONTROL

### VERSION CONTROL

NO.	AUTHOR	CHANGES	DATE
0.1	Zwivhuya Ratshilingani	Compile Report	24.11.2025
0.2	Teboho Motinyane	Review Report	15.11.2025
0.3	Nokuthula Cebekulu	Authorise Report	

### REQUIRED APPROVAL

NAME	POSITION	DATE
Nokuthula Cebekulu	Khwezela Navigation: Environmental Superintendent	

### DISTRIBUTION LIST

NAME	EMAIL ADDRESS
Nokuthula Cebekulu	<a href="mailto:nokuthula.cebekulu@thungela.com">nokuthula.cebekulu@thungela.com</a>
Nadine Joubert	<a href="mailto:nadine.joubert@thungela.com">nadine.joubert@thungela.com</a>
Kgaowelo Moshokwa	<a href="mailto:kgaowelo.moshokwa@thungela.com">kgaowelo.moshokwa@thungela.com</a>

### RELATED DOCUMENTS

NO.	DOCUMENT	DATE
0.1	Environmental Authorisation for the proposed Landau Colliery Lifex Extension Project, on Portions 0, (RE) of Farm Schoongezicht 308 JS, T3830/ 1992, Portion 0 (RE), 15 and 21 of the Farm Blaauwkrans 323 JS, Emalahleni Local Municipality, Mpumalanga Province issued by Department of Agriculture, Rural Development, Land and Environmental Affairs (Ref No. 17/2/3N-343)	19.10.2016
0.2	Environmental Authorisation issued in terms of the National Environmental Management Act, 1998, (NEMA) for the Relocation of a Dragline Excavator from the Kromdraai Section to Navigation Section of Anglo Operations (Pty) Ltd Landau Colliery (DMRE Ref. No. (MP) 30/1/2/3/2/1 306 (EA)).	12. 2016
0.3	Aligned Environmental Management Programme for of Anglo Operations (Pty) Ltd Landau Colliery Situated in the Magisterial District of Emalahleni: Mpumalanga Region (DMRE Ref. No. MP 30/5/1/2/3/2/1 (306) (EM)).	03.10.2014
0.4	Environmental Management Programme for impacts for Landau Colliery Lifex Extension Project (DMRE. Ref No. MP 30/1/1/2/3/2/1 (306) (EM)).	06.10.2016
0.5	Environmental Management Programme for the Relocation of a Dragline from the Kromdraai Section to Navigation Section of Anglo Operations (Pty) Ltd Landau Colliery (DMRE Ref. No. (MP) 30/1/2/3/2/1 306 (EM)).	12. 2016

## **DISCLAIMER AND TERMS OF USE**

This document has been prepared by NTC Group (Pty) Ltd with reasonable skill, care, diligence and due consideration of the manpower, timeframes and resources assigned to it in terms of their appointment by Thungela Resources (Pty) Ltd (the client) to carry out part or all of the services. It is subject to the terms and conditions of that appointment. NTC Group (Pty) Ltd shall not be liable for the use of, or reliance on any information, advice, recommendations or opinions in this document for any purpose and by any person other than the client. Reliance may be granted to a third party only if NTC Group (Pty) Ltd and the third party have executed a reliance agreement or collateral warranty.

Information reported herein may be based on the interpretation of public domain data collected by NTC Group (Pty) Ltd, and/or information supplied by the client and/or its advisors and associates. This data has been accepted in good faith as being accurate and valid.

NTC Group (Pty) Ltd disclaims any responsibility to the client and others in respect of any matters outside the agreed scope of the work. The copyright and intellectual property in all drawings, reports, specifications, bills of quantities, calculations and other information set out in this report remain vested in NTC Group (Pty) Ltd, unless the terms of appointment state otherwise.

This document may contain information of a specialised and/ or highly technical nature and the client is advised to seek clarification on any elements which may be unclear to it. Information, advice, recommendations and opinions in this document should only be relied upon in the context of the whole document and any documents referenced explicitly herein and should then only be used within the context of the appointment.

## TABLE OF CONTENTS

<b>NO.</b>	<b>DESCRIPTION</b>	<b>PAGE NO</b>
1.	<b>INTRODUCTION</b> .....	1
1.1.	KHWEZELA COLLIERY .....	1
2.	<b>PERFORMANCE ASSESSMENT TERMS OF REFERENCE</b> .....	4
2.1.	MINERAL AND PETROLEUM RESOURCES DEVELOPMENT REGULATIONS (GN R527 OF 23 APRIL 2023)4	
2.2.	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS (GN R982 OF 04 DECEMBER 2014) .....	4
2.3.	KHWEZELA NAVIGATION ENVIRONMENTAL AUTHORISATIONS .....	5
2.4.	KHWEZELA NAVIGATION ENVIRONMENTAL MANAGEMENT PROGRAMMES .....	5
2.5.	ASSUMPTIONS AND LIMITATIONS .....	6
3.	<b>PERFORMANCE ASSESSMENT DETAILS</b> .....	7
3.1.	AUDIT TEAM .....	7
3.2.	PERFORMANCE ASSESSMENT METHODOLOGY .....	7
3.3.	PERFORMANCE ASSESSMENT SCOPE .....	9
4.	<b>PERFORMANCE ASSESSMENT RESULTS</b> .....	10
5.	<b>SUMMARY OF THE AUDIT FINDINGS</b> .....	101
5.1.	NON-COMPLIANCES.....	101
5.2.	ACTIONS TO ADDRESS THE NON-COMPLIANCES.....	101
5.3.	RECOMMENDATIONS TO AMMEND CERTAIN CONDITION.....	101
6.	<b>CONTINUAL IMPROVEMENT</b> .....	105
7.	<b>CONCLUSION</b> .....	106
8.	<b>REFERENCES</b> .....	107

## LIST OF FIGURES

## LIST OF TABLES

Table 1: Details of the Audit Team .....	7
Table 2: Assessment Criteria .....	8
Table 3. Aligned EMPR (Ref. No. MP 30/5/1/2/3/2/1 (306) (EM) approved 03 October 2014.....	11
Table 4. Environmental Authorisation (Ref No. 17/2/3N-343) on 19 April 2016.....	47
Table 5. EMPR (Ref. MP 30/1/1/2/3/2/1 (306) (EM) approved 06 October 2016.....	51
Table 6. Environmental Authorisation (Ref. (MP) 30/1/2/3/2/1 306 (EM) dated December 2016.....	80
Table 7. EMPR (Ref. (MP) 30/1/2/3/2/1 306 (EM) dated December 2016 .....	87
Table 8. Summary of Non-Compliances and Action Plan.....	102

## LIST OF APPENDICES

APPENDIX A: Auditors Declaration

APPENDIX B: Auditors Curriculum Vitae

# 1. INTRODUCTION

Thungela Resources (Pty) Ltd (Thungela) is a South African thermal coal producer supplying primarily the Indian, Asian, Southeast Asian, Middle Eastern, and North African markets. The company operates eight mining operations, comprising opencast mines at Isibonelo, Khwezela, and Mafube, and underground mines at Zibulo, Greenside, Goedehoop, and Elders (currently under construction). Thungela Services Operation also provides a range of support services to these mining operations.

Thungela has appointed NTC Group (Pty) Ltd as an independent Environmental Practitioner to conduct the annual external environmental performance assessment. This assessment is undertaken 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 (GN R527 of 23 April 2004), as amended. The purpose of the assessment is to evaluate compliance with the Environmental Authorisations (EA) and Environmental Management Programmes (EMPr) issued to Thungela's operations.

## 1.1. KWEZELA COLLIERY

Khwezela Colliery, a member of Thungela and part of the South African Coal Estate Complex, is located approximately 120 km east of Johannesburg and 22 km west of the eMalahleni Local Municipality, within the Nkangala District Municipality of Mpumalanga. Established in December 2016 through the merger of the Landau and Kleinkopje collieries, Khwezela Colliery operates as an opencast coal mine.

The operation consists of two main areas: the Khwezela Bokgoni Colliery (formerly Kleinkopje) in the south and the Khwezela Navigation Colliery (formerly Landau) in the north. The Navigation Colliery is further divided into the Navigation Life Extension, Schoongezicht, Umlalazi (formerly Navigation West), and Kromdraai sections (see Figure 1).

Currently, only the Navigation Life Extension section remains active. Mining activities have ceased in the Schoongezicht, Umlalazi, and Kromdraai sections of the Navigation Colliery, as well as in the Khwezela Bokgoni Colliery. These non-operational areas are collectively referred to as the Khwezela Closing Collieries and are presently under care and maintenance.

### 1.1.1. Khwezela Navigation Colliery

Khwezela Navigation Colliery is located approximately 1 km east of Clewer and 6 km south-west of eMalahleni (formerly Witbank) (refer to Figure 1). The Navigation Coal Beneficiation Plant initially processed coal exclusively from the Kromdraai Section and the North mini-pit of the Schoongezicht Section. Mining activities at the Schoongezicht Section ceased in July 2015, followed by the Kromdraai Section in 2018. Rehabilitation of the Kromdraai Section is currently underway, while the Schoongezicht Section has already been fully rehabilitated.

A Navigation Life Extension project was launched in 2018, resulting in the development of the Navigation Pit, where active opencast mining began in 2019. Coal extracted from this pit is processed at the Navigation Coal Beneficiation Plant, and the associated waste is disposed of at the Blaauwkraans Co-disposal Facility.

The key features of the current opencast mining and related activities at the Khwezela Navigation Section include:

1. Opencast Operations: Ongoing mining is taking place in Pits A and B of the Navigation Pit, with Pit C earmarked for future extraction. Activities involve coal removal through methods such as pre-strip and dragline operations.
2. Coal Processing Plant: This facility processes the raw coal, removes impurities, and prepares the product for transport and sale.
3. Blaauwkraans Co-disposal Facility and Old Navigation Discard Facility: These facilities manage waste generated during mining and coal processing. Blaauwkraans serves current disposal needs, while the Old Navigation Discard Facility handled waste in the past.
4. Overland Conveyor: An overland conveyor links the Navigation Beneficiation Plant with the Rapid Loading Terminal, enabling the efficient transport of processed coal for rail distribution.
5. Surface Water Management System: The operation includes infrastructure to manage and control surface water, mitigate runoff impacts, and prevent environmental degradation.

Together, these components enable the effective extraction, processing, and transportation of coal within the Khwezela Navigation Colliery.

This report presents the Performance Assessment Report (PAR) for Khwezela Navigation Colliery. It evaluates compliance with the conditions of the Environmental Authorisations (EAs) and Environmental Management Programmes (EMPrs) applicable during the current assessment period (June 2024 – June 2025) and assesses the effectiveness of mitigation measures implemented to manage environmental impacts associated with authorised activities.

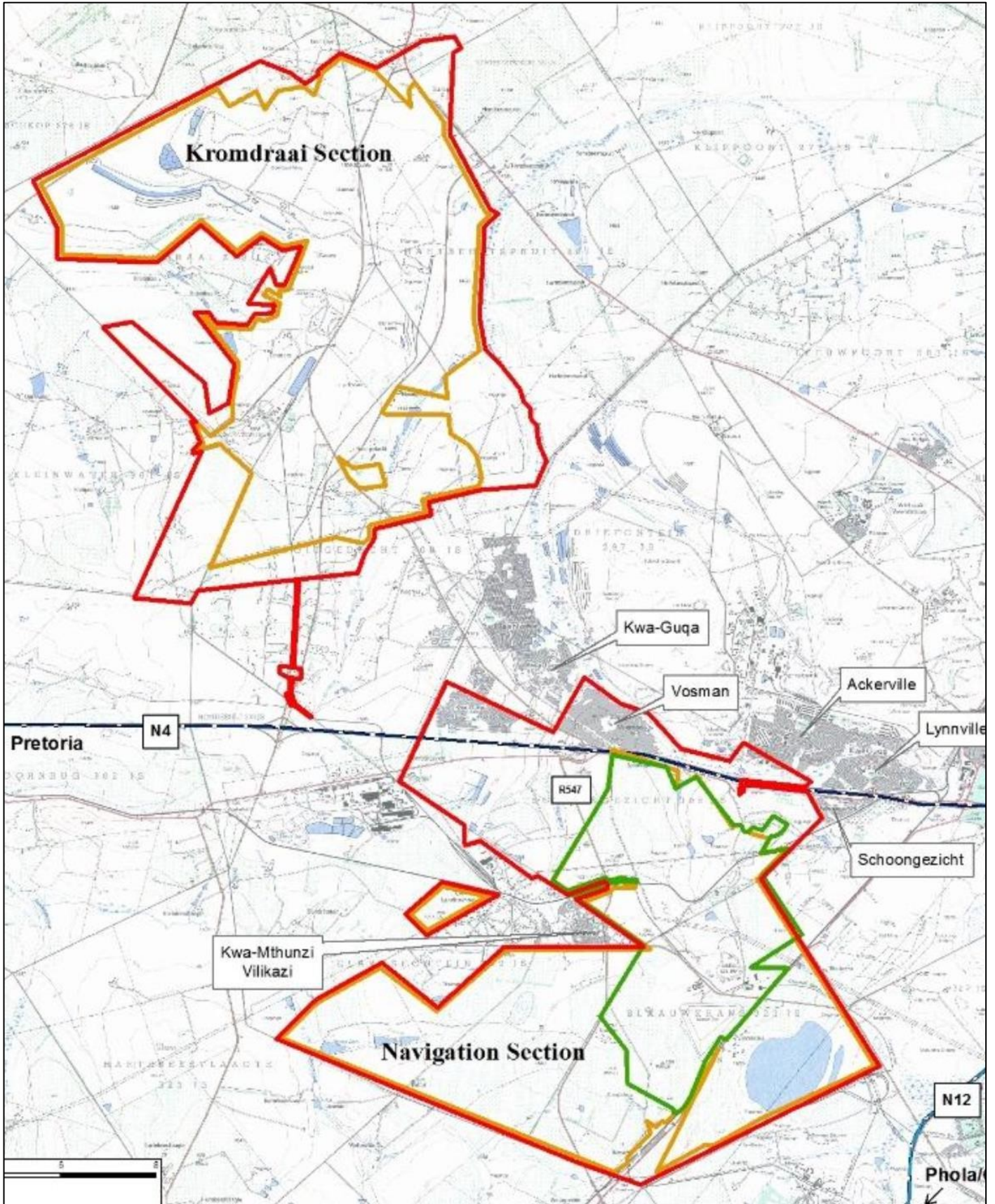


Figure 1. Topographic Map of the Khwezela Navigation Colliery (outlined in red)

## **2. PERFORMANCE ASSESSMENT TERMS OF REFERENCE**

### **2.1. MINERAL AND PETROLEUM RESOURCES DEVELOPMENT REGULATIONS (GN R527 OF 23 APRIL 2004)**

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 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. Regulation 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 08 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 ICAPS must be notified on a public website within 7 days of submitting the report to the Competent Authority.

### **2.3. KHWEZELA NAVIGATION COLLIERY ENVIRONMENTAL AUTHORISATIONS**

The Environmental Authorisation issued to Khwezela Navigation Colliery 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 for the proposed Landau Colliery Lifex Extension Project, on Portions 0, (RE) of Farm Schoongezicht 308 JS, T3830/ 1992, Portion 0 (RE), 15 and 21 of the Farm Blaauwkrans 323 JS, Emalahleni Local Municipality, Mpumalanga Province issued by Department of Agriculture, Rural Development, Land and Environmental Affairs (Ref No. 17/2/3N-343) dated 19 April 2016).
2. Environmental Authorisation issued in terms of the National Environmental Management Act, 1998, (NEMA) for the Relocation of a Dragline Excavator from the Kromdraai Section to Navigation Section of Anglo Operations (Pty) Ltd Landau Colliery (DMRE Ref. No. (MP) 30/1/2/3/2/1 306 (EA) dated December 2016).

### **2.4. KHWEZELA NAVIGATION COLLIERY ENVIRONMENTAL MANAGEMENT PROGRAMMES**

The Environmental Management Programmes issued to Khwezela Navigation Colliery 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. Aligned Environmental Management Programme for of Anglo Operations (Pty) Ltd Landau Colliery Situated in the Magisterial District of Emalahleni: Mpumalanga Region (DMRE Ref. No. MP 30/5/1/2/3/2/1 (306) (EM) approved 03 October 2014).
2. Environmental Management Programme for impacts for Landau Colliery Lifex Extension Project (DMRE. Ref No. MP 30/1/1/2/3/2/1 (306) (EM) approved 06 October 2016).
3. Environmental Management Programme for the Relocation of a Dragline from the Kromdraai Section to Navigation Section of Anglo Operations (Pty) Ltd Landau Colliery (DMRE Ref. No. (MP) 30/1/2/3/2/1 306 (EM) dated December 2016).

## 2.5. ASSUMPTIONS AND LIMITATIONS

The scope of the performance assessment is to determine the level of Khwezela Navigation Colliery's compliance with the conditions of the EA and EMPs listed in Sections 2.3 and 2.4. above and the effectiveness of the mitigation measures provided in the EMP 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 Navigation Colliery.
- The assessment period is from June 202 to June 2025. 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 Navigation Colliery representatives may be called upon to provide information relating to specific activities within their respective areas.
- Khwezela Navigation Colliery's Life Extension is currently the only active and operational mining section. Mining operations have ceased at the Schoongezicht Section, Umlalazi Section and Kromdraai Section. Current activities related to construction, operation, decommissioning or closure may be applied as applicable or deemed as not applicable.
- Procedures developed by Khwezela Navigation Colliery 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 performance assessment at Khwezela Navigation Colliery are provided in Table 1. 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
<b>LEAD AUDITOR</b>	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 11 568 4701
		Fax: +27 86 665 1864
		Email: <a href="mailto:tanja@ntcgroup.co.za">tanja@ntcgroup.co.za</a>
<b>LEAD AUDITOR</b>	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 11 568 4701
		Fax: +27 86 665 1864
		Email: <a href="mailto:mary-ann@ntcgroup.co.za">mary-ann@ntcgroup.co.za</a>

### 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 Navigation Colliery and compiled a Request for Information (RFI) document which provided a list of documents and records required from Khwezela Navigation Colliery to verify compliance with the conditions of the EA and EMP. The RFI was submitted to Khwezela Navigation 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 Navigation Colliery’s EAs and EMPrs and used to assess compliance. The numbering in performance assessment checklists corresponds with the conditions of the EAs and EMPrs as far as possible, to allow for ease of reference.

### 3.2.2. Site Verification

A site assessment was conducted on 12-16 May 2025 and was attended by Tanja Bekker (NTC), Mary-Anne Carter (NTC), Nokuthula Cebekulu (Khwezela Navigation), Willenchia Snyders (Khwezela Navigation), and Caroline Perpermans (Pinsent Masons). During the site inspection, Khwezela Navigation Colliery’s personnel were interviewed and the following facilities/ areas in were inspected:

### 3.2.3. Assessment Methodology

NTC Group (Pty) Ltd assessed each condition of Khwezela Navigation Colliery’s EAs and the EMPrs 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
<b>COMPLIANT</b>	<b>C</b>	The current construction, operational, or decommissioning activities comply with the EA or EMPr conditions. Mitigation measures or commitment thereof have been achieved and evidence is provided in the form of a document or implementation onsite. No mitigation measures are required where operations comply.
<b>NON-COMPLIANT</b>	<b>NC</b>	The 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 has 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
<b>NOT APPLICABLE</b>	<b>N/A</b>	Assigned to EA or EMPr 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.
<b>TAKE NOTE</b>	<b>T/N</b>	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 Navigation Colliery'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 2024 – June 2025.
- The property boundaries of the Khwezela Navigation Colliery as shown in Figure 1.

## 4. PERFORMANCE ASSESSMENT RESULTS

This section provides results of performance assessment to verify compliance with the conditions of Khwezela Navigation Colliery'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 - Table 7:

<b>TABLE 3.</b>	Aligned Environmental Management Programme for Anglo Operations (Pty) Ltd, Landau Colliery Situated in the Magisterial District of Emalaheni: Mpumalanga Region (DMRE Ref. No. MP 30/5/1/2/3/2/1 (306) (EM)) dated 03 October 2014.
<b>TABLE 4.</b>	Environmental Authorisation for the proposed Landau Colliery Lifex Extension Project, on Portions 0, (RE) of Farm Schoongezicht 308 JS, T3830/ 1992, Portion 0 (RE), 15 and 21 of the Farm Blaauwkrans 323 JS, Emalaheni Local Municipality, Mpumalanga Province issued by Department of Agriculture, Rural Development, Land and Environmental Affairs (Ref No. 17/2/3N-343) dated 19 April 2016.
<b>TABLE 5.</b>	Environmental Management Programme for impacts for Landau Colliery Lifex Extension Project (DMRE. Ref No. MP 30/1/1/2/3/2/1 (306) (EM)) dated 06 October 2016.
<b>TABLE 6.</b>	Environmental Authorisation issued in terms of the National Environmental Management Act, 1998 (NEMA) for the Relocation of a Dragline Excavator from the Kromdraai Section to the Navigation Section of Anglo Operations (Pty) Ltd, Landau Colliery (DMRE Ref. No. (MP) 30/1/2/3/2/1 306 (EA)) dated December 2016.
<b>TABLE 7.</b>	Environmental Management Programme For The Relocation Of A Dragline From The Kromdraai Section To Navigation Section Of Anglo Operations (Pty) Ltd Landau Colliery (DMRE Ref. No. (MP) 30/1/2/3/2/1 306 (EM))

**TABLE 3. ALIGNED ENVIRONMENTAL MANAGEMENT PROGRAMME FOR OF ANGLO OPERATIONS (PTY) LTD LANDAU COLLIERY SITUATED IN THE MAGISTERIAL DISTRICT OF EMALAHLENI: MPUMPALANGA REGION (DMRE REF. NO. MP 30/5/1/2/3/2/1 (306) (EM) APPROVED 03 OCTOBER 2014)**

**OPERATIONAL PHASE**

**PROGRESSIVE DEVELOPMENT OF OPENCAST MINING**

**GEOLOGY**

1.1	Drilling and blasting will be conducted by a certified blasting technician where blasting techniques are localised to the footprint area of the boxcut only. However, while the footprint of the impact can be minimised, the destruction of the overlying strata is unavoidable.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.2	Blasting techniques used will specifically take into consideration the nearby location of the adjacent residential areas to ensure that possible vibrations do not influence any buildings in terms of cracks.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.3	Blasting will be conducted by a certified blasting technician in accordance with specialised and localised blasting techniques in order to prevent any possible impact on surrounding or underlying geological strata.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

**TOPOGRAPHY**

1.4	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 the scope of the audit period (June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.5	Topsoil stockpiles will be limited to 3 m in height and will be vegetated to prevent erosion of the topsoil from occurring.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

1.6	Subsoil and overburden stockpiles will be limited to 9 m in height.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.7	Topsoil and subsoil stockpiles will be placed in pre-designated areas, with their footprint areas being minimised.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.8	Opencast mining, and therefore the resultant topographical changes, will be confined to the approved pre-planned mining areas.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.9	Rehabilitation of the opencast mining area will be conducted concurrently with mining. Open cuts will be minimised to between 3 and 5 cuts 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 the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.10	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 the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.11	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.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.12	The final landscape configuration of the rehabilitated mined area will conform to the pre-planned post-topographical model, which has taken into account the depth of coal removed, the bulking ratio of the overburden replaced in the pit(s), and the Closure objectives for each mining area.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.13	No mitigation is necessary. Opencast mining will alter the surface and underlying strata in the pre-designated mining areas, removing the sinkholes, thereby eliminating the associated safety and biophysical hazards. The change in topography would be further enhanced once rehabilitation of the mined out open voids has been completed.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

SOILS			
1.14	The removal of vegetation will be restricted to the pre-designated mining areas only.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.15	Unnecessarily exposed soil will be re-vegetated as soon as practicable, or where this is not possible or feasible, the soil will be stripped and stockpiled for later use during rehabilitation.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.16	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 the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.17	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 the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.18	Topsoil and subsoil will be stockpiled separately, according to the soil utilisation guide.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.19	Stockpiles will vegetated as soon as practicable to try and maintain the microbial components in the soils and minimize erosion.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.20	Soil stockpiles will not exceed 3 m in height in order to maintain optimal soil structure and function.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

1.21	Compaction of soils will be prevented by restricting movement of vehicles near stockpiles and opencast areas to designated pathways. Furthermore, no vehicles will be allowed on the topsoil or subsoil stockpiles other than the equipment required for the reuse of the stockpiled topsoil for rehabilitation.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.22	The conditions of the environmental Authorisation (under NEMA, 1998) granted to Landau Colliery for the storage of fuel above ground at the Navigation West Section will be adhered to.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.23	Spillages of carbonaceous materials, hydrocarbons or other contaminating substances on soil will be prevented, but where such events do occur, the spilled material and affected soil will be cleaned up immediately in accordance with the Khwezela Navigation Colliery Emergency Procedure, and the soil will be rehabilitated.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
<b>LAND CAPABILITY</b>			
1.24	Soil will be managed as stipulated in No.1.13 to 1.21 above, which will indirectly mitigate the impacts on land capability.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
<b>LANDUSE</b>			
1.25	Soil will be managed as stipulated in No.1.13 to 1.21 above, which will indirectly mitigate the impacts on land capability.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
<b>VEGETATION</b>			
1.26	Vegetation stripping will be limited to areas where opencast mining will take place.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

1.27	Vegetation stripping will be limited to areas where opencast mining will take place.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.28	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 the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.29	Vegetation stripping will be limited to areas where opencast mining will take place.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.30	The removal of the maize and concurrent rehabilitation of mined out voids to grazing will result in the rehabilitated opencast area becoming available for vegetation with grassland species, which will increase the species diversity and ensure that the rehabilitated area resembles the surrounding grasslands.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.31	Ensure that the conservation management plan for the selected off-site sensitive landscape to be conserved is implemented efficiently, since the on-site pan will be destroyed.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.32	Management of soil and surface water will contribute towards the minimisation of possible impacts on threatened species.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

1.33	Conservation and research institutions such as the National Botanical Gardens and South African National Biodiversity Institute in Pretoria will be contacted to collect plant material that June be of conservation, horticultural or research interest prior to the commencement of mining activities in any of the wetlands (e.g. a Kniphofia species, which is probably Kniphofia ensiifolia subsp ensiifolia but was not in flower at the time of the survey, was recorded in the marsh grassland vegetation unit near the unnamed tributary of the Grootspuit to the south east of the site).	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.34	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 the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.35	Implementation of dust control measures (refer to No.1.88) will indirectly minimise such impacts on surrounding vegetation.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
<b>ANIMAL LIFE</b>			
1.36	A walkover of the next open cut will be conducted ahead of the stripping of vegetation and topsoil to relocate any animals that have not migrated away, to suitable habitat elsewhere on site.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.37	Activities will be limited to the pre-designated mining path and haul roads, and rehabilitation of mined out open pits will be conducted so that the mining window will be kept between 3 and 5 cuts.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.38	The mine's environmental awareness programme will continue to educate employees and contractors of the ecological value of animal life and the necessity for a balance between development and conservation, and to inform them of the mine's no-poaching policy.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

1.39	A warning and punishment system will be implemented where workers discovered poaching or moving heavy vehicles and equipment outside of predetermined pathways and designated areas will be implemented to discourage such behaviour.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.40	Safety measures designed to keep humans away from the mining area will also discourage animals from approaching the open pits. Also, noise and vibration associated with the opencast mining will contribute to keeping animals away from the pits. However, should an animal become trapped in the pits (with the exception of pest species), the animal will be rescued with as little damage or injury as possible, and treated to recovery, before being released into adjoining suitable habitat.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.41	A study will be conducted by a suitably qualified person to determine whether or not the Grass Owls ( <i>Tyto capensis</i> ) that were identified during the wetland study (refer to Appendix F5.1), form part of a viable breeding colony of the mentioned species. If the population of Grass Owls is proven not to be a viable breeding population, a plan will be developed by a suitably qualified person for the relocation of the owls, in conjunction with the relevant Authority, and the owls will be relocated to suitable habitat elsewhere, during the Operational Phase of the North Block, prior to the commencement of the Construction Phase of the South Block.  However, if it is found that the mentioned Grass Owls form part of a viable breeding population, consideration should be given to the implementation of the 'No Project' option for the South Block.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.42	Activities will be limited to the pre-designated mining path and haul roads, and rehabilitation of mined out open pits will be conducted so that the mining window will be kept between 3 and 5 cuts.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.43	Implementation of soil and surface water management measures will indirectly minimise such impacts on aquatic habitat and biota in the receiving watercourses.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

1.44	Implementation of soil, surface water and groundwater management measures will indirectly minimise such impacts on aquatic habitat and biota in the receiving watercourses.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.45	Ensure that the conservation management plan for the selected off-site sensitive landscape to be conserved is implemented efficiently, since the on-site pan will be destroyed.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
<b>SURFACE WATER: GENERAL</b>			
1.46	Management of surface water at Landau Colliery will be undertaken in accordance with the DWA's hierarchy of decision taking, and the most recent best practice guidelines provided by the DWA.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.47	The commitments contained in the Integrated Water and Waste Management Plan will be adhered to.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.48	If a Water Use Licence is granted to Landau Colliery under Chapter 4 of the NWA, 1998, the conditions of the Licence will be implemented.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.49	Auditing of compliance with the IWWMP commitments (and if a WUL is granted, to the conditions of the Licence) will be conducted regularly in accordance with the timeframes set by the DWA or committed to the IWWMP.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.50	All new infrastructure will be designed to comply with GN 704, 1999, under the NWA, and where existing infrastructure does not comply, Exemption will be sought or the infrastructure will be upgraded accordingly, where applicable.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

1.51	Activities will be limited to the pre-designated mining path, and rehabilitation of mined out open pits will be conducted so that the mining window will be kept between 3 and 5 cuts.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
<b>SURFACE WATER QUANTITY AND FLOW</b>			
1.52	Direct rainfall captured in the open pits will be re-used at the mine, and will reduce the need to import raw water, thereby reducing the overall impact on catchment yield.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.53	Clean water will be diverted around the opencast mining area by infrastructure designed to comply with the requirements of the applicable legislation (e.g. GN 704, dated 1999, under the NWA, 1998).	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.54	The surface diversion berms and drains will be kept free from any obstructions (debris) to ensure that the efficiency is not affected. Changes to the layout of the storm water control measures will be implemented, if required, to accommodate actual conditions and to enhance the efficiency of the management system.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.55	Repair of damages due to erosion and scouring of areas should be performed following storm events. Normal continuous maintenance throughout life of mine will also be performed for all slopes, berms and points of discharge (i.e. clearing of silts and sediments washed into drains, erosion marks will be filled up again, berms will be kept intact, etc.).	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.56	Activities will be limited to the pre-designated mining path, and rehabilitation of mined out open pits will be conducted so that the mining window will be kept between 3 and 5 cuts.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.57	Rehabilitation of mined out open pits will be conducted so that the mining window will be kept between 3 and 5 cuts.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
<b>SURFACE WATER QUALITY</b>			

1.58	Stripping ahead of mining will be sequenced with the subsequent mining activity in such a manner as to minimise the period during which the stripped soil would be exposed before being placed live on rehabilitated areas or stockpiled.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.59	Stripped areas will be isolated with berms or other appropriate infrastructure.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.60	Silt laden runoff from stripped areas will be intercepted and settled before being allowed to drain into the receiving environment.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.61	Contaminated surface water, such as direct rainfall entrapped in the open pits, will be contained and re-used in the dirty water management system.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.62	The areas containing carbonaceous materials associated with the progressing opencast voids will be separated and isolated by means of berms and cut-off trenches to contain affected water and to maximise the diversion of clean surface water runoff past these areas.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.63	Contact time between entrapped surface water and carbonaceous material in the pits will be minimised by removing such water collected in the pits as soon as possible after rainfall events. This will minimise the extent of contamination of the water in the pits.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.64	Continuous managing, improvement and monitoring of the water balances will be undertaken to identify risk areas and excess water volumes, and for reporting on conditions on a monthly base.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.65	Contaminated surface water will not be allowed to flow or be intentionally discharged to the receiving environment without being treated first, and without the applicable authorisations.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

1.66	Implementation of soil mitigation measures will reduce the potential for secondary contamination of surface water runoff.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.67	Runoff in the pits will be kept within the isolated dirty water management area, which will significantly reduce the potential for such contaminated water to reach the receiving environment.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.68	Hydrocarbons will be removed from the water in the dirty water management system before the water is re-used, or treated before being released to the receiving environment under the applicable authorisation(s).	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
<b>SURFACE WATER: FLOODING</b>			
1.69	To enable opencast mining of the remaining coal reserves to continue efficiently and safely, the stored flood water will be removed, although kept within the dirty water management system until it is treated before reuse or authorised discharge.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.70	The flood water will be pumped out of the mine, and incorporated into the dirty water management system.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.71	The upslope cut-off berms and/or trenches will be properly maintained to ensure that they are always in good working order.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

1.72	Should an event greater than a 1:50 year flood event occur, and it is necessary for the mine to discharge contaminated water, emergency authorisation from the DWA will be applied for prior to the commencement of such discharge. Monitoring of the surface water quality within the receiving water bodies will take place following such discharge, and the integrity of the surface water management infrastructure will be inspected and repaired immediately, where necessary. If the data from the monitoring of affected water bodies following an extreme event greater than a 1:50 year storm event indicates that the impacts of the discharge of contaminated water are significant, suitable rehabilitation and remediation action will be taken as soon as possible after the flood to mitigate any damage that June have been caused as a result of the discharging of contaminated water.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
<b>SURFACE WATER: WATERCOURSE ALTERATIONS</b>			
1.73	Ensure that the surface water management measures for the Navigation West Section; South Block are designed by a suitably qualified person, and in accordance with the applicable legislative requirements and best practice guidelines.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
<b>GROUNDWATER: GENERAL</b>			
1.74	Management of groundwater at Landau Colliery will be undertaken in accordance with the DWA's hierarchy of decision taking, and the most recent best practice guidelines provided by the DWA.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.75	The commitments contained in the Integrated Water and Waste Management Plan will be adhered to.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.76	If a Water Use Licence is granted to Landau Colliery under Chapter 4 of the NWA, 1998, the conditions of the Licence will be implemented.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

1.77	Auditing of compliance with the IWWMP commitments (and if a WUL is granted, to the conditions of the Licence) will be conducted regularly in accordance with the timeframes set by the DWA or committed to the IWWMP.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.78	All new infrastructure will be designed to comply with GN 704, 1999, under the NWA, and where existing infrastructure does not comply, Exemption will be sought or the infrastructure will be upgraded accordingly, where applicable.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
<b>GROUNDWATER LEVELS AND QUANTITY</b>			
1.79	Activities will be limited to the pre-designated mining path, and rehabilitation of mined out open pits will be conducted so that the mining window will be kept between 3 and 5 cuts.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.80	Groundwater ingress into the pits will be removed as soon as possible to keep the pits as dry as practicable.Where possible, groundwater levels in the old mined out workings will be lowered through borehole abstraction to below the level of the adjacent open pit floor. The groundwater thus removed will be incorporated into the dirty water management system for treatment followed by re-use or authorised discharge, where applicable.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.81	If groundwater monitoring indicates that the surrounding groundwater users have been affected by the effect of opencast mining on the groundwater levels, an alternative source of water will be provided by the mine.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.82	Dewatering of old underground workings and open pits will be undertaken to enable safe and efficient mining. This will ensure that groundwater movement is towards the pit(s) or abstraction boreholes and will eliminate the potential for infiltration of contaminated pit water to the groundwater regime, and the resultant formation of a pollution plume.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
<b>GROUNDWATER QUALITY</b>			

1.83	Failure of dewatering pumps or other related infrastructure, or inadequacy of surface impoundments to accommodate dewatered groundwater will be treated as an emergency, as described in Part 8 of this EMP.	N/A	This condition falls outside the scope of the audit period(June 2024 - June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.84	Blasting will not be conducted during adverse weather conditions such as high velocity windy conditions.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.85	Blasting holes will be stemmed prior to blasting.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.86	Dust suppression will be undertaken within the opencast pits to reduce impacts on the air quality as a result of opencast mining.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.87	Activities will be limited to the pre-designated mining path, and rehabilitation of mined out open pits will be conducted so that the mining window will be kept between 3 and 5 cuts.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.88	All machinery employed on site will be in good repair, and well maintained.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.89	All machinery will be fitted with the correct exhaust systems, which will be maintained and in good repair.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.90	Procurement of replacement parts such as exhausts will require lower carbon emissions, to meet international standards and Anglo policy.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

1.91	The procurement policy for the purchase of new fuel-driven vehicles or equipment will require that emissions be substantially reduced, and will require the consideration of alternative, low carbon fuels, where practicable.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.92	Combusting spoils or coal will be smothered using noncarbonaceous overburden or subsoil. Material handling will be undertaken in such a manner as to reduce the potential for spontaneous combustion, especially in coal stockpiling areas. Alternatively, should more effective and feasible techniques or technology for the management of spontaneous combustion become available in future, such will be undertaken at Landau Colliery, where practicable.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
<b>NOISE</b>			
1.93	If blasting or vibrations are perceived to be excessive, a seismic monitor with a continuous recorder will be placed about one kilometre from the mine during blasting activities. Such recordings will be kept and made available to any interested or affected party on request.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.94	The Blaster employed, who will be certified in terms of the Mine Safety Act, will utilise the minimum possible explosives to achieve maximum effect. Controlled blasting techniques specifically designed to reduce blasting noise and vibration will be employed near residential areas, where available.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.95	No blasting will take place on Saturdays or Sundays, except in exceptional circumstances.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.96	Blasting will be conducted between the hours of 08H00 and 16H00 to minimise the impact on persons dwelling within close proximity of the mine.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.97	All lawful land occupiers within a 500 m radius of the pit will be notified within 1 hour prior to Blasting.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

1.98	Noise will be controlled along its transmission path using acoustical barriers. The barriers will provide enough sound insulation so that energy passing through the barrier does not exceed the energy diffracted by the barrier, will be structurally robust enough to meet the demands of the application, and will be capable of being constructed and erected at an economic cost.	N/A	This condition falls outside the scope of the audit period June 2024-June 2025. The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.99	All noise emitting machinery and vehicles will be well-maintained to reduce noise at source.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.100	Equipment that is to be used on site will be selected taking into consideration the potential for reduction in environmental noise production.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.101	A procurement policy will be implemented for all equipment at Landau Colliery which takes environmental noise production into account.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.102	If the noise is directional, the source will be pointed away from noise-sensitive locations (e.g. Nearby residential areas at Schoongezicht No.2 Seam mini pit and Navigation West Section).	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.103	Haul routes leading into and out of the pits will be well-maintained and steep gradients will be avoided.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.104	Noisy equipment such as pumps or generators will be enclosed to reduce noise production.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

1.105	Rubber linings will be used in equipment such as chutes and dumpers.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.106	Tailgates of transport vehicles will be kept closed if possible.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
<b>SENSITIVE LANDSCAPES</b>			
1.107	A conservation management plan will be developed for the Clewer Nature Reserve, adjacent to the west of the Navigation West Section, and implemented as compensation for the loss of the pan in the Navigation West Section; North Block opencast area.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.108	The effectiveness of the conservation management plan will be audited annually.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.109	Mining activities will be restricted in the vicinity of the unnamed tributary of the Grootspuit, situated partially over the south-east of the proposed Navigation West Section; South Block.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.110	Implementation of mitigation measures to manage impacts on soil, surface water, vegetation and animal life will ensure that indirect impacts on wetlands not destroyed or directly disturbed will be minimised.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
<b>HISTORICAL AND CULTUREAL ASPECTS</b>			

1.111	Although no sites of archaeological or cultural interest were found within the study area during the baseline investigation, it is possible that some items or sites of historical significance are buried below the surface, and would only become detectible once surface stripping is undertaken. In such circumstances, further disturbance of the site will be halted until a suitably qualified specialist has been called to the site to investigate the find, and recommendations thereafter have been made. Action to be taken thereafter will need to be undertaken in consultation with the SAHRA.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
<b>VISUAL ASPECTS</b>			
1.112	Management of impacts on soil, air quality and topography will ensure that the visual impacts of opencast mining are minimised as far as practicable. It should, however, be borne in mind that Landau Colliery is located in a region where opencast coal mining is common place. The large number of opencast coal mines in the region, together with the historical nature of the mining in the Witbank region (over 100 years of mining history) will most likely have desensitised local residents and frequent travellers through the area	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.113	On the contrary, the visibility of the mining areas from the surrounding areas could be of interest to passers-by, especially since coal mining is an important part of Mpumalanga's history, and visits to coal mines are even cited as being of interest to tourists. It is therefore not considered necessary to implement specific measures to reduce visual impacts, although in the past, trees were planted at the Kromdraai Section to provide a screen between the mining operations and the surrounding areas. If deemed necessary, this could be implemented elsewhere at the mine, although careful consideration must be given to the species used for this, and the closure objectives of the mine.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
<b>SOCIOECONOMIC IMPACTS</b>			
1.115	Any new jobs will be allocated to existing Landau Colliery employees, or if additional employees are required, local residents will be given preference where possible. Training and skills development will be provided to employees.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

1.116	The Social and Labour Plan will continue to be implemented, and will be updated periodically to remain in line with applicable legislative and regulatory requirements.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.117	Procurement rules and contract conditions will ensure that local suppliers and service providers are used wherever possible, to ensure that the economic influence of the mine reaches the local community as well as contributing to the regional and national GDP.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.118	None required.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.119	The cessation of maize production (and the downstream economic and food resource effects thereof) will be countered by the economic benefits of the mining at Landau Colliery. Maize cultivation will still be practised on land ahead of mining, though, and so this impact will increase in extent as mining progresses.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
<b>INTERESTED &amp; AFFECTED PARTIES</b>			
1.120	Implementation of mitigation measures to manage impacts on air quality, noise, vibrations, surface water, groundwater and visual impacts would indirectly mitigate impacts on surrounding land users.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.121	The Mine will utilise people from the surrounding areas as far as possible, and no illegal labourers will be employed.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.122	Access to the surface infrastructure and mining areas will be controlled under all conditions, and no informal housing will be allowed to take place within the mine boundary areas.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

1.123	Mine management will maintain an open-door policy. The General Manager will maintain cordial relationships with all Interested and Affected Parties. Minutes of all meetings will be kept, and made available on request.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.124	An Interested and Affected Parties Forum has been established. Minutes of all meetings will be taken. These Minutes will include a record of all parties in attendance.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.125	The mine's complaints register will continue to be made available to I&APs, who will be encouraged to record their complaints within the register.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.126	Any complaints that are recorded in the complaints register will be attended to timeously, and the action taken will be recorded and reported back to the I&AP concerned.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.127	A report of the complaints and manner in which the complaints have been addressed will be submitted to the DMRE on an annual basis.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.128	If groundwater monitoring indicates that the surrounding groundwater users have been affected by the effect of opencast mining on the groundwater levels, an alternative source of water will be provided by the mine.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.129	No unauthorised persons will be allowed on the property, and the establishment of informal settlements will be discouraged.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.130	Signs will be erected and maintained warning of dangerous areas such as highwalls and areas where blasting will take place. In addition, access to the mining areas will be restricted to authorised persons only.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

1.131	Visitors to the mine will be required to undergo induction before being allowed onto the site, and must be accompanied by a trained employee of the mine at all times while outside of the office area, unless a specific situation requires it otherwise.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.132	Signs will be erected and maintained within and downstream of the mine boundary area where water quality in receiving streams is poor and potentially hazardous.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.133	All structures and residences within 1km of opencast area will be inspected on a 6 monthly basis.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.134	Results of the inspections will be compared with the photographic survey that was taken prior to the commencement of blasting.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.135	Mine Management will be responsible for the repair of any damage, which arises as a result of blasting or activities at the mine, at the mine's expense.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.136	No buildings or other infrastructure will be constructed within the relevant servitudes of the Sasol gas pipeline, without written permission from Sasol.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.137	No covers will be removed from the Sasol gas pipeline servitude area.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.139	No heavy vehicles or power equipment for ground levelling etc. will be permitted over the Sasol gas pipeline servitude area unless authorised in writing by the relevant Sasol department.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

1.140	No roads, water mains, sewers, drains or other services will be constructed across the Sasol gas pipeline servitude unless otherwise agreed to by the relevant Sasol and Government departments, in writing. In this regard a formal written application will be submitted to the relevant Sasol department, together with plans and sectional drawings of the proposed services to cross the servitude(s) in order to establish whether additional protection of the pipeline(s) will be necessary.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.141	No works, such as fencing or posts with deep foundations June be erected, nor will deep-rooted trees or shrubs be planted in the servitude areas which are likely to damage or endanger the pipeline(s) or the protective wrapping.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
1.142	No blasting will occur within the pipeline servitude. Application to carry out blasting within 500 m of a pipeline will be made to the relevant Sasol office in writing in terms of Paragraph 17.1, Chapter 10 of the Regulations embodied in the Explosives Act and Regulations (Act 26 of 1956), as amended.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
<b>2. UTILISATION AND MAINTENANCE OF SURFACE INFRASTRUCTURE</b>			
<b>TOPOGRAPHY</b>			
2.2	All infrastructure will be limited to the pre-designed footprint areas. Where new infrastructure or expansion of existing infrastructure is required, the impacts on topography and the resultant indirect impacts on other environmental aspects will be assessed, and such information used to influence the design of the infrastructure, before the commencement of construction / expansion. Where applicable, authorisation for changes to infrastructure at the mine will be applied for.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
<b>SOILS</b>			
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 the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

2.4	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 minimized to between 3 and 5 open cuts.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.5	Topsoil and subsoil will be stockpiled separately, and will be located in pre-designated areas only.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.6	Stockpiles will vegetated as soon as practicable to try and maintain the microbial components in the soils and minimise erosion.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
	Soil stockpiles will not exceed 3 m in height in order to maintain optimal soil structure and function.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.8	Compaction of soils will be prevented by restricting movement of vehicles to designated pathways.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.9	No vehicles will be allowed on the topsoil or subsoil stockpiles other than the equipment required for the re-use of the stockpiled topsoil for rehabilitation.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.10	Subsoil used for surface water management will be vegetated to minimise loss of soil through erosion.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.11	The minimum area of the stockpile will be disturbed for the use for rehabilitation purposes at any point in time, to prevent unnecessary exposure of the vegetated topsoil to erosion forces. Topsoil stockpiles will be reclaimed systematically to ensure that possible sites of soil exposure are minimised.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

2.12	Spillages of carbonaceous materials, hydrocarbons or other contaminating substances on soil will be prevented, but where such events do occur, the spilled material and affected soil will be cleaned up immediately in accordance with the Landau Colliery Emergency Procedure, and the soil will be rehabilitated.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.13	Spillages of carbonaceous materials, hydrocarbons or other contaminating substances on soil will be prevented, but where such events do occur, the spilled material and affected soil will be cleaned up immediately in accordance with the Landau Colliery Emergency Procedure, and the soil will be rehabilitated.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.14	Only subsoil will be utilised for storm water diversion berm construction and will be vegetated to reduce erosion. No topsoil will be used for berm construction.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.15	Topsoil stockpiles will be protected from contamination through vegetation.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.16	Training of employees and contractors to avoid bringing the topsoil into contact with carbonaceous overburden, coal or other contaminating substance.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.17	And ensuring that dirty water is kept away from the stockpiles.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.18	Dust suppression with dirty water will only be undertaken within the dirty water management area, thus reducing the possible contamination of soils with contaminated water.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

2.19	Employees and contractors will be trained to prevent spillages of diesel or other hydrocarbons.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.20	Regular inspection of hydrocarbon storage tank(s) (e.g. diesel tanks) for leakages will be undertaken. While the inspection itself will not mitigate any hydrocarbon spill impacts on soil, it will provide early warning if such an event occurs and will enable other mitigation measures to be implemented timeously to enable the impacts to be minimised.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.21	Drains surrounding refuelling areas will be kept clear of debris.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.22	And storm water runoff from the surface of the refueling area will be treated to separate the hydrocarbon from the water.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.23	The containment of the hydrocarbon in this way will reduce the potential pollution of soils that would occur if the storm water were allowed to enter the surrounding environment instead.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.24	Where hydrocarbons have spilled onto, or come into contact with, soil, the contaminated soil will be collected and removed to a soil rehabilitation facility at Landau Colliery. Once treated, the soil will be re-used for rehabilitation or maintenance of rehabilitation, where necessary.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.25	Hazardous and potentially highly contaminating substances such as lubricants, brake fluids, paints, solvents, explosives, etc., will be stored in suitably isolated or bunded areas.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
LAND CAPABILITY AND LAND USE			

2.26	All infrastructure will be limited to the pre-designated footprint areas - this particularly applies to moveable infrastructure such as coal stockpiles. Where new infrastructure or expansion of existing infrastructure is required, the impacts on land capability and land use will be assessed, and such information used to influence the design of the infrastructure, and inform decision-making, before the commencement of construction / expansion. Where applicable, authorisation for changes to infrastructure at the mine will be applied for.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.27	All activities will be restricted to the pre-designated areas and pathways such as haul roads. This will minimise surface disturbance and reduce impacts on land capability and land use.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
<b>VEGETATION</b>			
2.28	All infrastructure will be limited to the pre-designated footprint areas - this particularly applies to moveable infrastructure such as coal stockpiles. Where new infrastructure or expansion of existing infrastructure is required, the impacts on natural vegetation will be assessed, and such information used to influence the design of the infrastructure, and inform decision making, before the commencement of construction / expansion. Where applicable, authorisation for changes to infrastructure at the mine will be applied for.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.29	All activities will be restricted to the pre-designated areas and pathways such as haul roads. This will minimise surface disturbance and reduce impacts on land capability and land use.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.30	All declared alien weeds will be effectively controlled.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.31	Implementation of dust control measures will indirectly minimise such impacts on surrounding vegetation.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

2.32	Management of the impacts on soil, surface water and groundwater would indirectly manage the impacts on wetland vegetation.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
<b>ANIMAL LIFE</b>			
2.33	The mine's environmental awareness programme will continue to educate employees and contractors of the ecological value of animal life and the necessity for a balance between development and conservation, and to inform them of the mine's no-poaching policy.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.34	A warning and punishment system will be implemented where workers discovered poaching or moving heavy vehicles and equipment outside of predetermined pathways and designated areas will be implemented to discourage such behaviour.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.35	Safety measures designed to keep humans away from the mining area will also discourage animals from approaching the open pits. Also, noise and vibration associated with the opencast mining will contribute to keeping animals away from the pits. However, should an animal become trapped in dams or other surface infrastructure (with the exception of pest species), the animal will be rescued with as little damage or injury as possible, and treated to recovery, before being released into adjoining suitable habitat.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.36	Vehicle movement will be restricted to designated areas and to low speeds (40 km/h). The mine's environmental awareness programme will continue to educate employees and contractors of the ecological value of animal life and the necessity for a balance between development and conservation.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.37	Implementation of soil and surface water management measures will indirectly minimise such impacts on aquatic habitat and biota in the receiving watercourses.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

2.38	Implementation of soil, surface water and groundwater management measures will indirectly minimise such impacts on aquatic habitat and biota in the receiving watercourses.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
<b>SURFACE WATER: GENERAL</b>			
2.39	Management of surface water at Landau Colliery will be undertaken in accordance with the DWA's hierarchy of decision taking, and the most recent best practice guidelines provided by the DWA.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.40	The commitments contained in the Integrated Water and Waste Management Plan will be adhered to.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.41	If a Water Use Licence is granted to Landau Colliery under Chapter 4 of the NWA, 1998, the conditions of the Licence will be implemented.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.42	Auditing of compliance with the IWWMP commitments (and if a WUL is granted, to the conditions of the Licence) will be conducted regularly in accordance with the timeframes set by the DWA or committed to the IWWMP.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.43	All new infrastructure will be designed to comply with GN 704, 1999, under the NWA, and where existing infrastructure does not comply, Exemption will be sought or the infrastructure will be upgraded accordingly, where applicable.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.44	Compliance with Regulations GN 704, titled "Regulations on use of water for mining and related activities aimed at the protection of water resources", dated June 1999, under the NWA, 1998 (Act 36 of 1998), will be audited annually, and reported to the DWA.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

2.45	Employees and contractors will be trained to identify activities that would impact on the surface water aspect of the mine, such as overflow of pollution control dams, spillages of contaminating substances such as diesel, carbonaceous material, etc. Furthermore, they will be informed on the environmental emergency procedure, and will be trained to contact the appropriate person to report such incidents.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
<b>SURFACE WATER: QUANTITY AND FLOW</b>			
2.46	All activities will be restricted to the pre-designated areas and pathways. This will ensure that the extents of the areas that need to be incorporated into the dirty water management system are minimised.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.47	Clean water will be diverted around the infrastructure areas by infrastructure designed to comply with the requirements of the applicable legislation (e.g. GN704, dated 1999, under the NWA, 1998). Dirty water management areas will be minimised as far as practicable. Contaminated water will be captured and re-used, or treated before re-use or discharge.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.48	Retained contaminated water will either be used for dust suppression, allowed to evaporate, or be transferred to the dirty water management system of Landau Colliery for re-use or for treatment (at the EWRP). The volume of contaminated water used for dust suppression will be controlled to ensure that excessive ponding or runoff is not generated.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.49	The dirty water impoundments will be managed and maintained in such a manner as to ensure that the available capacity and freeboard required by the applicable regulations are adhered to at all times.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.50	The extent of the dirty water management areas at the mine will be minimised.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

2.51	All clean water will be diverted around the infrastructure areas. The mine will maintain these diversion berms / trenches to ensure that no blockages occur.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.52	The surface diversion berms and drains will be kept free from any obstructions (debris) to ensure that the efficiency is not affected. Changes to the layout of the storm water control measures will be implemented, if required, to accommodate actual conditions and to enhance the efficiency of the management system.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.53	Repair of damages to the clean and dirty water separation infrastructure due to erosion and scouring of areas will be performed following storm events.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.54	Normal continuous maintenance throughout Life of Mine will also be performed for all slopes, berms and points of discharge (i.e. clearing of silts and sediments washed into drains, erosion marks will be filled up again, berms will be kept intact, etc.).	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.55	The period during which the stripped soil would be exposed before being placed live on rehabilitated areas or stockpiled will be minimised as far as practicable.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.56	Exposed topsoil will be vegetated to minimise erosion and consequent impacts thereof on storm water quality, and the quality of water in the receiving environment.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.57	Where soil will be exposed for longer periods of time, silt laden runoff from exposed soil will be intercepted and settled before being allowed to drain into the receiving environment.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.58	Contaminated surface water, such as direct rainfall entrapped in the dirty water management system, or runoff from the old discard dumps and Blaauwkrans Co-disposal facility, will be contained, treated and re-used in the dirty water management system.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

SURFACE WATER QUALITY			
2.59	The areas containing carbonaceous materials will be separated and isolated by means of berms and cut-off trenches to contain affected water and to maximise the diversion of clean surface water runoff past these areas.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.60	Contact time between entrapped surface water and carbonaceous material in the dirty water management areas will be minimised by removing such water as soon as possible after rainfall events. This will minimise the extent of contamination of the surface water in surface infrastructure areas.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.61	No construction, repair or maintenance of any water management facilities or roads will be undertaken with any material (such as coal residue) that June cause pollution of water resources.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.62	Spillages of any material that June cause pollution of surface water resources, such as carbonaceous material, outside of the isolated dirty water management areas, will be regularly removed and mitigation measures implemented when necessary.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.63	To avoid excessive coal spillages on the haul roads, trucks will be restricted to within applicable weight limitations and suitable management measures enforced, such as reduced speed limits and covering of the coal trucks.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.64	Detailed specific surface water management measures for the Navigation West Section; South Block will be designed by a suitably qualified person once the mine plan for the South Block has progressed sufficiently, but prior to the onset of any construction or related activities in the South Block area.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.65	Once the appropriate surface water management measures to enable compliance with all applicable legislative requirements have been completed for the Navigation West Section; South Block, the mine will update its EMP document accordingly.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

2.66	Continuous managing, improvement and monitoring of the water balances will be undertaken to identify risk areas and excess water volumes, and for reporting on conditions on a monthly base.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.67	Contaminated surface water will not be allowed to flow or be intentionally discharged to the receiving environment without being treated first, and without the applicable authorisations.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.68	Decanting acid mine water will be collected, stored in dirty water management facilities until is treated and re-used or discharged (authorised discharge - see Appendix C12).	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.69	The domestic waste water (sewage) generated at the mine will be directed to the on-site sewage treatment plants for treatment and re-use.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.70	Implementation of soil mitigation measures (refer to No.1.22) will reduce the potential for secondary contamination of surface water runoff.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.71	Runoff in the infrastructure areas will be kept within the isolated dirty water management area, which will significantly reduce the potential for such contaminated water to reach the receiving environment.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.72	Hydrocarbons will be removed from the water in the dirty water management system before the water is re-used, or treated before being released to the receiving environment under the applicable authorisation(s).	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.73	No contaminated water from workshop areas or refueling stations will be discharged or allowed to flow into the surrounding environment.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

2.74	All contaminated water reporting in bunded areas will be drained to an oil separator. Separated hydrocarbons will be disposed of in accordance with the relevant legislation.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.75	Operation of the hydrocarbon storage facilities will be checked on a regular basis, to ensure that they are in working order, and to ensure that any malfunctions or irregularities are attended to and / or repaired as soon as possible.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.76	Hydrocarbon pollution management measures, such as oils traps, will be operated and maintained in the workshop areas.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.77	The management measures pertaining to the storage and disposal of domestic and hazardous waste described in the Landau Colliery EMS Procedure will be implemented to avoid any possible contamination of surface water resources or soils with hazardous substances.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.78	The dirty water impoundments will be managed and maintained in such a manner as to ensure that the available capacity and freeboard required by the applicable regulations are adhered to at all times.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.79	No discharge of excess mine water will be allowed to take place to the receiving environment without the required authorisations.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.80	Should any dirty water storage facilities overflow, the emergency procedure (described in Part 8) will be followed.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.81	Decanting acid mine water will be collected, treated and re-used or discharged (authorised discharge - see Appendix C12). The treatment and re-use of acid mine water at the Kromdraai Section is described in detail in Part 3.9.7.5.1.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

2.82	Any new water management infrastructure will be designed by a suitably qualified person, and will comply with legislative requirements such as GN 704, 1999, under the NWA, 1998. An application for a Water Use Licence will be submitted to the DWA for any new water uses, as defined in Section 21 of the NWA, 1998, before the commencement of the water uses.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.83	The dirty water impoundments will be managed and maintained in such a manner as to ensure that the available capacity and freeboard required by the applicable regulations are adhered to at all times.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.84	No discharge of excess mine water will be allowed to take place to the receiving environment without the required authorisations.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.85	Should any dirty water storage facilities overflow, the emergency procedure (described in Part 8) will be followed.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.86	Clean and dirty water separation, operation of dirty water management facilities and systems, and swift implementation of the environmental emergency procedure (if necessary) will be undertaken to reduce the risk of overflow of contaminated water to the receiving environment significantly.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.87	The mine has initiated a project to improve the quality of the effluent discharged from the Kromdraai Liming Plant, in an effort to abate water quality impacts on the downstream environment – refer to Part 3.9.7.5.1 for more detail. Landau Colliery will continue to investigate alternative means of treating acid mine water and contaminated process water, and will implement the best environmental option to replace or supplement the Kromdraai Liming Plant. Other measures to be implemented include the following: Upgrading of the Kromdraai Liming Plant; The investigation, planning and design of the clean-up of the wetland system upslope of the weir Kromdraai weir; Implementation of measures to reduce	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

	the sulphate concentration in the effluent discharged after treatment.		
2.88	Contaminated mine water will be stored in the dirty water containment facilities at the mine and excess dirty water will be pumped to the eMalahleni Water Reclamation Plant for treatment to potable standards before being re-used by the SACE mines and the eMalahleni Municipality.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.89	The dirty water impoundments will be managed and maintained in such a manner as to ensure that the available capacity and freeboard required by the applicable regulations are adhered to at all times. No discharge of excess mine water will be allowed to take place to the receiving environment without the required authorisations. Should any dirty water storage facilities overflow, the emergency procedure (described in Part 8) will be followed.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.91	Cut-off drains have been constructed to divert clean. These measures will be maintained and improved where necessary to ensure that the impacts associated with flooding are minimised.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.92	All direct rainfall within the operational areas is considered "dirty" and will be channelled to the pollution control dams from where it will be pumped back to the Plants for re-use or treatment	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.93	All infrastructure areas at the Landau Colliery are located outside the 1:100 floodline and further than 100m from the nearest watercourse, thus minimising the impacts associated with flooding.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.94	All pollution control structures will be inspected after a flood rainfall event for signs of erosion.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.95	Water levels will be checked to ensure that the operational capacities are maintained.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

2.96	All damages to surface water management infrastructure, and erosion thereof, will be rectified.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.97	Should an event greater than a 1:50 year flood event occur, and it is necessary for the mine to discharge contaminated water, emergency authorisation from the DWA will be applied for prior to the commencement of such discharge. Monitoring of the surface water quality within the receiving water bodies will take place following such discharge, and the integrity of the surface water management infrastructure will be inspected and repaired immediately, where necessary. If the data from the monitoring of affected water bodies following an extreme event greater than a 1:50 year storm event indicates that the impacts of the discharge of contaminated water from Landau Colliery are significant, suitable rehabilitation and remediation action will be taken as soon as possible after the flood to mitigate any damage that June have been caused as a result of the discharging of contaminated water.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
<b>SURFACE WATER: WATERCOURSE ALTERATIONS</b>			
2.98	Any new infrastructure will be located outside of the 1:100 year floodlines of the streams draining the mine boundary areas. However, should this not be possible, or should a watercourse crossing be required, an environmental impact assessment will be undertaken for the planned activity to inform the design of the infrastructure, and to inform decision making. The applicable authorisations will be obtained before construction or expansion of any watercourse alterations takes place.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.99	The stone wall will be maintained to ensure that acid mine water decanting into the unnamed tributary is contained and treated before being released back into the catchment. No expansions or alterations to the stone wall will be undertaken without the appropriate EIA and authorisations.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

2.100	No expansions or alterations to the haul road crossing will be undertaken without the appropriate EIA and authorisations.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.101	Spillages of carbonaceous materials, hydrocarbons or other contaminating substances on soil will be prevented, but where such events do occur, the spilled material and affected watercourse will be cleaned up immediately in accordance with the Landau Colliery Emergency Procedure (see Part 9), and rehabilitated.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.102	As part of the long term acid water decant management strategy, the following will be undertaken, which will mean the gabions and dosing plant will no longer be required and can be removed from the watercourse:  The Kromdraai Liming Plant will be upgraded; The clean-up of the wetland system upslope of the weir will be investigated, planned and designed; Measures will be implemented to reduce the sulphate concentration in the effluent discharged after treatment; The weir system will be upgraded to a permanent structure for water monitoring purposes.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.103	A Water Use Licence Application under Chapter 4 of the NWA, 1998, will be submitted to the DWA for this water use.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
<b>GROUNDWATER QUANTITY AND LEVELS</b>			
2.104	The footprint areas where the surface is compacted will be minimised, although in the case of haul roads, the compacted surface area will generally progressively increase as opencast mining advances. However, even with the progressive enlargement of the compacted surfaces of haul roads, it is not anticipated to impact largely on groundwater infiltration. Haul roads will be located in pre-designated areas, and all traffic will be kept on the haul roads, minimising the area of surface disturbance, and resultant impacts on soil, surface water and groundwater infiltration.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

2.105	Any new dirty water management facilities or waste disposal facilities will be designed to comply with legislative requirements, which will reduce and possibly eliminate the seepage of water to the groundwater.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.106	No new dirty water management facilities or waste disposal facilities will be constructed without the required authorisations.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.107	Should any new dirty water storage or waste disposal facilities be required, an EIA will be conducted during the planning phase to inform the design of the infrastructure and to also to inform decision-making.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.108	The management of acid mine water seepage on surface water were discussed in No.2.62 to No.2.65 above.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.109	No further mitigation necessary. Rehabilitation will be maintained.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.110	The rehabilitated surface of the discard facility will be inspected regularly and repaired or maintained where necessary.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.111	Any new dirty water management facilities or waste disposal facilities will be designed to comply with legislative requirements, which will reduce and possibly eliminate the seepage of water to the groundwater.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

2.112	Seepage of contaminated water to the groundwater will be minimised where practicable. This will be achieved by minimising contact time between surface water and carbonaceous materials, and avoiding the ponding of contaminated water outside of purpose-built dirty water management facilities. Other actions that could be undertaken to prevent the seepage of contaminated water to the groundwater regime include the immediate clean-up of hazardous materials after spills. For more details in this regard, refer to No.2.43 - 2.86 - surface water management.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.113	Implementation of surface water management measures will contribute to the minimisation of impacts on groundwater quality resulting from the utilisation of surface infrastructure. Such measures include the minimisation of surface disturbance areas, the continued separation of clean and dirty water and the recycling, treatment and re-use of contaminated water.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
<b>GROUNDWATER QUALITY</b>			
2.114	Pollution control dams will be checked for damages and seepage due to cracks or any other faults. If necessary, repairs will be carried out as soon as practicable to reduce the period over which dirty water will seep through such damages or cracked areas into the groundwater.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.115	Any new dirty water management facilities or waste disposal facilities will be designed to comply with legislative requirements, which will reduce and possibly eliminate the seepage of water to the groundwater.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.116	Implementation of surface water management measures will contribute to the minimisation of impacts on groundwater quality resulting from the utilisation of surface infrastructure. Such measures include the minimisation of surface disturbance areas, the continued separation of clean and dirty water, capture and recycling of contaminated water, etc.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.117	No new dirty water management facilities or waste disposal facilities will be constructed without the required authorisations.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

2.118	Should any new dirty water storage or waste disposal facilities or changes to existing disposal facilities be required, an EIA will be conducted during the planning phase to inform the design of the infrastructure and to also to inform decision-making.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.119	The Blaauwkrans Co-disposal facility was designed and will continue to be operated in such a manner as to minimise groundwater related impacts. The trenches around the Blaauwkrans Co-disposal facility that were dug deep to intercept deep seepage and lined with bentonite to minimise seepages will be inspected regularly and kept clear and free of debris. The erosion gulleys will continue to be frequently maintained to ensure that there is no standing water. The toe seep water flowing to a silt trap will continue to be pumped to the Toe seep Treatment Plant for treatment before being used at the Navigation Plant.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.120	The Blaauwkrans slimes dam (in the centre of the Co-disposal facility) will continue to be operated as per the Code of Practice and will continue to be audited bi-monthly by a suitably qualified civil engineer to evaluate whether or not best practice is being adhered to.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.121	The slimes dam will continue to be operated to prevent beaching and minimise the formation of toe seep.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.122	The pollution plume will continue to be measured at two yearly intervals and the rate growth or decline will be measured and modelled.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.123	The emergency dams for toe seep will continue to be operated in such a manner as to ensure that the pollution plume does not overflow or seep outside the Blaauwkrans Co-disposal and associated dirty water management area.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.124	A high rate thickener was installed to reduce the volume of slimes being pumped to the Co-disposal facility. Weekly inspections will continue to be carried out to ensure that there are no incidences at the Blaauwkrans Co-disposal facility's slimes dam.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

2.125	All the pollution control dams associated with the Blaauwkrans Co-disposal facility will be lined with HDPE and the Penstock will be upgraded.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.126	The Toe Seep Plant will also be upgraded to improve water recovery.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.127	During maintenance of the Navigation Toe Seep Plant, toe seep from the Blaauwkrans Co-disposal facility will be treated at the Emalahleni Water Reclamation Plant ion exchange unit, once it has been commissioned.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.128	The trenches around the Blaauwkrans Co-disposal facility will be lined with cement and designed to be deep to capture deep seepage.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.129	The groundwater pollution plume associated with the Blaauwkrans Co-disposal facility, Navigation Plant area and Navigation dump will be abstracted and will be collected and treated. Options in terms of treatment are currently being evaluated, but it is possible that an on-site ion exchange plant will be commissioned at the Navigation Plant area.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.130	Implementation of surface water management measures will contribute to the minimisation of impacts on groundwater quality resulting from the utilisation of carbonaceous stockpiles. Such measures include the minimisation of surface disturbance areas, the continued separation of clean and dirty water, capture and recycling of contaminated water, etc.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
<b>AIR QUALITY</b>			
2.132	All trucks transporting material from the mining operation will be required to obey a maximum 40 km / h speed limit. This will reduce the generation of dust on the haul roads.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

2.133	Movement of vehicles will be restricted to areas where dust suppression will be undertaken, as far as practical. Clean water will be used for dust suppression in areas outside of dirty water management areas, whereas process water will be used for dust suppression within dirty water management areas. Ponding of excess dust suppression water will be avoided.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.134	Dust suppression will be undertaken to reduce vulnerability of fines to wind erosion, thereby reducing dust generation. Ponding of excess water for dust suppression will be avoided. Use of contaminated water for dust suppression will be restricted to within the dirty water management areas at the mine.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.135	Implementation of the soil management measures stipulated in No. 2.6, 2.9, 2.10, 2.11 and 2.16 will ensure that the dust generation potential of soil stockpiles will be minimised.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.136	The conveyors will be covered to minimise dust generation, especially during windy conditions. Dust suppression water sprayers will periodically wet coal on conveyors to minimise dust generation.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.137	Dust suppression will be undertaken to reduce vulnerability of fines to wind erosion, thereby reducing dust generation. Ponding of excess water for dust suppression will be avoided. Use of contaminated water for dust suppression will be restricted to within the dirty water management areas at the mine.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.138	Combusting spoils or coal will be smothered using noncarbonaceous overburden or subsoil. Alternatively, should more effective and feasible techniques or technology for the management of spontaneous combustion become available in future, such will be undertaken at Landau Colliery, where practicable.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.139	All machinery employed on site will be in good repair, and well maintained.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

2.140	All machinery will be fitted with the correct exhaust systems, which will be maintained and in good repair. Procurement of replacement parts such as exhausts will require lower carbon emissions, to meet international and Anglo standards.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.141	The procurement policy for the purchase of new fuel-driven vehicles or equipment will require that emissions be reduced substantially, and will require the consideration of alternative, low carbon fuels, where practicable.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
<b>NOISE</b>			
2.142	Implementation of measures stipulated in No.1.101 to 1.107 will ensure that noise impacts at all infrastructure areas will be managed to within acceptable limits.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.143	The crushers, tip areas, plant equipment and machinery, as well as vehicles will be properly maintained, contributing to an overall reduction of noise impacts.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.144	Transport of material off-site will be restricted to between 06:00 and 22:00 to reduce the noise impact on surrounding receptors.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.145	Vehicle speeds will be restricted to 40 km / h within the mine boundary areas.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.146	Silencers will be well maintained and replaced if they become noisy.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

2.147	Vehicles will be fitted with pneumatic suspensions rather than the traditional leaf springs.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.148	Rubber bushes will be fitted between trailer bodies and chassis' to prevent the load body slap which can occur, especially when the vehicles are empty.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
<b>SENSITIVE AREAS</b>			
2.149	Implementation of surface water management measures will ensure that the impacts on affected downstream wetland areas will be minimised as far as practicable.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.150	Implementation of surface water management measures will ensure that further impacts on wetlands and other sensitive landscapes downstream of the infrastructure areas at Landau Colliery will be minimised (Refer to No.2.62 - 2.65).	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.151	Implementation of soil and surface water management measures will indirectly minimise such impacts on aquatic habitat and biota in the receiving watercourses.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
<b>HISTORICAL AND CULTURAL ASPECTS</b>			
2.153	Although no sites of archaeological or cultural interest were found within the study area during the baseline investigation, it is possible that some items or sites of historical significance are buried below the surface, and would only become detectible once the surface is disturbed. In such circumstances, further disturbance of the site will be halted until a suitably qualified specialist has been called to the site to investigate the find, and recommendations thereafter have been made. Action to be taken thereafter will need to be undertaken in consultation with the SAHRA.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

2.154	Should any future development during the LOM be required, the applicable legislative processes will be followed, as recommended in the pre-mining HIA that was undertaken for the Navigation West Section.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
<b>VISUAL ASPECTS</b>			
2.155	Management of impacts on soil, air quality and topography will ensure that the visual impacts of the utilisation and maintenance of the infrastructure at the mine are minimised as far as practicable. It should, however, be borne in mind that Landau Colliery is located in a region where opencast coal mining is common place. The large number of opencast coal mines in the region, together with the historical nature of the mining in the Witbank region (over 100 years of mining history) will most likely have desensitised local residents and frequent travellers through the area. On the contrary, the visibility of the mining areas and infrastructure from the surrounding areas could be of interest to passers-by, especially since coal mining is an important part of Mpumalanga's history, and visits to coal mines are even cited as being of interest to tourists. It is therefore not considered necessary to implement specific measures to reduce visual impacts, although in the past, trees were planted at the Kromdraai Section to provide a screen between the mining operations and the surrounding areas. If deemed necessary, this could be implemented elsewhere at the mine, although careful consideration must be given to the species used for this, and the closure objectives of the mine.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.156	Management of the impacts on soil, air quality and topography would indirectly manage the impacts of dust generation in infrastructure areas on visual aspects.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
<b>SOCIOECONOMICS</b>			
2.157	The Social and Labour Plan will continue to be implemented, and will be updated periodically to remain in line with applicable legislative and regulatory requirements.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .

INTERSETED & AFFECTED PARTIES			
2.158	Implementation of the groundwater management measures in No.2.112 to 2.119 will ensure that the impacts of the groundwater users in the vicinity of the Blaauwkrans Co-disposal facility area minimised.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.159	If, despite the implementation of the groundwater measures stipulated in No.2.112 to 2.119, groundwater monitoring indicates that the surrounding groundwater users have been affected by the effect of opencast mining on the groundwater levels, an alternative source of water will be provided by the mine. Measures will be implemented as soon as impact on groundwater quality is confirmed through monitoring. If water supply is to be replaced, this should be done until groundwater in the affected boreholes is no longer contaminated.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.160	Implementation of the surface water management measures stipulated in No.2.51 - 2.86 will ensure that consequent impacts on downstream water users will be prevent, and where this is not possible, minimised.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.161	Implementation of air quality management measures will ensure that nuisance dust impacts are minimised.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.162	In addition to the noise management measures stipulated in No.1.101 to 1.107 and No.2.133 to 2.138,	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
2.163	Implementation of the measures stipulated in No.1.122 to 1.125 will ensure that no person enters the infrastructure areas without the proper authorisation and accompaniment.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
<b>3. REHABILITATION AND RESTORATION</b>			

<b>GEOLOGY</b>			
3.1	The mining window will be maintained at between 3 and 5 open cuts.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
3.2	Rehabilitation will be undertaken concurrently with the mining in order to reduce the deterioration of the surrounding environment, including the groundwater regime to some extent.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). The Aligned EMPr (2014) applies to Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold . As no mining activities are taking place, 'concurrent' rehabilitation is no longer applicable.
3.3	Rehabilitation will be undertaken in sequential layers with carbonaceous material (such as coal discard and carbonaceous overburden) at the bottom of the pit. The discard material will be placed below the coal seam during the backfilling of the opencast voids, to reduce the anticipated impacts on the groundwater.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021). No concerns regarding backfilling were noted during the site inspection.
3.4	If the long-term groundwater management strategy, which will be developed prior to the onset of the Decommissioning Phase, requires that some final voids should remain for the purpose of decant control and / or management, this EMP will be revised to reflect the change in end land use of the final void.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
3.5	No further impacts are anticipated to occur on the geology during the Decommissioning Phase due to the demolition and removal of surface infrastructure, in situ rehabilitation of waste disposal facilities or continued utilisation of water management infrastructure as part of the long-term water management strategy.	T/N	Khwezela Colliery notes the condition.
<b>TOPOGRAPHY</b>			
3.6	Only three to five cuts will be open at any given time at each mining area, with successive cuts used to systematically backfill preceding cuts. This will minimise the size of the void at any point in time.	N/A	Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
3.7	Spoil areas will be levelled and profiled, while voids will be backfilled and profiled continuously as mining proceeds.	C	Kromdraai Section and Schoongezicht are under rehabilitation and the Umlalazi section is sold . No concerns regarding backfilling were noted during the site inspection.

3.8	Open voids will be filled with a basal layer of shale and discard, not exceeding the coal horizon, and backfilled with overburden and subsoils.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021). Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold . No concerns regarding backfilling were noted during the site inspection.
3.9	Filled voids will be compacted to promote encapsulation, prior to the placement of the subsoil and topsoil layers.	T/N	Khwezela Colliery notes the condition.
3.10	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 possible.	T/N	Khwezela Colliery notes the condition.
3.11	The rehabilitation of mined areas will be done so as to achieve the pre-planned final landscape configuration taking into account the depth of coal removed and the bulking ratio of the overburden replaced in the pit(s).	T/N	Khwezela Colliery notes the condition.
3.12	The post-mining surface topography will be modelled 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.	T/N	Khwezela Colliery notes the condition.
3.13	The Mine Surveyor will survey backfilled cuts to ensure that these are filled and rehabilitated to surface and conform to natural runoff patterns. No excessive ponding will be allowed.	T/N	Khwezela Colliery notes the condition.
3.14	Ponding on the rehabilitated surfaces will be discouraged.	T/N	Khwezela Colliery notes the condition.
3.15	Pre-planning will allow for clean runoff from the rehabilitated area to reach the natural drainage channels outside the mining area in a controlled and uncontaminated manner.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021). The rehabilitation guideline is made to ensure that the rehabilitation shall allow clean runoff from the rehabilitated areas to reach teh natural drainage channels.
3.16	Monitoring for potential subsidence areas within the rehabilitated opencast will be undertaken to ensure that no excessive ponding of clean water on the rehabilitated pit surfaces occurs after rehabilitation of the surface areas has been completed, so as to prevent infiltration of excessive surface water to the groundwater.	C	Monitoring is undertaken at red zones (indicating subsidence), which are accordingly demarcated and the mine is also assessed through aerial surve, during the site inspection ponding was observed in the following areas:

3.17	Should subsidence of the rehabilitated areas occur, maintenance will be undertaken to ensure that the identified subsidence areas are eliminated and the surfaces of the rehabilitated subsidence areas are suitably re-vegetated.	T/N	Khwezela Colliery notes the condition.
3.18	The original gentle slopes will be re-instated as part of continuous rehabilitation, as far as possible, to reduce erosion.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021). Gentle slopes are being reinstated as part of the continuous rehabilitation.
3.19	Scrap metal from demolished and dismantled buildings and other infrastructure will be sold.	T/N	Khwezela Colliery notes the condition.
3.20	Non-saleable materials such a demolished building rubble and concrete will be disposed of in accordance with the relevant legislation.	T/N	Khwezela Colliery notes the condition.
3.21	Any remaining ROM will be removed from the final voids and associated mining infrastructure areas.	C	No ROM material was observed during the site inspection.
3.22	Any remaining stockpiles of overburden, subsoil and topsoil will be removed, either through the rehabilitation of the final void(s), or for use elsewhere within the mine boundary areas.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
3.23	Implementation of soil, surface water and groundwater management measures will ensure that the impact on post-mining topography, and consequent impacts on surface water and visual aesthetics, will be minimised as far as possible.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
3.24	Implementation of soil, surface water and groundwater management measures will ensure that the agreed land use objectives will be achieved.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
3.25	The implementation of surface water management measures, and mitigation of impacts on groundwater, will reduce the significance of the long-term topographical changes caused by the final voids, should any remain as part of the long-term groundwater management strategy.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
3.26	Topsoil will be placed to a minimum depth of 600 mm at Kromdraai opencast areas, and 300 mm at the Navigation West Section.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).

			November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
3.27	Topsoil will be replaced in consolidated blocks in the final surface land use areas, to avoid varying soil depth and fragmented land capability classes. Correct use of depth markers will also contribute to the even distribution of the soil over the rehabilitated areas.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
3.28	Spoil and cover-soil surfaces will be shaped to allow free-drainage throughout the final rehabilitated areas to prevent water logging and subsidence.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
3.29	Soil compaction in the final rehabilitated surface land use areas will be minimised by dumping sufficient soil per square unit to allow a once-off levelling on top, which will prevent compaction lower down in the soil profile.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
3.30	Soil amelioration will be done after rehabilitation according to soil analyses.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
3.31	Erosion on the exposed disturbed land use areas as well as rehabilitated land will be minimised by the establishment of a vegetation cover as soon as possible after replacement of soil. The rehabilitated workings will be seeded in accordance with identified suitable seed mixture.	NC	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).  However, during the site inspection erosion was observed at the following areas: -Down gradient of the dam wall all the way downgradient towards the Schoonies dam
3.32	If necessary during windy conditions, dust suppression will be undertaken with raw water in rehabilitated areas.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021). Continuous dust suppression is undertaken.
3.33	Any remaining carbonaceous material will be covered with noncarbonaceous material or removed from the mining infrastructure areas before soil is replaced and the surface is rehabilitated.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021). All carbonaceous material is being covered with non-carbonaceous material.

3.34	Spillages of carbonaceous materials, hydrocarbons or other contaminating substances on soil will be prevented, but where such events do occur, the spilled material and affected soil will be cleaned up immediately in accordance with the Landau Colliery Emergency Procedure, and the soil will be rehabilitated.	NC	During the site inspection, chemical spillages were noted: -Spills are observed around the Lime Mixing Tank. -Large quantities of water noted spilling over from washing bay, and ponding in the road. -The Acid Dam Pump system indicated various spills and water beyond the contained areas of the pump.
3.35	Any remaining stockpiled subsoil and topsoil will be removed, either through the rehabilitation of the final void(s), or for rehabilitation elsewhere within the mine boundary areas.	T/N	Khwezela Colliery notes the condition.
3.36	Compaction of soils will be prevented by minimising vehicle movement over rehabilitated areas, and restricting movement of vehicles through rehabilitated areas to designated pathways.	T/N	Khwezela Colliery notes the condition.
3.37	Implementation of measures to minimise adverse impacts on topography, soil, vegetation, surface water, groundwater, and air quality will contribute to the commencement of the recovery of the soil to natural conditions.	T/N	Khwezela Colliery notes the condition.
<b>LAND CAPABILITY</b>			
3.38	Implementation of measures to minimise impacts on topography, soil, vegetation, surface water, groundwater, and air quality will enable the end land capability objectives to be achieved.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
3.39	Implementation of measures to restore topography, and manage incidences of localised surface subsidence and soil erosion within the rehabilitated areas will ensure that the land capability is maximised in rehabilitated opencast areas.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
3.40	Implementation of measures to manage impacts on topography, soil, vegetation, surface water and air quality will contribute to achieving of the end land capability objectives for the Schoongezicht No.2 Seam mini pit.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
3.41	The compacting of overburden, levelling of replaced soil, and planting of vegetation cover suited to the end land use objectives will be undertaken to ensure that the surface will be capable of supporting future township development and sports facilitation.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).

3.42	Implementation of measures to minimise impacts on topography, soil, vegetation, surface water, groundwater, and air quality will enable the end land capability objectives to be achieved.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
3.43	Management of impacts on topography, soil, surface water and groundwater will ensure that the end land capability objectives will be achievable.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
3.44	The surface area(s) to be affected by final open voids will be minimised while simultaneously achieving the objective of groundwater decant management. Implementation of groundwater management measures will ensure that the impacts on land capability are minimised.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
3.45	Mowing of vegetation covering facilities that have been rehabilitated in situ will be done manually, since use of heavy machinery to mow the vegetation would likely damage the surface, promoting erosion of the soil, leading to consequent surface water, groundwater and air quality impacts in future.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
3.46	Use of in situ rehabilitated facilities for grazing will be prohibited, since hooves could damage the rehabilitated surface and promote erosion and consequent surface water and groundwater impacts.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
3.47	Management of topography, soil, land capability, vegetation, surface water, groundwater and air quality impacts will ensure that rehabilitated areas will be able to support grazing, and will enable the end land use objectives of the mine to be achieved.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
3.48	Rehabilitated areas will be actively monitored and maintained.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
3.49	The sustainable productive use of land which is not used for mining activities will be maximised and controlled.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
<b>LAND USE</b>			
3.50	Rehabilitated areas will be maintained until they are self-sustaining, or for at least 3 years, before being released for grazing or other appropriate long-term sustainable uses.	T/N	Khwezela Colliery notes the condition.

3.51	End land use objectives will be finalised in consultation with the relevant authorities.	T/N	Khwezela Colliery notes the condition.
3.52	Implementation of the measures stipulated in No.3.46 - 3.47 will reduce the significance of this impact on the vegetative productivity of the applicable surface area.	C	The condition 3,46 and 3,47 are compliant
3.53	The rehabilitated surface of the discard facility will be inspected regularly and repaired or maintained where necessary (refer also to No.2.103).	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
3.54	The surface area(s) to be affected by water management and treatment infrastructure will be minimised while simultaneously effectively managing and / or treating mine water.	T/N	Khwezela Colliery notes the condition.
3.55	Implementation of the measures stipulated in the following commitments will ensure that impacts of the continued operation of water management infrastructure on land capability and land use will be minimised: No.2.36, 2.37, 2.41, 2.44, 2.46, 2.74, 2.75, 2.77, 2.79, 2.80, 2.84, 2.85, 2.88, 2.89, 2.90, 2.105, and 2.107.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). No operational activities have occurred.
<b>VEGETATION</b>			
3.56	Vegetation cover inspection of rehabilitated land will be conducted.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
3.57	Backfilled and rehabilitated workings and prepared surface infrastructure footprint areas will be seeded with an appropriate seed mixture.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
3.58	Vegetation cover inspection of rehabilitated land will be conducted.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
3.59	All declared alien weeds will be effectively controlled.	C	No AIP Management is undertaken on site as alien and invasive trees are used to assist in Phytoremediation (removing contaminated groundwater).
3.60	Where necessary, implementation of dust control measures (refer to No.3.98-3.100) will indirectly minimise such impacts on surrounding vegetation.	C	Refer to Conditions 3.98-3.100 and Khwezela Colliery notes the condition.

3.61	Management of the impacts on soil, surface water and groundwater would indirectly manage the impacts on wetland vegetation.	T/N	Khwezela Colliery notes the condition.
<b>ANIMAL LIFE</b>			
3.62	Rehabilitated areas will be inspected.	C	Khwezela Colliery take note of the condition. Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
3.63	Management of topographical, soil, surface water, groundwater and sensitive landscapes impacts will ensure that the impacts on aquatic habitats will be minimised.	C	Khwezela Colliery notes the condition. Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
3.64	Implementation of commitment No.2.30 - 2.35 will reduce the significance of the potential impacts of rehabilitation and other decommissioning activities on animal life.	C	Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
3.65	Implementation of the measures stipulated in No.3.49 to 3.51 will ensure that the end land use objectives will be achieved.	C	Refer to conditions No.3.49 to 3.51 and Khwezela Colliery notes the condition.
<b>SURFACE WATER: GENERAL</b>			
3.66	If a Water Use Licence is granted to Landau Colliery under Chapter 4 of the NWA, 1998, the conditions of the Licence will continue to be implemented.	C	Khwezela operates in accordance with conditions stipulated in the approved Water Use Licence.
3.67	Auditing of compliance with the IWWMP commitments (and if a WUL is granted, to the conditions of the Licence) will be conducted regularly in accordance with the timeframes set by the DWA or committed to in the IWWMP.	C	Khwezela operates in accordance with conditions stipulated in the approved Water Use Licences. The audits are conducted as and when required by the issued Water Use Licenses.
3.68	All new infrastructure will be designed to comply with GN 704, 1999, under the NWA, and where existing infrastructure does not comply, Exemption will be sought or the infrastructure will be upgraded accordingly, where applicable.	C	The auditors verified that Khwezela Navigation Colliery complies with the GNR 704 and compliance audits are conducted annually.

3.69	Compliance with Regulations GN 704, titled “Regulations on use of water for mining and related activities aimed at the protection of water resources”, dated June 1999, under the NWA, 1998 (Act 36 of 1998), will be audited annually, and reported to the DWA.	C	The auditors verified that Khwezela Navigation Colliery complies with the GNR 704 and compliance audits are conducted annually.
3.70	Employees and contractors will be trained to identify activities that would impact on the surface water aspect of the mine, such as overflow of pollution control dams, spillages of contaminating substances such as diesel, carbonaceous material, etc. Furthermore, they will be informed on the environmental emergency procedure, and will be trained to contact the appropriate person to report such incidents.	C	Khwezela Colliery provides training and information to its employees on the environmental emergency procedures.
<b>SURFACE WATER: QUANTITY</b>			
3.71	No mitigation measures are applicable.	T/N	Khwezela Colliery take note of the condition.
3.72	The rehabilitated surface of the discard facilities will be inspected regularly and repaired or maintained where necessary.	T/N	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025, approved 08 November 2021).
3.73	This impact will be limited to the within the surface area occupied by the water storage facilities and final open voids, thereby minimising the loss of runoff to the receiving catchments.	T/N	The condition is noted by Khwezela Colliery.
3.74	Little to no mitigation of the remaining impact on surface water quantity after surface rehabilitation will be possible during the Decommissioning Phase, since the treatment of AMD will have greater benefit to the environment and public than the restoration of catchment yield would be by allowing the AMD to discharge to the receiving wetlands and catchment areas.	T/N	The condition is noted by Khwezela Colliery.
3.75	Implementation of the management measures stipulated in No.3.10 to 3.18 will ensure that the long-term impacts on surface water catchment yield and groundwater recharge rates will be minimised.	C	Refer to Conditions 3.10 to 3.18.
<b>SURFACE WATER QUALITY</b>			

3.76	Erosion on the exposed disturbed land use areas as well as rehabilitated land will be minimised by the establishment of a vegetation cover as soon as possible after replacement of soil. The rehabilitated workings will be seeded in accordance with identified suitable seed mixture.	C	Good environmental management practice was observed in the approach to erosion control on exposed disturbed and rehabilitated land use areas. Erosion is effectively minimised through the prompt replacement of soil followed by the timely establishment of a vegetation cover. The rehabilitated workings are seeded in accordance with an approved and suitable seed mixture, demonstrating a proactive commitment to effective rehabilitation, soil stabilisation, and long-term landform sustainability.
3.77	If necessary during windy conditions, dust suppression will be undertaken with raw water in rehabilitated areas.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025, approved 08 November 2021).
3.78	Clean and dirty water separation berms will only be removed from rehabilitated areas once the vegetation has become self-sustaining and erosion of rehabilitated soils is unlikely to occur.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025, approved 08 November 2021).
3.79	Until the surface water management system is removed, the surface diversion berms and drains will be kept free from any obstructions (debris) to ensure that the efficiency is not affected. Changes to the layout of the storm water control measures will be implemented, if required, to accommodate actual conditions and to enhance the efficiency of the management system.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025, approved 08 November 2021).
3.80	Repair of damages to the clean and dirty water separation infrastructure due to erosion and scouring of areas will be performed following storm events.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025, approved 08 November 2021).
3.81	Normal continuous maintenance throughout Life of Mine will also be performed for all slopes, berms and points of discharge (i.e. clearing of silts and sediments washed into drains, erosion marks will be filled up again, berms will be kept intact, etc.).	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025, approved 08 November 2021).
3.82	Decanting acid mine water will be collected, stored in dirty water management facilities until it is treated and re-used or discharged, based on the long-term water management strategy and conditions of relevant authorisations.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025, approved 08 November 2021).
3.83	Continuous managing, improvement and monitoring of the water balances will be undertaken to identify risk areas and excess water volumes, and for reporting on conditions on a monthly base.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025, approved 08 November 2021).

3.84	Contaminated surface water will not be allowed to flow or be intentionally discharged to the receiving environment without being treated first, and without the applicable authorisations.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
3.85	Decanting acid mine water will be collected, stored in dirty water management facilities until is treated and re-used or discharged, based on the long-term water management strategy and conditions of relevant authorisations.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
3.86	Implementation of measures described in No.2.54-2.58 and 2.66 - 2.73 will ensure that contamination of surface water due to contact with contaminating and / or hazardous materials will be minimised.	T/N	The condition is noted by Khwezela Colliery.
<b>SURFACE WATERCOURSE ALTERATION</b>			
3.87	No new watercourse alterations or changes of the current watercourse alterations will be undertaken without the prior appropriate authorisations.	T/N	The condition is noted by Khwezela Colliery.
<b>SURFACE WATER: FLOODING</b>			
3.88	Any new infrastructure constructed as part of the rehabilitation measures during the Decommissioning Phase will be located outside the 1:100-year flood line of watercourses draining the study area.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
3.89	Rehabilitated areas and remaining surface infrastructure will be inspected.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
<b>GROUNDWATER</b>			
3.90	A long-term water management strategy will be developed during the Operational Phase, and will be finalised prior to the onset of the Decommissioning Phase. The strategy will consider the capture, containment and effective treatment of contaminated decant from mined out workings and seepage from discard disposal facilities, as well as other possibilities such as the lowering of the groundwater levels in mined out workings or use of final open voids, using the best available and feasible technology while implementing best environmental practice.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).

3.91	Coarse discard and carbonaceous material will be placed back into the pits to the pre-mining coal horizon. This will ensure that once groundwater levels in the backfilled areas inundate the carbonaceous layers, the availability of oxygen for the generation of acid mine drainage will be limited, and will significantly minimize long-term groundwater impacts.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
3.92	As stipulated in No.2.119, contaminated groundwater resulting from the discard disposal facilities at the Navigation Section will be abstracted and treated (treatment options are currently under investigation). It is anticipated that this will reduce the risk of contamination of the surrounding groundwater environment.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
<b>AIRQUALITY</b>			
3.93	Where necessary, dust suppression will be undertaken with clean water in rehabilitated areas.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021). Currently there is no need for dust suppression as the areas vegetated.
3.94	Rehabilitated areas will be seeded as soon as possible after replacement of soil, to minimise potential dust generation.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).  All rehabilitated area are seeded as soon as possible after the replacement of soil.
3.95	Air quality impacts will be similar to those experienced during the Operational Phase. Implementation of measures stipulated in No.1.90-1.93, 2.122, 2.123, 2.128-2.131 will ensure that negative Decommissioning Phase impacts will be suitably minimised.	T/N	Khwezela Colliery notes the condition.
<b>NOISE</b>			
3.96	Implementation of the noise management measures stipulated in No. 1.100-1.103, 105 and 107 will ensure that noise impacts during rehabilitation are minimised.	N/A	Kromdraai Section, Umlalazi and Schoongezicht which are no longer operational. Kromdraai Section and Schoongezicht are under rehabilitations and the Umlalazi section is sold .
3.97	Dismantling of redundant surface infrastructure will be done during the daytime, and will be limited on weekends.	T/N	Khwezela Colliery notes the condition.

3.98	No mitigation is required.	T/N	Khwezela Colliery notes the condition.
<b>SENSITIVE LANDSCAPES</b>			
3.99	Management of surface water and groundwater impacts will indirectly mitigate impacts on receiving wetlands and aquatic habitats.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
3.100	Implementation of soil and surface water management measures will prevent or minimise the potential impacts on wetlands and aquatic habitats.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
3.101	The conservation management plan for the Clewer Nature Reserve, adjacent to the west of the Navigation West Section, will continue to be implemented as compensation for the loss of the pan in the Navigation West Section; North Block opencast area.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
3.102	The effectiveness of the conservation management plan will be audited annually.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
<b>HISTORICAL AND CULTURAL ASPECTS</b>			
3.103	Implementation of the measures in No.2.142 and 2.143 will ensure that any sites of historical or cultural importance (such as graveyard GY01 at Navigation West section) will be prevented or minimised	C	All sites of historical and/or cultural importance will be protected as during operations.
<b>VISUAL ASPECTS</b>			
3.104	Implementation of the management measures stipulated in No. 3.6, 3.10-3.13, and No.3.19-3.22 will indirectly mitigate the operational impacts of Landau Colliery on the visual aspects of the study area.	C	Implementation of the management measures stipulated in No. 3.6, 3.10-3.13, and No.3.19-3.22 indirectly mitigate the operational impacts of Landau Colliery on the visual aspects of the area.
3.105	Implementation of commitments No.3.23 and 3.24 will ensure that the visual impacts of the remaining surface infrastructure will be minimised as far as practicable.	C	Implementation of commitments No.3.23 and 3.24 ensure that the visual impacts of the remaining surface infrastructure will be minimised as far as practicable.
3.106	No mitigation of visual impacts of final voids is possible.	T/N	The condition is noted by Khwezela Colliery.

3.107	Implementation of commitments No.3.39, 3.43, 3.44, and 3.48- 3.51 will ensure that the Operational Phase visual impacts will be reduced.	C	Implementation of commitments No.3.39, 3.43, 3.44, and 3.48- 3.51 do ensure that the Operational Phase visual impacts are reduced.
3.108	Once final rehabilitation has been completed, the negative visual impacts that will have occurred during the Operational Phase will cease, or be minimised (in the case of in situ rehabilitated infrastructure).	T/N	The condition is noted by Khwezela Colliery.
3.109	Implementation of commitments No.3.98 - 3.100 will ensure that visual impacts relating to dust generation will be minimised.	C	Implementation of commitments No.3.98 - 3.100 do ensure that visual impacts relating to dust generation is minimised.
<b>SOCIOECONOMIC IMPACTS</b>			
3.110	The impact of mine closure on businesses providing goods and services is unavoidable, as is the cessation of contribution to community projects. However, the impacts on employees would be mitigated by the continued implementation of the Social and Labour Plan.	C	Khwezela Social Labour Plan was provided during the audit.
3.111	Employees will be skilled and career progressed through the human resources development programme, which will enable them to acquire skills that will help them re-enter the work place after closure of the mine.	C	Khwezela Social Labour Plan includes employee development.
3.112	Anglo Operations Limited will, through the Social and Labour Plan (Processes pertaining to management of downscaling and retrenchments) and the relevant legislation, re-skill all employees to be retrenched. This will ensure that the employees affected by the closure of this mining operation can re-enter the workplace. Note, however, that the mine and the mining contractor June still use the employees in other mining projects, hence retrenchments June not occur.	C	Khwezela Social Labour Plan includes employee development.
3.113	As coal is a fossil fuel, it is a non-renewable resource. The impacts of the depletion of coal on national, regional and local socio-economic aspects are unavoidable, and no mitigation is possible.	T/N	Khwezela Colliery notes the condition.
3.114	Implementing measures to ensure that the land capability and end land use objectives can be achieved will ensure that the anticipated future long-term socio-economic impacts will be possible.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021).
<b>INTERESTED AND AFFECTED PARTIES</b>			

3.115	Implementation of measures to mitigate impacts on topography, soils, vegetation, surface water and air quality will indirectly mitigate negative visual impacts.	C	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025, approved 08 November 2021).
3.116	Communication with I&APs will continue through the Decommissioning Phase - refer to commitment No.'s 1.123 - 1.127.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
3.117	In addition to implementing measures to manage impacts on surface water, signs will be erected within the mine boundary area, and for a reasonable distance downstream, in strategic locations to warn people of the unsuitability of the water for domestic use or watering of animals. Measures will be taken to try to minimise vandalism of such notices.	C	Sufficient signage was observed during the site inspection.
3.119	Implementation of soil and surface water management measures will prevent or minimise the potential impacts on downstream water users.	C	Khwezela operates in accordance with the approved Water Use Licences.
3.120	Implementation of groundwater management measures will ensure that potential impacts on groundwater users will be avoided. However, should groundwater monitoring show that the yield and quality of the groundwater of surrounding users are affected, an alternative water resource will be provided to replace the loss.	T/N	Khwezela Colliery notes the condition.
3.121	Implementation of measures to ensure that the pre-mining land capability is restored as far as practicable, and that the land is used for long-term sustainable activities.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
3.122	Implementation of the measures stipulated in commitment No.1.135 - 1.140 will ensure that possible impacts on the Sasol gas pipeline are avoided.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). No construction activities have occurred.
3.123	Continued supply of mine water to the EWRP for treatment will ensure that the onward supply of potable water to the Local Municipality will continue.	C	Mine water is piped to the EWRP for treatment and distributed to Emalahleni Local Municipality.
<b>4. POST CLOSURE</b>			
<b>GEOLOGY</b>			
4.1	Replacement of overburden into mined out voids will have taken place throughout the Operational and Decommissioning Phase. No further management of	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Post closure activities have not yet commenced.

	geological impacts will be required during the Post-Closure Phase.		
4.2	The size of the voids will be minimised, while being of sufficient capacity to accommodate groundwater ingress to the pit and direct rainfall. The required size and capacity of the possible final voids will be determined during the Operational and Decommissioning Phases, and will require no further management during the Post Closure Phase.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Post closure activities have not yet commenced.
<b>TOPOGRAPHY</b>			
4.3	Monitoring of backfilled areas for localised subsidence and cracking, and maintenance thereof where necessary, will need to be conducted after Closure to minimise the consequent impacts on surface water and groundwater, as well as land capability and safety of land users.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Post closure activities have not yet commenced.
4.4	The impact of in situ rehabilitated facilities on the topography will be permanent, and is unavoidable if surface water and groundwater impacts are to be managed sustainably. No mitigation of the direct impact on topography is possible. Mitigation of the indirect impacts on land capability, land use, surface water and groundwater is described below, relative to the environment aspect under consideration.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Post closure activities have not yet commenced.
4.5	Water management infrastructure required for the continued containment of mine water prior to treatment thereof after mine closure will need to be operated to comply with legislative requirements (e.g. GN 704) and maintained. Which of the water management measures will remain in use, and whether or not they should be modified to cope with Post-Closure conditions, will be determined during Closure planning in the Decommissioning Phase, and will be subject to the relevant required authorisations (e.g. Water Use Licence under the NWA, 1998).	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Post closure activities have not yet commenced.
<b>SOIL</b>			

4.6	Monitoring and repair of the soil where necessary, e.g. where erosion has occurred, should be undertaken throughout the Operational and Decommissioning Phases, to ensure that the recovery of the soil to pre-mining conditions will be possible, and to ensure that the soil will be self-sustaining during the Post Closure Phase.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Post closure activities have not yet commenced.
<b>LAND CAPABILITY AND LAND USE</b>			
4.7	Refer to No.4.2.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Post closure activities have not yet commenced.
4.8	Refer to No.4.3.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Post closure activities have not yet commenced.
4.9	Management of the surface will be taken over by a third party, subject to end land use agreements.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Post closure activities have not yet commenced.
4.10	Management of the surface will be taken over by a third party, subject to end land use agreements.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Post closure activities have not yet commenced.
<b>SENSITIVE AREAS</b>			
4.11	The conservation management plan for the Clewer Nature Reserve, adjacent to the west of the Navigation West Section, will continue to be implemented as compensation for the loss of the pan in the Navigation West Section; North Block opencast area. The effectiveness of the conservation management plan will be audited annually.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Post closure activities have not yet commenced.
4.12	Post-closure decant management (capture and treatment) will indirectly mitigate impacts on receiving wetlands and aquatic habitats.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Post closure activities have not yet commenced.
<b>SURFACE WATER AND GROUNDWATER</b>			

4.13	A long-term water management strategy will be developed during the Operational Phase, and will be finalised prior to the onset of the Decommissioning Phase. The strategy will consider the capture, containment and effective treatment of contaminated decant from mined out workings and seepage from discard disposal facilities, as well as other possibilities such as the lowering of the groundwater levels in mined out workings or use of final open voids, using the best available and feasible technology while implementing best environmental practice.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Post closure activities have not yet commenced.
<b>VISUAL ASPECTS</b>			
4.14	Rehabilitated areas and remaining surface infrastructure will need to be inspected after extreme storm events and maintained or repaired where necessary.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Post closure activities have not yet commenced.
4.15	Management of the surface will be taken over by a third party, subject to end land use agreements.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Post closure activities have not yet commenced.
4.16	No mitigation of visual impacts of final voids is possible.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Post closure activities have not yet commenced.
4.17	Implementation of commitments No.3.39, 3.43, 3.44, and 3.48- 3.51 will ensure that the Operational Phase visual impacts will be reduced. Once final rehabilitation has been completed, the negative visual impacts that will have occurred during the Operational Phase will cease, or be minimised (in the case of in situ rehabilitated infrastructure).	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Post closure activities have not yet commenced.
<b>SOCIOECONOMIC IMPACTS</b>			
4.18	No mitigation required.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Post closure activities have not yet commenced.
<b>INTERESTED AND AFFECTED PARTIES</b>			
4.19	No mitigation required.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Post closure activities have not yet commenced.
4.20	Refer to No.4.14	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Post closure activities have not yet commenced.
4.21	Refer to No.4.15.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Post closure activities have not yet commenced.

4.22	Implementation of long-term groundwater management measures will ensure that potential impacts on groundwater users will be avoided. However, should groundwater monitoring show that the yield and quality of the groundwater of surrounding users were affected during the Operational or Decommissioning Phase of the mine, an alternative water resource will continue to be provided to replace the loss.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Post closure activities have not yet commenced.
4.23	Continued supply of mine water to the EWRP for treatment will ensure that the onward supply of potable water to the Local Municipality will continue.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Post closure activities have not yet commenced.

**TABLE 4. ENVIRONMENTAL AUTHORISATION FOR THE PROPOSED LANDAU COLLIERY LIFEX EXTENSION PROJECT, ON PORTIONS 0, (RE) OF FARM SCHOONGEZICHT 308 JS, T3830/ 1GG2, PORTION 0 (RE), 15 AND 21 OF THE FARM BLAAUWKRANS 323 JS, EMALAHLENI LOCAL MUNICIPALITY, MPUMALANGA PROVINCE ISSUED BY DEPARTMENT OF AGRICULTURE, RURAL DEVELOPMENT, LAND AND ENVIRONMENTAL AFFAIRS (REF NO. 17/2/3N-343) ON 19 APRIL 2016**

SCOPE OF THE AUTHORISATION			
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.	C	Noted. Khwezela Navigation Colliery understand that the conditions of the Environmental Authorisation are binding. Khwezela Navigation Colliery appoints an independent, external environmental service provider to conduct annual audits to verify its compliance with the conditions of this authorisation and its associated EMPr. This report represents the annual environmental audit report compiled by NTC Group (Pty) Ltd for the audit period 2024/2025 and the compliance results are provided herein.
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	The condition is noted and accepted by Khwezela Navigation Colliery. Khwezela Navigation Colliery communicates the requirement for compliance with its Environmental Authorisations, EMPRs and Water Use Licence through awareness programs which include site induction and toolbox talks.
3.3	The activity which is authorised June only be carried out at the property indicated above.	C	Khwezela Navigation Colliery has carried out the activities on the properties approved in the environmental authorisations. No deviation was noted during the site inspection.
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 June be effected. In assessing whether to grant such approval or not, the Department June request such information as it deems necessary to evaluate the significance and impacts of such changes or deviations and it June be necessary for the holder of the authorisation to apply for further authorisation in terms of the regulations.	T/N	The condition is noted and accepted by Khwezela Navigation Colliery. No changes or deviations to the project description were undertaken during the audit period (June 2024-June 2025) .
3.5	In the event that the impacts exceed the significance as predicted in the Environmental Impact Assessment Report, authorisation June be suspended after proper procedures have been followed.	T/N	The condition is noted and accepted by Khwezela Navigation Colliery.
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	The condition is noted and accepted by Khwezela Navigation Colliery.

3.7	The Department June change or amend any of the conditions of this authorisation if, in the opinion of the Department, it is environmentally justified.	T/N	The condition is noted and accepted by Khwezela Navigation Colliery.
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	The activity has commenced and this condition falls outside of scope.
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	The condition is noted and accepted by Khwezela Navigation Colliery.
3.10	This authorization does not negate the holder of the authorization, responsibility to comply with any other statutory requirements that June be applicable to the undertaking of the activity.	T/N	The condition is noted and accepted by Khwezela Navigation Colliery. Khwezela Navigation Colliery understands it must comply with any other legal requirements that June be applicable to the activity.

#### APPEAL OF 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 the scope of the audit period(June 2024-June 2025).
3.12	The notification referred to above, must —		
a	a) Specify the date on which the authorisation was issued;	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025).
b	b) Inform the interested and affected party of the appeal procedure provided for in Chapter 7 of the Regulations; and	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025).
c	c) Advise the interested and affected party to the manner in which the decision can be accessed;	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025).
d	d) 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.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025).

#### MANAGEMENT AND MONITORING OF THE ACTIVITY

3.13	The Environmental Management Programme (EMPr) dated March 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 Environmental Management Programme (EMPr) dated March 2015 and submitted as part of the Environmental Impact Assessment Report is being implemented and adhered to throughout the lifecycle of the activity.
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 the scope of the audit period(June 2024-June 2025). No construction activities were undertaken during the audit period and the mine is currently in operational phase.
13.4.1	The ECO must be appointed before the commencement of construction and the Department must be notified of such an appointment for communication purposes.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). No construction activities were undertaken during the audit period and the mine is currently in operational phase.
13.4.2	The ECO must oversee and monitor the success of all rehabilitation activities.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). No construction activities were undertaken during the audit period and the mine is currently in operational phase.
13.4.3	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 must 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 is beyond the scope of the audit period (June 2024-June 2025). No construction activities took place during this timeframe, and the mine is presently in the operational phase.
13.4.4	The ECO must maintain the following on site: - A Site diary - Copies of all reports submitted to the Department. - A complaints' register of all environmental complaints regarding the proposed project and the remedies applied to such complaints	T/N	This condition is beyond the scope of the audit period (June 2024-June 2025). No construction activities took place during this timeframe, and the mine is presently in the operational phase.
13.4.5	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.	N/A	This condition is beyond the scope of the audit period (June 2024-June 2025). No construction activities took place during this timeframe, and the mine is presently in the operational phase.

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.	N/A	This condition is beyond the scope of the audit period (June 2024-June 2025). No construction activities took place during this timeframe, and the mine is presently in the operational phase.
3.16	The Department retains the right to monitor and/ or inspect the proposed development during both construction and operational phases.	T/N	The condition is noted and accepted by Khwezela Navigation Colliery.
<b>COMMISSIONING AND OPERATION OF THE ACTIVITY</b>			
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 the scope of the audit period(June 2024-June 2025).
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 the scope of the audit period(June 2024-June 2025).
3.19	Areas to be disturbed by the proposed project must be limited to the planned footprint as indicated on the mining plan.	C	Khwezela Navigation Colliery has carried out the activities on the footprint approved in the environmental authorisations. No deviation was noted during the site inspection.
3.20	The movements of construction personnel and vehicles must be limited to the construction areas and clearly demarcated access roads.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). There was no construction activity during the audit period.
3.21	A First Aid Team must be trained and equipped with adequate equipment should a health and safety incident occur.	C	Khwezela Navigation Colliery employees and contractors undertake mandatory first aid training as part of the contractual obligations.
3.22	All Employees must undergo the necessary safety training and wear the necessary protective clothing at all times.	C	Khwezela Navigation Colliery employees and contractors undertake mandatory safety training as part of the contractual obligations and must adhere to all PPE requirements as required onsite.
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.	C	During the site inspection, sufficient fire firefighting equipment was observed throughout the site.

3.24.1	No waste must be disposed of or buried on site, or in any other location that is not a licensed waste disposal site.	NC	During the site inspection, several waste management issues were noted: - In the Crusher Area on the eastern side of the conveyor, waste disposal activities were observed in this location. - Behind the LDV Workshop in the Salvage Area, waste presumed to originate from the workshop, such as plastic bags, was found being disposed of there. - At the Acid Dam near the old settling pumps, waste dumping activities were observed.
3.24.2	Storm water must be prevented from coming into contact with material that could pollute the water.	C	During site inspections, stormwater management channels were observed as a well-defined system designed to separate clean water from contaminated water.
3.25	Stringent measures must be applied to suppress dust emanating from the construction site.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). There was no construction activity during the audit period.
<b>3.26. Storm water management must adhere to the following:</b>			
3.26.1	Any point of overland discharge must be located at least 30m away from a wetland, riparian zone or dam and overland discharge must occur over areas that have a minimum vegetation cover of 80%.	C	All overland discharge points are located at least 30m away from the wetland, riparian zone or dame.
3.26.2	All mechanisms for dissipating water energy must be implemented at the inception of the construction phase.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). There was no construction activity during the audit period.
3.26.3	Flows leaving the site must be suitably attenuated, specifically for storm events with a return frequency of up to the 1:5-year return frequency.	C	Stormwater attenuation design parameters adhere to condition parameters as verified in the navigation mine complex water balance basis of design compiled by Golder (October 2017)
3.26.4	The rate of storm water runoff must be reduced by using mechanisms such as the construction of earth berms, grassed swales and armourflex lined channels and the construction of energy breakers at storm water outlet structures.	C	Earthed berms and lined channels were observed onsite.
3.26.5	Sediment trapping facilities must be employed during the construction phase.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). There was no construction activity during the audit period.
3.26.6	Storm water management must be designed to promote infiltration and slow the release of runoff into wetlands and watercourses.	C	Storm water management has been designed to meet infiltration condition parameters through the use of controlled outlet channels.
3.26.7	The Contractor is responsible for ensuring that there is access to clean drinking water for all employees on site.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). There was no construction activity during the audit period.

3.27	Berms must be placed along sensitive areas to screen off unpleasant views on to the open pit mining activities and these berms must be rehabilitated with indigenous vegetation.	T/N	The condition is noted and accepted by Khwezela Navigation Colliery.
3.28	Mining related machinery and vehicles must be serviced on a regular basis to ensure noise suppression mechanisms are effective.	C	A maintenance schedule is in place for machinery and vehicle that ensures that the run efficiently resulting in noise suppression.
3.29	All conveyors used for the transportation of coal must be covered during coal transportation.	C	During the site inspection, covers were observed on the coal conveyors.
3.30	Trucks transporting coal must be covered with tarpaulin to prevent coal spillages on the roads.	C	No non-conformance was observed during the site inspection.
3.31	Stockpiles and storage yards must be located in designated areas only.	C	Stockpiles and storage yards are located on the footprint approved in the environmental authorisations. No deviation was noted during the site inspection.
3.32	Soils that become compacted through the activities of the development must be loosened to an appropriate depth to allow seed germination.	C	During the site inspection, no concerns regarding soil compaction were observed.
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	This condition falls outside the scope of the audit period(June 2024-June 2025). No construction was undertaken during the audit period.
3.34	An increase in dust due to mining activities and related infrastructure to surrounding areas must be mitigated accordingly.	C	All dust due to mining activities is accordingly being mitigated, through use of dust suppressants .
3.35	Dust must be suppressed by spraying water on access roads and construction site and construction vehicles must adhere to the specified speed limits.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). There was no construction activity during the audit period.
3.36	Scouring, erosion or sedimentation of all watercourses must be prevented, and the stability of watercourses June not be detrimentally affected.	NC	Erosion is present down gradient of the middel dam wall all the way downgradient.
3.37	The contractor must ensure that there is always a supply of absorbent material readily available to absorb/breakdown spills.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). There was no construction activity during the audit period.
3.38	The Contractor must prevent pollution of surface or groundwater from the release, accidental or otherwise of contaminated water as a result of construction activities.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). There was no construction activity during the audit period.

3.39	Rehabilitation must be done concurrently or progressively with the activity and on cessation of the activity.	C	Rehabilitation was done concurrently with the operation of the mine
<b>GENERAL</b>			
3.40	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	An electronic and hard copy of the Environmental Authorisation is retained by Khwezela Navigation Colliery and is available upon request.
3.41	Non Compliance with a condition of this authorisation result in criminal prosecution or other aims provided for in the National Environmental Management Act, 1998 and the regulations.	T/N	The condition is noted and accepted by Khwezela Navigation Colliery.
3.42	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 authorisation as set out in this document or any other subsequent document emanating from these conditions of authorisation.	T/N	The condition is noted and accepted by Khwezela Navigation Colliery.

**TABLE 5. ENVIRONMENTAL MANAGEMENT PROGRAMME FOR IMPACTS FOR LANDAU COLLIERY LIFEX EXTENSION PROJECT (DMRE. REF NO. MP 30/1/1/2/3/2/1 (306) (EM) APPROVED 06 OCTOBER 2016**

<b>7.9.1 CONSTRUCTION PHASE</b>			
<b>7.9.1.1. Geology</b>			
7.9.1.2.	Blasting will be conducted by a certified blasting technician in accordance with specialised and localised blasting techniques in order to prevent any possible impact on surrounding or underlying geological strata.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
<b>7.9.1.3. Topography</b>			
	Stockpiled soil and non-carbonaceous overburden will be used in the concurrent rehabilitation of the progressive open cast voids as soon as possible in order to limit the duration of the impact on the topography.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.4.	Concurrent rehabilitation will take place during the operational phase.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
<b>7.9.1.5. Soil</b>			
7.9.1.6.	Soils will be stripped at specified depths in order to prevent stripping of lower quality subsoil together with topsoil.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.7.	The topsoil stockpiles will be removed as soon as practical during rehabilitation.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.8.	Due to the small amount of excavated soil it will be impractical to store for backfilling during the decommissioning phase. However, the footprint area over which the soil is disturbed during the construction of the fencing will be minimised as far as practicable to correspondingly minimise the disturbance of the soils.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.

7.9.1.9.	The removal of vegetation will be restricted to the planned mining and infrastructure areas only. Re-vegetate any unnecessarily exposed soil immediately.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.10.	Stockpiles will be vegetated as soon as possible to maintain the microbial components in the soils, as well as to minimise the loss of soil througherosion.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.11.	The existing Standard of Practice (SOP) for soil management and environmental hazard management will be modified to include the EMP commitments pertaining to the Lifex Extension Project. The revised SOP will be used to train the applicable mining personnel and contractors prior to the commencement of the ConstructionPhase.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.12.	Vehicles will be checked for hydrocarbon leakages before being employed near or at the initial box-cut area.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
<b>7.9.1.13.Land capability</b>			
	Areas to be disturbed by the establishment of the initial box-cuts, borrow pits and fencing will be limited to the planned footprint areas only. This will be facilitated by clearly designating the areas within which stripping of soils, and removal of soils and overburden will take place as a matterof standard practice.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.14.	Implementation of the soil management measures (above) will also mitigate impacts on land capability.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
<b>7.9.1.15. Land use</b>			
	Areas to be disturbed by the establishment of the initial box-cuts will be limited to the planned footprint areas of the box-cuts as indicated on the mine plan. This will be facilitated by clearly designating the areas within which stripping of soils, and removal of soils and overburden will take place as a matter of standard practice.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.

7.9.1.16.	Environmental impacts will be managed so as to minimise environmental liability, thus maximising profits and revenue, thus maximising positive impacts on socio-economy.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
<b>7.9.1.17. Vegetation</b>			
	Areas to be disturbed by the establishment of the initial box-cuts will be limited to the planned footprint areas of the box-cuts as indicated on the mine plan. This will be facilitated by clearly designating the areas within which stripping of vegetation will take place ahead of mining.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.18.	Conservation Biodiversity Management Areas (CBMAs) and corridors linking the CBMA's will be identified taking the ecology and wetland specialists' recommendations (refer to the Ecology report in Appendix D2 and the Wetland report in Appendix D6) into consideration and incorporated into Landau Colliery's existing Biodiversity Action Plan (BAP).	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.19.	The CBMA's of high biodiversity conservation value identified as above will be fenced, where feasible, and protected. The fencing used to demarcate and protect the CBMA's will be designed so as not to hinder animal movement.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.20.	No mitigation possible that will reduce the significance of this impact. However, a wetland offset strategy is being developed which will be implemented during the Operational Phase which will enable this impact to be deemed more acceptable. Phase 1 of the Wetland Offset Strategy has been completed – refer to the report attached as Appendix D14.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.21.	It will be ensured that all areas of surface disturbance are located more than 100m from the seasonal hydromorphic soils of the valley-bottom wetland, wherever practicable.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.22.	Informal crossings of vehicles or machinery over these wetlands will be avoided.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.23.	Sedimentation and erosion will be minimised by constructing water management berms and applying dust suppression measures (e.g. watering of access and haul roads).	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.

7.9.1.24.	CBMA's, and corridors linking the CBMA's that will have been identified during the Design and Planning Phase will be fenced, where feasible and protected (refer also to Ref. no. 7.9.1.18).	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.25.	As per the Conservation of Agricultural Resources Act (Act No. 43 of 1983), weeds and alien invader plants will be monitored and controlled within the construction footprint and immediate surrounds.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.26.	All construction activities will be restricted to fenced areas.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.27.	All hazardous substances will be stored on impervious surfaces that allow for the containment of spills and leakages (e.g. bunded areas). Should spills occur, these will be reported to the Environmental Coordinator.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.28.	All open cast areas will be rehabilitated progressively upon completion of mining.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.29.	Footprint areas of all proposed infrastructure situated within untransformed vegetation for the Declining and Protected species known to occur, will be searched for species requiring protection prior to commencement of construction activities.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.30.	Protected species will be rescued and placed in a nursery or donated to a research institute (e.g. SANBI or botanical garden) prior to mining, and will not be destroyed. Where feasible, viable populations of such species will be translocated to degraded or untransformed areas within the study area which provide potentially suitable habitats; such translocations will be carried out in a manner that ensures that no ecological degradation of the host habitat occurs, and will be evaluated by a botanist for each species and each potential translocation area.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.31.	The required authorisation(s) for the destruction of any Protected species in accordance with the MNCA (Act no. 10 of 1998) will be obtained, and/or preferably plants will be rescued and translocated as described in 7.9.1.32 above.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.

7.9.1.32.	The CBMA's, and corridors linking the CBMA's that will have been identified in the BAP during the Design and Planning Phase will be fenced, where feasible, using a five-strand cattle fence, and apply access control to these areas. Progressive re-vegetation of all disturbed areas will be carried out.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.33.	The movements of all construction personnel will be limited to construction areas and clearly demarcated access roads.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
<b>7.9.1.34. Vegetation</b>			
	Implementation of the topsoil management measures identified previously in this table is expected to contribute to a reduction in the significance of this impact, since the seed bank in the topsoil will be replaced when the topsoil is replaced during rehabilitation. While this will likely not totally counteract the full impacts of soil stripping and vegetation clearing on the seedbanks within the soils, the pre disturbance seed banks will not be entirely lost.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.35.	Access to these CBMA's will be strictly controlled.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.36.	Movements of all construction personnel will be limited to fenced construction areas and clearly demarcated access roads.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.37.	The movement of construction / mining vehicles and machinery will be limited to predetermined routes along the access and haul roads as well as the initial box cut areas.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.38.	Low speed limits (60 km/hr) will be imposed for vehicles and machinery.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
<b>7.9.1.39. Animal life</b>			
	Same as Ref. no.'s 7.9.1.37 and 7.9.1.38, above.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.

<b>7.9.1.40. Surface Water Flow Patterns</b>			
7.9.1.41.	A surface water monitoring programme will be implemented to verify the impacts on surrounding water environment.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.42.	Infrastructure designed to divert clean runoff around the box-cut area and to keep affected surface water runoff from the mining area contained, will be implemented and maintained.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.43.	The infrastructure will be constructed under the supervision of a suitably qualified engineer.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.44.	Damming of clean water will be prevented.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
<b>7.9.1.45. Surface Water Quantity</b>			
	An Application for Integrated Water Use Licence under Chapter 4 of the NWA will be submitted to the DWS.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.46.	The existing Landau Colliery surface water monitoring programme will be revised to include proposed new monitoring points for the Lifex Extension project (described in Part 9) and implemented to verify impacts on surrounding water environment.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.47.	The proposed surface water management infrastructure (described in Part 2 of this document and in the Surface Water Specialist Study and Design Report, attached in Appendix D10) will be constructed and commissioned as soon as practicable during the Construction Phase.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.48.	The proposed surface water management infrastructure will be constructed under the supervision of a suitably qualified engineer.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.49.	The extent of the disturbed and potentially contaminated areas will be kept to a minimum.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.

7.9.1.50.	Areas where dirty construction activities are carried out (e.g. servicing areas and workshops, fuel storage areas, waste storage areas) should be minimised and surrounded by bund walls	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.51.	Upslope runoff should be diverted around construction activities, in so far as is practically possible.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.52.	The revised mine water balance (described in Part 2 of this document and in the Surface Water Specialist Study attached in Appendix D10) will be updated, verified through water monitoring, and managed according to the DWS Guidelines.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.53.	The mining window will be kept to pre-strip, one open cut and two spoil rows, i.e. these areas will be considered unavailable but all other areas will be concurrently rehabilitated.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.54.	Surface water management measures, such as storm water canals, sediment traps and PCDs will be constructed first to ensure that runoff and dirty water spills are contained.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
<b>7.9.1.55. Surface Water Quality</b>			
	Any clean catchment draining towards the overburden stockpiles will be diverted around by means of clean water diversion canals.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.56.	The overburden stockpiles will be located within the designated dirty water area.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.57.	Where practically possible, runoff and seepage from the overburden stockpiles will be directed to the opencast workings.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.58.	Where an overburden stockpile cannot drain to the dirty water system, a series of continuous paddocks will be provided at the toe to collect any runoff and seepage and contain / evaporate the water.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.

7.9.1.59.	Water quality monitoring will be undertaken downstream of the construction areas before and during construction, where practical, in order to detect any increase in suspended solids or turbidity. Refer to Part 9 for a detailed description of the proposed surface water monitoring programme.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.60.	Groundwater monitoring, via boreholes, will also be undertaken on the downgradient of the overburden stockpile. Refer to Part 9 for a detailed description of the proposed groundwater monitoring programme.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.61.	Surface water management measures, such as storm water canals, sediment traps and PCDs will be constructed first to ensure that runoff and dirty water spills are contained.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.62.	Water that is pumped out of the box cut in the dirty water system will be contained to prevent it from contaminating the clean catchment areas.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.63.	Infrastructure designed to divert clean runoff around the box-cut area will be implemented and maintained to keep surface water runoff from the mining area contained.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.64.	The surface water management infrastructure will be constructed under the supervision of a suitably qualified engineer.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.65.	The water will be contained at the site, in Erikson dams and from there pumped to PCDs. Water will be used for make-up to the coal processing plant, dust suppression for haul roads, to assist with construction or pumped to the EWRP for treatment.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.66.	Surplus water will be pumped to the EWRP.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.67.	No contaminated water will be discharged or allowed to flow into the surrounding environment without the required authorisations.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.68.	Hydrocarbon spillages should be avoided, but if they occur will be neutralised and cleaned up immediately. Refer also to Ref. no.'s 7.9.1.11 and 7.9.1.12. - 10 1 5 1 16 LOM Environmental Coordinator.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.

7.9.1.69.	Once the hydrocarbon spillage has been cleaned up the soils will be tested, rehabilitated and fertilised if necessary.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.70.	Vehicles and machinery will be maintained and repaired on a regular basis.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.71.	All spills that have the potential to pollute the receiving environment including water resources will be reported to the relevant Authorities, such as the DWS and MDEDET as required in terms of the respective legislation. All spillages will be contained and cleaned up and all contaminated material will be disposed of in accordance with legislative requirements.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
<b>7.9.1.72. Groundwater Quantity</b>			
	An Integrated Water Use Licence under Chapter 4 of the NWA, 1998, will be applied for prior to commencement of construction.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.73.	A groundwater monitoring programme will be implemented to verify impacts on surrounding water environment.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.74.		N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.75.	Groundwater influx to the initial opencast pit will be pumped to the surface for reuse within the dirty water management area or treatment at the eMalaheni Mine Water Reclamation Plant(EWRP).	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.76.	No additional groundwater will be removed from the mining area, and no water removed from the open pit will be discharged or allowed to flow into the surrounding environment.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
<b>7.9.1.77. Groundwater Quality</b>			
	A surface water monitoring programme will be implemented to verify impacts on the surrounding water environment.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.

<b>7.9.1.78. Air Quality</b>			
	Dust suppression will take place at the initial box- cut following blasting to minimise dust emissions as far as practicable. Blasting during windy conditions will be avoided wherever possible.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.79.	Water retained within the dirty water management system will be used for dust suppression. The volume of water used for dust suppression will be controlled to ensure that excessive ponding or runoff is not generated.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.80.	Dust emission from haul roads will be controlled through wet and/or chemical stabilisation.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.81.	Strict speed control will be implemented on the gravel roads within the project boundary area.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.82.	Movement of haul trucks will be restricted to purpose-built haul roads within the Lifex Extension Project boundary area, as well as to predetermined routes outside of the boundary area.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.83.	Water retained within the dirty water management system will be used for dust suppression. The volume of water used for dust suppression will be controlled to ensure that excessive ponding or runoff is not generated.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.84.		N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.85.	The frequency of disturbance of surfaces that could result in dust emissions will be minimised as far as practicable.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.86.	Exposed areas will be re-vegetated as soon as practicable.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.87.	Disturbed soil will be stabilised through chemical or vegetative means.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.

7.9.1.88.	AO's buying policy will continue to be implemented to ensure that new and replacement equipment and vehicles purchased incorporate emission reduction technology.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.89.	All vehicles and machinery will be well maintained.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.90.	Construction of the berm/barriers and mine infrastructure near receptors will take place only during the day. No night-time construction of the berm/barriers and infrastructure will take place within 500 meters of a receptor.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.91.	In line with Anglo American's policy, vehicles that are purchased will have a cab sound pressure level of below 85 dB.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.92.	Equipment and vehicles will be well-maintained and fitted with the correct and appropriate noise abatement measures.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.93.	Viability of using white noise (not tonal) reverse alarms on vehicles traversing the proposed site will be assessed.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.94.	A mine representative will discuss the calculated noise levels with receptors, materials stockpile, and opencast pit areas near receptors of Schoongezicht, Vosman, Clewer communities as well as at NSD09 (if receptors are not required to be relocated). The mine representative will indicate that construction activities will be short-term.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.95.	The mine will also consult with a blasting specialist if/when blasting occurs near receptors specifically the communities of Clewer and Schoongezicht.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.96.	The mine will conduct noise monitoring as described in Part 9 of this document.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.97.	If a valid and reasonable complaint is registered at the mine relating to the operation of the facility additional noise measurements will be undertaken.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.

7.9.1.98.	The mine will implement a means of communication. All potential sensitive receptors will be made aware of the mine employee contact numbers. The mine will maintain a commitment to the local community and respond to concerns in an expedient fashion. Sporadic and legitimate noise complaints could develop. For example, sudden and sharp increases in sound levels could result from mechanical malfunctions.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
<b>7.9.1.99. Sensitive landscapes</b>			
	Soil stripping activities will be limited to the footprint of the proposed opencast pits only.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.100.	Either the development footprint or the adjacent wetlands will be fenced off to prevent access to the wetland areas.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.101.	All wetland areas adjacent to the mining areas will be clearly demarcated as such and all staff educated as to the sensitivity of the wetland areas.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.102.	Sediment barriers (refer to Appendix 2 in wetland report, attached as Appendix D6) will be installed between stripped areas and downslope wetlands.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.103.	The possibility of implementing wetland offsets as a means of mitigating against the loss of wetland habitat within the Lifex Extension Project boundary area are being investigated during the Design and Planning Phase. A wetland offset strategy is being developed by a suitably qualified person using the SANBI offset guideline methodology. If authorisation is granted, management of the offset wetland area(s) will continue throughout the life of mine of the proposed Lifex Extension Project.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.104.	Vegetation clearing and earthworks will be limited to as small an area as possible, preferably no larger than the direct footprint of the proposed development.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.105.	Bare soil areas falling outside the direct footprint will be re-vegetated as soon as possible.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.

7.9.1.106.	Where practically possible, the major earthworks will be undertaken during the dry season (roughly from June to September) to limit erosion due to rainfall runoff.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.107.	A construction storm water management plan will be implemented that aims to limit sediment movement off site and prevents the concentrated discharge of flows and high velocity discharges off site.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.108.	All clean water from upslope will be diverted around the opencast area.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.109.	Surface run-off from the opencast area will be retained before treatment and / or re-use.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.110.	Sediment barriers or low berms will be installed along the downslope edge of the opencast areas to trap sediments.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.111.	All clean water from upslope will be diverted around the opencast areas. Discharge points (of clean upslope runoff) to wetlands will incorporate sediment traps and will encourage low velocity, diffuse flows through the receiving wetland.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.112.	Hydrocarbon spillages will be avoided as far as possible, but if such incidents occur, they be cleaned up immediately.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.113.	Once the hydrocarbon spillage has been cleaned up the soils will be tested, rehabilitated and fertilised if necessary.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.114.	Vehicles and machinery will be maintained and repaired on a regular basis to minimise the likelihood and frequency of possible hydrocarbon spills.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.115.	All spills that have the potential to pollute the receiving environment including water resources will be reported to the relevant Authorities, such as the DWS and MDEDET as required in terms of the respective legislation.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.

7.9.1.116.	All spillages will be contained and cleaned up and all contaminated material will be disposed of or bioremediated for re-use in accordance with legislative requirements.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
<b>7.9.1.117. Visual aspects</b>			
	Implementation of mitigation measures for the management of impacts on soil, vegetation and air quality will indirectly also contribute to minimising the expected visual impacts.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
<b>7.9.1.120. Sites of Archaeological and cultural importance</b>			
	Graves in this graveyard will be exhumed and relocated by a reputed undertaker or forensic archaeologist following the required public consultation period and in accordance with legislative requirements (obtaining the applicable authorisation(s)).	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
<b>7.9.1.121. Socioeconomic aspects</b>			
	A skills development programme for the duration of the Lifex Extension Project will be developed by AO.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.122.	Educational programmes will be awarded to residents who live in a two kilometre radius of the Navigation Section. The selection process will be transparent and will include both men and women.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.123.	All unskilled labour used during construction will be preferentially sourced from local labourers who live within a one kilometre radius of the Navigation Section of Landau Colliery, if feasible.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.124.	Contractors will only be employed on condition that they preferentially employ people from the local community who live within a one kilometre radius of the Navigation Section mine boundary area. Only if skilled labour is required and cannot be sourced from within the 1 km radius, will other labour be considered.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.125.	Where possible, AO will support local SMME's.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.

7.9.1.126.	Landau Colliery will continue its training initiatives in the local community.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
<b>7.9.1.127. I&amp;APs</b>			
	Noise management measures as described previously will be implemented to reduce the anticipated noise-related impacts on I&APs.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.128.	Air quality management measures as described previously will be implemented to reduce the anticipated dust-related impacts on I&APs.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.129.	Management measures to reduce visual impacts as described previously will be implemented to reduce the impacts on I&APs associated with the anticipated change in sense of place.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.130.	Dust suppression will be implemented within the disturbed surface area and in the box-cut.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.131.	A pre-blasting video/photographic survey will be conducted on all surface structures within a 500 m radius of the proposed mining activities. Should it be proven that any damage occurred to structures after this survey specifically due to the blasting activities at the Landau Colliery Lifex Extension Project, the mine will assist the owners of these structures in repairing the damage or provide an alternative management measure that is acceptable to the impacted party.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.132.	The Lifex Extension Project will be included into the existing Landau Colliery programme for continuous monitoring of blast vibration and airblast as described in Part 9 of this document.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.133.	All complaints received regarding blasting will be followed up and tests will be done to determine if the blasting was the problem within 60 days of the complaint being received.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.134.	Adequate warning will be provided to the surrounding communities to notify them of blasting activities.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.

7.9.1.135.	Should haulage trucks be used in future: Haulage routes outside the mine boundary are will be predetermined and communicated to the surrounding communities.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.136.	Landau Colliery will conduct education campaigns on awareness of sexually transmitted diseases.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.137.	Landau Colliery will continue to contribute to the eMalahleni Municipality's community development programme. Such contributions will be made more visible to the surrounding communities through communication.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.138	Communication channels between Landau Colliery and the surrounding communities will be renewed and strengthened and the appropriate contact details will be distributed through the communities.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.139.	Landau Colliery will continue to consider suggestions from the local communities regarding possible community upliftment projects.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.140.	As part of its Community Development Programme, Landau Colliery will consider supporting a SMME to provide public transport from KwaMthunzi Vilakazi (formerly Clewer) to Vosman and eMalahleni.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.141.	Landau Colliery has no control over the migration or movement of people to the local area in search of work. However, the mine remains committed to preferentially sourcing unskilled labour from within 1km of the Navigation Section of Landau Colliery (see Ref. no. 7.9.1.123), as well as the allocation of local economic development initiatives and other community focused initiatives such as awarding of bursaries to youths in the surrounding communities.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities have completed.
7.9.1.142.	Access to the opencast pits and other infrastructure areas at the proposed Landau Colliery Lifex Extension Project will be strictly controlled, with the construction of an appropriate barrier (e.g. fence and trenches) being undertaken during the Construction Phase.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Khwezela Navigation Life Extension is currently in operational phase. Construction activities are completed.
<b>7.10.1 OPERATIONAL PHASE</b>			

<b>7.10.1.2. Topography</b>			
	Measures will be implemented to manage the indirect impacts on surface water and visual aspects, as discussed under the relevant environmental components in this table. Management of the indirect impacts will in turn mitigate the direct impacts that that the opencast mining activities will have on the topography. Concurrent rehabilitation of mined out voids will minimise the impact on topography and related aspects, during the Operational Phase of the project by reducing the extent of disturbance at any time.	T/N	Khwezela Navigaiton Colliery Management accepts this EMPr commitment.
<b>7.10.1.3. Soil</b>			
	Soils will be stripped at specified depths in order to prevent stripping of lower quality subsoil together with topsoil.	C	Stripping of soils is undertaken according to the Rehabilitation Plan. The rehabilitation plan outlines the specific depth for soil stripping.
7.10.1.4.	Open pits will be backfilled and spoil surfaces will be levelled and shaped to a free draining topography similar to the pre-mining surface.	C	Concurrent rehabilitation is conducted and verified during the site inspection.
7.10.1.5.	Topsoil will be dumped in sufficient quantities to achieve agreed land capability.	C	Topsoil dumped in quantities as prescribed in the Topsoil Management Procedure developed for Khwezela Navigation Colliery.
7.10.1.6.	Soil amelioration and revegetation will be done as described in section 7.2.3 to 7.2.6 in the specialist soil report.	T/N	The condition is noted and accepted by Khwezela Navigation Colliery.
7.10.1.7.	The removal of vegetation will be restricted to the planned mining and infrastructure areas only. Any unnecessarily exposed soil will be re-vegetated immediately.	C	The opencast activities are undertaken within the approved footprint area and no unnecessary clearing of vegetation was noted during the site inspection.
7.10.1.8.	Stockpiles will be vegetated as soon as possible to maintain the microbial components in the soils, as well as to minimise the loss of soil through erosion.	T/N	The condition is noted and accepted by Khwezela Navigation Colliery.

7.10.1.9.	The existing Standard Operating Procedure (SOP) for soil management and environmental hazard management will be modified to include the EMP commitments pertaining to the Lifex Extension Project.	C	Upon perusal of Topsoil Management Procedure, Khwezela Hydrocarbon and Chemical Handling Procedure, Khwezela Incident Reporting and Management Procedure and the Landau Stabilizing Potential Sinkhole Areas Procedure, it was noted that the EMP commitments pertaining to the Lifex Extension Project are included. These include management of soil contamination by the hazardous material. It must be noted that the construction activities for Lifex Extension Project are completed.
7.10.1.10.	Vehicles will be checked for hydrocarbon leakages before being employed.	C	All vehicles are inspected, and a start-up checklist is completed and signed off before they are put into use. If the inspection uncovers any issues, these are documented and reported to the relevant department for resolution. Spillages are managed in accordance with the Khwezela Hydrocarbon and Chemical Handling Procedure and the Khwezela Colliery Incident Reporting and Management Procedure.
	Spillages will be avoided; if they do occur, they will be contained, the affected area cleaned and the affected soil will be bioremediated before being reused for rehabilitation. If bioremediation is not possible, polluted soils will be disposed of at an appropriately licenced hazardous waste facility.	T/N	The condition is noted and accepted by Khwezela Navigation Colliery.
7.10.1.11.	Mining vehicles and machinery will be limited to access and haul roads as well as disturbed in-pit areas.	C	During the site inspection, it was verified that mining vehicles and equipment are restricted to access and haul roads, and only disturb areas within the pit.
7.10.1.12.	Soil erosion in undisturbed as well as rehabilitated areas will be prevented through implementation of appropriate measures such as establishing vegetation.	T/N	The condition is noted and accepted by Khwezela Navigation Colliery.
7.10.1.13.	Employees will be trained through the environmental awareness programme.	C	Employees are trained through induction and through monthly topics. Induction and monthly topics were provided during the audit period.
<b>7.10.1.14. Land Capability</b>			
	Mitigation of impacts on soil, surface water and groundwater will ensure that the impacts on land capability are minimised.	C	Khwezela Navigation Colliery Management understands this EMPr commitment.

7.10.1.16.	Suitable rehabilitation procedures will enable the land capability of disturbed land use areas to support the agreed end land capability. Such procedures will include the soil management measures discussed in this table.	C	The following procedures are enacted to ensure effective rehabilitation that supports the agreed-upon land capability at the end of the project: The Landau Dozing Standard (AATC014529) outlines the necessary actions during dozing operations, focusing on leveling spoil to restore the area's topography. This aims to enhance re-vegetation, improve free drainage, and reduce the risks of future erosion and water pollution. The Landau Dozing Procedure (AATC016055) details the steps to be taken during spoil leveling and final contouring to minimize environmental impacts. The Landau Vegetation Monitoring Procedure (AATC016070) specifies the requirements for soil preparation, maintenance, vegetation establishment, production monitoring, and addressing issues in rehabilitated areas. Lastly, the Landau Topsoil Management Procedure (AATC016071) covers the procedures for removing, stockpiling, and monitoring topsoil, including controlling its thickness to ensure proper management during rehabilitation.
7.10.1.17.	Landau Colliery will ensure that rehabilitation of the opencast area commences, at any given time no more than the pre strip area, one open cut and two spoils rows are unavailable for rehabilitation.	C	The navigation area remains an active mining site, with ongoing rehabilitation efforts being carried out simultaneously.
7.10.1.18.	Furthermore, mitigation of impacts on soil, surface water and groundwater will ensure that the impacts on land capability are minimised.	C	This EMPr commitment is implemented by Khwezela Navigation Colliery Management.
<b>7.10.1.19. Land Use</b>			
	Mitigation will be the same as for land capability (Ref. no.'s 7.10.1.14-7.10.1.18, above).	C	Refer to conditions 7.10.1.14-7.10.1.18 above.
7.10.1.23.	Environmental impacts will be managed so as to minimise environmental liability, thus maximising profits and revenue, thus maximising positive impacts on socio-economy. See also Ref. no.'s 7.9.1.121-126, and 7.9.1.136-140 in Table 7.9(Construction Phase EIAMAP).	C	This EMPr obligation is implemented by Khwezela Navigation Colliery Management.
7.10.1.25	Areas to be disturbed by the opencast pits will be limited to the planned footprint areas of the opencast-cuts as indicated on the approved mine plan. This will be facilitated by clearly designating the areas within which stripping of vegetation will take place ahead of mining.	C	Based on the evaluation of the Google Earth image and the approved layout plan, all opencast activities are being carried out within the designated footprint area, and no unnecessary vegetation clearing was observed.
<b>7.10.1.26. Vegetation</b>			

7.10.1.27.	The wetland offset project that would have commenced during the Construction Phase will continue to be implemented, and conservation of wetland habitats offsite will thus continue.	C	A Wetland offset strategy was investigated for Khwezela Navigation Colliery. Wetland Mitigation Strategy for Khwezela Navigation Colliery: Navigation Lifex Extension Project (dated June 2017) and compiled by Wetland Consulting Services (Pty) Ltd., presents offset target areas. The Wetland Mitigation Strategy Report determine the required wetland offset targets calculated as per the guidelines developed by SANBI & DWS (2014). All possible actions for the preparation of implementation of the wetland offset strategy have been undertaken by Khwezela.
7.10.1.28.	No unplanned and unauthorised surface disturbance will take place within 100m from the seasonal hydromorphic soils of the valley-bottom wetland.	C	According to the assessment of the Google Earth Image, no unplanned and unauthorised surface disturbance within 100m from the valley-bottom wetland was noted.
7.10.1.29.	No crossings of vehicles or machinery over these wetlands will take place unless appropriately licensed.	C	According to the Water Use Licence, haul road crossing over the Schoongezicht is authorised. No unauthorised crossing over wetland areas apart from the licenced was noted.
7.10.1.30.	Sedimentation and erosion from areas of surface disturbance will continue to be minimised through ongoing utilisation and maintenance of the dirty water isolation and management infrastructure.	C	The sustained maintenance of areas of disturbance ensures that sedimentation and erosion is minimised from areas of surface disturbance
7.10.1.31.	CBMA's, which will have been identified and fenced during the Design and Planning, and Construction Phases will continue to be managed towards achieving the applicable objectives as set out in the BAP.	C	Khwezela Navigation Colliery implements biodiversity and conservation managements and during the site inspection no concerns were noted.
7.10.1.32.	As per the Agricultural Resources Act (Act 43 of 1983), weeds and alien invader plants will continue to be monitored and controlled within the entire Landau Colliery mine boundary area, including the proposed Lifex Extension Project area.	C	According to the alien invasive eradication plan (dated November 2021) developed for the whole Khwezela Colliery, which includes the Lifex Extension Project, alien species such as black Wattle trees have been identified within the Lifex Extension Project area. The plan was developed and approved in November 2021. The plan is developed to initiate the monitoring and control of invasive species. Khwezela Navigation Colliery must ensure that the recommendations outlined in the plan are implemented to ensure continual improvement for the management of any identified alien species. The colliery therefore control and monitor weeds and alien invader plants in accordance to the approved plan
7.10.1.33.	All mining including the associated concurrent rehabilitation will be restricted to the predetermined, authorised areas, thus minimising the extent of the footprints of the disturbed areas as far as practicable.	C	According to the assessment of the Google Earth Image and the approved layout plan, all opencast activities are undertaken within the approved footprint area and no unnecessary clearing of vegetation was noted during the site inspection.

7.10.1.34.	Potential spillages of contaminating materials within the mining or rehabilitated mined out areas will be immediately reported to the Environmental Coordinator and cleaned up. Where possible, soils contaminated by hydrocarbon spills will be bioremediated and re-used for rehabilitation of disturbed areas within the Landau Colliery mine boundary area.	T/N	The condition is noted and accepted by Khwezela Navigation Colliery.
7.10.1.35.	All opencast areas will be rehabilitated progressively behind the active open cut(s).	C	Rehabilitation is concurrent with the mining operation as verified during the site inspection.
7.10.1.36.	Mitigation of the potential impacts on the wetlands within the study area (see Ref. no.'s 7.10.1.88- 7.10.1.103) will simultaneously contribute towards the mitigation of the impacts of opencast mining on the vegetation units associated with the wetland	C	This EMPr commitment is understood by Khwezela Navigation Colliery Management.
7.10.1.37.	Mitigation measures will be implemented to manage the impacts of the roll-over opencast mining to be used at the Landau Colliery Lifex Extension Project on the receiving water environment and wetlands, as described in Ref. no.'s 7.10.1.86-7.10.1.99.	C	Mitigating measures are continually being implemented to manage the roll-over opencast mining.
7.10.1.39.	The impacts and mitigation measures identified in Ref. no.'s 7.9.1.29-34 of Table 7.9 (Construction Phase EIAMAP) are also applicable to this environmental aspect throughout the Operational Phase. The amended layout of the activity will not result in a change to the existing impact identified.	T/N	Refer to conditions 7.9.1.29-34
<b>7.10.1.40. Animal Life</b>			
	The mitigation measures discussed in Ref. no. 7.9.1.35) will continue to be implemented during the Operational Phase, as they apply to the progression of mining and concurrent rehabilitation of the roll-over opencast mining method to be used at the proposed Lifex Extension Project.	T/N	The condition is noted and accepted by Khwezela Navigation Colliery.
7.10.1.41.	Movements of all mining personnel and contractors working will be limited to the progressing mining and concurrent rehabilitation areas and clearly demarcated access roads.	C	It was confirmed during the site inspection that movements of mining personnel and contractors working is limited to the progressing mining and on the clearly demarcated access roads.
7.10.1.44.	The surface water monitoring programme (described in Part 9) that will have commenced during the Construction Phase will continue to be implemented to verify the impacts of the progressive mining and concurrent rehabilitation on the surrounding water environment.	C	Surface water monitoring programme is implemented to determine the impacts of the progressive mining on the surrounding water environment. Surface water monitoring reports were provided for review during the audit period.

7.10.1.45.	Infrastructure designed to divert clean runoff around the mining area and to keep surface water runoff from entering the associated dirty water management areas will continue to be implemented and maintained.	C	It was confirmed during the site inspection that berms are constructed to divert clean runoff around opencast area. Furthermore, dirty water pipelines are utilised for the diversion of dirty water from the opencast areas to the East pollution control dam.
7.10.1.46.	Pooling of clean water will be avoided to ensure clean runoff flows unhindered to the receiving watercourses.	C	The berms around the opencast pits and dirty water areas are inspected regularly to check for blockages. Inspection reports were provided during the audit period. No pooling of clean water within the opencast footprint areas was noted during the site visit.
7.10.1.47.	The mining window will be kept to pre-strip, one open cut and two spoil rows i.e. these areas will be considered unavailable but all other areas will be concurrently rehabilitated.	C	Rehabilitation is concurrent with the mining operation as verified during the site inspection.
<b>7.10.1.48. Surface Water Quantity</b>			
	As previously indicated, application will be made for an Integrated Water Use Licence under Chapter 4 of the NWA to be issued by the DWS for the Water Uses (as defined in Section 21 of the NWA) that are expected to form part of the Lifex Extension Project, prior to commencement with any such Water Uses.	C	Khwezela Navigation Colliery is in possession of an approved WUL for the Lifex Extension Project with licence no.: 06/B11K/ACGIJ/5335 for the opencast mining areas.
7.10.1.49.	The infrastructure that will have been designed to divert clean runoff around the mining area and back into the catchment, and to keep surface water runoff from the mining area contained, will continue to be implemented, inspected regularly and maintained when necessary.	C	Khwezela Navigation Colliery employs berms to redirect clean water away from the open-cast areas, while pollution control facilities are used to store contaminated water originating from these areas. These structures are maintained and upgraded regularly. The Environmental Department at Khwezela Navigation Colliery conducts monthly inspections of these infrastructures. During the audit period, monthly monitoring reports were submitted for review.
7.10.1.51.	The mine water balance will continue to be managed monthly and updated annually and / or prior to any changes being made to the watermanagement system.	C	Daily abstraction and distribution volumes are recorded in an electronic database with the help of the SCADA system. Data collected from the SCADA system is utilized to update the water and salt balance model on a monthly basis. The monthly salt balance model was supplied during the audit.
7.10.1.52.	The mining window will be kept to pre-strip, one open cut and two spoil rows, i.e. these areas will be considered unavailable but all other areas will be concurrently rehabilitated.	C	Rehabilitation is concurrent with the mining operation as verified during the site inspection.
7.10.1.53.	The dirty footprint will be minimised through concurrent rehabilitation with rehabilitated areas draining back to the catchment.	C	Rehabilitation is concurrent with the mining operation as verified during the site inspection.
<b>7.10.1.54. Surface Water Quality</b>			

	Dirty water that will be pumped from the open pits will continue to be isolated and managed within a purpose-designed system, in compliance with the applicable legislative requirements.	T/N	The condition is noted and accepted by Khwezela Navigation Colliery.
7.10.1.55.	Infrastructure designed to divert clean runoff around the box-cut area will continue to be implemented and maintained to keep surface water runoff from entering the active mining area.	C	During the site inspection, it was verified that berms have been built to redirect clean runoff away from the open cast area. Additionally, pipelines designated for contaminated water are used to channel dirty water from the open cast zones to the East Pollution Control Dam.
7.10.1.57.	The dirty water generated within the open pits will be pumped to the purpose-designed storage facilities on the surface before being re-used fore.g. dust suppression, at the existing Navigation Plant, or being transferred to the EWRP for treatment and re-use.	C	The dirty water pipeline is used to divert contaminated water from the open-cast pits to the West PCD. If the capacity of the West PCD is exceeded, the excess water is pumped to the East PCD. Subsequently, this water is either reused for dust suppression at Navigation Pit or transferred to the EWRP for treatment and subsequent reuse.
7.10.1.56.	The management of dirty water will be aligned with the DWS's best practice guidelines as far as practicable, as well as being in line with the DWS's decision-taking hierarchy.	C	The design of the dirty and clean stormwater system was included in the application for the approved WUL.
7.10.1.58.	No contaminated water will be discharged or allowed to flow into the surrounding environment without the required authorisations.	T/N	The condition is noted and accepted by Khwezela Navigation Colliery.
7.10.1.59.	The mining window will be kept to pre-strip, one open cut and two spoil rows, i.e. these areas will be considered unavailable but all other areas will be concurrently rehabilitated.	C	Rehabilitation is concurrent with the mining operation as verified during the site inspection.
7.10.1.60.	The mine water balance will be managed as detailed in Sections 4 and 5 of the surface water specialist report (attached in Appendix D10).These measures include the following: Containment of all dirty water generated on the mine in lined PCDs sized to have a risk of spill of 2% or less in any one year.Pumping of excess dirty water for treatment, to the EWRP. Provision of water management facilities with a risk of spill that is lower than 2% in any one year.	C	The dirty water pipeline is used to divert contaminated water from the open-cast pits to the lined West PCD. When the capacity of the West PCD is reached, the excess water is pumped to the East PCD. This water is then either reused for dust suppression at Navigation Pit or transferred to the EWRP for treatment and subsequent reuse. Although some overflow from the West PCD was observed, the system is designed with a spill risk of 2%.
7.10.1.61.	A surface water quality monitoring programme will be implemented, as described in Part 9 of this document, to detect any impacts.	C	A surface water monitoring program was in place throughout the audit period, being carried out on a continuous basis, with monitoring activities conducted monthly. Surface water monitoring reports were submitted for review during the audit.

7.10.1.62.	A water balance monitoring programme will be implemented, as detailed in Section 11 of the surface water specialist report in Appendix D10, to enable calibration of the water balance.	C	A water balance monitoring program is in place. The quantities of water abstracted and disposed of are recorded in an electronic database using the SCADA system, which updates the water and salt balance data on a monthly basis. This process was observed during the audit period.
7.10.1.63.	In the event of a spill, emergency clean up and monitoring measures will be implemented and the applicable authorities will be notified in accordance with legislative requirements.	C	In the event of overflows, the overflowing dirty water from the PCD is captured at Schoonie dam and is not allowed to flow to clean areas but kept within the dirty mine areas.
<b>7.10.1.65. Groundwater Quantity</b>			
	No mitigation measures are available to prevent aquifer dewatering and the destruction of the aquifer structure. However, mining will be undertaken in accordance with the approved mine plan, thus limiting the extent of the disturbance of the geology, and thus the groundwater, to the planned footprint of the mining areas. This will simultaneously limit the associated expected 700 m radius of the drawdown cone that will form around the mining areas during the Operational Phase.	C	The opencast mining activities are undertaken within the approved footprint area
7.10.1.66.	As previously indicated, application will be made for an Integrated Water Use Licence under Chapter 4 of the NWA to be issued by the DWS for the Water Uses (as defined in Section 21 of the NWA) that are expected to form part of the Lifex Extension Project, prior to commencement with any such Water Uses.	C	Khwezela Navigation Colliery is in possession of an approved WUL for the Lifex Extension Project with licence no.: 06/B11K/ACGIJ/5335 for the opencast mining areas.
	Thus, it is anticipated that a WUL will be in place during the Operational Phase of the Lifex Extension Project, and the mine will adhere to the conditions of such a Licence during the LOM or for the duration of the implementation of these Water Uses.	C	Khwezela Navigation Colliery is in possession of an approved WUL for the Lifex Extension Project with licence no.: 06/B11K/ACGIJ/5335, which covers the opencast mining activities. The implementation of the IWUL is undertaken through the following: Conducting of the internal and external annual water use licence audits. Monthly inspections to ensure compliance with the water use licence. Furthermore, although non-compliances are identified from the auditing of the water use licence, action plans are compiled and implemented to ensure compliance with such specific condition in the IWUL.
7.10.1.67.	The groundwater monitoring programme (described in Part 9) that will have commenced during the Construction Phase will continue to be implemented to verify impacts on surrounding groundwater environment.	C	The groundwater monitoring program is implemented continuously, with groundwater quality assessments conducted quarterly. Monitoring reports were submitted for review during the audit period.

7.10.1.68.	Groundwater removed ahead of mining will be re-used within the existing mine water management system at the Navigation Section of Landau Colliery, with excess water being transferred for treatment at the eMalahleni MineWater Reclamation Plant (EWRP).	C	Based on the Water Balance, groundwater extracted from the open-cast areas is directed to the West PCD. This water is subsequently reused, and any surplus water is transferred to the EWRP for treatment.
7.10.1.69.	No water removed from the open pit will be discharged or allowed to flow into the surrounding environment, unless appropriately authorised.	C	Contaminated water from the open-cast pits is directed to the West PCD for storage, and when the West PCD reaches its full capacity, the excess water is pumped to the East PCD.
<b>7.10.1.70. Groundwater Quality</b>			
	Spillages of coal-bearing material outside the allocated dirty water management area during the Operational Phase will be prevented.	C	The following measures are taken to prevent the spillage of coal-bearing material: procedures are established and enforced for managing spills; environmental awareness among employees and contractors regarding spill prevention is promoted through induction presentations and monthly environmental toolbox talks. During the site visit, no spills of coal-bearing material outside the designated dirty water management area were observed.
7.10.1.71.	No construction or maintenance of any water management measures, such as storm water management measures will be undertaken with carbonaceous material.	C	During the site inspection it was confirmed that no maintenance of any water management infrastructures is undertaken using carbonaceous materials.
7.10.1.72.	Dirty water accumulated in the pit will be pumped to the surface and contained within purpose designed facilities, which will limit infiltration of contaminated water to the groundwater.	C	According to the Water Balance, groundwater removed from the opencast areas is diverted to the West PCD. The water is then used for re-use, with any excess water provided to EWRP for treatment.
7.10.1.73.	Monitoring of groundwater boreholes for waterlevel and quality aspects will continue to be undertaken as described in Part 9.	C	Monitoring of groundwater levels is conducted on monthly basis. Groundwater quality monitoring is conducted on quarterly basis. Results of the water qualities and levels were provided during the audit period.
7.10.1.74.	Water retained within the dirty water management system will be used for dust suppression. The volume of water used for dust suppression will be controlled to ensure that excessive ponding or runoff is avoided.	C	Based on the Water Balance, water affected by mining activities is used for dust suppression at the East PCD, reused within the dirty water system, or transferred to the EWRP for treatment. The quantities of contaminated water allocated for dust suppression were documented and reviewed during the audit period.
7.10.1.75.	Contact time between carbonaceous material and water will be minimised through the implementation of the water management system and the maintenance of surfaces to be free draining.	C	It was confirmed during the site inspection that PCD's are constructed for the containment of dirty water from dirty water areas.
7.10.1.76.	Contaminated water will be contained within the dirty water management system and will be reused.	T/N	The condition is noted and accepted by Khwezela Navigation Colliery.

7.10.1.77.	No contaminated water will be discharged or allowed to flow into the surrounding environment without the required authorisations.	T/N	The condition is noted and accepted by Khwezela Navigation Colliery.
7.10.1.78.	As mentioned previously, the groundwater monitoring programme that will have commenced during the Construction Phase (described in Part 9) will continue to be implemented to verify impacts on surrounding groundwater environment.	C	Ground water monitoring programme is implemented continuously, by conducting ground water monitoring on quarterly basis. Ground Water Monitoring reports were provided for review during the audit period.
7.10.1.79.	Mitigation of the potential impacts of hydrocarbon spillages on surface water (see Ref. no.'s 7.9.1.68 – 71 of Table 7.9 (Construction Phase EIAMAP)) and soil (see Ref. no.'s 7.9.2.5-7.9.2.9 of Table 7.9, and Ref. no.'s 7.10.1.9-10 of this table) will mitigate the resultant impacts thereof on the groundwater.	T/N	The condition is noted and accepted by Khwezela Navigation Colliery.
<b>7.10.1.80. Air Quality</b>			
	Dust suppression will take place following blasting to minimise dust emissions as far as practicable. Blasting during windy conditions will be avoided wherever possible.	C	Khwezela Navigation Colliery uses water cannons to control dust in the vicinity of the open-cast area. As per the Blasting Procedure, it is stated that blasting activities are not scheduled to take place during windy conditions.
7.10.1.81.	If the dust monitoring programme indicates that excessive dust is generated by the dragline, appropriate mitigation will be applied either by restricting the dragline drop height or implementing dust suppression measures.	T/N	The condition is noted and accepted by Khwezela Navigation Colliery.
7.10.1.82.	AO's buying policy will continue to be implemented to ensure that new and replacement equipment and vehicles purchased incorporate emission-reduction technology.	C	All machinery and vehicles used are equipped with exhaust systems and are kept well-maintained. No issues related to this were observed. The Thungela policy mandates that all new and replacement equipment and vehicles comply with relevant standards and legislative requirements, additionally integrating emission reduction technologies.
7.10.1.83.	All vehicles and machinery will be well maintained.	C	At Khwezela Navigation Colliery, all vehicles and machinery are maintained according to a scheduled plan (for example, LVDs are serviced every 5,000 km). This maintenance routine is monitored, recorded, and managed through a system called SAP.
<b>7.10.1.85. Noise</b>			
	The commitments that will be implemented during the Construction Phase will continue to be implemented during the Operational Phase. See Ref. no.'s 7.9.1.90 – 7.9.1.98 of Table 7.9 (Construction Phase EIAMAP).	C	No concerns regarding noise were noted during the audit.

<b>7.10.1.86. Sensitive Landscapes</b>			
	Soil stripping activities will be limited to the footprint of the proposed opencast pits only.	C	As per the approved layout plan, soil stripping activities are conducted within the designated footprint area, and no excessive clearing of vegetation was observed.
7.10.1.87.	The development footprint or the adjacent wetlands will be fenced off to prevent access to the wetland areas.	C	During the site inspection, it was observed that the colliery is adequately fenced.
7.10.1.88.	All wetland areas adjacent to the mining areas will be clearly demarcated as such and all staff educated as to the sensitivity of the wetland areas.	C	No concerns were noted regarding demarcation during the site inspection.
7.10.1.89.	Sediment barriers (refer to Appendix 2 in wetland report – see Appendix D6) will be installed between stripped areas and downslope wetlands.	C	Pre-strip activities involve the construction of berms between the cleared area and the open-cast pit. During the site inspection, it was verified that berms have been built around the open-cast zones.
7.10.1.90.	The possibility of implementing wetland offsets as a means of mitigating against the loss of wetland habitat within the Lifex Extension Project boundary area is being investigated during the Design and Planning Phase. A wetland offset strategy is being investigated and developed by a suitably qualified person using the SANBI offset guideline methodology (Phase 1 of the Wetland Offset Study has been completed – see the report attached in Appendix D14). If authorisation is granted, management of the offsite wetland area(s) will continue throughout the life of mine of the proposed Lifex Extension Project.	C	A Wetland offset strategy was investigated for Khwezela Navigation Colliery. Wetland Mitigation Strategy for Khwezela Navigation Colliery: Navigation Lifex Extension Project and compiled by Wetland Consulting Services (Pty) Ltd., which presents offset target areas. The Wetland Mitigation Strategy Report determine the required wetland offset targets calculated as per the guidelines developed by SANBI & DWS (2014).
7.10.1.91.	Vegetation clearing and earthworks will be limited to as small an area as possible, preferably no larger than the direct footprint of the proposed development.	C	According to the assessment of the Google Earth Image and the approved layout plan, all vegetation clearance of the opencast areas is limited to the approved footprint area and no unnecessary clearance of vegetation was noted.
7.10.1.92.	Bare soil areas falling outside the direct footprint will be revegetated as soon as possible.	C	According to the assessment of the Google Earth Image and the approved layout plan, no bare soil falling outside the direct footprint was noted. This was also confirmed during the site visit.
7.10.1.93.	As mentioned previously, sediment barriers (refer to Appendix 2 in wetland report – see Appendix D6) will be installed between stripped areas and downslope wetlands.	C	Pre-strip activities involve the construction of berms between the cleared area and the open-cast pit. During the site inspection, it was verified that berms have been built around the open-cast zones.
7.10.1.94.	The storm water management plan that was designed prior to the commencement of the Construction Phase will continue to be implemented. This will limit sediment movement off site and prevent the concentrated discharge of flows and high velocity discharges off site.	C	The stormwater management plant is being implemented.

7.10.1.95.	Clean water from upslope will continue to be diverted around the opencast area.	C	According to the assessment of the Google Earth Image, site visit conducted and a plan titled clean water drains model, berms are constructed to divert clean runoff around the opencast area.
7.10.1.96.	Surface run-off from the opencast area will be retained before treatment and / or re-use.	C	According to the Water Balance, all dirty water from the opencast areas is diverted to the West PCD for further re-use.
7.10.1.97.	As mentioned previously, sediment barriers (refer to Appendix 2 in wetland report – see Appendix D6) will be installed between stripped areas and downslope wetlands.	C	Pre-strip activities include the establishment of berms between the stripped area and the opencast pit. It was confirmed during the site visit that berms are constructed surrounding the opencast areas.
7.10.1.98.	Clean water from upslope will be diverted around the opencast areas and discharged back into the downslope wetland.	C	Berms are constructed to divert clean runoff around the box-cut area.
7.10.1.100.	The mining window will be limited to three cuts. This will contribute to minimising the heights and footprints of the overburden stockpiles behind the active mining area by continuous backfilling of opencast voids.	C	Rehabilitation is concurrent with the mining operation as verified during the site inspection.
<b>7.10.1.101. Visual Aspects</b>			
	Implementation of mitigation measures for the management of impacts on soil, vegetation and air quality will indirectly also contribute to minimising the expected visual impacts.	C	Khwezela Navigation Colliery Management implements this EMP commitment.
7.10.1.102.	Implementation of mitigation measures for the management of impacts on soil, vegetation and air quality will indirectly also contribute to minimising the expected visual impacts.	C	Khwezela Navigation Colliery Management implements this EMP commitment.
<b>7.10.1.103. Sites of Archaeological and Cultural Importance</b>			
	Graves in this graveyard will be exhumed and relocated by a reputed undertaker or forensic archaeologist following the required public consultation period and in accordance with legislative requirements (obtaining the applicable authorisation(s)).	C	The Graveyard GY01 has been relocated to the Clewer community, and evidence of the qualified undertaker or forensic archaeologist involved, along with details of the consultation process, was provided during the audit period.
<b>7.10.1.105. Socioeconomic Aspects</b>			
	The commitments in Ref. no.'s 7.9.1.121-126 of Table 7.9 (Construction Phase EIAMAP) will continue to be implemented.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Decommissioning activities have not yet commenced.
<b>7.10.1.106. I&amp;APs</b>			

7.10.1.107.	Should groundwater monitoring indicate that the yield of the groundwater of surrounding users has become affected, a third party will be appointed to determine if the impact is so significant that pre-mining water use cannot continue and whether it was caused by the planned mining activities. If it is determined that the mining activities are responsible for a significant impact, appropriate alternatives will be developed in consultation with the affected party.	T/N	The condition is noted and accepted by Khwezela Navigation Colliery.
<b>7.11.1. DECOMMISSIONING PHASE</b>			
<b>7.11.1.1. Geology</b>			
	Management of the material balance will ensure that sufficient material remains for the backfilling of the final void during the Decommissioning Phase.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
<b>7.11.1.3. Topography</b>			
	Infrastructure that will remain intact will be maintained by Landau Colliery until mine Closure is obtained, or until ownership of the said infrastructure and land is acquired by a third party in future.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.4.	Options for future use of the remaining facilities and buildings (e.g. letting or selling onwards to third parties) will be considered as part of the overall Landau Colliery Mine Closure Plan. See also impacts on land capability and land use, below, as well as the proposed Closure objectives in Part 7.7.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.5.	Permanent infrastructure such as the proposed and the Blaauwkrans Co-disposal facility will undergo final in situ rehabilitation to ensure that the potential impacts during the Decommissioning and Post-Closure Phases are minimised, and even prevented, as far as	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.6.	Implementation of measures to ensure sustainable restoration and rehabilitation of other environmental components such as soil, vegetation and surface water will simultaneously enhance the positive impacts on topography and the related effects on visual aspects.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.9.	Rehabilitation of the final void will take place once the last load of coal has been hauled from the last pit. The surface of the rehabilitated final void will be shaped to be free draining and to return runoff to the receiving catchment, as far as practicable.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.

7.11.1.10.	Implementation of measures to ensure sustainable restoration and rehabilitation of other environmental components such as soil, vegetation and surface water will simultaneously enhance the positive impacts on topography and the related effects on visual aspects.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.11.	The topography of the Schoongezichtspruit will be reinstated where necessary and made freedraining	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.12.	A detailed method statement and rehabilitation plan for the reinstatement and final rehabilitation of the Schoongezichtspruit will be submitted to the DWS with the applicable Water Use Licence Application during the Operational Phase, prior to the commencement of the Decommissioning Phase.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Decommissioning activities have not yet commenced.
<b>7.11.1.13. Soil</b>			
	Final void(s) will be backfilled and spoil surfaces will be levelled and shaped to a free draining topography (see also Ref. no. 7.11.1.9-10 above and Ref. no. 7.10.2.7 in Table 7.10 (Operational Phase EIAMAP)).	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.14.	Topsoil will be replaced in sufficient quantities to render a soil depth after levelling which is similar	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Decommissioning activities have not yet commenced.
	to the stripping depth (refer to Table 8 of the specialist soil report attached as Appendix D1).	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.15.	Soil amelioration and re-vegetation will be done as described in section 7.2.3 to 7.2.6 in the specialist soil report attached as Appendix D1.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.16.	The remaining footprint areas will be thoroughly cleaned and all road building material will be removed to a suitable disposal facility.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.17.	The remaining footprint areas will be ripped to alleviate soil compaction. After ripping, the rough surface will be smoothed with a disc or multiple tooth implement and then graded to a smooth surface.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.18.	Topsoil stored as berms on the road edges (during the Construction and Operational Phases) will be spread over the ripped and smoothed road footprint areas. The topsoil will be ameliorated according to soil chemical analysis.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.19.	The remaining footprint areas over which the soil would have been ripped and replaced will be re-vegetated so as to become self-sustaining.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Decommissioning activities have not yet commenced.

7.11.1.20.	Footing holes will be backfilled with soils from the surrounding areas.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.21.	The dam floors will be thoroughly cleaned and all polluted material will be removed to theBlaauwkrans Co-disposal facility (before the facility undergoes final rehabilitation).	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.22.	Soil material used for wall embankments will be spread over the floor of the borrow pit.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.23.	The topsoil that was stockpiled ahead of dam construction will be replaced on the surface.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.24.	Soil compaction will be alleviated by ripping.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.25.	Soil amelioration will be done according to analyses of soil samples taken after replacementof the stored topsoil.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.26	The rehabilitated dam footprints will be revegetated with an appropriate grass seed mixture that will ensure that the agreed end landcapability and land use will be achieved.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.27.	The upper 300 mm of topsoil will be excavated and placed away from the resulting trench.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.28.	The soils will be backfilled.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.29.	Soil amelioration and rehabilitation will take place as described in Ref. no.'s 7.11.1.25-26, above.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.30.	Carbonaceous materials will be removed from the footprint area of the tip area and ROM stockpile area, and disposed on the Blaauwkrans Co-disposal facility (before the facility undergoesfinal in situ rehabilitation).	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.31.	Ref. no.'s 7.11.1.17-19 will be implemented where compacted areas remain within theremaining tip area footprint.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.32.	Carbonaceous materials will be removed from the footprint area of the Workshop and office complex, and disposed on the Blaauwkrans Co-disposal facility (before the facility undergoes final in situ rehabilitation).	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.33.	Ref. no.'s 7.11.1.17-19 will be implemented where compacted areas remain within the remaining Workshop and office complexfootprint.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.

7.11.1.34.	The final shape of the disposal facility will achieve gradients suitable for re-vegetation.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.35.	The Co-disposal facility extension will be covered with a topsoil layer and re-vegetated with a suitable grass mixture with strong stabilizing capabilities.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.36.	Soils will be placed in such a manner to minimise potential erosion by ensuring slopes less than 1:6.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.37.	Erosion of rehabilitated surfaces will be repaired and controlled.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.38.	Rehabilitated areas will be monitored and remediated when / if necessary, until mine Closure is achieved.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.39.	The mitigation measures identified in Ref. no.'s 7.10.1.9-10 of Table 7.10 (Operational Phase EIAMAP) will also be applied here.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
<b>7.11.1.40. Land capability</b>			
	Backfilling of final void(s), shaping of the surface to be free-draining, and management of aspects such as soil, vegetation and surface water will ensure that the land capability will be restored to be able to support the agreed end land use objectives. As mentioned previously, if soil is managed throughout the Construction, Operational and Decommissioning Phases as committed to in Tables 7.9, 7.10 and above in this table, the possible land capabilities will be maximised for future land users.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.41.	Infrastructure that will remain intact will be maintained in good repair by Landau Colliery until mine Closure is obtained, or until ownership of the said infrastructure and land is acquired by a third party in future.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.42.	Implementation of the soil, vegetation and surface water management measures identified for the Construction, Operational and Decommissioning Phases of the Blaauwkrans Co-disposal facility extension will contribute significantly to the successful in situ rehabilitation of the said infrastructure.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.43.	Implementation of the soil management measures throughout the Construction and Operational Phases, as well as the Decommissioning Phase will ensure that the maximum agricultural land capability can will be achieved, in line with the planned Closure objectives, best environmental practice and sustainability principles.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.

<b>7.11.1.44. Land use</b>			
	Backfilling of final void(s), shaping of the surface to be free-draining, and management of aspects such as soil, land capability, vegetation and surface water will ensure that the land capability will be restored to be able to support the agreed end land use objectives. As mentioned previously, if soil is managed throughout the Construction, Operational and Decommissioning Phases as committed to in Tables 7.9, 7.10 and above in this table, the possibilities for post mining land use will be maximised.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.45.	Infrastructure that will remain intact will be maintained in good repair by Landau Colliery until mine Closure is obtained, or until ownership of the said infrastructure and land is acquired by a third party in future.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.46.	Implementation of the soil, land capability, vegetation and surface water management measures identified for the Construction, Operational and Decommissioning Phases of the Blaauwkrans Co-disposal facility extension and possible Schoongezichtspruit will contribute significantly to the successful in situ rehabilitation of the said infrastructure. While no alternative land uses will be possible in these areas, the self- sustaining rehabilitated surfaces will ensure that the likelihood that the permanent infrastructure will impact negatively on the receivingenvironment during the Post-Closure Phase is minimised (see also Part 7.5.5).	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
.11.1.48.	All contaminated water will be removed from site before all dirty water management infrastructure is removed and the remaining footprints are rehabilitated. The rehabilitation strategy will aim to minimise the potential for spillage of contaminated water to the receiving environment. No uncontrolled discharge or flow of contaminated water to the receiving catchment will be allowed during the Decommissioning Phase.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
<b>7.11.1.49. Vegetation</b>			
	As per the Conservation of Agricultural Resources Act (Act No. 43 of 1983), weeds and alien invader plants will continue to be monitored and controlled within the rehabilitated areas and their immediate surrounds. As mentioned previously, rehabilitated areas will be vulnerableto invasion by such species, and will accordingly be more intensively and closely managed.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.

7.11.1.50.	Soils used for the purpose of rehabilitation will not be obtained from areas invaded by alien plants, as this will serve to disperse seeds and other propagules of aliens, some of which have very long-lived seeds (e.g. <i>Acacia mearnsii</i> and <i>Acacia dealbata</i> )	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.51.	The storm water separation and dirty water area isolation berms will remain in place until the last of the rehabilitated areas have been successfully re-vegetated.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.52.	Dust suppression will be undertaken in open areas where rehabilitation is underway. Dust suppression will cease once all areas of bare soil have been successfully re-vegetated.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.53.	All rehabilitation activities will be restricted to designated rehabilitation areas.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.54.	Planting of seed mix for re-vegetation will take place in early Spring, before the first rains. This will shorten the period during which the replaced soils are exposed, and will enhance the success of rehabilitation.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.55.	Wherever possible re-vegetation will be allowed to occur through the encouragement of natural establishment of secondary grassland through the process of secondary succession.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.56.	Where seeding is required, alien species such as <i>Chloris gayana</i> and <i>Pennisetum clandestinum</i> will not be used.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.57.	The establishment of secondary vegetation dominated by indigenous species will be further enhanced by broadcasting seeds of indigenous grasses and forbs, and 'enrichment planting' of indigenous species such as rescued medicinal plants and Protected species.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.58.	Light grazing of these areas will be encouraged once vegetation is established.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.59.	Whale-backing will be reduced to a minimum and the natural topography will be reinstated wherever possible (see also Ref. no. 7.10.1.2).	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
<b>7.11.1.60. Animal life</b>			
	Vehicles and machinery used for the rehabilitation of the final void will be limited to the remaining access and haul roads as well as rehabilitation areas.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.

7.11.1.61.	Human presence and movement of vehicles will be reduced on rehabilitated areas.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.62.	Management of soils, vegetation and surface water during rehabilitation, as well as a reduction in the noise generated in rehabilitated areas, will ensure that rehabilitated areas provide habitat for animal species and would likely encourage animal species to return to the site.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
<b>7.11.1.63. Surface water (general)</b>			
	An application will be made under Chapter 4 of the NWA, 1998, to amend the Water Use Licence to reflect the changes in Water Uses during the Decommissioning Phase.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.64.	If the above-mentioned Water Use Licence Amendment is granted to Landau Colliery under Chapter 4 of the NWA, 1998, the conditions of the Licence Amendment will be implemented.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.65.	Auditing of compliance with the IWWMP commitments (and if a WUL Amendment is granted, to the conditions of the Licence Amendment) will be conducted regularly in accordance with the timeframes set by the DWS or committed to in the IWWMP.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.66.	Any new infrastructure will be designed to comply with GN704, 1999, under the NWA.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.67.	Compliance with Regulations GN 704, titled "Regulations on use of water for mining and related activities aimed at the protection of water resources", dated June 1999, under the NWA, 1998 (Act 36 of 1998), will be audited annually, and reported to the DWS.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.68.	Employees and contractors will be trained to identify activities that would impact on the surface water aspect of the mine, such as spillage of contaminated water from pollution control dams during emptying ahead of rehabilitation, or spillages of contaminating substances such as diesel, carbonaceous material, etc. Furthermore, they will be informed on the environmental emergency procedure, and will be trained to contact the appropriate person to report such incidents.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.

7.11.1.69.	The surface water monitoring programme and biomonitoring programme will continue to be implemented to enable the actual impacts of the mining and related activities at the proposed Lifex Extension Project to be verified and quantified.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
<b>7.11.1.70. Surface water (quantity and flow)</b>			
7.11.1.74.	All rehabilitated areas will be inspected for settling and cracking and repaired where necessary to ensure ongoing free-drainage until mine Closure is obtained	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.75.	Suitable rehabilitation techniques will be employed for the backfilling of the opencast voids, so as to promote free-drainage, and there-establishment of pre-mining drainage patterns, as far as possible.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.76.	The rehabilitation of mined areas will be done so as to achieve the pre-planned final landscape configuration taking into account the depth of coal removed and the bulking ratio of the overburden replaced in the pit(s).	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.77.	The post-mining surface topography will be modelled 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.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.78.	Backfilled cuts will be surveyed to ensure that these are filled and rehabilitated to surface and conform to natural runoff patterns. Pre-planning will allow for clean runoff from the rehabilitated area to reach the natural drainage channels outside the mining area in a controlled and uncontaminated manner.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.80.	Should subsidence of the rehabilitated areas occur, maintenance will be undertaken to ensure that the identified subsidence areas are eliminated and the surfaces of the rehabilitated subsidence areas are suitably re-vegetated.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.81.	Gentle slopes will be re-instated as part of continuous rehabilitation, as far as possible, to reduce erosion.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.82.	The final void(s) will be backfilled with overburden that will be distributed and shaped to be free draining. The implementation of the soil, surface water and ecology mitigation measures will ensure that the infiltration to the groundwater will be minimised as far as practicable.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.

7.11.1.83.	All carbonaceous material should be removed and isolated by disposing of this material on the Blaauwkrans Co-disposal facility prior to its rehabilitation.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.84.	Monitoring of water levels and quality in the backfilled rehabilitated mine workings during the Operational and Decommissioning Phases will be undertaken. This will allow both calibration of the post mining water quality and water volumes	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.85.	The water level in the workings will be actively managed to ensure it remains below the decantelevation.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.86.	The post closure mine water make will be pumped from the mine workings and treated, in line with the long-term mine water management strategy of Landau Colliery.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.87.	Clean runoff from the rehabilitated areas will be discharged to the river system.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
<b>7.11.1.88. Surface water (quality)</b>			
	Erosion on the exposed disturbed land use areas as well as rehabilitated land will be minimised by the establishment of a vegetation cover as soon as possible after replacement of soil. The rehabilitated workings will be seeded in accordance with identified suitable seed mixture	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.89.	If necessary during windy conditions, dust suppression will be undertaken with raw water in rehabilitated areas. Volumes of water used will be sufficient to reduce dust generation, while avoiding infiltration and ponding of excess water.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.90.	Clean and dirty water separation berms will only be removed from rehabilitated areas once the vegetation has become self-sustaining and erosion of rehabilitated soils is unlikely to occur	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.91.	Until the surface water management system is removed, the surface diversion berms and drains will be kept free from any obstructions (debris) to ensure that the efficiency is not affected. Changes to the layout of the storm water control measures will be implemented, if required, to accommodate actual conditions and to enhance the efficiency of the management system.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.

7.11.1.92.	Repair of damages to the clean and dirty water separation infrastructure due to erosion and scouring of areas will be performed following storm events. Normal continuous maintenance throughout Life of Mine will also be performed for all slopes, berms and points of discharge (i.e. clearing of silts and sediments washed into drains, erosion marks will be filled up again,berms will be kept intact, etc.)	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.93.	Continuous managing, improvement and monitoring of the water balances will be undertaken to identify risk areas and excesswater volumes, and for reporting on conditions on a monthly base.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.94.	Contaminated surface water will not be allowed to flow or be intentionally discharged to the receiving environment without being treated first, and without the applicable authorisations. However, should such a spill / release occur, the emergency procedure described in Part 9 will be implemented to minimise the environmental damage and instigate prompt and effective clean-up.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.95.	Implementation of measures described in Ref. no.'s 7.9.1.68-71 (in Table 7.9 Construction Phase EIAMAP) will ensure that contamination of surface water due to contact with contaminating and / or hazardous materials will be minimised.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.96.	Decommissioning and rehabilitation activities will be timed to take place in the dry season, as far as is practical.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.97.	With the exception of permanent infrastructure such as the Blaauwkrans Co-disposal facility extension, the footprint of disturbed areas will be progressively reduced until rehabilitation is completed.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.98.	“No-go” zones will be delineated for construction plant and personnel – particularly in close proximity and within the catchment areas of the dams.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.99.	The storm water management measures, including PCDs will be decommissioned last, to ensure adequate storm water management during the rehabilitation phase. Before demolition, the dams will be emptied by pumping the contaminated water to the EWRP fortreatment	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.

7.11.1.100.	Servicing of construction vehicles will take place only in dedicated areas that are equipped with drip trays. Such areas will only be removed once all remaining mining and rehabilitation vehicles are no longer required at the Lifex ExtensionProject area.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.101.	The bunded containment and settlement facilities provided for hazardous materials, such as fuel and oil, will be demolished and removed from the Lifex Extension Project area once all fuel, oil andother hazardous materials have been removed from the site.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.102.	Spill absorption product(s) will be kept on site until rehabilitation is completed. The material will be used to clean up hydrocarbon spills in the event that they should occur. This will be carriedout in accordance with the mine's existing EMS waste management procedure.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.103.	Erosion protection measures will be implemented at steep areas, where required	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.104.	A waste management plan will be developed for the decommissioning phase, which will include the handling of contaminated materials / soilsfound on site. This will be carried out in accordance with the mine's existing EMS waste management procedure, which will be updated toinclude decommissioning activities, prior to the start of decommissioning.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
		N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.105.	All traces of hydrocarbons and residual waste should be removed before infrastructure is demolished.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.106.	All coal and carbonaceous material will be removed from the stockpiles prior to rehabilitation.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.107.	Contaminated soils will be excavated and placed on the discard facilities prior to their rehabilitation, or removed from site by anappropriately licensed waste contractor	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.108.	An appropriate sewage management strategy will be implemented during the decommissioningphase, including decommissioning of the sewage treatment plant as late as possible in the process.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.

7.11.1.109.	Water quality monitoring will be undertaken downstream of the areas being decommissioned, before and during decommissioning where practical, in order to detect any increase in suspended solids or turbidity.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.110.	Erosion protection measures will be implemented at steep areas where required.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.111.	If erosion is evident or the water quality monitoring indicates an increase in suspended solids, water management around the decommissioning areas will be reviewed.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.112.	Contaminated soils will be excavated and placed on the discard facilities prior to their rehabilitation, or removed from site by an appropriately licensed waste contractor.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.113.	The discard dumps will be shaped, capped and rehabilitated with slopes gentle enough to be stable in the long term	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.114.	The open cast pits will be shaped, rehabilitated and made free draining	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.115.	This infrastructure will be decommissioned and rehabilitated last. Refer to Ref. No.'s 7.11.1.96- 114 above for general management measures. Where necessary, erosion protection in the form of rip-rap, gabions or other appropriate materials will be provided to prevent erosion in the rehabilitated areas.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Decommissioning activities have not yet commenced.
<b>7.11.1.116. Surface water (watercourse alterations)</b>			
	Once the haul road bridge and conveyor crossing have been removed, the remaining footprints will be rehabilitated to re-establish natural conditions as far as practicable.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.117.	A method statement of the planned removal and rehabilitation of the haul road crossing, conveyor crossing and Schoongezichtspruit reinstatement will be submitted to the DWS as	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.118.	Removal of the haul road crossing and the conveyor crossing from the Schoongezichtspruit will be conducted during the dry season	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Decommissioning activities have not yet commenced.

7.11.1.119.	Measures will be taken to capture any sedimentation that will likely be released upon uplifting the culverts beneath the haul road crossing. The exact rehabilitation strategy to be followed and measures to be implemented will be designed by a suitably qualified rehabilitation specialist, and included in the method statement to be submitted to the DWS (see Ref. no. 7.11.1.116).	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
<b>7.11.1.120. Surface water (flooding)</b>			
	Rehabilitated areas and remaining surface infrastructure will be inspected quarterly and will be maintained and repaired where necessary.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.121.	The implementation of measures identified in Ref. no.'s 7.11.1.82-89, and Ref. no.'s 7.11.1.92-93 will address possible secondary impacts of flooding on suspended solids and overflow of contaminated mine water on the receiving environment.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
<b>7.11.1.122. Groundwater (general)</b>			
	An application will be made under Chapter 4 of the NWA, 1998, to amend the Water Use Licence to reflect the changes in Water Uses during theDecommissioning Phase.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.123.	If the above-mentioned Water Use Licence Amendment is granted to Landau Colliery under Chapter 4 of the NWA, 1998, the conditions ofthe Licence Amendment will be implemented.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.124.	Auditing of compliance with the IWWMP commitments (and if a WUL Amendment is granted, to the conditions of the Licence Amendment) will be conducted regularly in accordance with the timeframes set by the DWSor committed to in the IWWMP	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.125.	Any new infrastructure will be designed to comply with GN704, 1999, under the NWA.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.126.	Compliance with Regulations GN 704, titled "Regulations on use of water for mining and related activities aimed at the protection of water resources", dated June 1999, under the NWA,1998 (Act 36 of 1998), will be audited annually, and reported to the DWS.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.

7.11.1.127.	Employees and contractors working at Landau Colliery during the Decommissioning Phase will be trained to identify activities that would impact on the groundwater aspect of the mine, such as spillages of contaminating substances e.g. diesel, carbonaceous material, etc. Furthermore, they will be informed on the environmental emergency procedure, and will be trained to contact the appropriate person to report such incidents.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.128.	The groundwater monitoring programme that will have been modified to include the Lifex Extension Project prior to the commencement of the Construction Phase will continue to be implemented to enable the actual impacts of the mining and related activities at the proposed Lifex Extension Project to be verified and quantified. Monitoring will also enable the early detection of negative impacts.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Decommissioning activities have not yet commenced.
<b>7.11.1.129. Groundwater Quantity</b>			
	As described in Ref. no. 7.10.2.37, infrastructure to capture and temporarily store the contaminated groundwater that will decant from the rehabilitated mining areas during the Post Closure Phase will be constructed prior to the Decommissioning Phase. The mine water decant (which is expected to commence during the Post-Closure Phase) will then be transferred to the EWRP for treatment to drinking water standards and either sold onwards or returned to the applicable catchment(s).	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.130.	As described in Ref. no. 7.10.2.37, infrastructure to capture and temporarily store the contaminated groundwater that will decant from the rehabilitated mining areas during the Post Closure Phase will be constructed prior to the Decommissioning Phase. The mine water decant (which is expected to commence during the Post-Closure Phase) will then be transferred to the EWRP for treatment to drinking water standards and either sold onwards or returned to the applicable catchment(s).	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.131.	Contaminated groundwater resulting from the Blaauwkrans Co-disposal facility will be abstracted and treated together with contaminated water from the backfilled pit areas. It is anticipated that this will reduce the risk of contamination of the surrounding groundwater environment.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). Decommissioning activities have not yet commenced.

7.11.1.133.	As mentioned previously, the groundwater monitoring programme that will have commenced during the Construction Phase will continue to be implemented to verify impacts on surrounding groundwater environment.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.134.	Mitigation of the potential impacts of hydrocarbon spillages on surface water and soil will mitigate the resultant impacts thereof on the groundwater.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
<b>7.11.1.135. Air Quality</b>			
	Where necessary, dust suppression will be undertaken with raw water in rehabilitated areas. Volumes of water used will be managed to avoid ponding of excess dust suppression water on the surfaces.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.136.	Rehabilitated areas will be seeded as soon as possible after replacement of soil, to minimise potential dust generation. To maximise the success of rehabilitation, all remaining footprint areas will be topsoiled and seeded at the beginning of the growing season (see also Ref. no.'s 7.11.1.19, 49-50, and 54).	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.137.	Ref. no. 7.11.1.135 will also be implemented to address this potential impact.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.138.	Dust will continue to be controlled through wet suppression (see Ref. no. 7.11.1.135 above) and/ or chemical stabilisation	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.139.	Strict speed control will continue to be implemented on the remaining gravel roads within the study area until mine Closure is achieved.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.140.	Ref. no. 7.10.3.216-218 will also be implemented to address this potential impact. In addition, vehicle operators will be trained to reduce standing / idling time.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.141.	The air quality monitoring programme will continue to be implemented during this phase until Closure is achieved. Measurements will continue to be taken during the Decommissioning Phase to verify and quantify the impacts on air quality, both as a result of the Lifex Extension Project as well as the cumulative effect of the Lifex Extension Project and other operations at Landau Colliery.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.142.	In the case of a large hydrocarbon spill, all employees should vacate the area where the spill has occurred. This would be considered an	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
<b>7.11.1.143. Noise</b>			

	The mitigation measures identified in Ref. no.'s 7.10.1.85 will continue to be implemented during the Decommissioning Phase until mine Closure is achieved.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.144.	Dismantling of redundant surface infrastructure will be done during the daytime, and will be limited on weekends.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.145.	No mitigation is required.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
<b>7.11.1.146. Sensitive landscapes</b>			
	Replaced spoils will be landscaped to be free draining, but will avoid steep slopes and concentrated run-off. The commitments in this document with regard to soil, ecology and surface water will ensure that the success of rehabilitation is maximised.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.147.	The rehabilitated areas will be re-vegetated as soon as possible following completion of the earthworks to minimise erosion.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.148.	Regular long-term follow up of rehabilitated areas will be undertaken to ensure the successful establishment of vegetation and to survey for any erosion damage on site.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.149.	Erosion damage will be repaired as soon as possible.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.150.	The possibility of implementing wetland offsets as a means of mitigating against the loss of wetland habitat within the Lifex Extension Project boundary area is being investigated during the Design and Planning Phase. A wetland offset strategy is being developed by a suitably qualified person using the SANBI offset guideline methodology. If authorisation is granted, management of the offsite wetland area(s) will continue throughout the life of mine of the proposed Lifex Extension Project.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.151.	Implementation of Ref. no.'s 7.11.1.146-149, as well as all measures to mitigate impacts on soils, vegetation and surface water will ensure that the significance of this impact will be minimised.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.

7.11.1.152.	Implementation of the soil, vegetation and surface water management measures pertaining to the in situ rehabilitation of the Co-disposal facility during the Operational and Decommissioning Phases will ensure that this impact will be minimised.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.153.	Implementation of Ref. no.'s 7.11.1.49 and 50 will ensure that this impact on wetlands will be addressed simultaneously	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.154.	Implementation of Ref. no.'s 7.11.1.88-90, and 92 will ensure that this impact on wetlands will be addressed simultaneously.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.155.	Decommissioning activities will be limited to the existing disturbed footprints.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.156.	Only existing roads and tracks will continue to be used to access infrastructure areas.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.157.	Any laydown areas and temporary stockpiles will be located outside wetland areas.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.158.	Disturbed areas will be rehabilitated as soon as possible following removal of infrastructure.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.159.	Decommissioning activities will be undertaken in the dry season.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.160.	Final rehabilitation of the Blaauwkrans Co- disposal facility will include the design and construction of a surface water management plan to protect the rehabilitated facility and the adjacent areas from erosion by high velocity, concentrated flows. Discharge points will be protected against erosion.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.161.	Management of the potential impacts of the Blaauwkrans Co-disposal facility on the receiving groundwater and surface water environment (including wetlands) as described in Ref. no.7.11.1.131 will continue until mine Closure is obtained. In line with the long-term groundwater management plan at Landau Colliery, permanent facilities for the ongoing collection and management (treatment or evaporation) of contaminated seepage from the facility will be constructed during this phase.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.162.	Continued groundwater and surface water monitoring as well as biomonitoring (see Ref.no.'s 7.11.1.69 and 128) will enable this potential impact to be verified and quantified.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.

<b>7.11.1.163. Visual aspects</b>			
	Implementation of mitigation measures for the anticipated impacts on soils, vegetation, surface water, groundwater, air quality and wetlands will ensure that the anticipated positive impacts on the visual aspects of the study area associated with the rehabilitation of the facility will be maximised.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.164.	Implementation of mitigation measures for the anticipated impacts on topography, soils, vegetation, surface water, groundwater, air quality and wetlands will ensure that the anticipated positive impacts on the visual aspects of the study area associated with the rehabilitation of the mined out areas and remaining footprints of removed infrastructure will be maximised.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.165.	Implementation of Ref. no. 7.11.1.164 above will simultaneously maximise the positive effects of this impact.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.166.	Implementation of Ref. no. 7.11.1.135-139 will simultaneously address this impact on visual aspects.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
<b>7.11.1.168. Socioeconomic impacts</b>			
	The impact of mine closure on businesses providing goods and services is unavoidable, as is the cessation of contribution to community projects. However, the impacts on employees would be mitigated by the continued implementation of the Social and Labour Plan.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.169.	Employees will be skilled and career progressed through the human resources development programme, which will enable them to acquire skills that will help them re-enter the work place after closure of the mine.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.170.	Anglo Operations Limited will, through the Social and Labour Plan (Processes pertaining to management of downscaling and retrenchments) and the relevant legislation, reskill all employees to be retrenched. This will ensure that the employees affected by the closure of this mining operation can re-enter the workplace. Note, however, that the mine and the mining contractor June still use the employees in other mining projects, hence retrenchments June not occur.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.

7.11.1.171.	As coal is a fossil fuel, it is a non-renewable resource. The impacts of the depletion of coal on national, regional and local socio-economic aspects are unavoidable, and no mitigation is possible.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.172.	Measures will be implemented to ensure that the land capability and end land use objectives can be achieved, and will ensure that the anticipated positive future long-term socio-economic impacts will be possible.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.173.	Landau Colliery will conduct public participation during the Decommissioning Phase to understand how the surrounding communities would like to use the land during the Post Closure Phase.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
<b>7.11.1.174. I&amp;APs</b>			
	The measures implemented to mitigate impacts on topography, soils, vegetation, surface water and air quality will indirectly mitigate negative visual impacts.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.175.	Communication with I&APs will continue through the Decommissioning Phase - refer to Ref. No. 7.9.1.133.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.176.	Implementation of soil and surface water management measures will prevent or minimise the potential impacts on downstream water users.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.177.	Implementation of measures to ensure that the pre-mining land capability is restored as far as practicable, and that the land is used for long- term sustainable activities.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.
7.11.1.178.	Continued supply of mine water to the EWRP for treatment will ensure that the onward supply of potable water to the Local Municipality will continue.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025). Decommissioning activities have not yet commenced.

**TABLE 6. ENVIRONMENTAL AUTHORISATION ISSUED IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998, (NEMA) FOR THE RELOCATION OF A DRAGLINE EXCAVATOR VIA FROM THE KROMDRAAI SECTION TO NAVIGATION SECTION OF ANGLO OPERATIONS (PTY) LTD LANDAU COLLIERY (DMRE REF(MP) 30/1/2/3/2/1 306 MP. DATED DECEMBER 2016**

<b>8. CONDITIONS</b>			
<b>8.1. STANDARD CONDITIONS</b>			
8.1.1	Authorisation of the activity is subject to the conditions contained in this Authorisation, which forms part of the Environmental Authorisation and are binding on the holder of the Authorisation.	T/N	Khwezela Navigation Colliery take note and understand that the conditions of the Environmental Authorisation are binding. Khwezela Navigation Colliery engages an independent, external environmental service provider to carry out yearly audits to ensure adherence to the conditions of its authorization and related Environmental Management Programme (EMPr). This document is the annual environmental audit report prepared by NTC Group (Pty) Ltd for the 2024/2025 audit period, detailing the compliance findings.
8.1.2	The holder of the Authorisation shall be responsible for ensuring compliance with the 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 Navigation Colliery take note and understand that the conditions of the Environmental Authorisation are binding. Khwezela Navigation Colliery ensures awareness of its Environmental Authorisations, EMPRs, and Water Use Licence requirements by conducting awareness initiatives such as site inductions and toolbox talks.
8.1.3	This activity must commence within a period of ten (10) 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 the scope of the audit period (June 2024-June 2025). The activity has been completed.
8.1.4	If the proponent anticipates that commencement of the activity would not occur within ten (10) year period, he / she must apply and show good cause for an extension of the Environmental Authorisation three (3) months prior to its expiry date.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The activity has been completed.
8.1.5	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 can be affected. In assessing whether to grant such approval or not, the Department must request such information as it deems necessary to evaluate the significance and impacts of such changes or deviations and it must be necessary for the holder of the Authorisation to apply for further Authorisation in terms of the Regulations.	T/N	There were no changes or deviations from the project description in this Environmental Authorisation.

8.1.6	Where any of the applicant's contact details change, including the name of the responsible person, the physical or postal address and/or telephonic details, including the transfer of this authorization, the applicant must in writing notify the Regional manager of this Department, within fourteen (14) days of the above specified change.	T/N	There were no changes or deviations from the project description in this Environmental Authorisation.
8.1.7	A copy of this authorisation must be kept on site. The Authorisation must be produced to any Governmental official(s) who June requests to see it for inspection purposes and must be made available to the contractor(s) /subcontractor(s) authorised to undertake to undertake work at the property.	C	An electronic and hard copy of the Environmental Authorisation is retained by Khwezela Navigation Colliery and is available upon request.
8.1.8	This authorisation does not negate the holder of the Authorisation's responsible to comply with any other statutory requirements that June be applicable to the undertaking of the activity.	T/N	Khwezela Navigation Colliery understands it must comply with any other legal requirements that June be applicable to the the activity.
8.1.9	After an appeal period has been expired and no good course to extent the appeal period has been submitted in accordance with Chapter 2 of the National Appeal Regulations of 2014, a thirty (30) day-written notice must be given to the Department that the activity will commence, Commencement for purpose for the purpose of this condition includes site preparation, The notice must include a date on which it is anticipated that the activity will commence.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025).

## 8.2. SITE SPECIFIC CONDITION

### 8.2.1. Commissioning of the Activity

8.2.1.1	This Authorization is hereby solely granted for a 250m wide corridor for the construction and walking of the dragline excavator on the farms listed above, situated within the magisterial district of eMalahleni.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025).
8.2.1.2	The activity June not commence without the necessary permits/licenses/approvals and/or service agreements, where it is relevant, from or with the relevant regulatory authorities whether national, provincial or local.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025).
8.2.1.3	The applicant must apply the principle of best practicable environmental option for all technologies used/implemented during the proposed activity.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025).

### 8.2.2. Pre-Construction Phase

a.	The applicant must appoint an independent Environmental Control Officer (ECO) who will monitor contractors, compliance with EMP and EA.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
b.	The applicant must provide all contractors and sub-contractors with a copy of Environmental Management Plan and Environmental Authorisation prior to the commencement of activities.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.

c.	All pre-construction phase mitigation measures as outlined in the Environmental Management Programme (EMP) attached in Environmental Impact Assessment report must be adhered to at all times.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
d.	In order to ensure safety, all employees must be given the necessary personnel protective equipment (PPE).	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
e.	Appropriate notification sign must be erected at the construction site, warning the public (residents, visitors etc,) about the hazard around the construction site and presence of heavy vehicles and machinery.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
f.	Construction must include design measures that allow surface and subsurface movement of water along the drainage lines so as not to impede natural surface and subsurface water flow, and drainage measures must promote the dissipation of storm water runoff.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
g.	Construction areas (e.g. material lay down areas), topsoil and subsoil must be protected from contamination or pollution, Stockpiling must not take place in drainage lines or areas where it will impede surface water runoff.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
h.	If any soil contamination is noted at any phase of the proposed activity (les), the contaminated soil must be removed to a licensed waste disposal facility and the site must be rehabilitated to the satisfaction of the Department and Department of Water and Sanitation. The opportunity for the onsite remediation and re-use of contaminated soil must be investigated prior to the disposal and this Department must be informed in this regard.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>8.2.2.1. Access Roads and Traffic Impact</b>			
a.	Necessary signage and traffic measures must be implemented for safe and convenient access to the site from adjacent roads.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
b.	Access roads must be well maintained throughout the operation,	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>8.2.2.2. Air Quality Management</b>			
a.	Proper measures must be put in place to suppress dust in order to minimize nuisance conditions	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
b.	A speed restriction of 40 km/h must be enforced and monitored on site for all project vehicles.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>8.2.2.3. Erosion Control Measures</b>			

a.	All soil surfaces compacted as a result of mining/construction activities must be ripped, and imported materials must be removed.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
b.	Any erosion channel developed during mining/construction period or during vegetation establishment must be restored to a proper condition,	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>8.2.2.4. Excavation Activities</b>			
a.	Topsoil must be stripped and stockpiled prior to excavation in a designated area.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
b.	Under no circumstances should material stockpiles be disposed of outside the boundary of the project area.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>8.2.2.5. Waste Management</b>			
a.	General waste must be kept in containers which are wind and scavenger proof, and disposed of at a permitted landfill site. No temporary dumping and littering of waste is allowed on site,	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
b.	No waste must be disposed of through burying and burning,	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
c.	All hazardous waste must be disposed of at an official registered site, or be removed by registered hazardous waste contractors,	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
d.	An emergency preparedness plan to address any pollution incidents (such as oil spillage) that occur on site must be developed.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>8.2.2.6. Surface and Groundwater Contamination</b>			
a.	Specific area must be demarcated for fuelling and workshop services. And such area must be bunded to reduce the possibility of soil and water contamination.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
b.	Irrespective of the nature of a spillage (whether major or minor), all spillages must be cleaned up as soon as they occur.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
c.	Spillage of petrochemical products must be avoided. In the case of accidental spillage, contaminated soil must be removed for bioremediation or disposed of at a facility for the substance concerned, Disturbed land must be rehabilitated and seeded with vegetation seed naturally occurring on site,	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
d.	Untreated sewage water must not be discharged directly into the natural environment.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>8.2.2.7. Fire Prevention and Management</b>			

a.	Fire extinguishers that are in good working conditions must be made available at all times for their usage during the occurrence of accidental fires	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
b.	Workers must be adequately trained in the handling of firefighting equipment.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
c.	Open fires must strictly be prohibited,	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
d.	Smoking must be prohibited in the vicinity of flammable substances,	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
e.	Cooking and heating fires must be permitted only in designated areas with appropriate safety measures.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>8.2.2.8. Stormwater Management</b>			
a.	Storm water management plan must be developed and implemented on site.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>8.2.2.9. Safety</b>			
a.	Potentially hazardous area must be demarcated with danger tape.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
b.	Appropriate signage must be placed to caution employees and contractors not to attempt to enter certain structures without being authorised.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>8.2.2.10. Emergency Response Plan</b>			
a.	An Emergency Response Plan should be available for accidental spills and fire fighting during both construction and operation of the project.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
b.	In the event of emergency, the holder must notify the department within 24hrs, and contact relevant emergency services in the area.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
c.	All significant pollution incidents must be reported to this Department within forty eight (48) hours of occurrences.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>8.2.2.11. Compliance with other legislation</b>			
a.	The National Water Act, 1998 (Act 36 of 1998), with particular reference to the sections pertaining to activities in the proximity of dams and their catchments areas, rivers, marshes, streams, pans and other water courses.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.

b.	The Environmental Conservation Act, 1989 (Act 73 of 1989) with particular reference to the requirements of section 20 of the above-mentioned Act.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
c.	The National Environmental Management Air Quality Act (Act 36 of 2004), with particular reference to the sections pertaining to the liberation of dust, and other emissions, created by prospecting activities, into the atmosphere.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
d.	The Conservation of Agriculture Resources Act, 1983 (Act 43 of 1983), with particular references to the sections pertaining to soil conservation.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
e.	The National Heritage Resources Act, 1989 (Act No 25 of 1999), with particular reference to the protection of all historical and pre-historical cultural remains.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
f.	The Mine Health and Safety Act, 1996 (Act 29 of 1996) in conjunction with the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002), with particular reference to those sections and regulations pertaining to health and safety at mines; mining within 100 m from structures that must be protected; as well as those sections pertaining to rehabilitation of the surface.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
g.	The National Environmental Management Act, 1998 (Act 107 of 1998), with particular reference to the principles in chapter 2 of the said Act,	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
h.	Firebreaks should be established in terms of the requirements and conditions of the National Veld and Forest Fires Act, 1998 (Act No. 101 of 1998).	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
i.	All provisions of the Occupational Health and Safety Act, 1993 (Act No.85 of 1993) and any other applicable legislation must be adhered to by the holder of this Authorisation.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>8.2.2.12. Liability of the Holder of this Authorisation</b>			
a.	The competent authority shall not be held responsible for any damages or losses suffered by the holder or his/her successor in title in any instance where mining/ construction or operation subsequent to construction are to be temporarily or permanently stopped for reasons of noncompliance by the holder with conditions of approval as set out in the document or any other subsequent document emanating from this Authorisation. The holder shall be responsible for all the costs necessary to comply with the above condition unless otherwise specified.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025).
b.	Any complaint from the public during the project duration must be attended to by the holder of this Authorisation as soon as possible to the satisfaction of parties concerned.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.

c.	The contractor must ensure that serviceable ablution facilities are available for employees. It is the responsibility of the holder of the Authorisation to see to it that this condition is adhered to.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>8.2.2.13. Management of the Activity</b>			
a.	A copy of an Environmental Authorisation and EMP must always be available on site so as to monitor compliance with conditions outlined in both the documents. Both documents must be used as on-site reference document during the project duration.	C	A copy of an Environmental Authorisation and EMP were made available to the auditors.
b.	The Environmental Management Plan (EMP) prepared by Aurecon Consulting (attached to the EIA Report) must be adhered to during the project duration.	C	The EMP is adhered to.
c.	All duties and responsibilities as outlined in the EMP attached are binding throughout the project duration.	T/N	Khwezela Navigation Colliery takes note of and accepts this condition.
d.	Any proposed amendments to the EMP (as a result of this authorisation or otherwise) must be submitted in writing to this Department for approval prior to the amendment being implemented. On approval of the proposed amendment the EMP must be accordingly amended and adhered to.	T/N	Khwezela Navigation Colliery takes note of and accepts this condition.
<b>8.2.2.14. Appointment of Environment Control Officer</b>			
a.	An Environmental Control Officer must be appointed, who will monitor and ensure compliance and correct implementation of all mitigation measures and provisions as stipulated in the Environmental Authorisation and Environmental Management Plan, prior to any commencement of activities on site.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
b.	The Environment Control Officer appointed must monitor the construction of the infrastructure to ensure that the layout plans are in accordance to the designs and record important findings of the site inspection.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.

c.	The ECO must also monitor the implementation of specific elements of the Environmental Management Plan by contractors.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
d.	All duties and responsibilities as outlined in the EMP attached are binding throughout the project duration.	T/N	Khwezela Navigation Colliery takes note of and accepts this condition.
<b>8.2.3. Site Closure and Decommissioning</b>			
a.	The commissioning and decommissioning of individual activity within the overall listed activities must take place within the phases and timeframes as set out in EMP or EMPr.	N/A	The dragline walkway was constructed, completed, and rehabilitated. Khwezela Navigation Colliery is currently being monitored in terms of the EMPr requirements.
b.	All mitigation measures for the decommissioning phase, as outlined in the EA. Including rehabilitation and monitoring must be adhered to.	N/A	The dragline walkway was constructed, completed, and rehabilitated. Khwezela Navigation Colliery is currently being monitored in terms of the EMPr requirements.
<b>8.2.4. Monitoring</b>			
a.	This Department reserves the right to monitor and audit the activity to ensure compliance with legislation and the conditions stipulated in this authorisation.	T/N	Khwezela Navigation Colliery takes note of and accepts this condition.
b.	It is the holder of this Authorisation's responsibility to ensure that an ongoing management and monitoring of the impacts of the activity on the environment throughout the life of the mine is put into practice.	C	The dragline walkway has been built, finalized, and refurbished. Currently, Khwezela Navigation Colliery is under observation to ensure compliance with the EMPr requirements.
<b>8.2.5. Recording and Reporting to the Department</b>			
8.2.5.1	The authorization holder must submit an annual environmental audit report during the operation of the activity, unless otherwise requested by the department. The audit report must convey the following:	C	Khwezela Navigation Colliery has engaged an independent external environmental service provider to perform yearly audits to confirm adherence to the conditions of this authorization and its associated Environmental Management Programme (EMPr). This document presents the annual environmental audit report prepared by NTC Group (Pty) Ltd for the 2024/2025 audit period, including the compliance findings.
a.	The date in which the audit was carried out.	C	This was verified in the report referred to in 8.2.5.1., which includes the date of the audit.
b.	The outcome of the audit, in relation to the conditions stipulated in the environmental authorization and the approved EMPr as well as the actions taken to mitigate environmental impacts on site.	C	The colliery records the outcome of the audit and derive the action plans to mitigate the environmental impacts on site.
8.2.5.2	Records of monitoring and / or auditing must be made available for inspection to this Department and any other relevant authority inspecting the development activities.	T/N	Khwezela Navigation Colliery takes note of and accepts this condition.

8.2.5.3	Records relating to compliance and Non-Compliance with the conditions of this authorisation must be kept in good order, Such records shall be made available to this Department within seven (7) days of receipt of a written request by the Department. Environmental compliance will further be monitored through complaints received from the public.	C	Khwezela Navigation Colliery keeps all the records relating to compliance and non-compliance with the condition of this authorisation in good order.
8.2.5.4	All records relating to the implementation of the Environmental Management Plan must be kept in the office where it is safe and can be retrievable.	T/N	Khwezela Navigation Colliery takes note of and accepts this condition.
<b>8.2.6. Non- Compliance</b>			
a.	In the event of non-compliance by any contractor during the mining/construction the authorised activity, the holder of this Authorisation will be liable.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
b.	The holder shall be responsible for all costs necessary to comply with the above conditions unless otherwise specified.	T/N	Khwezela Navigation Colliery takes note of and accepts this condition.
c.	The holder must in the event of non- compliance with any condition of this Authorisation inform the Regional Manager of Mpumalanga region of this Department, in writing, within forty-eight (48) hours.	T/N	Khwezela Navigation Colliery takes note of and accepts this condition.
d.	Records relating to compliance and Non-Compliance with the conditions of this Authorisation must be kept in good order. Such records shall be made available to this Department within seven (7) days of receipt of a written request by the Department. Environmental compliance will further be monitored through complaints received from the public.	C	The records are maintained.
e.	Non- Compliance to this authorisation is an offence as provided for in terms of the National Environmental Management Act, 1998, Section 49(a) and Regulation 48. Any conviction of such offence June result in Section 49(a) being enforced,	T/N	Khwezela Navigation Colliery takes note of and accepts this condition.
<b>9. APPEAL OF THE AUTHORISATION</b>			
9.1	The holder of the authorisation must notify every registered interested and affected party, in writing and within fourteen (14) days, of receiving the Department's decision. The notification referred to in 9.1 must:	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025).
a.	Specify the date on which the Authorisation was issued.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025).

b.	Inform the registered interested and affected parties of the appeal procedure provided for in Chapter 2 of the National Appeal Regulations of 2014.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025).
c.	Advise the interested and affected parties that a copy of the Authorisation and reasons for the decision will be furnished on request,	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025).
d.	An appeal against the decision must be lodged in terms of Chapter 2 of the National Appeal Regulations of 2014.	N/A	This condition falls outside the scope of the audit period(June 2024-June 2025).

**TABLE 7. ENVIRONMENTAL MANAGEMENT PROGRAMME FOR THE RELOCATION OF A DRAGLINE FROM THE KROMDRAAI SECTION TO NAVIGATION SECTION OF ANGLO OPERATIONS (PTY) LTD LANDAU COLLIERY (DMRE REF. NO. (MP) 30/1/2/3/2/1 306 (EM) DATED DECEMBER 2016)**

<b>1. PLANNING AND DESIGN PHASE</b>			
1.1	The N4 crossing shall be designed and approved to the satisfaction of TRAC/SANRAL.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
1.2	The R547 and R104 crossings shall be designed and approved to the appropriate standards.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
1.3	Wetland crossings shall take into account all specialist recommendations as agreed upon, as well as authorisations as per Water Use Licence.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
1.4	During the pre-construction walk down of the approved corridor, Anglo shall ensure that a person suitably qualified in ecology physically pegs out / marks all sensitive areas (exclusion zones) identified within the corridor in correlation to such identified during the EIA. These exclusion zones must be avoided and the associated infrastructure and construction activities must be kept outside these areas (unless otherwise permitted / licensed through the EIR and / or EMPr).	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>2. PRE-CONSTRUCTION PHASE</b>			
<b>2.1 FENCING OF CONSTRUCTION SITES</b>			
2.1.1	All excavations must be adequately demarcated using methods approved by the ECO.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.1.2	The width of the construction footprint must be kept to a minimum. The maximum width of the construction footprint servitude will not exceed 50 m. The final construction footprint must be determined beforehand and indicated on plans.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.

2.1.3	Once the final route has been determined, a walk down of the route must occur in order to rescue and relocate any floral SCC that are encountered along the finalised route. An SCC rescue and relocation booklet should be developed prior to construction, and used by the ECO to guide rescue and relocation activities.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>2.2 ENTERING CONSTRUCTION SITES ON PRIVATE PROPERTY</b>			
2.2.1	Existing maintenance and access roads within the servitude shall be used for construction activities as far as possible.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.2.2	Planning and construction of any additional access routes must be done in conjunction between the contractor, ECO, engineer and applicable landowners	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.2.3	Should a landowner's access be disturbed, blocked or changed due to construction, an agreement must be reached between Anglo and the landowner in this regard.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.2.4	All agreements reached should be legally documented and no verbal agreements should be made. • The contractor shall properly mark all access roads. Markers shall show the direction of travel.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.2.5	Roads not to be used shall be marked with a "NO ENTRY" sign.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.2.6	Erosion to surrounding properties (including property access roads) must be prevented.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.2.7	Any dangerous crossings shall be marked as such and where necessary, speed limits shall be enforced.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.2.8	The contractor shall identify all existing private infrastructure in agreement with the landowner prior to construction commencing. Such infrastructure must be tested and its working condition so ascertained before and after construction to assist in assessing if any damage has been caused by construction activities.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.2.9	Should private infrastructure (e.g. boreholes) be damaged (intentionally or unintentionally) or removed by Anglo during the construction activities, Anglo shall compensate the owner as agreed between the two parties	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.

2.2.10	Disruption of business activities must be given adequate consideration by the contractor. Anglo is to ensure the contractor is aware of such business activities to ensure minimum disruption. The contractor should consult with the business owners regarding the construction work schedule on these properties.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.2.11	A complaints register must be established and kept up to date and available on site. This register must include detail on when and how the issues raised have been dealt with and closed out.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>2.3 ESTABLISHMENT OF LAYDOWN AREAS AND HAUL ROADS</b>			
2.3.1	Site establishment shall take place in an orderly manner and all amenities shall be installed before the main workforce move onto site.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.3.2	A method statement is required from the contractor after appointment, for the management of ablution facilities, workshop areas, and any other components of the laydown area.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.3.3	Site plans of the construction laydown areas must be provided indicating waste areas, storage areas and placement of ablution facilities.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.3.4	The contractor shall ensure the necessary ablution facilities are provided, with chemical toilets where such facilities are not available at commencement of construction.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.3.5	The contractor shall inform all site staff to use the supplied ablution facilities and under no circumstances shall indiscriminate excretion and urinating be allowed other than in supplied facilities.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.3.6	The contractor shall supply waste collection bins and all solid waste collected shall be disposed of at a registered landfill site.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.3.7	A certificate/record of safe disposal shall be obtained by the contractor and kept on file.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.3.8	Buildings should preferably be pre-fabricated or constructed of re-usable / recyclable materials.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.

2.3.9	All temporary structures must be soundly built and not pose a danger to workers.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.3.10	Containers are to be used for the storage of materials which have the potential to release pollutants into the environment.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.3.11	All structure footprints to be rehabilitated and re-vegetated after construction is complete.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>2.4 PERSONNEL CONDUCT</b>			
2.4.1	All personnel shall undergo environmental awareness training. Such training must include the requirements of the EMPr as well as the location of sensitive areas of which the workers must be aware.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.4.2	A signed register of attendance must be kept as proof.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>2.5 CONSTRUCTION ACTIVITIES ON PRIVATE LAND</b>			
2.5.1	The success of the project depends a lot on the good relations with the landowners. It is required that the contractor will supply one person to be the liaison officer (CLO) for the entire contract, and that this person shall be available to investigate all problems arising on the work sites concerning the landowners.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.5.2	A photographic site survey should be conducted prior to and after construction has been completed. This will then be available should any claims be instituted by any landowners.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.5.3	The contact numbers of the contractor's liaison officer and Anglo's ECO shall be made available to the landowners. This will ensure open channels of communication and prompt response to queries and claims.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.5.4	The rights of the landowners shall be respected at all times and all staff shall be sensitised to this.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.5.5	Potentially affected households should be consulted if any night time construction activities are to take place.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.

<b>2.6. OPERATION OF SANITATION SYSTEM(S)</b>			
2.6.1	Chemical toilets must be emptied / serviced on a regular basis to prevent overflowing. Proof of this service must be provided to the ECO.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.6.2	A minimum of one toilet must be provided per 15 persons at each working area within 100 m from worker activity.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>2.7. VEHICLE PARKING AREAS</b>			
2.7.1	Where possible and practical, all maintenance of vehicles and equipment shall take place in an approved and designated workshop area.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.7.2	Leaking equipment shall be repaired immediately or be removed from site to facilitate repair.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.7.3	During servicing of vehicles or equipment in approved areas / workshops, or during emergency situations, a suitable drip tray shall be used to prevent spills onto the soil, especially where emergency repairs are conducted outside the workshop area.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.7.4	A suitable area for emergency repairs must be approved by the ECO	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.7.5	All hazardous and non-degradable waste shall be collected and removed to a registered waste site	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.7.6	Workshop areas shall be monitored for oil and fuel spills and such spills shall be cleaned and remediated to the satisfaction of the ECO.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.7.7	A method statement is required from the contractor for dealing with possible emergencies that can occur, such as fire, accidental leaks and spillage.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.7.8	The contractor shall be in possession of emergency spill kits that must be complete and available at all times on site.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.7.9	The contractor must ensure that delivery drivers and plant operators are informed of all relevant procedures and	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.

2.7.10	restrictions required ensuring compliance with this document.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.7.11	All vehicles and equipment must be well maintained to ensure that there are no oil or fuel leakages.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.7.12	The following shall apply: All contaminated soil shall be removed and be placed in containers for further disposal; Hazardous waste June only be stored on site for a maximum period of 90 days before it must be disposed of at a registered hazardous waste site. Contaminated material can be taken to one central point where bioremediation can be carried out; Smaller spills can be treated on site; A specialist contractor shall be used for the bio-remediation of contaminated soil where the required remediation material and expertise is not available on site; and	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.7.13	All major spills of hazardous substances constituting a Section 30 Environmental Incident (according to the NEMA) must be reported to the ECO and relevant authorities within 14 days of the incident occurring.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.7.14	No storage of vehicles or equipment will be allowed outside of the designated area.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.7.15	Drip trays or any form of oil absorbent material must be placed underneath vehicles and equipment when not in use for periods longer than 3 days and/or for those vehicles and plant showing evidence of leaking hydrocarbons.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>2.8 PERSONNEL CONDUCT</b>			
2.8.1	Anglo induction must be attended by all parties involved in the construction.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.8.2	Weekly toolbox talks should include aspects of the EMPr.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.8.3	Labourers associated with the contractor must be easily recognisable (i.e. company issued overalls with company name/logo etc.)	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.

2.8.4	The contractor shall take all necessary precautions against trespassing on private properties.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.8.5	Basic firefighting equipment must be available on site.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
2.8.6	All environmental incidents should be reported to the ECO, investigated, documented and kept on file.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>3. CONSTRUCTION PHASE</b>			
3.1.1	The contractor shall recognise that the route runs along inhabited and mining areas and shall therefore take all reasonable measures to ensure the safety of people in the surrounding communities.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.1.2	Where the public could be exposed to danger by any of the works or site activities, the contractor shall, as appropriate, provide suitable flagmen, barriers and/ or warning signs in English, Afrikaans and isiZulu, all to the approval of the Project Manager.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.1.3	All unattended open excavations shall be adequately demarcated (fencing shall consist of a minimum of three strands of wire / danger tape and made clearly visible). Adequate protective measures must be implemented to prevent unauthorised access to and climbing of partly constructed structures and protective scaffolding.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.1.4	When working close to residential areas, working hours shall be from 06:00 to 18:00 on weekdays and from 07:00 to 15:00 on Saturdays. No work in close vicinity to residential areas shall take place on Sundays or public holidays, without prior arrangement.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.1.5	No construction should continue outside working hours, all residents affected must be notified timeously.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.1.6	All machinery and equipment must be maintained in good working order, and fitted with approved and specified muffler systems.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.1.7	Water diversion berms shall be installed at the start of each Work Package. These berms shall be maintained at all times and be repaired at the end of the contract.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.

3.1.8	Where berms are introduced on steep slopes the outflow shall be suitably stone pitched to prevent erosion from starting at the berms.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.1.9	Refuelling must occur on sealed areas to avoid hydrocarbon ingress into soils.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.1.10	Schedule construction works such that there are no extended delays to the dragline relocation, such that the soil exposure duration is reduced to a minimum.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.1.11	Strictly limit vegetation clearance and earthworks to the pre-determined road width, and progressively clear the required areas in small portions as roadwork progresses.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.1.12	Concurrent rehabilitation and mitigation implementation during project to avoid abuse of road as shortcut and subsequent withdrawal from agriculture.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.1.13	Temporarily rehabilitate or re-vegetate certain areas to assist with erosion control, to limit run-off and to mitigate dust generation during the construction phase, where necessary (e.g., areas for which the final landscaping and rehabilitation will be delayed, and areas that will be subject to further construction activities at a later stage).	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.1.14	Cleared areas can be regularly dampened with water to suppress dust, especially during strong wind conditions.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.1.15	Vegetation clearance and earthworks should be scheduled during the dry (low rainfall) season (where feasible) when chances of runoff and water erosion are minimal, and soil moisture content is also minimal, in order to avoid irreversible soil compaction. No vegetation clearance should be undertaken prior to periods of inactivity (e.g. December break).	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.1.16	Water should be allowed to drain from the road into side drains.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.1.17	Oversize rock from pavement construction should be dumped at the outlets during construction to dissipate energy and prevent erosion.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.

<b>3.2. SOURCING AND TRANSPORTATION OF MATERIAL</b>			
3.2.1	To ensure that while material is transported, it cannot be of negative influence to the surrounding environment.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.2.2	To limit the spread of contaminated soil.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.2.3	To limit traffic congestion. To limit dust during transportation.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.2.4	To limit excessive noise	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.2.5	Topsoil, fertile soil and other borrow material required for use by the project must be sourced from an area free of alien and invasive species infestation.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.2.6	Existing access roads must be utilised as far as possible, with only the minimum new access roads being constructed where absolutely necessary. This must be done in agreement with the affected landowner if applicable.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.2.7	Access to privately owned land will be arranged with the various landowners along the alignment by the contractor, in conjunction with the PM and Anglo,	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.2.8	Adequate and appropriate traffic warning signage must be erected where applicable, along transport routes and access roads.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.2.9	The contractor shall take preventative measures e.g. screening, muffling, timing, and pre-notification of affected parties, to minimise complaints regarding noise nuisance.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.2.10	Vehicle speed on site shall be restricted to not more than 60km/h on dedicated and single purpose haul roads, not more than 40 km/h for construction vehicles and not more than 40 km/h for motor vehicles.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.2.11	All soil, rock or other materials must be securely covered during transportation when travelling on public roads.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.

<b>3.3 TRENCHING AND TRANSPORT OF SOILS</b>			
3.3.1	Objective(s): To reduce the generation of dust on or close to the construction site.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.3.2	The contractor is to take appropriate measures to minimise the generation of dust as a result of excavation works. Such measures include frequent spraying of water during low rainfall.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.3.3	Paved or surfaced roads should be used where possible.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.3.4	Speed limits must be enforced in all areas to reduce the generation of dust.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.3.5	Cover dump trucks before traveling on public roads or relevant as per ECO approved method statement.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.3.6	Keep soil loads below the freeboard of the truck to minimise fugitive dust.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.3.7	Revegetate disturbed areas as soon as possible after construction.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.3.8	When feasible, shut down idling construction machinery.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.3.9	Tighten gate seals on dump trucks.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>3.4 CONSTRUCTION ACTIVITIES IN OR AROUND WETLANDS OR WATERCOURSESES</b>			
3.4.1	Storm water management systems, such as berms, should include energy dissipation structures to minimise the potential erosion and/or sedimentation of the affected watercourses.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.4.2	Surface water management features should be placed in a manner to ensure flows remain unaltered in terms of direction, velocity and volume, thus the natural base flows, i.e. hydrological regime within these systems is maintained.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.

3.4.3	Clearing of vegetation should be kept to a minimum.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.4.4	No vehicular traffic shall be allowed in wet areas and along the boundaries of pans unless authorised by means of a water use license or authorisation.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.4.5	No equipment shall be used which June cause irreparable damage to wetland areas, other than that which is authorised.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.4.6	The wet areas must be marked as “no-go zones” to prevent unauthorised access to these sensitive areas by construction activities as well as to prevent undue disturbance in these areas. Construction activities impacting on wetland areas must be kept to an absolute minimum with materials being laid down outside the sensitive boundary.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.4.7	The conditions contained in the water use license must be adhered to.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.4.8	No water June be abstracted from local water unless such abstraction is approved by the Department of Water and Sanitation.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.4.9	Dust suppression on affected areas should not be over-sprayed to prevent water run-off and subsequent sediment loss in the vicinity of the study area.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>3.5 PROTECTION OF HERITAGE SITES AND PALAEOLOGICAL FINDS</b>			
3.5.1	The grave sites and cemeteries identified in the HIA report will not be affected by the 50 m wide temporary servitude.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.5.2	All workers must be made aware of the location of graves and cemeteries located around the construction site so as to avoid any undue damage to these areas.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.5.3	Should any archaeological sites or palaeontological finds be uncovered during construction, construction within the immediate vicinity must be stopped, and reported to Anglo immediately, after which a heritage specialist should investigate the find.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.

<b>3.6 STORAGE AND USE OF CEMENT AND CONCRETE BATCHING</b>			
3.6.1	To ensure all agreements with landowners are adhered to.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.6.2	To prevent complaints from landowners. Successful rehabilitation of disturbed areas.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.6.3	Cement must be delivered in secured bags or in approved bulk containers.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.6.4	Cement products in bags must be stored in storage containers and should only be opened only when needed.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.6.5	The storage facility and surrounding area must be swept and cleaned regularly as required to ensure that cement products do not the pollute the surrounding environment.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.6.6	Empty cement bags are to be collected in larger hessian or material bags which, once full, should be disposed of at a registered landfill site.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.6.7	Cement bags shall not to be burnt on site.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.6.8	No concrete batching / mixing should be done on bare soil.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.6.9	Batching plants shall be located within the designated working area on an impermeable surface to prevent cement spillages from contaminating bare soil.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.6.10	Care must be taken to prevent concrete spills.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.6.11	Unused batched concrete not used on site shall not be washed into drainage systems or watercourses as a means of disposal. The Contractor must provide a method statement for the proposed disposal of batched concrete not used in the works.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.6.12	The siting of batching plants shall be decided in conjunction with the Anglo PM and ECO.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.

3.6.13	The batching plant area shall be operated in such a way as to prevent contaminated water runoff and pollution of nearby streams or waterbodies.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.6.14	Anglo shall ensure that all agreements reached with the Landowner are fulfilled, and that such areas are rehabilitated once construction is completed	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>3.7 STORAGE OF TOPSOIL</b>			
3.7.1	Topsoil should be removed (dependent on the soil profile) and temporarily stockpiled adjacent to the road for re-use during rehabilitation and landscaping in order to rescue the indigenous seedbank, as this layer is naturally the most fertile.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.7.2	Avoid any further stripping/excavation and stockpiling of in-situ soils, as far as possible, to ensure that the soils remain in their natural horizon sequence.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.7.3	Topsoil stripping should occur during the dry season, to avoid compaction.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.7.4	The topsoil, including the existing grass cover is to be shallowly ripped (only the depth of the topsoil) before removal. This is to ensure that organic plant material, and the natural seed base is included in the stripping process.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.7.5	Stockpiles shall not be allowed to become contaminated with oil, diesel, petrol, garbage or any other material, which June inhibit the later growth of vegetation.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.7.6	The contractor shall apply soil conservation measures to the stockpiles to prevent erosion. This could include the use of erosion control fabric or grass seeding. The use of berms should also be considered to prevent the topsoil from washing away during rainy periods.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.7.7	All grass and other vegetation should be left on the topsoil stockpiles so that they colonise the area after construction.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.7.8	A photographic record must be kept of the topsoil stockpiles.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.7.9	Topsoil stockpiles must be placed on disturbed soil. Should no such area be available, the ECO is to advise on the laydown area for the stockpiles in each section.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.

3.7.10	The contractor shall devise a soil conservation and stockpiling plan, to be approved by the ECO and engineer, which shall detail: Stockpile sizes, laydown areas and form; Means of erosion (wind and water) prevention for stockpiles; The rehabilitation measures to be taken for the area occupied by the temporary stockpile; Soil replacement should preferably run in parallel (where feasible) with the construction process.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.7.11	Alien vegetation growing on stockpiles must be eradicated.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.7.12	Herbicides shall not be used to remove alien vegetation unless approved by the ECO and the PM and in accordance with legal prescriptions.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.7.13	Construction equipment shall not be permitted to traverse (and compact) stockpile areas, nor shall stockpiles be used as laydown or storage areas, and no stockpiles June be used as loading ramps.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.7.14	It must be ensured that topsoil stockpiles are located outside of any drainage lines and areas susceptible to erosion. Stockpiles should be placed away from areas known to contain hazardous substances, such as fuel storage areas. If any soils are contaminated, it should be stripped and disposed of at a registered hazardous waste dumping site.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.7.15	The location of topsoil stockpiles should be selected strategically such that minimal re-handling is required during rehabilitation.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.7.16	Topsoil stockpiles should be placed (stockpiled) within the servitude and in designated areas in separate windrows, parallel to the proposed dragline route alignment.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.7.17	Stockpiles shall be formed such that no ponding of surface water forms on the surface of the stockpile, and the windrows shall not exceed 2 m in height and shall be so placed to occupy minimum width compatible with the natural angle of repose of the material.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.7.18	Measures should be taken to prevent the stockpiled soil material from being spread over too wide a surface.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.

3.7.19	Topsoil shall not be buried or rendered in any other way unsuitable for further use, and precautions shall be taken to prevent unnecessary handling and compaction	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.7.20	Topsoil in particular shall not be subject to a compaction force greater than 1 500 kg/m <sup>2</sup> and shall not be pushed by a bulldozer for more than 50 m.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.7.21	Soil erosion from stockpiles can be minimised by providing suitable storm water and cut off drains, and/or establishing a temporary vegetation cover on the stockpiles.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>3.8 STORAGE AND USE OF HAZARDOUS MATERIAL</b>			
3.8.1	Hazardous materials – such as paint, cement, fuels, bitumen, fuel, oil, herbicides, battery acid or detergents – must be stored in a hazardous store which is bunded to contain 110% of the store's capacity, lockable and well ventilated when not in use.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.8.2	A register shall be kept on all hazardous substances and must be available for inspection at all times. Areas shall be monitored for spills and any spills shall be contained, cleaned and rehabilitated immediately.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.8.3	No decantation into unmarked containers or containers with irrelevant labelling.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.8.4	When handling hazardous materials, manufacturer's specifications must be complied with. Material Safety Data Sheets for all hazardous materials must be available where these materials are stored.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.8.5	All reasonable care must be taken to prevent spills of any hazardous material when in use.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.8.6	Emergency spill response and clean-up procedures must be in place with capable people listed as responsible parties. These parties must have the necessary training to adequately handle major accidents and/or spillages, including where such spillages might occur within a watercourse.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.8.7	All spills (minor and major) must be cleaned and remediated to the satisfaction of the ECO within 24 hours of occurrence, or the shortest time possible.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.

3.8.8	Appropriate remedial measures must be designed and implemented at the site.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.8.9	The contractor must ensure that there is a supply of absorbent material (e.g. Drizit) and clean-up materials readily available to absorb, break down and, where possible, encapsulate minor hazardous material spillages	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.8.10	All products are to be stored with compatibility in mind.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.8.11	Storage areas shall display the required safety signs depicting "No smoking", "No naked lights" and "Danger". Containers shall be clearly marked to indicate contents as well as safety requirements.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.8.12	The contractor shall supply a method statement to the engineer for approval for the storage of hazardous materials prior to site preparation works.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.8.13	Objective(s): To ensure that there is optimum environmental protection (of especially soil) from fuel spills.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.8.14	Fuel must be stored in above ground storage tanks or sealed containers, contained within a bunded area with sump drainage.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.8.15	All bunds must be designed to contain at least 110% of the tank or drum storage capacity (this shall apply to above ground storage, and include fuels, welding equipment and oxy-acetylene cutting equipment).	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.8.16	No drainage from fuel storage areas shall be permitted.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.8.17	Any other hazardous substances stored in bulk will require appropriate bunding.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>3.9 STORAGE, REMOVAL AND DISPOSAL OF CONSTRUCTION WASTE</b>			
3.9.1	To keep the servitude neat and clean.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.9.2	Disposal of rubble and refuse in an appropriate manner.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.

3.9.3	Minimise litigation. Minimise landowner complaints.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.9.4	No material shall be left on site that could be of harm to humans and animals.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.9.5	Surplus concrete June not be dumped indiscriminately on site, but shall be removed from site when nearing completion of the different Work Packages.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.9.6	Concrete trucks shall not be washed on site unless adequate washing and concrete collection facilities are introduced to site.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.9.7	Bins and containers must be made available by the contractor for the storage of construction waste, except earthworks spoil.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.9.8	All construction waste shall be stored in waste skips located strategically on site. A licensed waste contractor shall collect these skips for removal to a licensed landfill site. No construction waste June be stored on site for longer than 30 days.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.9.9	The contractor will be responsible to remove and transport all construction waste material off site to a registered waste disposal facility (proof of this as well as a copy of the site's Registration Permit, must be provided by the contractor to the ECO).	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.9.10	No burning of waste will be permitted on site.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>3.10 STORAGE, REMOVAL AND DISPOSAL OF DOMESTIC WASTE</b>			
3.10.1	The contractor must supply clearly marked waste bins at the laydown area for the storage of domestic waste.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.10.2	Recyclable waste, including glass, paper and plastic must be separated at the construction camp, stored and recycled, where economically feasible.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.10.3	Personnel must be informed about the necessity of using the waste drums.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.

3.10.4	The contractor must conduct site clean-ups of litter other than construction waste on a weekly basis, and dispose of it in the designated refuse bins provided at the contractor's laydown area.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.10.5	The contractor must dispose of all domestic refuse generated by his staff and sub-contractors when waste containers are full. The contractor must provide proof of this to the ECO in the form of a safe disposal certificate, where applicable and regularly issued.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.10.6	Where domestic waste is collected by the relevant municipality itself, a collection receipt will be suitable proof of safe disposal.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>3.11 STORAGE, REMOVAL AND DISPOSAL OF HAZARDOUS WASTE</b>			
3.11.1	The contractor is required to the National Environmental Management: Waste Act (Act No. 59 of 2008) to determine whether any substance (new or waste) stored on site is subject to controls contained within the Act.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.11.2	All hazardous waste (including waste water) must be stored in sealed and suitably marked containers for removal to a registered hazardous waste disposal facility.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.11.3	Hazardous waste June only be stored on site for a period of 90 days, after which it must be disposed of at a registered hazardous waste disposal site.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.11.4	Any oil spillage on site will be excavated to a depth determined between the ECO and disposed of for removal to a registered hazardous waste disposal site. Excavated areas are to be refilled with suitable replacement material. Alternative in-situ remediation techniques could be used, if approved by the ECO.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>3.12 VEGETATION CLEARING</b>			
3.12.1	Keep the proposed dragline relocation operational activities within designated low sensitivity areas, as far as possible.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.12.2	If possible, avoid placement of the dragline route and related infrastructure in the sensitive wetland habitat unit and associated buffer zone, except where authorised by the WUL.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.

3.12.3	The construction and operational footprint must be kept as small as possible in order to minimise impacts on the surrounding environment.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.12.4	Edge effects of construction and operational activities need to be actively managed so as to minimise further impacts to the receiving environment.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.12.5	Alien and invasive vegetation control should take place throughout all development phases to prevent loss of floral habitat.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.12.6	Restrict vehicles to travelling only on designated roadways to limit the ecological footprint of the proposed development activities.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.12.7	No uncontrolled fires whatsoever should be allowed.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.12.8	Crinum graminicola, Gladiolus vinosomaculatus, Gladiolus crassifolius or Crinum macowanii might be disturbed as a result of the proposed project. Should any plants be found during the site walk down, they must be relocated to suitable, similar habitat in close proximity to where they were removed from, outside the disturbance footprint, but on the same property. If moved to a different property, relevant permits must be obtained from the Mpumalanga Tourism and Parks Agency.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>3.13 FAUNA</b>			
3.13.1	The contractor must ensure that the site is kept clean and free of litter that could potentially attract animal pests, and that refuse bins are scavenger proof.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.13.2	The contractor must report problem-animals or vermin to the ECO. The possibility exists that domestic animals from neighbouring communities could scavenge the site.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.13.3	Ensure that domesticated and livestock animals belonging to the local community are kept away from the construction works.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.13.4	The contractor June only make use of pesticide or poison to control unwanted animals through the appointment of a registered pest control operator.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.13.5	Workers should be educated so as not to kill any fauna found on site.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.

3.13.6	The footprint of disturbance should be limited to the servitude.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.13.7	Hunting or trapping is strictly prohibited. Anyone found guilty of such an act shall be penalised.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.13.8	Access roads should be planned so that only minimum linear distances are developed.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.13.9	Excavations must be checked on a daily basis for any signs of fauna which June have fallen in.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>3.14 EMPLOYMENT OPPORTUNITIES AND SOCIAL BENEFITS</b>			
3.14.1	The recruitment policy used to employ people on the project must be fair and transparent.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.14.2	The intention of giving preferential employment to locals is clearly communicated, so as to discourage an influx of job-seekers from other areas.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.14.3	Have clear rules and regulations for access to the construction site to control loitering.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.14.4	Construction workers should be clearly identifiable by wearing proper construction uniforms displaying the logo of the construction company.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.14.5	Construction workers must also be provided with identification tags.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.14.6	Unskilled job opportunities should be afforded to the local communities. The average unskilled labour component for projects of this nature and size range between 40% and 60% of the total labour force, the majority of these opportunities should be afforded to the local community. Core semi- and skilled staff is normally part of the contractors' core team, but make up a certain percentage of the total workforce.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.14.7	Equal opportunities for employment should be created to ensure that the local female population also has access to these opportunities.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.

3.14.8	Payment should comply with applicable labour legislation in terms of minimum wages.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.14.9	Where local labourers are employed on a permanent basis, these labourers should be registered with the Unemployment Insurance Fund (UIF), Pay as You Earn or any other official bodies as required by law. This would enable the workers to claim UIF as a means of continuous financial support when the workers' construction phase positions have become redundant or once the construction phase comes to an end.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.14.10	Anglo Operations should encourage, in consultation with key stakeholders, construction companies to use local services.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.14.11	Anglo Operations is to deliver on its SLP commitments.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.14.12	Regarding safety and security, construction workers should be clearly identifiable	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.14.13	Overalls should have the logo of the construction company on it and construction workers should wear identification cards.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.14.14	The construction site should be fenced and access controlled. Loitering of outsiders at either the construction site or at the laydown areas should not be allowed. Local security companies and SAPS should be requested to assist in this regard.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.14.15	Liaison structures are to be established with local security companies and police to monitor social changes during the construction phase. Liaison should also be established with existing crime control organisations	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>3.15 CROSSING OF DISTRIBUTION LINES, TELEPHONE LINES AND GAS PIPELINES</b>			
3.15.1	Control and prevent temporary or permanent Infrastructure, plant installations. Ensure control over damage to infrastructure. Prevent interference with the normal operation of activities in close proximity to inhabited areas.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>3.16 CROSSING OF NATIONAL, PROVINCIAL ROADS AND RAILWAY LINES</b>			

3.16.1	Proper protection shall be afforded to and maintained for existing infrastructure affected by construction and operational activities	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.16.2	Any damage to pipelines, distribution lines and the Telkom line shall be repaired immediately.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.16.3	Upon completion of the project all roads directly damaged by construction activities shall be repaired to their original state.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.16.4	The interruption of existing services to facilitate construction must be carefully planned. If possible, disruptions must be kept to a minimum and should be well advertised and communicated to the Landowners.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
3.16.5	All existing services affected by the crossing should be identified, relocated and protected in accordance with the requirements of the service owners.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>4. OPERATIONAL PHASE</b>			
<b>4.1 DRAGLINE EXCAVATOR WALK</b>			
4.1.1	Method statements and designs for the protection of infrastructure must be approved by the Engineer prior to construction activities commencement	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
4.1.2	Cross drainage to be designed to same standards as main road.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
4.1.3	Surfacing of bypass June require repair after dragline has crossed. Sufficient area should be provided for dragline to park, while bypass is repaired, before traffic is deviated.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
4.1.4	Any information signs on the main roads, that will be bypassed, should be duplicated on the bypass.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
4.1.5	Straw cushion and fill protection of N4:450 mm straw to limit punching and ease removal. ± 1.2 m selected fill material, G8 or better, with no stones larger than 0.1 m, lightly compacted in layers not exceeding 200 mm, compacted and placing at optimum moisture content. Protection layer to be removed after crossing. FWD tests at known positions outside and under feet and belly of dragline crossing before and after crossing.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.

4.1.6	Provincial design standards to be applied.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
4.1.7	Spraying of water and other dust suppression could be considered on gravel roads, depending on traffic volumes and conditions.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
4.1.8	Any information signs on the main roads, that will be bypassed, should be duplicated on the bypass.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
4.1.9	Bypass should be protected prior to the dragline crossing it.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
4.1.10	All damages to existing roads are to be repaired to its original condition.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated.
<b>5. REHABILITATION AND POST CLOSURE PHASE</b>			
<b>5.1 REHABILITATION OF DRAGLINE ROADS, LAYDOWN AREA AND WASTE REMOVAL</b>			
5.1.1	Disturbed and cleared areas need to be revegetated with indigenous grass species in order to help stabilise the soil surface.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated (completed in April 2020).
5.1.2	Alien and invasive vegetation control should take place for a period of two years after rehabilitation.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated (completed in April 2020)
5.1.3	Where wetland areas have been affected, these areas need to be rehabilitated and in-stream flow must be reinstated, where necessary.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated (completed in April 2020)
5.1.4	All soils compacted as a result of construction and operational activities should be ripped and profiled.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated (completed in April 2020)
5.1.5	Soil compaction must be alleviated by ripping the soils to approximately 60 cm below ground surface to physically loosen the soil, using appropriate tillage implements. Rehab plan.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated (completed in April 2020)
5.1.6	Ripping of soils should occur prior to spreading of topsoil and reseeded, as per Anglo American Rehabilitation Guidelines).	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated (completed in April 2020)

5.1.7	Soils should be tilled to at least 1350 kg/m <sup>3</sup> to improve infiltration and crop water and nutrients uptake following rehabilitation, particularly where the dragline route traverses cultivated fields.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated (completed in April 2020)
5.1.8	Compaction can be monitored biannually until the soil bulk density stabilises to at least 1350 kg/m <sup>3</sup> in topsoil and 1650 kg/m <sup>3</sup> in the subsoil horizons for at least three consecutive monitoring events.	NA	Following the rehabilitation, an external service provider was engaged to oversee the effectiveness of the rehabilitation management efforts. During the audit, a report titled "Dragline Walkway Rehabilitation Monitoring Commissioned by Anglo Operations (Pty) Ltd," prepared by EkoInfo CC & Associates (July 2021), was reviewed. The report noted that soil and agricultural potential monitoring—specifically regarding soil compaction—showed that the soil's bulk density was comparable to that of the surrounding unaffected soils.  Notwithstanding this, this condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated (completed in April 2020).
5.1.9	After rehabilitation, and when soils are returned to agricultural use, annual replenishment of essential plant macronutrients, particularly nitrogen (N), phosphorus (P), and potassium (K), is recommended until normalised crop yields are attained.	NA	Following the rehabilitation efforts, an external service provider was engaged to oversee the effectiveness of the management interventions implemented. During the audit, a report titled "Dragline Walkway Rehabilitation Monitoring Commissioned by Anglo Operations (Pty) Ltd," prepared by EkoInfo CC & Associates (July 2021), was reviewed. The survey involved monitoring plant species, and the report indicated that the species observed primarily consisted of climax species found in undisturbed areas. These species are representative of the locally indigenous flora that naturally occurred in the region, thereby confirming the improved condition of the grassland established on the previously transformed (cultivated) areas.  Notwithstanding this, this condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated (completed in April 2020).
5.1.10	Soil compaction monitoring should preferably be correlated with annual crop yield monitoring for at least five years, in order to assess the residual effects of the proposed dragline relocation on agricultural crop productivity.	NA	Condition 5.1.8 and 5.1.9 above refers.
5.1.11	Maintenance of the re-seeded areas shall be conducted until an acceptable cover has been established, meaning 75% ground cover with no gaps exceeding 500 mm. Maintenance includes watering, mowing and weeding as well as preventing the development of erosion channels.	NA	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021)

5.1.12	The removal of all construction facilities, materials, and waste from laydown areas will be required, and rehabilitation carried out. This includes the removal of concrete and compacted earth platforms, fuel storage tanks and chemical toilets.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated (completed in April 2020)
5.1.13	All access roads constructed for the project which are no longer required shall be rehabilitated.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated (completed in April 2020)
5.1.14	Any contaminated material or soil must be removed to a registered hazardous waste disposal facility.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated (completed in April 2020)
5.1.15	Rehabilitation must be carried out as soon as possible after the dragline walk is completed.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated (completed in April 2020)
5.1.16	All rehabilitation is to be done with approval of Anglo environmental management department.	N/A	This condition falls outside the scope of the audit period (June 2024-June 2025). The dragline walkway was constructed, completed, and rehabilitated (completed in April 2020)

## **5. SUMMARY OF THE AUDIT FINDINGS**

### **5.1. NON-COMPLIANCES**

During the audit of Khwezela Navigation Colliery in respect of MP 30/5/1/2/3/2/1 (306) (EM) and Ref. No. 17/2/3N-343/3.24, a total of three (3) findings were identified. This reflects a notable 25% improvement compared to the previous audit conducted during the 2023/2024 audit period, indicating positive progress in overall environmental performance.

The findings primarily relate to rehabilitation and land management, where evidence of soil erosion was observed within certain disturbed areas. In addition, issues were identified regarding chemical management, specifically chemical spillages occurring in the vicinity of the Lime Mixing Tank. Furthermore, waste management practices were found to be non-compliant, as waste was observed to be disposed of outside designated waste skips.

These observations highlight the need for continued focus on effective rehabilitation measures, improved chemical handling and containment practices, and strengthened waste management controls to prevent recurrence and to further enhance compliance with environmental authorisation and management requirements.

### **5.2. ACTIONS TO ADDRESS THE NON-COMPLIANCES**

An Action Plan to address and rectify the non-compliances was provided by Khwezela Navigation Colliery and is included in Table 8. The evaluation of the effectiveness of the implementation of corrective actions should be carried out during follow-up external environmental performance assessment, currently scheduled for 2026.

### **5.3. RECOMMENDATIONS TO AMMEND CERTAIN CONDITION**

In terms of Regulation 34(4) of the EIA Regulations (GN R984 of 2014), no recommendations are made to amend the conditions of the Environmental Management Programme. Khwezela Navigation Colliery largely complies with the conditions of its Environmental Authorisation and Environmental Management Programmes. Non-compliances with that were raised during the audit can be addressed through corrective actions and can be affected within a short period if one considers the nature and extent of non-compliances.

**TABLE 8. SUMMARY OF NON-COMPLIANCES AND ACTION PLAN**

NC NO.	AUDIT CONDITION REF.	NON-COMPLIANCE DESCRIPTION	ACTIONS TO ADRESS NON-COMPLIANCE	THUNGELA REF.	RESPONSIBLE DEPT. s & PERSON	TARGET DATE
NC 1	MP 30/5/1/2/3/2/1 (306) (EM) 3.31  (REF NO. 17/2/3N-343)/3.36	Rehabilitation is undertaken in accordance with the Thungela Rehabilitation Guideline (Doc No. TR.TECH.TS.025.GL.1, approved 22 November 2021) and the Thungela Rehabilitation Standard (Doc No. TR.TECH.TS025. approved 08 November 2021). However, during the site inspection erosion was observed at the following areas: -Down gradient of the dam wall all the way downgradient towards the Schoonies dam  -Erosion is present down gradient of the Middel dam wall all the way downgradient.	Investigate feasibility and develop a plan for the rehabilitation of erosion downgradient of the Middel Dam towards the Schoongezicht Pollution Control Dam	TS.01780750	<b>Metallurgy Department:</b> L. Mokgobi	12/2/2026
NC2	MP 30/5/1/2/3/2/1 (306) (EM) 3.34	During the site inspection, chemical spillages were noted: -Spills are observed around the Lime Mixing Tank. -Large quantities of water noted spilling over from washing bay, and ponding in the road. -The Acid Dam Pump system indicated various spills and water beyond the contained areas of the pump.	Investigate a solution to prevent the overflows at the mixing area i.e., water level interlock to prevent overflowing of the Lime Mixing Tank  Ensure that equipment is washed within the designated area to prevent overflows beyond the washday.	TS.01780751  TS.01780752	<b>Metallurgy Department:</b> L. Mokgobi  <b>Mining Department:</b> N. Kunene	12/2/2026
NC3	(REF NO. 17/2/3N-343)/3.24	During the site inspection, several waste management issues were noted: - In the Crusher Area on the eastern side of the conveyor, waste disposal activities were observed in this location. - Behind the LDV Workshop in the Salvage Area, waste presumed to originate from the workshop, such as plastic bags, was found being disposed of there. - At the Acid Dam near the old settling pumps, waste dumping activities were observed.	Collect and dispose of waste that was incorrectly disposed of at the Crusher area on the eastern side of the conveyor and provide waste disposal facilities in the area.  Collect and dispose of waste that was incorrectly disposed of at the Acid dam where old settling pumps and waste dumping was observed. Provide waste disposal facilities where necessary.  Address Poor housekeeping behind the LDV Workshop in the Salvage Area. Provide waste disposal facilities where necessary.	TS.01780753  TS.01780754  TS.01780755	<b>Processing Department:</b> S. Elliott  <b>Metallurgy Department:</b> L. Mokgobi  <b>Mining Department:</b> N. Kunene	12/2/2026

## 6. CONTINUAL IMPROVEMENT

The external environmental Performance Assessment was conducted on 12 May 2025 by NTC Group (Pty) Ltd for the annual period June 2024 – June 2025. Findings from the previous annual Performance Assessment (2023 - 2024) have been adequately addressed and no repeat findings were noted.

## 7. CONCLUSION

The audit of Khwezela Navigation Colliery against the requirements of MP 30/5/1/2/3/2/1 (306) (EM) and Ref. No. 17/2/3N-343/3.24 identified a total of three (3) findings during the current audit period. This represents a meaningful 25% improvement compared to the 2023/2024 audit period and demonstrates positive progress in the colliery's overall environmental performance and responsiveness to previously identified issues.

Notwithstanding this improvement, the findings indicate areas requiring further attention, specifically in relation to rehabilitation and land management, chemical handling and spill prevention, and waste management practices. Evidence of soil erosion, chemical spillages in the vicinity of the Lime Mixing Tank, and improper disposal of waste outside designated waste skips highlight gaps in the effective implementation of certain environmental management controls.

Overall, while Khwezela Navigation Colliery shows an improving compliance trajectory, continued commitment is required to address the identified findings, implement effective corrective and preventative actions, and strengthen environmental management systems to ensure sustained compliance with environmental authorisation conditions and applicable regulatory requirements.

## 8. REFERENCES

- 24-3178-EMC (Thungela Navigation IWWMP Update - 2024) Ver. 0.0. BY ECOE Innovative Consulting Updated 12 May 2025 by Willencha Snyders
- 22-1912-AUTH Thungela Khwezela Annual Water and Salt Balance Update 0.0. BY ECOE Innovative Consulting Updated 12 May 2025 by Willencha Snyders
- Bokgoni WUL License No\_03\_B11j\_ACFGIJ\_4750 reports
- CCM External WUL Audit Report
- Thungela Coal South Africa: Khwezela North Colliery Final Rehabilitation, Decommissioning and Mine Closure Plan Report Date: 12/15/2021 DMRE Reference: MP 30/5/1/2/3/2/1 (306) EM.
- Amendment Licence in Terms of Chapter 17 of the National Water Act, 1998 (ACT NO 36 of 1998) (The Act)- Licence NO: 04/B20G/ABCGIJ/1245. File No:16/2/7/B100/C101.
- Kromdraai WUL License number\_04/B20G/ABCGIJ/1245.
- Licence in Terms of Chapter 4 of the National Water Act, 1998 (ACT NO 36 of 1996) (THE ACT) - Licence NO: 04/B20G/ABCGIJ/1245. File No:16/2/7/B100/C101.
- RE: Bokgoni/RLT sewage plant - External audit
- RE: Kromdraai WUL License Number: 04/B20G/ABCGIJ/1245
- Umlalazi WUL License No: 03/B20F/ACGIJ/4781
- Regional Biodiversity Management Plan for Coal South Africa Operations Anglo American Coal South Africa Report
- Biodiversity Action Plan for Kleinkopje Colliery Anglo-American Thermal Coal- February 2014
- Thungela Closing Collieries Hydrocarbon and Chemical Handling Procedure- Implementation Date: 2021/10/29. DOC NO CC-ENV-PRO-1823
- Thungela Khwezela Incident Reporting Management Procedure- Implementation Date: 2022/12/22. DOC NO KHW- SAF-PRO-2085
- Thungela Closing Collieries Waste Management Procedure- Implementation Date 2021/10/29.

**APPENDIX A**  
**AUDITOR DECLARATION**

## ENVIRONMENTAL PRACTITIONER'S DECLARATION:

---

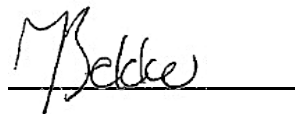
### I, TANJA BEKKER, DECLARE THAT –

- 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:



M. Bekker

# ENVIRONMENTAL PRACTITIONER'S DECLARATION:

---

## I, **TEBOHO MOTINYANE**, 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:**

**17.12.2025**

The Environmental Assessment Practitioner General declaration:

I, **RAISIBE MABIZA**, declare that –

- I act as the independent environmental practitioner in this Audit.
- I will perform the work relating to the audit 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 compliance audits, including knowledge of the Act, regulations and any guidelines that have relevance to the proposed activity.
- I will comply with the Act, Regulations, and all other applicable legislation.
- 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 audit, whether such information is favourable to the auditee or not; will perform all other obligations as expected from an environmental assessment practitioner in terms of the Regulations; and
- I realise that a false declaration is an offence in terms of regulation 48 and is punishable in terms of section 24F of the Act.

**Disclosure of Vested Interest (delete whichever is not applicable)**

I do not have and will not have any vested interest (either business, financial, personal, or other) in the activity other than remuneration for work performed in terms of the Environmental Impact Assessment Regulations, 2014.

Signature: 

Company: **NTC GROUP (PTY) LTD**

Date: **11 DECEMBER 2025**

**APPENDIX B**  
**AUDITOR CURRICULUM VITAE**



## **TEBOHO MOTINYANE**

Company: NTC Group (Pty) Ltd  
SACNASP: (126871) , IAIA-SA  
Mobile: +27 (0) 82 459-6874  
Email: [teboho@ntcgroup.co.za](mailto:teboho@ntcgroup.co.za)

### **BRIEF PROFILE**

Teboho has extensive training and experience in environmental science and land management disciplines with Mining Industry (Arnot Opco, Exxaro Resources, Sasol Mining, BHP Billiton Energy Coal South Africa and Universal Coal) of about 20 years. Prior to joining the Mining Industry, Teboho has more than 5 years with the then Department of Minerals and Energy (now DMRE). He holds an MSc in Environmental Science and BSc. Hons from Rhodes University (Makanda). He is also a member of the South African Council of Natural Scientific Profession (licensed in South Africa) and is a certified ISO14001 EMS auditor. Teboho has been responsible for leading and managing numerous and varied environmental and land management projects for over 15 years.

### **PROFESSIONAL QUALIFICATIONS**

2002: MSc (Environmental Science) - Rhodes University

1999: B.Sc. Hons. Environmental Science - Rhodes University

1994: B.Sc. Physics and Physical Geography NUL

### **PROFESSIONAL AFFILIATIONS**

SACNASP(126871)

IAIA-SA

### **PROJECT EXPERIENCE**

- March 2025 – Present: **Principal Consultant**, Sandton, Johannesburg, South Africa).
- June 2020 – February 2025: **Environmental and Land Manager (Arnot Opco Mine**, Rietkul Middelburg, South Africa).
- June 2018 – May 2020: **Environmental Manager (Universal Coal New Clydesdale Colliery**, Kriel, South Africa).
- March 2017 – May 2018: **Environmental Specialist (Exxaro Arnot Mine**, Rietkul, South Africa).
- March 2016 – February 2017: **Environmental Practitioner (Sasol Mining – Brandspruit and Impumelelo Collieries**, Secunda, South Africa).
- August 2015 – February 2016: **Environmental Consultant (Commonground Environmental Consulting**, Middelburg, South Africa).

- August 2008 – July 2015: **Environmental Superintendent (BHP Billiton Energy Coal South Africa (BECSA) - Klipspruit and Wolvekrans Collieries** Ogies/Middelburg, South Africa).
- June 2006 – July 2008: **Environmental Specialist (Sasol Mining Support Services, Secunda, South Africa).**
- November 2002 – May 2006: **Assistant Director Environment (Department of Minerals and Energy, Polokwane, South Africa).**

I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe my qualifications, my experience, and me.

Signature \_\_\_\_\_



## **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](mailto: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



**RAISIBE MABIZA**

Company: NTC Group (Pty) Ltd

Environmental Consultant

Mobile: +27 72 679 3782

Email: [raisibe@ntcgroup.co.za](mailto:raisibe@ntcgroup.co.za)

**BRIEF PROFILE**

Raisibe Mabiza holds a BSc Honours in Environmental Management and has over ten (10) years' industry experience as an Environmental Scientist. Her experience includes environmental compliance auditing of Environmental Authorisations (EAs), Environmental Management Programmes (EMPrs), Atmospheric Emission Licences (AELs), Water Use Licences (WULs), Waste Management Licences (WMLs), as well as environmental permitting (Environmental Impact Assessment (EIA), AEL, WUL, WML) and Environmental Control Officer (ECO). She has undertaken compliance auditing, environmental permitting and on-site compliance monitoring in the mining sector. She has been involved in projects from inception to closure as both a Project Assistant and Project Manager.

**PROFESSIONAL REGISTRATIONS**

SACNASP Professional Natural Scientist (123746)

**PROFESSIONAL QUALIFICATION**

2019: Bachelor of Science Honours in Environmental Management

2014: Bachelor of Science in Environmental Management & Geology

**PROJECT EXPERIENCE**

Raisibe has been involved in several projects as outlined below:

- Environmental Authorisation and licence compliance auditing
- Basic Assessment Reports
- Scoping and EIA
- Environmental Control Officer
- Environmental Management Programme reports
- Stakeholder Management
- Water Use License Applications
- Integrated Waste Management Plans
- Prospecting right applications
- Mining permit and mining right applications
- Assist with S24G application process