



MAFUBE COLLIERY: NOOITGEDACHT

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: 9 – 13 JUNE 2025

REFERENCES:

MP 30/5/1/2/3/2/1 (10026) EM

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RELATED DOCUMENTS

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0.2	Environmental Management Programme amendment for Mafube Colliery Nooitgedacht and Wildfontein Coal Reserves (November 2019) approved in the Environmental Authorisation (Ref. MP 30/5/1/2/2/1 (10026) MR).	03/07/2020

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1. INTRODUCTION

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

Thungela appointed NTC Group (Pty) Ltd as an independent Environmental Practitioner to undertake the annual external environmental performance assessments in accordance with Regulation 34 of the Environmental Impact Assessment (EIA) Regulations (GN R982 of 08 December 2014), as amended, and Regulation 55 of the Mineral Resources and Petroleum Development (MRPD) Regulations (GNR 527 of 23 April 2004), as amended, to assess compliance with the Environmental Authorisations (EA) and Environmental Management Programmes (EMPr) issued to its operations. This report forms part of the performance assessments undertaken at the Mafube Colliery.

1.1. MAFUBE COLLIERY

Mafube Colliery was a 50-50 Joint Venture between Anglo American Thermal Coal (AATC) (Pty) Ltd and Exxaro (Pty) Ltd, however, following the demerger and transfer of AATC on 04 June 2021, Thungela now owns the interests in Mafube Colliery.

Mafube Colliery is comprised of two sections, the Mafube Colliery: Springboklaagte Section and Mafube Colliery: Nooitgedacht Section. The Springboklaagte Section is a former opencast mine authorised in terms of a Mining Right (MP 30/5/1/2/2/172 MR) issued by the Department of Mineral Resources and Energy (DMRE) and reached its Life of Mine in December 2018, after which operations ceased and rehabilitation commenced in 2022. The Nooitgedacht Section is currently operational and authorised in terms of a separate Mining Right (MP 30/5/1/2/2/1/ 10023 MR), where open cast mining is taking place on farms Nooitgedacht and Wildfontein situated adjacent to the Springboklaagte Section.

This report presents the annual external environmental Performance Assessment Report (PAR) for Mafube Colliery: Nooitgedacht Section for the 2024 - 2025 audit period. The objective of the performance assessment was to verify Mafube Colliery: Nooitgedacht Section's compliance with conditions of the EAs and EMPrs that remained valid for the assessment period (June 2024 – May 2025) and to determine the effectiveness of mitigation measures implemented to manage environmental impacts associated with their authorised activities.

1.1.1. Mafube Colliery: Nooitgedacht Section

Mafube Nooitgedacht is an existing opencast mining operation is comprised of the Nooitgedacht and Wildfontein coal reserves. Mafube Nooitgedacht is situated on certain portions of the farms Roodepoort 418 JS, Nooitgedacht 417 JS, Springboklaagte 416 JS and Patatafontein 412 JS within the Magisterial District of Nkangala, Mpumalanga Province. The mine is located approximately 37 km east of the town of Middelburg via R104 Regional Road and 45 km west of Belfast (refer to Figure 1).

Mafube Nooitgedacht operates under a Mining Right (MP 30/5/1/2/2/1/ 10023 MR) granted in terms of the Mineral and Petroleum Resources Development (MPRD) Act (Act 28 of 2002) and an approved Environmental Management Programme Report (EMPr). The Mafube Nooitgedacht opencast operation produces power station and A-grade thermal export coal. All coal mined at the Mafube Nooitgedacht is transferred to the existing beneficiation (washing) plant located at Mafube Springboklaagte for processing. The preparation and clearance commenced on 13 October 2014 at Mafube Nooitgedacht, and the full construction phase commenced in January 2017, with the operational phase commencing in February 2018 (Wildfontein) and May 2018 (Nooitgedacht).

The Mpumalanga Department of Agriculture, Rural Development, Land and Environmental Affairs (MDARDLAE) issued Mafube Nooitgedacht with the following Environmental Authorisation:

1. Environmental Authorisation (Ref. MP 30/5/1/2/3/2/1 (10026) EM) for the amendment of the approved EMPr to be aligned with the Water Use Licence, Construction of the Access Road Parallel to the Conveyor Belt for Mining Purpose only and the Infrastructure Plan dated 03 July 2020.

This report presents the PAR for Mafube Nooitgedacht to verify compliance with the conditions of the EAs and EMPrs that remained valid for the assessment period (June 2024 - May 2025) and to determine the effectiveness of mitigation measures implemented to the manage environmental impacts associated with their authorised activities.

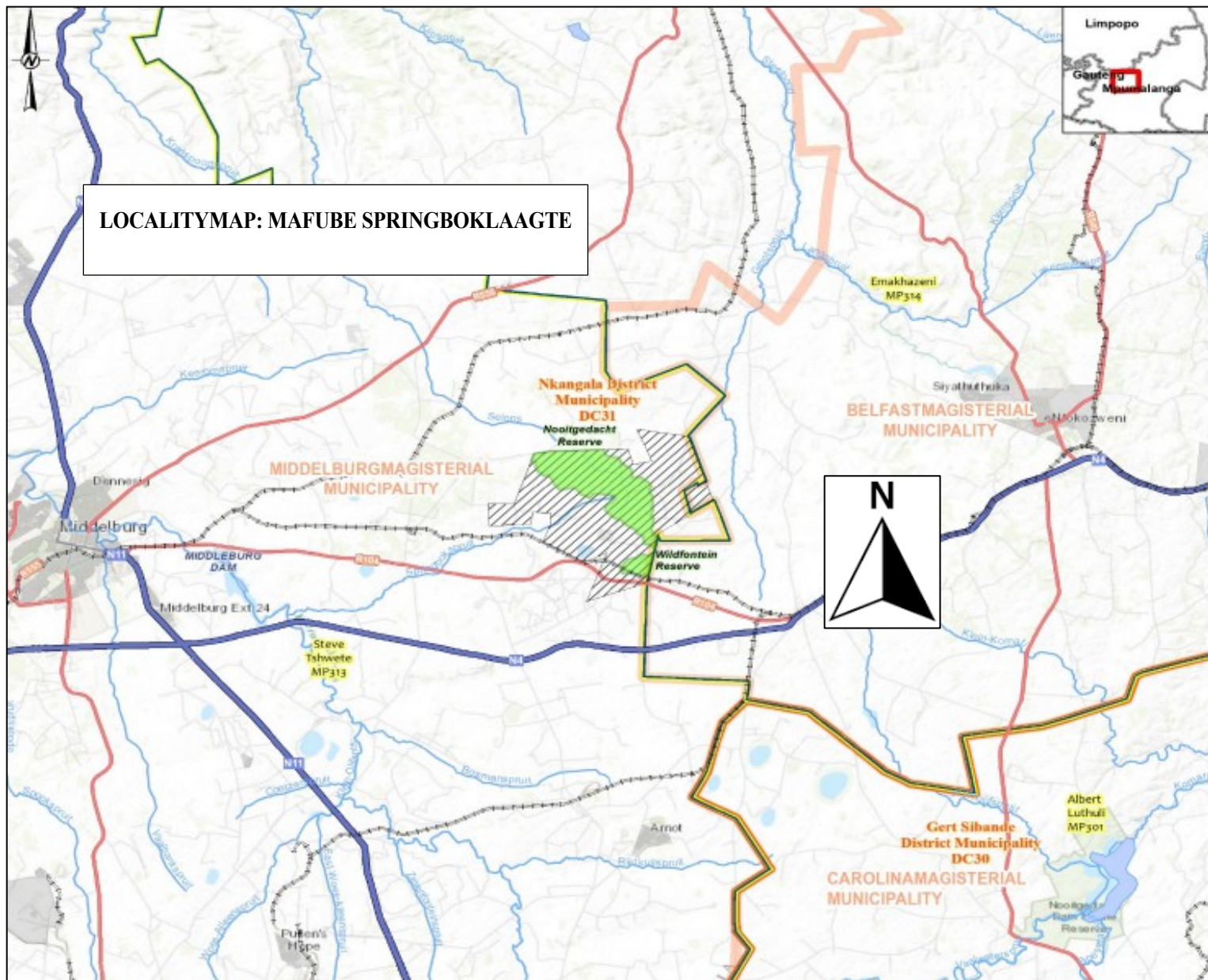


Figure 1: Locality Map of Mafube Colliery: Noolgedacht Section

2. PERFORMANCE ASSESSMENT TERMS OF REFERENCE

2.1. MINERAL AND PETROLEUM RESOURCES DEVELOPMENT REGULATIONS (GN R527 OF 23 APRIL 2023)

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

The amendment of the MPRD Act (Act 28 of 2002) in 2014, included the repeal of Sections 39 – 42 and the insertion of Section 38 A and B to align the requirements for Environmental Management Programmes contained in the National Environmental Management Act (NEMA) (Act 107 of 1998). Section 38B of the MPRDA (Act 28 of 2002), as amended, states that “*an environmental management plan or environmental management programme approved in terms of this Act before and at the time of the coming into effect of the National Environmental Management Act, 1SS8 shall be deemed to have been approved and an environmental authorisation been issued in terms of the National Environmental Management Act, 1SS8*”.

2.2. ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS (GN RG82 OF 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. MAFUBE NOOITGEDACHT ENVIRONMENTAL AUTHORISATIONS

The EAs issued by MDARLAE to Mafube Nooitgedacht that remained valid for the audit period and were audited in accordance with Section 34 of the EIA Regulations (GN R982 of 2014) are:

1. Environmental Authorisation (Ref. MP 30/5/1/2/3/2/1 (10026) EM) for the amendment of the approved EMPR to be aligned with the Water Use Licence, Construction of the Access Road Parallel to the Conveyor Belt for Mining Purpose only and the Infrastructure Plan dated 03 July 2020.

2.4. MAFUBE NOOITGEDACHT ENVIRONMENTAL MANAGEMENT PROGRAMMES

The approved Environmental Management Programmes that remained valid for the audit period and were audited in accordance with Section 34 of the EIA Regulations (GN R982 of 2014) are as follows:

1. Environmental Management Programme amendment for Mafube Colliery Nooitgedacht and Wildfontein Coal Reserves (November 2019) approved in the Environmental Authorisation (Ref. MP 30/5/1/2/2/1 (10026) MR) dated 03 July 2020).

2.5. ASSUMPTIONS AND LIMITATIONS

The scope of the performance assessment is to determine the level of Mafube Nooitgedacht'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 EMPr to manage the environmental impacts associated with the authorised activities.

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

- This performance assessment is a snap-shot representation of the current activities at Mafube Nooitgedacht.
- The assessment period is from June 2024 - May 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.

- Mafube Nooitgedacht representatives may be called upon to provide information relating to specific activities within their respective areas.
- Mafube Nooitgedacht is currently operational. Where current activities relate to construction, rehabilitation, decommissioning or closure, these may be deemed as not applicable.
- Procedures developed by Mafube Nooitgedacht 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 Mafube Nooitgedacht are provided in Table 2. The declaration of the auditor's independence is attached in Appendix A and the Curriculum Vitae for the auditors are attached in Appendix B.

Table 1: Details of the Audit Team

ROLE	RESPONSIBLE PERSON	CONTACT DETAILS
LEAD AUDITOR	Teboho Motinyane is a Principal Environmental Consultant at NTC Group (Pty) Ltd. Teboho holds an MSc in Environmental Science and has over 25 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: teboho@ntcgroup.co.za
LEAD AUDITOR	Raisibe Mabiza is a Senior Environmental Scientist at NTC Group (Pty) Ltd. Raisibe holds an BSc Honours in Environmental Management and has over 5 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: raisibe@ntcgroup.co.za

3.2. PERFORMANCE ASSESSMENT METHODOLOGY

3.2.1. Document Review

NTC Group (Pty) Ltd reviewed the conditions of the EA and EMPs listed in Sections 2.3 and 2.4. issued to Mafube Nooitgedacht and compiled a Request for Information (RFI) document which provided a list of documents and records required from Mafube Colliery to verify compliance with the conditions of the EA and EMP. The RFI was submitted to Mafube 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 Mafube Nooitgedacht's EA and EMPr 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 Assessment

A site assessment was conducted on 9-13 June 2025 and was attended by Teboho Motinyane (NTC), Tanja Bekker (NTC), Asanda Shobede (NTC), Ingrid Sithole (Mafube Colliery), Jackie Hlomuka (Mafube Colliery), and Caroline Perpermans (Pinsent Masons). During the site inspection, Mafube Nooitgedacht personnel were interviewed and the following facilities/ areas in were inspected:

- Isiqalo Sump
- Topsoil Stockpile
- New Topsoil Stockpile
- Transfer Dam
- Dust Suppression Tank
- Emergency Stockpile
- PCD
- Sewage Treatment Plant
- Workshop Offices
- Balancing Dam
- Water Treatment Plant
- Workshop (Pit Engineering).

3.3. PERFORMANCE ASSESSMENT COMPLIANCE CRITERIA

NTC Group (Pty) Ltd assessed each condition of Mafube Nooitgedacht’s EA and the EMPr 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: Performance Assessment Criteria

CRITERIA	ACC	DESCRIPTION
COMPLIANT	C	Full Compliance is when the current construction, operational, or decommissioning activities comply with the authorisation conditions. Mitigation measures or commitment thereof have been achieved and evidence is provided in the form of a document or condition implementation onsite. No mitigation measures are required where operations comply.
NON-COMPLIANT	N/C	Non-Compliance is when construction, operational, or decommissioning activities are in contravention of the conditions and/or have the potential to impact the environment in a detrimental manner. Non-compliance may also be associated with activities breaching legislation/ Mitigation measures or commitment thereof have not been achieved and evidence is not provided in the form of a document or condition implementation onsite. Non-Compliance findings have a high priority and mitigation measures are mandatory
NOT APPLICABLE	N/A	Not Applicable is assigned to authorisation/ permit conditions where activities no longer occur, that do not apply to current activities, that may be incorrect and require amendment, fall outside the audit period and/or are duplicates of existing conditions.
TAKE NOTE	T/N	In certain instances, conditions are presented in a manner which cannot be assessed as a Compliant or Non-Compliant Condition. This is a specific requirement which the Competent Authority may stipulate, which is applicable to the site and should be considered in the near future, or which allows the Competent Authority certain allowances.

3.4. 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.
- Mafube Nooitgedacht EA (refer to Section 2.3.) and EMPr (refer to Section 2.4.) that remained valid for the audit period.
- The scope of the assessment period between June 2024 - May 2025.
- The property boundaries of the Mafube Nooitgedacht as shown in Figure 1.

4. PERFORMANCE ASSESSMENT RESULTS

This section provides results of performance assessment to verify compliance with the conditions of Mafube Nooitgedacht's EA and EMPr. The performance assessment results are presented in the checklists described in Section 3.2.1 which tabulates the conditions of the EA and EMPr. 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 EA and EMPr are provided in Tables 3 and 4 as follows:

TABLE 3.	Environmental Authorisation (Ref. MP 30/5/1/2/3/2/1 (10026) EM) for the amendment of the approved EMPR to be aligned with the Water Use Licence, Construction of the Access Road Parallel to the Conveyor Belt for Mining Purpose only and the Infrastructure Plan dated 03 July 2020)
TABLE 4.	Environmental Management Programme amendment for Mafube Colliery Nooitgedacht and Wildfontein Coal Reserves (November 2019) approved in the Environmental Authorisation (Ref. MP 30/5/1/2/2/1 (10026) MR dated 03 July 2020).

TABLE 3. ENVIRONMENTAL AUTHORISATION (REF. MP 30/5/1/2/3/2/1 (10026) EM) FOR THE AMENDMENT OF THE APPROVED EMPR TO BE ALIGNED WITH THE WATER USE LICENCE, CONSTRUCTION OF THE ACCESS ROAD PARALLEL TO THE CONVEYOR BELT FOR MINING PURPOSE ONLY AND THE INFRASTRUCTURE PLAN DATED 03 JULY 2020)

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
8.1. STANDARD CONDITIONS			
8.1.1	The company must adhere to the amended EMPR submitted to this office on the 12 th of March 2019.	C	Mafube Colliery: Nootgedacht implements the conditions of the EMPR. Additionally, Mafube Colliery conducts audits as to compliance with the EMPR is set out below in terms of which Mafube generally complies with the EMPR.
8.1.2	The company must conduct an annual internal and external environmental performance audit and submit the report to this office (this should be for the whole mine).	C	Mafube Colliery conducts annual internal compliance audits of its WUL and appoints an independent external service providers to conduct an annual audits to verify compliance with the conditions of the relevant EA and EMPR and this is submitted to the Department. This report constitutes the external audit for the current audit period (June 2024 - May 2025) and the audit of the EMPR is provided herein.
8.1.3	All the recommendations in the specialist reports must be adhered to.	C	The approved EMPR includes recommendations from environmental specialists and Mafube Colliery implements the EMPR.
8.1.4	All comments and recommendations from other Department must be adhered.	T/N	Subsequent to the issuing of the Environmental Authorisation, Mafube Colliery: Nootgedacht reported that no further comments have been received from the Department.
8.1.5	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.	C	Mining is undertaken at Mafube Colliery: Nootgedacht in accordance with the Environmental Authorisation, EMPR and WUL (License no. 04/B41A/ACFGIJ/2702) for its mining activities.
8.1.6	The holder of the Authorisation must ensure 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 authorization.	C	Mafube Colliery ensures agents, subcontractors, and employees undergo induction training in environmental management before contract commences. The induction training was availed to the auditor for verification, and it does cover environmental good practice and EA conditions topics (Mafube Colliery 2024 Environmental Awareness Induction). Additionally, the Environmental Coordinator and Officer conducts toolbox talks for the employees.

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
8.1.7	Any changes to, or deviations from, the project description set out in this Authorisation must be approved, in writing, by the Department before such changes or deviations may be effected. In assessing whether to grant such approval or not, the Department may request such information as it deems necessary to evaluate the significance and impacts of such changes or deviations and it may be necessary for the holder of the Authorisation to apply for further Authorisation in terms of the regulations.	T/N	Mafube Colliery reported that no changes to the authorisations were undertaken for the audit period (June 2024 - May 2025).
8.1.8	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 Authorisation, the applicant must in writing notify the Regional Manager of the Department, within fourteen (14) days of the above specific change.	T/N	Mafube Colliery reported that no changes to the contact details were undertaken for the audit period (June 2024 - May 2025).
8.1.9	A copy of this authorization must be kept on site.	C	An electronic copy of the Environmental Authorisation was available at Mafube Colliery during the audit.
8.1.10	The Authorisation must be produced to any Government official (s) who March requests to see it for inspection purposes and must be available to the contractors (s)/subcontractor (s) authorized to undertake work at the property.	T/N	The condition is noted and accepted by Mafube Colliery.
8.1.11	This authorization does not negate the holder of the authorization, responsibility to comply with any other statutory requirements that March be applicable to the undertaking of the activity.	T/N	The condition is noted and accepted by Mafube Colliery.
8.2. SPECIFIC CONDITIONS			
8.2.1. Commissioning of the Activity			
8.2.1.1.	This Authorisation is hereby solely granted for the following:		

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
d)	<p>Inclusion of Wildfontein (Hlagisa) mining and water management strategy: Hlagisa Mining (Pty) Ltd has been constructed by Mafube to undertake mining activities at the Wildfontein pit (forming part of the current Authorisation) until the Wildfontein portion is ceded to them. Until such time, this EMPr needed to be aligned with the approved Wildfontein water use Licence to reflect the water management strategy at Wildfontein pit and Hlagisa operation (which is located north-east of the Wildfontein pit). The arrangement includes a pipeline from Wildfontein pit pumping water from the pit to Hlagisa pollution control dam.</p>	N/A	<p>Mafube Colliery undertook the activities after the Environmental Authorisation and Water Use Licence (License no. 04/B41A/ACFGIJ/2702) were issued. The side no longer operational and rehabilitation has been completed.</p>
e)	<p>Private maintenance of road instead of public maintenance of road. The 2012 approved EMPR stipulated that: An overland conveyor to transport the run-of-mine coal from the Nooitgedacht operations to Mafube colliery A maintenance service road which will run parallel to the overland conveyor and this will be a public road. The change which triggers an EMPR amendment in the above infrastructure is that in the current detailed designs of the proposed public access road running parallel to the conveyor belt, allowing access to the operational activities, will be constructed as a private gravel road (for use by Mafube only) instead of a public road.</p>	T/N	<p>The condition is noted and accepted by Mafube Colliery.</p>
f)	<p>Detailed infrastructure layout plans and updated impacts and associated management measures. A number of aspects that were not clear on the legend of the infrastructure and mine layout plans, contained on the approved EMPR, needed to be updated to reflect detailed plans in the EMPR amendment, retailing to the approved activities. The EMPR is also updated to reflect the latest wetland delineation (2015) and associated impacts and management measures.</p>	T/N	<p>The condition is noted and accepted by Mafube Colliery.</p>

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
8.2.1.2.	The activity may not commence without the necessary permit/licence/approvals and/or service agreements, where it is relevant, from or with the relevant regulatory authorities whether national, provincial or local.	T/N	The condition is noted and accepted by Mafube Colliery.
8.2.1.3.	The company must apply the principle of best practicable environmental options for the technologies used/implemented during the project.	C	Mafube Colliery continuously investigates and implements water conservation strategies. The " <i>Progress for second year and Capacity Building Report</i> " (Ref No. K5/2564 dated December 2017), compiled by the University of Pretoria: Department of Plant and Soil Studies investigates the potential of using mine impacted water in agricultural irrigation and assesses crops that can withstand the salt content of the water. Mafube Colliery conducts of water conservation awareness for its employees in the site induction and monthly environmental topics.
8.2.1.4. Pre-Construction Phase			
a)	The Environmental Control Officer (ECO) must monitor the activities and also monitor compliance with the conditions of the EA and the submitted regulation 32 report.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
b)	In order to ensure safety, all employees must be given the necessary personnel protective equipment (PPE).	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
c)	Appropriate notification sign must be erected at all sites affected by this amendment warning the public (residents, visitors etc.) about the hazards that March occur.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
d)	If any soil contamination is noted at any phase of the proposed activity(ies), the contaminated soil must be removed to a licenced waste disposal facility and the site must be rehabilitated to the satisfaction of the Department and Department of Water and Sanitation.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
8.2.1.5. Access Roads and Traffic Impacts			
a)	Necessary signage and traffic measures must be implemented for safety of other road users regarding the diversion of the main roads (if applicable).	C	During the site inspection, access via the Mafube Colliery's access gate was confirmed and roads were in good condition with signage indicating the speed limit.
b)	Necessary signage and traffic measures must be implemented for safe and convenient access to the site from adjacent roads.	C	During the site inspection, access via the Mafube Colliery's access gate was confirmed and roads were in good condition with signage indicating the speed limit.

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
c)	Access roads must be well maintained throughout the mining operation.	C	During the site inspection, access and haul roads were in good condition. No concerns were observed.
8.2.1.6. Air Quality Management			
a)	Proper measures must be put in place to suppress dust in order to minimize nuisance conditions.	C	Mafube Colliery: Nooitgedacht uses water bowsers for dust suppression. Mafube Colliery conducts monthly dust fallout monitoring in accordance with the "Ambient Air Quality Monitoring Procedure" (Doc No. MFB_MN_003.3.3.3 dated 30 September 2021) and dust fall out monitoring is undertaken at 15 sampling points. The summary of the results of the Dust Fallout Monitoring was provided for the audit period (June 2024 - May 2025) in a document titled "Air Quality Trend 2024 - NGT". No concerns were recorded in the Dust Fallout Reports. Generally, the colliery compliance with dust suppression.
b)	A speed restriction of 40km/h must be enforced and monitored on site for all mine vehicles.	C	During the site inspection, the speed limit was observed on the internal access roads indicating a speed limit of 40 km/h.
8.2.1.7. Noise			
a)	Activities must be limited to normal hours.	C	Mafube Colliery: Nooitgedacht operates within hours as approved by the Department.
b)	Mine vehicles must be fitted with standard silencers prior to beginning of construction.	C	All mine vehicles are fitted with Original Equipment Manufacture standard silencers.
8.2.1.8. Erosion Control Measures			
a)	All soil surfaces compacted as a result of the navigation life extension project activities must be ripped, and imported materials must be removed.	C	Soil and vegetation is managed in accordance with the " <i>Final Rehabilitation, Decommissioning and Mine Closure Plan</i> " (Doc No. Ref: THU-COA-21-11-24, dated 28 November 2022) compiled by Shangoni Management Services, and the " <i>Annual Rehabilitation Plan (Part C)</i> " (January 2023 - December 2023) at Mafube Colliery: Nooitgedacht and Wildfontein. These reports provided guidelines on soil preparation techniques and revegetation, including the recommended seed mix.
b)	Any erosion channel developed must be restored to a proper condition.	T/N	The condition is noted and accepted by Mafube Colliery.
8.2.1.10. Waste Management			
a)	General waste must be kept in containers which are wind and scavenger proof, and disposed of at a permitted landfill site.	NC	During the site inspection, the following concerns were noted regarding Waste Management: - At the Workshop Offices, waste bins were overfilled and not scavenger proof.

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
b)	No waste must be disposed of through burying and burning.	C	During the site inspection, no concerns regarding burying or burning of waste was observed.
c)	All hazardous waste must be disposed of at an official registered site, or be removed by registered hazardous waste contractors.	C	The waste disposal certificates and landfill registration certificates were available for verification.
d)	An emergency preparedness plan to address any pollution incidents (i.e. such as oil spillage etc.) that occur on site must be developed (along the dragline walk route).	C	The " <i>Emergency Preparedness Response Procedure</i> " (Doc No. MAFJV000058 dated 30 September 2021) was provided during the audit. The procedure requires that relevant staff be trained on the procedure.
8.2.1.12. Surface and Groundwater Contamination must be Prevented and/or Mitigated by Implementation of the following Conditions			
a)	Irrespective of the nature of a spillage (whether major or minor), all spillages must be cleaned up as soon as they occur.	C	<p>Hazardous chemicals at Mafube Colliery is managed in accordance with the "Handling and Storage of Hazardous Materials Procedure" (Doc No. MFB_OP_003.2.2.11 dated 30 September 2021) and management of spills is as per " Chemical Spill Cleanup Procedure" (Doc. No. MFB_OP_003.2.2.12 dated 30 September 2021). These procedures provide direction for the storage, handling, clean up, removal and appropriate disposal of maintenance waste as well as the responsibilities.</p> <p>Spillages are logged onto, and managed though Mafube Colliery's ENABLON System in accordance with the "Incident Management Procedure" (Doc No. MAFJV000059, dated 30 September 2021). The ENABLON System includes corrective and preventative actions, responsible persons and target dates. The auditors were provided with a list of incidents recorded on Mafube Colliery's EnablON System and no reportable incidents (no medium or major incidents) were recorded during the audit period (June 2024 - May 2025).</p>
8.2.1.13. Fire Prevention and Management			
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.	C	During the inspection, fire extinguishers were observed at different areas within the mining area. Also the fire extinguishers were signed for monthly inspections.
b)	Open fires must strictly be prohibited.	C	Mafube Colliery: Nooitgedacht implements best practice as verified in induction training material. In addition. No open fires were observed during the audit and the incident register did not note any.
c)	Smoking must be prohibited in the vicinity of flammable substances.	C	Mafube Colliery: Nooitgedacht has designated smoking areas which are communicated during site induction as well as signage and facilities at smoking areas. During the site inspection, smoking was only observed within the designated smoking areas.

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
8.2.1.15. Safety			
a)	An Emergency Response Plan should be available for accidental spills and firefighting during both construction and operation of the project.	C	<p>The "<i>Emergency Preparedness Response Procedure</i>" (Doc No. MAFJV000058 dated 30 September 2021) was provided during the audit. The procedure requires that relevant staff be trained on the procedure.</p> <p>Spills are managed in accordance with the "<i>Chemical Spill Cleanup Procedure</i>" (Doc. No. MFB_OP_003.2.2.12 dated 30 September 2021). This procedure provides direction for the clean-up, removal and appropriate disposal of maintenance waste as well as the responsibilities.</p>
8.2.1.18. Compliance with other Legislation			
a)	The National Environment Management Act, 1998 (Act 107 of 1998), with particular reference to the principle in chapter 2 of the said Act.	T/N	The condition is noted and accepted by Mafube Colliery.
b)	The National Water Act, 1998 (Act 36 of 1998), with particular reference to the sections pertaining to any activity in the proximity of dams and catchments areas, rivers, marshes, streams, pans and other water courses.	T/N	The condition is noted and accepted by Mafube Colliery.
c)	The assurance of this authorization does not exempt the licence holder from compliance with any other legislation including Section 40 of the National Water Act, 1998 (Act 36 of 1998)	T/N	The condition is noted and accepted by Mafube Colliery.
d)	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 mining related activities (stockpile), into the atmosphere.	T/N	The condition is noted and accepted by Mafube Colliery.
e)	The Conservation of Agriculture Resources Act, 1983 (Act 43 of 1983), with particular references to the sections pertaining to soil conservation.	T/N	The condition is noted and accepted by Mafube Colliery.
f)	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.	T/N	The condition is noted and accepted by Mafube Colliery.

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
g)	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 100m from structures (silos), that must be protected; as well as those sections pertaining to rehabilitation of the surface.	T/N	The condition is noted and accepted by Mafube Colliery.
i)	The National Environmental Management: Waste Act (Act No. 59 of 2008).	T/N	The condition is noted and accepted by Mafube Colliery.
8.2.1.19. Liability of the holder of this Authorisation			
a)	The competent authority shall not be held responsible for any damages or loses suffered by the holder or his/her successor in title in any instance where reclamation/construction or operation subsequent to the operation being temporarily or permanently stopped for reasons of non-compliance by the holder with conditions of approval as set out in the document or any other subsequent emanating from this Authorisation. The holder shall be responsible from all the costs necessary to comply with the above condition unless otherwise specified.	T/N	The condition is noted and accepted by Mafube Colliery: Nooitgedacht.
8.2.2. Management of the Activity			
a)	A copy of an EA, Regulation 32 report and all other reports associated with this application 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 documents during the life of the mine.	C	The Environmental Department provides on-site access to the Environmental Authorisation (EA), Regulation 32 report (EMPR and EA amendment report), and Water Use License for authorized activities.
b)	All duties and responsibilities as outlined in the EA are binding throughout the life of the mine.	T/N	The condition is noted and accepted by Mafube Colliery.
c)	Any proposed amendments to the regulation 32 report (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 and adhered to.	C	The DMRE approved the Regulation 32 report for amendments to the environmental authorisation in March 2020, allowing operations at Nooitgedacht and Wildfontein Mining to operate with EMPr.

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
8.2.3. Environmental Control Officer			
a)	An Environmental Control Officer must monitor and ensure compliance and correct implementation of all mitigation measures and provisions as stipulated in the regulation 32 report and this EA.	C	The ECO was appointed to monitor all phases of the EMPr and EA until the project is completed. The ECO conducts annual environmental audits, monitor activities monthly, and raise environmental awareness among workforce members to ensure continuous implementation of the EMP. The weekly and monthly ECO reports were made available for verification by the auditors.
b)	The Environmental Control Officer must also monitor the implementation of specific elements of the regulation 32 report and this EA.	C	The ECO was appointed and is currently implementing monitoring measures. The appointment of and the reports were made available for verification by the auditors.
c)	All duties and responsibilities as outlined in the regulation 32 report and this EA are biding throughout the life of project/mine.	C	The ECO was appointed and is currently implementing monitoring measures. The ECO reports were made available for verification by auditors.
8.2.4. Site Closure and Decommissioning			
a)	Invasive species must be eradicated and the area must be monitored for a period of 1 year after the completion of the walk.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
8.3. Monitoring			
a)	This Department reserves the right to monitor and audit the activity to ensure compliance with legislation and the conditions stipulated in the Authorisation.	T/N	The condition is noted and accepted by Mafube Colliery: Nooitgedacht.
b)	It is the holder of this Authorization's responsibility to ensure that an ongoing management and monitoring of the impacts of the activity on environment throughout the life of the mine is put into practice.	C	Mafube Colliery: Nooitgedacht implements the conditions of the EMPr. Additionally, Mafube Colliery appoints independent external service providers to conduct annual audits to verify compliance with the conditions of the relevant EA and EMPr and this is submitted to the Department. This report constitutes the external audit for the current audit period (June 2024 - May 2025) and the audit of the EMPr is provided herein.
c)	Water Monitoring Water related impacts and management measures must be implemented as per the initial granted EA.	C	Water is managed in accordance with the conditions of the EA, EMPr and WUL issued for the activities undertaken at the site. Additionally, Mafube Colliery appoints independent external service providers to conduct annual audits to verify compliance with the conditions of the relevant EA and EMPr and this is submitted to the Department. This report constitutes the external audit for the current audit period (June 2024 - May 2025) and the audit of the EMPr is provided herein.

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
8.4. RECORDING AND REPORTING TO THE DEPARTMENT			
8.4.1. Auditing			
8.4.1.1. Audit and inspections			
a)	The Responsible authority reserves the right to audit and / or inspect the site at any time and at such a frequency as the responsible authority, or to have the site audited or inspected.	T/N	The condition is noted and accepted by Mafube Colliery: Nooitgedacht.
b)	The License Holder must take any records or documentation available to the responsible authority upon request, as well as any other information the responsible authority	T/N	The condition is noted and accepted by Mafube Colliery: Nooitgedacht.
8.4.2. REPORTING			
8.4.2.1. Reporting of Incidents			
a)	The date in which the <i>audit was carried out (incident occurred)</i> .	C	<p>All environmental incidents that occur at are Mafube Colliery: Nooitgedacht are logged onto and managed though Mafube Colliery's ENABLON System in accordance with the "Incident Management Procedure" (Doc No. MAFJV000059, dated 30 September 2021). The ENABLON System includes corrective and preventative actions, responsible persons and target dates.</p> <p>The ENABLON System includes corrective and preventative actions, responsible persons and target dates. The auditors were provided with a list of incidents recorded on Mafube Colliery's Enablon System and no reportable incidents (no medium or major incidents) were recorded during the audit period (June 2024 - May 2025).</p>
b)	The outcome of the audit, in relation to the conditions stipulated regulation 32 report and the actions taken to mitigate environmental impacts on site		
c)	Records of monitoring and/or auditing must be made available for inspection to this Department and any other relevant authority inspecting the development activities.		
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 complaints received from the public.		
e)	All records relating to the implementation of the regulation 32 report must be kept in the office where it is safe and can be retrievable.		
8.5. NON-COMPLIANCE			
a)	The holder shall be responsible for all costs necessary to comply with the above conditions unless otherwise specified.	T/N	Mafube Colliery: Nooitgedacht presented a document detailing the costs associated with the implementation of measures to comply with the conditions during the audit.

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
b)	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 such offence may result in section 49(a) being enforced.	T/N	The condition is noted and accepted by Mafube Colliery: Nooitgedacht.
9. APPEAL OF AUTHORISATION			
<i>The holder of the Authorisation must notify registered interested and affected party, in writing and within fourteen (14) days, of receiving the Department's decision. The notification must-</i>			
a)	Specify the date on which the Authorisation was issued	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 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	The condition falls outside of the scope of the audit period (June 2024 - May 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	The condition falls outside of the scope of the audit period (June 2024 - May 2025).

TABLE 4. ENVIRONMENTAL MANAGEMENT PROGRAMME AMMENDMENT FOR MAFUBE COLLIERY NOOITGEDACHT AND WILDFONTEIN COAL RESERVE'S (NOVEMBER 2019) APPROVED BY THE DEPARTMENT OF MINERAL RESOURCES AND ENERGY (REF NO. MP 30/5/1/2/2/10026 MR APPROVED 03 JULY 2020)

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
A. CONSTRUCTION			
1.	AIR QUALITY		
1.1	Dust generation due to vehicle entrainment, land clearing, topsoil removal, blasting, material loading, hauling, stockpiling, grading, bulldozing and compaction.		
1.1.1	Wet suppression of dust on haul and dirt roads within the mine footprint.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
1.1.2	Early tarring of the mine owner access road.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
1.1.3	Restrict traffic to designated roads.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
1.1.4	Enforce 40 km/h speed limits within mining areas.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
1.1.5	Phasing of earthmoving activities to reduce source size and maintain vegetation cover for as long as possible;	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
1.1.6	Regular watering (with water trucks) to ensure effective dust suppression in areas where materials removal, placement or manipulation is occurring.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
1.1.7	Early vegetation and stabilization of idle stockpiles and berms.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
1.1.8	Minimise extent of open areas and frequency of disturbance.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
2.	TERRESTRIAL ECOLOGY		
2.1	Habitat Loss and degradation through vegetation clearance.		
2.1.1	Minimise necessary vegetation clearing and ecological disturbance by proper planning and demarcation.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
2.1.2	A suitably qualified botanist will conduct a thorough examination of all areas of natural vegetation within the mining and surface infrastructure boundary, before site establishment commences, and mark out threatened plants for relocation. The botanist should be familiar with the target threatened and protected species and the relevant habitats in which they May occur. The most appropriate time to conduct the examination would be when the plants are in flower. The following actions will be undertaken for any threatened/protected plants specimens found:	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
2.1.3	The locality of the specimens will be mapped and notes made on the microenvironment in which the specimen is located.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
2.1.4	A co-ordinate reading of the site will be taken using a Global Positioning System (GPS) so that the site can be found at a later stage if necessary.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
2.1.5	The Botanist must apply for all the necessary permits to relocate species before relocation can commence.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
2.1.6	After the necessary permit have been obtained, the plants can be removed and transplanted in designated areas	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
2.1.7	Limit height of topsoil stockpiles to 4 metres to prevent compaction and sterilisation of seedbeds; and	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
2.1.8	Revegetate disturbed areas where construction activities have ceased.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
2.2	Habitat fragmentation.		
2.2.1	Where possible, route linear infrastructure through already disturbed areas and across narrowest parts of wetlands and other sensitive areas.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
2.2.2	When crossing wetlands and watercourses, raise infrastructure above ground level and minimise footprint of foundation structures to comply with all measures in the IWULA.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
2.2.3	Provide culverts under roads to assist Faunal mobility.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
2.3.	Increases in exotic and/or declared invader species of flora and fauna		
2.3.1	Avoid unnecessary ground clearing, which promotes colonisation.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
2.3.2	Identify stands of invader species within the mine footprint;	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
2.3.3	Develop, implement and monitor an exotic/invaser species control programme;	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
2.4.	Loss of species of conservation importance.		
2.4.1	An active list with a key (identification pictures) of the latest threatened Red Data flora species expected to occur in the active mining area, is to be compiled, reviewed and regularly updated in order to assist the ECO with the task of monitoring the area for possible threatened Red Data flora species which were not observed/ recorded during the latest ecological assessment undertaken for the project.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
2.4.2	If threatened red data species are recorded during future monitoring activities, a vegetation specialist to be consulted to assess the best approach to deal with the observed species, possibly by relocation if required.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
2.4.3	Enforce 40 km/h speed limits within mining areas.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
2.4.4	Strict prohibition of trapping, poaching, poisoning and killing of on-site fauna.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
2.4.5	Communicate rules regarding protection of fauna to all Mafube employees and contractors.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
2.4.6	Where possible remove traps from game trails.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
3.	AQUATIC ECOLOGY		
3.1.	Pollution of surface water; and Reduced flow and siltation of water bodies would reduce quality of aquatic habitat and reduce ecosystem functionality.		
3.1.1	All construction roads and supporting infrastructure in or adjacent to the riparian zone shall be minimized where appropriate.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
3.1.2	Comply with the requirements of the IWULA at all times.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
3.1.3	And, if required, shall be aligned and managed so as to minimize disturbance and to ensure uninterrupted flow above and below infrastructure which crosses the riparian zone and in-stream habitats.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
3.1.4	Erosion control and protection measures installed as part of the construction of the project will be adapted for the specific area and situation should signs of erosion appear;	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
3.1.5	Rehabilitate eroded areas as soon as possible.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
3.1.6	Where possible, use existing access roads to the proposed mining areas;	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
3.1.7	Place spoil heaps and overburden in areas where erosion and sedimentation of water courses will be minimised.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
4.	WETLAND ECOLOGY		
4.1.	Pollution of water of wetlands, siltation and reduction in flow would reduce quality of habitat and would reduce wetland functionality.		
4.1.1	Schedule construction work to take place in dry season where possible;	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
4.1.2	Prevent polluted water from entering the wetland ecosystems by implementing the dirty and clean water separation berms before the start of construction.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
4.1.3	All non-mining wastes will be stored away from wetland and pan areas and drainage lines feeding into them, and disposed of off-site and as required by legislation.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
4.1.4	All vehicle and storage yards/lay down areas will be sited away from wetlands and pans and drainage lines feeding into them, unless being provided for in the IWULA.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
4.1.5	Equipment will be properly maintained to prevent oils and fuels from accidentally entering the aquatic ecosystems.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
4.1.6	Prohibit water uses associated with wetlands other than those permitted in the WULA without the necessary authorisations/ amendments being in place.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
5.	GEOCHEMISTRY		
5.1.	Acid generation at overburden dumps and box cuts.		
5.1.1	Confirmatory monitoring of ARD development at overburden dumps from the first box cuts will be done for two years where after the monitoring programme will be revised as part of the ARD management plan.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
	This monitoring will include:	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
5.1.1	Sampling of the key lithologies to determine ARD risk and availability of excess neutralising potential for ARD risk reduction.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
5.1.2	Analysis of samples for standard Acid Base Accounting.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
5.1.3	Databasing of results, preferably in the geological model.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
5.1.4	Water quality monitoring (in addition to standard pit water quality and water reticulation monitoring) of seepage from spoils area, significant groundwater inflows and standing pit water.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
5.1.5	The above monitoring data is critical to update the pit salt balance and future geochemical modelling work (long term post closure) predictions.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
6.	HERITAGE		
6.1.	<i>Damage to or destruction historical farmsteads, rural dwellings, grave yards or items of archaeological importance.</i>		
6.1.1	No historical structure will be demolished without authorisation from SAHRA has been obtained and after an investigation by an appropriately qualified historical architect or ethnographer has been completed.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
6.1.2	No grave will be relocated without having followed the regulated procedures under the guidance of a qualified forensic archaeologist or reputable undertaker;	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
6.1.3	Graves that do not require relocation will be fenced off, with safe and controlled access for any relatives or friends who wish to visit the deceased; and	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
6.1.4	If any potential heritage resources or human remains are unearthed during construction, the site will be demarcated and access restricted. An archaeologist will then be commissioned to visit the site in and advise on further steps to be taken.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
7.	NOISE		
7.1.	<i>Irritation, sleep interference and potential health impacts.</i>		
7.1.1	Engage with potentially sensitive receptors, keep them informed and keep a complaints register;	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
7.1.2	Where necessary, undertake noise measurements at complainants' locations;	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
7.1.3	Implement and maintain noise abatement equipment on construction machinery;	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
7.1.4	Where practicable, construct earthen berms between noisy activities and sensitive receptors;	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
7.1.5	Machines in intermittent use will be shut down in the intervening periods between work or throttled down to a minimum;	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
7.1.6	In general, operations must meet the noise standard requirements of the Occupational Health and Safety Act (Act No 85 of 1993) and.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
7.1.7	Construction staff working in areas where the 8-hour ambient noise levels exceed 75dBA will be required to wear ear protection equipment.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
8.	Soils, land use and land capability		
8.1.	Within the footprint of the construction areas soil horizon sequences will be disturbed, the soil surface will be covered completely and current land use will cease.		
8.1.1	Strip and store topsoil from the construction footprint in stockpiles no more than 4 m in height, to avoid compaction.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
8.1.2	Topsoil and subsoil stockpiles should preferably be placed in a free draining location to minimize soil erosion and possible water logging.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
8.1.3	Soil stockpiles should be at least 100 m away from active/future mining areas to minimize contamination from fly rock.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
8.1.4	If storage is to exceed 6 months, vegetate stockpile.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
8.1.5	The slopes of soil stockpiles must be kept to a minimum and the maximum slopes must be 1:3 in an effort to minimize soil erosion and run off.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
8.1.6	All alien plant species must be removed from topsoil stockpiles as soon as practically possible to prevent possible infestation and build-up of alien plant species seed bank.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
8.1.7	All soil stockpiles must be surveyed to get the location of stockpile, height of stockpile (m) and the volume of topsoil (M3).	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
8.1.8	No traffic/ vehicles / machinery is allowed on the soil stockpiles, except when they are being created and when topsoil is being replaced on rehabilitated land.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
8.1.9	Topsoil should only be used for its intended purposes (rehabilitation or berms) and not for mining activities (e.g. road, etc.)	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
8.1.10	The operations must have a topsoil balance.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
8.1.11	Topsoil and EMPR land capability reconciliation must be done annually to ensure that commitments are going to be met.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
9.	SOCIO-ECONOMIC		
9.1	Physical and economic displacement; Comprehensive engagement and consultation with all affected local residents.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
9.2	Loss of livelihood; Comply with the IFC performance standards in respect of any community relocations required as a result of mining activities.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
9.3	Influx of job seekers into project area; Comply with Extension of Security of Tenure Act (No. 62 of 1997) and the Land Reform (Labour Tenants) Act, 1996 [No. 3 of 1996] and explain consequences of legislation to farm workers and tenants.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
9.4	Safety and security risks; and Continual and clear communicating with I&APs about the fact that this project offers very limited permanent employment opportunities.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
9.5	Work for contractors and injection of cash into local economy. Mafube will update and implement their existing HSEC policy and emergency evacuation plan for employees and communities at the Nooitgedacht and Wildfontein operation in order to reduce potential safety and security risks.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
10.	SURFACE WATER		
10.1	Construct storm water management system and transfer dams before commencement of mining in accordance with the WUL.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
10.2	Use impounded water for dust suppression on site and along the conveyor route.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
10.3	Impounded water must be treated and released back into the Springbokspruit system at points to be defined in the WULA. Water qualities must meet the IWULA objectives before release can take place; and	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
10.4	The protocols that will be applied while constructing the crossings will be developed and documented prior to construction and will address, excavation, handling excavated Material and extent of excavations.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
10.5	Engineering designs for the road and conveyor crossings must accommodate the 50 year flood peak without overtopping. The appropriate erosion protection will be provided upstream and downstream of the crossing to limit the erosion impacts of the crossing.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
10.6	During the rainy season, inspections must be done to investigate the forming of any erosion channels or rills within the mine footprint;	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
10.7	Erosion channels and rills must be repaired without delay.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
10.8	Mix concrete and plaster in proper equipment, batching plant or mortar boards within the construction area to prevent the silting up of streams. No construction allowed without the appropriate clean and dirty water separation system in place.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
10.9	Impound water used to clean cement mixing equipment in the pollution control dam, do not discharge to the river system.	N/A	The condition falls outside of the scope of the audit period (June 2024 - May 2025).
B. OPERATIONAL PHASE			
1. AIR QUALITY			
1.1	Continual dust generation due to blasting, material loading and hauling, vehicle entrainment, land clearing, topsoil removal, stockpiling, grading, bulldozing and compaction.		
1.1.1	Air quality monitoring on-site and at sensitive receptors to be conducted as per the requirements of the approved Mafube Monitoring Programme.	C	Mafube Colliery: Nooitgedacht uses water bowsers for dust suppression. Mafube Colliery conducts monthly dust fallout monitoring in accordance with the "Ambient Air Quality Monitoring Procedure" (Doc No. MFB_MN_003.3.3.3 dated 30 September 2021) and dust fall out monitoring is undertaken at 15 sampling points. The summary of the results of the Dust Fallout Monitoring was provided for the audit period (June 2024 - May 2025) in a document titled "Air Quality Trend 2024 - NGT". The dust results indicate that the dust fallout is within the limits.
1.1.2	Wet suppression or chemical suppression (using Dust-a-side) of dust on haul and dirt roads within the mine footprint.	C	Mafube Colliery: Nooitgedacht uses water bowsers for dust suppression and this was observed during the site inspection.

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
1.1.3	Early paving of mine owned permanent roads.	N/A	Paving of mine owned permanent roads has been undertaken. Only non-permanent roads are not paved.
1.1.4	Restrict traffic to designated roads.	C	During the site inspection vehicles were observed to only make use of the designated roads.
1.1.5	Enforce 40 km/h speed limits within mining areas.	C	During the site inspection, the speed limit was observed on the internal access roads indicating a speed limit of 40 km/h.
1.1.6	Early vegetation, stabilization of stockpiles and disturbed soil .	C	During the site inspection, topsoil stockpiles were noted to not having excessive erosion. Mafube is undertaking a direct topsoil placement as part of concurrent rehabilitation strategy.
1.1.7	Minimise extent of open areas and frequency of disturbance.	C	During the site inspection, no disturbances outside of the authorised footprint were observed.
2. AQUATIC AND WETLAND ECOLOGY			
2.1	Confine mining of wetlands to those areas that are indicated on the mining plans that have been approved by the DMR and which have been approved in the WULA.	C	Mafube Colliery Nooitgedacht reported that mining of wetlands are in accordance with the mining right. All mined wetlands activities are approved.
2.2	Store all oils/lubricants and hazardous chemicals in specified, bunded areas, specifically designed for the task.	C	Hazardous chemicals at Mafube Colliery is managed in accordance with the "Handling and Storage of Hazardous Materials Procedure" (Doc No. MFB_OP_003.2.2.11 dated 30 September 2021) and management of spills is as per " Chemical Spill Cleanup Procedure" (Doc. No. MFB_OP_003.2.2.12 dated 30 September 2021). These procedures provide direction for the storage, handling, clean up, removal and appropriate disposal of maintenance waste as well as the responsibilities. No concerns were registered in respect of the storage of oils/lubricants or hazardous chemicals during our site inspection.
2.3	All vehicle and machinery maintenance will take place at designated maintenance areas. Drip trays will be placed under vehicles that have broken down in the field.	C	Vehicles and other machinery are serviced at the LDV workshop ,Pit Engineering workshop and ANDRU Mining workshop and no servicing is allowed outside designated areas. Drip trays are available for field breakdowns.
2.4	Back-filled areas will be re-vegetated as soon as possible to minimise erosion by runoff.	C	Concurrent rehabilitation undertaken by the mine.

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
2.5	All contaminated water (including ground and surface water from mine operational areas) will be treated to an approved standard before being released into the environment.	T/N	The condition is noted and accepted by Mafube Colliery: Nooitgedacht.
2.6	An exotic species eradication and control programme will be maintained throughout the operational phase of the project.	NC	<p>Alien and Invasive species are managed in accordance with the plan set out in "AIS monitoring surveys for Nooitgedacht, Springboklaagte, Wildfontein Portion 1 & Wildfontein Portion 12" (Doc No. 251-2024-R3 dated May 2024), compiled by Sibbs Alluring. The AIS Plan provides details of mapping, monitoring surveys and control of alien and invasive species.</p> <p>However, during the site inspection, AIPs were observed within the vegetation of the rehabilitated areas. AIPs were also observed at the topsoil stockpiles which will be used in rehabilitation, which will exacerbate the spread of the AIPs during rehabilitation</p>
2.7	Conduct daily inspections of process water pipelines to prevent contaminated water from entering wetlands and pans due to spillage.	C	Auditors were informed that the Mafube Colliery's dewatering team conduct daily inspections of the process water pipeline. Daily work orders for the month of December 2024 were checked and found to be in order.
2.8	Revegetate all areas that have been disturbed by mining activities as soon as possible.	C	The "Final Rehabilitation, Decommissioning and Mine Closure Plan" (Doc No. Ref: THU-COA-21-11-24, dated 28 November 2022), compiled by Shangoni Management Services, and the "Annual Rehabilitation Plan (Part C)" (January 2023 - December 2023) was availed to the auditors. The reports provide guidelines on soil preparation techniques and revegetation, including the erosion prevention. These reports are duly implemented by Mafube Colliery.
2.9	Wetland buffering and management of agricultural lands; A buffer of 100 metres must be incorporated around the wetlands, and cultivation be withdrawn from the buffer area to allow natural vegetation to become reinstated.	C	A buffer of more than 100 meters has been incorporated around wetlands and there is no cultivation on any of the buffer areas.
2.10	Burning and Grazing Management		
2.10.1	In areas where erosion is severe or proposed structures such as gabions are installed, the wetland and its buffer should be fenced off to control access by cattle.	T/N	The condition is noted and accepted by Mafube Colliery: Nooitgedacht.

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
2.10.2	A grazing management plan must be put in place.	T/N	Mafube Colliery reported that animal grazing is not undertaken at the mining or rehabilitation areas. This condition may however, become applicable after the site closure when land use is reinstated.
2.10.3	Ideally Wetlands should only be grazed in autumn, although some parts of each system should be left un-grazed to provide refugia for wetland fauna.	T/N	Mafube Colliery reported that animal grazing is not undertaken at the mining or rehabilitation areas. This condition may however, become applicable after the site closure when land use is reinstated.
2.10.4	Water points may be established at certain points in the wetland systems that are specifically modified to be able to withstand the disturbance from cattle.	T/N	Mafube Colliery reported that water points are not yet in the wetland areas. This condition will however, become applicable during rehabilitation of the wetlands.
2.10.5	In wetlands where, natural fires are controlled or prevented, the wetlands should be burned periodically (every 4 to 5 years) and such action will require the compilation and implementation of a fire management plan.	C	Fire prevention is managed in accordance with the " <i>Mandatory Code of Practice for the Prevention of Fires at Mines</i> " (Doc No, MAFJV000172 dated 3 August 2018) No veld fires occurred and condition is not applicable for the audit scope/period as NTC Group (Pty) Ltd was appointed as the independent external auditor for the June 2022 – June 2023. The auditors were also provided with a copy of the " <i>Mafube NGDT - Firebreak Plan 2019</i> ". Wetlands are burned periodically.
2.10.6	Care should be taken to burn at times outside the nesting periods for important wetland bird species.	T/N	The condition is noted and accepted by Mafube Colliery: Nooitgedacht.
2.10.7	A full post-rehabilitation management plan should be established to ensure that the management of the area is compatible with achieving the restoration objectives of the project.	T/N	The condition is noted and accepted by Mafube Colliery: Nooitgedacht.
2.11	<i>Management of Alien Vegetation</i>		
2.11.1	Stands of alien vegetation, which comprise of species fitting Category 1 and Category 2, must be removed (GNR 280). Stands of species fitting Category 3, if within 30 metres of a 1:50 year flood line of river, stream etc. must also be removed (GNR 280). Other, noncategorized species should ideally be removed.	NC	<p>Alien and Invasive species are managed in accordance with the plan set out in "<i>AIS monitoring surveys for Nooitgedacht, Springboklaagte, Wildfontein Portion 1 & Wildfontein Portion 12</i>" (Doc No. 251-2024-R3 dated May 2024), compiled by Sibbs Alluring. The AIS Plan provides details of mapping, monitoring surveys and control of alien and invasive species.</p> <p>However, during the site inspection, AIPs were observed within the vegetation of the rehabilitated areas. AIPs were also observed at the topsoil stockpiles which will be used in rehabilitation, which will exacerbate the spread of the AIPs during rehabilitation.</p>

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
2.11.2	Alien vegetation removal should begin in the upper ends of the catchments to ensure that reseedling of cleared areas does not take place from the upstream seed bank. Cleared areas may need to be re-vegetated to stabilise the soil if natural revegetation with indigenous species does not take place.	NC	During the site inspection, AIPs were observed within the vegetation of the rehabilitated areas. AIPs were also observed at the topsoil stockpiles which will be used in rehabilitation, which will exacerbate the spread of the AIPs during rehabilitation. There is no active alien vegetation removal programme in place.
2.11.3	An alien vegetation management plan will be required to guide the removal of alien species in terms of the objectives and methodology followed. At present, alien species management and eradication forms part of the existing Mafube Biodiversity Action Plan in which the objective is to maintain the Mafube Mining Rights Area free of alien species. Broad guidelines are set out in this document with regard to alien species removal and the monitoring schedule to be applied.	C	An alien vegetation management, "AIS monitoring surveys for Nooitgedacht, Springboklaagte, Wildfontein Portion 1 & Wildfontein Portion 12" (Doc No. 251-2024-R3 dated May 2024), compiled by Sibbs Alluring is in place.
2.12	Management and Monitoring of Important Biota:		
2.12.1	No threatened flora should be collected or harvested.	T/N	The condition is noted and accepted by Mafube Colliery: Nooitgedacht.
2.12.2	No threatened fauna should be hunted.	T/N	The condition is noted and accepted by Mafube Colliery: Nooitgedacht.
2.12.3	Where endangered animal species occur in the wetland, records should ideally be kept of sightings in order to help establish whether or not wetland management practices and rehabilitation efforts are having a positive impact on these species.	T/N	The condition is noted and accepted by Mafube Colliery: Nooitgedacht.
2.12.4	The local district conservation officer should be contacted to obtain further information on monitoring of important species.	C	The local officers from Mpumalanga Tourism and Parks Board were contacted to obtain information on monitoring of important species. This process was undertaken when the colliery was conducting this application. The MTPB was contacted and engaged as part of the Public Participation Process for comments. The overarching process included the DAEDLEA as per the BMP submitted.
3. GEOCHEMISTRY			
3.1	Annual ABA testing of spoils samples to identify materials that can be placed selectively to reduce ARD risks.	C	The <i>Mafube Colliery - Groundwater Model Update</i> , compiled by Delta H Water Systems Modelling was available to the auditors and provided Acid Base Accounting results for the backfilled and rehabilitated Wildfontein. The tested Wildfontein spoils samples were classified as non-acid generating.

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
3.2	The programme will include kinetic testing to establish likely rates of sulphide oxidation and a modelling programme to refine the first-order drainage quality predictions.	C	The Mafube Colliery - Groundwater Model Update, compiled by Delta H Water Systems Modelling was availed to the auditors and provided Acid Base Accounting results for the backfilled and rehabilitated Wildfontein. The tested Wildfontein spoils samples indicated the prevalence of sulphate instead of sulphide sulphur suggests that the spoils samples have already materialised their acid potential in the past, with remnant acidity present as indicated by the low paste pH values.
3.3	Monitoring programme to establish spoils drainage and runoff quality during the life of mine.	C	The Mafube Colliery - Groundwater Model Update, compiled by Delta H Water Systems Modelling was availed to the auditors and provided leachable concentrations and runoff quality of spoil material at Mafube Colliery: Nooitgedacht.
3.4	The results will be used to validate the drainage quality modelling.	C	Drainage quality modelling was verified in the Mafube Colliery - Groundwater Model Update, compiled by Delta H Water Systems Modelling.
3.5	A database of results will be established to provide a drainage quality history that can be used to assess likely post closure conditions and drainage quality.	C	Drainage water quality historical data was verified in the Mafube Colliery - Groundwater Model Update, compiled by Delta H Water Systems Modelling.
3.6	Field kinetic test programme including the installation of lysimeters to assess moisture content of spoil, runoff and infiltration factors, and drainage quality for inclusion in the monitoring database.	C	Kinetic testing on spoils assesses acid generation potential, runoff, infiltration factors, and drainage quality during mining operations is conducted as part of the annual groundwater model update.
3.7	Refine the ABA block model to include geochemical characterisation of the 4 Seam carbonaceous materials.	C	The Mafube Colliery - Groundwater Model Update, compiled by Delta H Water Systems Modelling provided Acid Base Accounting results for the 4 Seam carbonaceous materials.
3.8	Use the block model to identify areas of the coal resource where high acid drainage potential material is present.	C	The Mafube Colliery - Groundwater Model Update, compiled by Delta H Water Systems Modelling includes the areas of potential acid drainage.
3.9	Rehabilitated areas must be a free draining topography to minimise moisture infiltration.	C	The " <i>Final Rehabilitation, Decommissioning and Mine Closure Plan</i> " (Doc No. Ref: THU-COA-21-11-24, dated 28 November 2022), compiled by Shangoni Management Services, provides guidelines for profiling, soil preparation and revegetation, including the erosion prevention. Rehabilitation is undertaken concurrently.
3.10	Establish vegetation to act as evapotranspiration cover.	C	The " <i>Final Rehabilitation, Decommissioning and Mine Closure Plan</i> " (Doc No. Ref: THU-COA-21-11-24, dated 28 November 2022), compiled by Shangoni Management Services, and the " <i>Annual Rehabilitation Plan (Part C)</i> " (January 2023 - December 2023) was made availed to the auditors. The place suggests establishment of vegetation to act as evapotranspiration cover.

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
4. GROUNDWATER			
4.1	Update the groundwater model to assess impact on the groundwater levels if the mine schedule changes.	C	The Mafube Colliery - Groundwater Model Update, compiled by Delta H Water Systems Modelling provided details on current groundwater levels and historical changes.
4.2	A long term groundwater monitoring network will be established around the peripheries of the open cast pits.	C	Groundwater monitoring is conducted at mining operation sites in accordance with the WUL (04/B41A/ACFGIJ/2702) issued to the mine.
4.3	Monitor the water quality of the boreholes, springs, eyes and fountain source zones within the project area and mitigate immediately, should any contamination occur.	C	Monitoring of all water bodies - boreholes, springs, eyes and fountains is conducted , and should any contamination occur, the mine shall be in a position to mitigate the impact.
4.4	Sampling of seepage trenches, springs, eyes and fountain source zones and analyse for pH, EC, TSS and SO ₄ .	C	Sampling and analysis for pH, EC, TSS, SO ₄ of seepage trenches, , springs, eyes and fountains is conducted.
4.5	Sampling of boreholes and analyse for pH, EC, TSS and SO ₄ .	C	Sampling and analysis for pH, EC, TSS, SO ₄ of boreholes is conducted.
5. SURFACE WATER			
5.1	Ensure that the post mining topography is free draining post mining.	T/N	The " <i>Final Rehabilitation, Decommissioning and Mine Closure Plan</i> " (Doc No. Ref: THU-COA-21-11-24, dated 28 November 2022), compiled by Shangoni Management Services, provides guidelines for rehabilitating the opencast pit landscape to create a free draining landscape, with overland flow directing to the natural lowest point, ensuring free draining.
5.2	Sample pans and watercourses and analyse for pH, EC, TSS SO ₄ and assess if further action is required.	C	Sampling and analysis for pH, EC, TSS, SO ₄ of pans and water courses is conducted to assess the quality, and if any concerns to take necessary action.
5.3	Inspect storm water management and pollution control systems and carry out maintenance as necessary.	C	The trenches are maintained weekly (interview). A contractor is appointed to undertake the inspection and maintenance of the water management infrastructure.
5.4	Reshape and stabilise any bank that has been disturbed along a wetland ecosystem.	C	The " <i>Final Rehabilitation, Decommissioning and Mine Closure Plan</i> " (Doc No. Ref: THU-COA-21-11-24, dated 28 November 2022), compiled by Shangoni Management Services, provides guidelines for profiling, soil preparation and revegetation, including the erosion prevention. Rehabilitation is undertaken concurrently.
5.5	Monitor water quality and metals concentrations in the adjacent and downstream aquatic ecosystems.	C	The monitoring of water quality and metals concentrations in the adjacent and downstream aquatic ecosystems, is performed by an independent Biomonitoring Consultants, Digby Wells. Biomonitoring reports were presented , and the condition requirements are covered.

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
5.6	All top-soils, sub-soils, overburden and coal stockpiles will be sited away from wetlands and pans, and stored so as to prevent erosion, runoff and seepage into these systems, unless being provided for in the IWULA.	C	During the site inspection, no stockpiles were observed within the wetlands or pans, all top-soils and sub-soils, overburden were observed to be free of any erosion.
5.7	The construction of silt traps, runoff collection channels and storage dams will be undertaken in accordance with Regulation 704 and Mafube IWULA and IWWMP conditions.	C	During the inspection it was noted that the silt traps, runoff collection channels and storage dams were constructed and are being operated in accordance with Regulation 704 and IWWMP conditions.
5.8	The release of water (storm or treated water) must take place in a controlled manner so as to minimize incidence of erosion or drastic changes to water flow patterns and volumes in line with the WULA.	C	During the site inspection, no concerns were noted at any discharge or release points. Mafube Colliery makes use of attenuation structures.
5.9	Maintain and inspect the storm water management conduit systems and pollution control dam on regular basis to ensure compliance to the IWULA and IWWMP conditions.	C	Mafube Colliery's "Trenches, Silt Traps and/ or Oil Trap Clean-up and Maintenance Procedure" (Doc No. MFB_OP_003.2.2.09 dated 1 January 2021) requires the relevant Foreman to conduct monthly inspections of clean water trenches and also following heavy rainfall events. Inspection must include checking for accumulations/ blockages in trenches that impede flow.
5.10	Regular removal of debris and silt from the conduits to ensure adequate flow and from the control dam to maintain their design storage capacity.	C	Mafube Colliery's "Trenches, Silt Traps and/ or Oil Trap Clean-up and Maintenance Procedure" (Doc No. MFB_OP_003.2.2.09 dated 1 January 2021) requires the relevant Foreman to conduct monthly inspections of clean water trenches and also following a heavy rainfall events. Inspection must include checking for accumulations/ blockages in trenches that impede flow.
5.11	Design and construct pollution control dams to comply with the IWULA and IWWMP which will ensure adequate freeboard to accommodate water volumes during the wet season.	C	During the site inspection, pollution control dams were observed to be in compliance with WUL with adequate freeboard.
5.12	Construct a water treatment and sewage treatment facility prior to the start of construction to prevent the release of contaminated water to the environment.	C	The water treatment and sewage treatment plant was observed during the site inspection.
5.13	Detailed source-term characterisation study for high risk sources will be completed in accordance to Best Practice Guideline G4 - Impact Prediction (DWAF, 2008). The aim of the detailed source-term study will be to refine the seepage volumes and seepage quality estimated for the mine spoils. An understanding about attenuation and long-term behaviour of the source material will be developed.	C	The Mafube Colliery - Groundwater Model Update, compiled by Delta H Water Systems Modelling will be updated to include a chapter on the detailed source-term characterisation for high-risk sources (mine spoils) in accordance to Best Practice Guideline G4 - Impact Prediction (DWAF, 2008). It was reported that this could not be included at the time the report was issued due to delayed drilling of monitoring boreholes, the required time frame for kinetic testing, as well as the surface water balance in the process of being updated.

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
6. NOISE AND VIBRATION			
6.1	Equipment selection to ensure that noise level does not exceed 70dBA at the property boundaries of the mine, as specified for industrial districts in SANS 10103.	C	Mafube Colliery is implementing a Perform Surface VOHE Inspection Procedure, which includes noise monitoring and equipment inspection for VOHE-related inspections. The limits as stipulated in this condition are actually achieved.
6.2	Noise levels measured at 1 metre from the surface of each plant or item of equipment will not exceed 85dBA.	C	Mafube Colliery is implementing a Perform Surface VOHE Inspection Procedure, which includes noise monitoring and equipment inspection for VOHE-related inspections. The limits as stipulated in this condition are actually achieved.
6.3	Noise levels at external sites, especially at sensitive receptors, will be limited to the allowable levels specified in SANS 10103.	C	Mafube Colliery is implementing a Perform Surface VOHE Inspection Procedure, which includes noise monitoring and equipment inspection for VOHE-related inspections. The limits as stipulated in this condition are actually achieved.
6.4	Acoustic insulation of particularly noisy equipment will be done if necessary.	T/N	The condition is noted and accepted by Mafube Colliery: Nooitgedacht.
6.5	All noise generating equipment will be kept in good repair and inspected regularly to ensure that noise suppressing equipment is fully functional.	C	All noise generating equipment is kept in good repair and inspected regularly. This is the main function of the Mafube Colliery Engineering Department, and records of maintenance are maintained.
6.6	Complaints will be investigated without delay.	T/N	Mafube Colliery: Nooitgedacht did not receive any noise complaints during audit June 2024 - May 2025).
6.7	Noise measurements will be taken at individual sources, the mine perimeter and sensitive off-site receptors at the commencement of mining operations.	C	The monthly update report indicates that noise measurements were conducted during the commencement of mining activities, as per the Baseline Noise Impact Assessment.
6.8	Noise measurements will be repeated at sensitive receptors in response to complaints and complaints will be provided with appropriate feedback.	T/N	According to Mafube Colliery: Nooitgedacht, no noise complaints were received during the audit period (June 2024 - May 2025).
7. HERITAGE RESOURCES			

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
7.1	<p>Apply the following chance-find procedures, in the event that any buried resources (e.g. human remains, artefacts, etc.) are discovered during activities:</p> <ol style="list-style-type: none"> 1. Cease all work in the immediate vicinity of the discovered resource. 2. Demarcate the area with barrier tape or other highly visible demarcation. 3. Notify the South African Heritage Resources Authority (SAHRA) immediately. 4. Commission an archaeologist (accredited with the Association for Southern African Professional Archaeologists) to assess the discovered resource, and who shall determine appropriate mitigation measures. These may include obtaining the necessary authorisation from SAHRA to conduct the mitigation measures. 5. Prevent unqualified persons from accessing the discovered resource until the assessment and mitigation processes have been completed. 	T/N	<p>Mafube Colliery: Nooitgedacht has not unearthed heritage resources. However, human remains have been relocated as part of the grave relocation campaign and is detailed in the report "<i>Mafube Colliery: Grave Relocation Report</i>" (May 2022) compiled by Digby Wells, however, this was outside the audit period (June 2024 - May 2025). We were advised that Mafube Colliery will ensure compliance with this obligation in respect of any chance finds.</p>
8. SOCIO-ECONOMICS			
8.1	Comprehensive engagement and consultation with all affected local residents.	C	The Social Labour Department of Mafube Colliery: Nooitgedacht organises quarterly forum meetings with communities, with the last meeting's minutes available for review during the audit period.
8.2	Mafube will communicate continuation of existing employment and skills development programmes to existing employees and I&APs.	C	Mafube Colliery: Nooitgedacht discusses existing employment and skills development programmes at Community Forum Meetings.
8.3	Continual and clear communicating with I&APs about the fact that this project offers very limited permanent employment opportunities.	C	Mafube Colliery: Nooitgedacht discusses the status of permanent employment opportunities at Community Forum Meetings.
8.4	Mafube Coal will continue with its existing local economic development project.	C	The Social Labour Department of Mafube Colliery: Nooitgedacht organises quarterly forum meetings with communities, with the last meeting's minutes available for review during the audit period.
8.5	Set up communication channels, responsibilities and forums between the mine and surrounding public, industries and stakeholders. Maintain a community register where I&AP's can lodge queries or complaints.	C	The Social Labour Department of Mafube Colliery: Nooitgedacht organises quarterly forum meetings with communities, with the last meeting's minutes available for review during the audit period. <i>(WhatsApp groups, register at the gate, e-mail and landline)</i>

NO.	CONDITION	STATUS	AUDIT OBSERVATIONS (FINDINGS)
9. SOIL, LANDUSE AND LAND CAPABILITY			
9.1	Limiting the stockpile height to 3 metres and the slope to 1 in 3. All soil stockpiles, in whatever form they may be present, will be re-vegetated as soon as practically possible.	NC	During the site inspection, stockpiles do not appear to exceed the 1:3 ratio, while topsoil stockpiles for rehabilitation exceed specified height threshold.
9.2	Fertiliser and lime application rates will be determined by soil requirements based on soil analyses.	T/N	The condition is noted and accepted by Mafube Colliery: Nooitgedacht.
9.3	Stockpiles located near watercourses will be constructed with a maximum slope of 1:3 to prevent storm water erosion and subsequent silting of the watercourse.	T/N	The condition is noted and accepted by Mafube Colliery: Nooitgedacht. No stockpiles were observed to be located near watercourses.
9.4	Induced compaction should be reduced by limiting the access of vehicles onto rehabilitated land.	C	Vehicles adhere to demarcated areas. This was the observation during the site audit and was confirmed by the mine.

5. SUMMARY OF THE AUDIT FINDINGS

5.1. NON- COMPLIANCES

A total of three (3) non-compliances were identified in relation to compliance with the conditions of the Environmental Authorisations (EAs) and approved Environmental Management Programmes (EMPrs), as assessed in Section 4 of this report. This represents a 40% improvement in compliance when compared to the previous audit period, during which five (5) non-compliances were recorded. A summary of the non-compliances identified during the current audit period is provided in Table 5 below.

5.2. ACTIONS TO ADDRESS THE NON- COMPLIANCES

An Action Plan to address and rectify the non-compliances is included in Table 5.

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 Environmental Management Programme. Mafube Nooitgedacht 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 which can be affected within a short period if one considers the nature and extent of non-compliances.

TABLE 5. SUMMARY OF NON-COMPLIANCES AND ACTION PLAN

NC NO.	EA/ EMPR REF.	NON-COMPLIANCE DESCRIPTION	ACTIONS TO ADDRESS NON-COMPLIANCE	RESPONSIBLE PERSON/S	TARGET DATE
NC 001	EA (Ref. MP 30/5/1/2/3/2/1 (10026) EM of 03/07/2020). Condition 8.2.1.10 (a)	During the site inspection, the following concerns were noted regarding Waste Management: - At the Workshop Offices, waste bins were overfilled and not scavenger proof.	To implement scavenger-proof bins for general waste, as done with hazardous waste. Have the Mpangela Supervisor visit the sites for inspection and planning for the weekly collection of waste.	Jackie Hlomuka	30 December 2025
NC 002	EA (Ref. MP 30/5/1/2/3/2/1 (10026) EM of 03/07/2020). Condition 2.6 Condition 2.11.1 Condition 2.11.2	Alien and Invasive species are managed in accordance with the plan set out in " <i>AIS monitoring surveys for Nooitgedacht, Springboklaagte, Wildfontein Portion 1 & Wildfontein Portion 12</i> " (Doc No. 251-2024-R3 dated May 2024), compiled by Sibbs Alluring. The AIS Plan provides details of mapping, monitoring surveys and control of alien and invasive species. However, during the site inspection, AIPs were observed within the vegetation of the rehabilitated areas. AIPs were also observed at the topsoil stockpiles which will be used in rehabilitation, which will exacerbate the spread of the AIPs during rehabilitation	Once the scope of work is approved by the Biodiversity Specialist; complete the tender process and implement the Alien Invasive Species Plan (AISP) for 2026 season.	Ingrid Sithole	30 September 2026
NC 003	EMPR (Ref. MP 30/5/1/2/3/2/1 (10026) EM of 03/07/2020). Condition 9.1	During the site inspection, stockpiles do not appear to exceed the 1:3 ratio, while topsoil stockpiles for rehabilitation exceed specified height threshold.	Following the submitted 2019 amendment, the condition was not approved. Therefore, Mafube is to continue with concurrent rehab as specified in the rehabilitation commitments.	Evelyn Rachidi	Annually 30 December 2026

6. CONTINUAL IMPROVEMENT

The previous external environmental Performance Assessment was conducted in June 2024 by NTC Group (Pty) Ltd for the annual period June 2023 – May 2024. Findings from the previous annual Performance Assessment (2022 - 2023) have been adequately addressed and no repeat findings were noted.

7. CONCLUSION

The audit team concludes that Mafube Nooitgedacht largely complies with the conditions of the applicable Environmental Authorisation (EA) and approved Environmental Management Programmes (EMPrs) assessed within the scope of the external Environmental Performance Assessment for the period June 2024 - May 2025. Environmental management at Mafube Nooitgedacht is considered to be in a good state, with adequate procedures, systems, and records in place to effectively govern and manage site-related activities.

The mitigation and management measures prescribed in the EA and EMPrs are deemed appropriate and sufficient to avoid, manage, and mitigate the potential environmental impacts associated with the authorised activities, provided these measures are consistently implemented and maintained.

While certain non-compliances were identified during the audit, these are considered to be limited in nature and capable of being addressed within a short timeframe. Once the identified corrective actions are implemented, Mafube Nooitgedacht is expected to achieve full compliance with the conditions of its EA and EMPrs. The effectiveness of these corrective actions should be verified during the next external Environmental Performance Assessment, currently scheduled for 2026.

The audit team commends Mafube Nooitgedacht for its proactive approach to environmental management and continual improvement. The auditors further acknowledge and appreciate the cooperation and openness demonstrated by Mafube Colliery management and personnel throughout the assessment process.

8. REFERENCES

1. Environmental Authorisation (Ref. MP 30/5/1/2/3/2/1 (10026) EM) for the amendment of the approved EMPR to be aligned with the Water Use Licence, Construction of the Access Road Parallel to the Conveyor Belt for Mining Purpose only and the Infrastructure Plan.
2. Environmental Management Programme amendment for Mafube Colliery Nooitgedacht and Wildfontein Coal Reserves (November 2019) approved in the Environmental Authorisation (Ref. MP 30/5/1/2/2/1 (10026) MR).

APPENDIX A
AUDITOR DECLARATION

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: 15 DECEMBER 2025

ENVIRONMENTAL PRACTITIONER'S DECLARATION:

I, RAISIBE MABIZA, 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: 15 DECEMBER 2025

APPENDIX B
AUDITOR CURRICULUM VITAE



TEBOHO MOTINYANE

Company: NTC Group (Pty) Ltd

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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 _____



RAISIBE MABIZA

Company: NTC Group (Pty) Ltd

Environmental Consultant

Mobile: +27 72 679 3782

Email: 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