

Rustenburg Platinum Mines Limited: Mogalakwena Mine
Environmental Audit Report, 2025: Environmental Management
Programme and Environmental Authorisation

DMPR ref: LP 30/5/1/2/2/1 (50) MR

Location: Portion 0 of the farm Overysel 815 LR; Portion 0 of the farm Zwartfontein 818 LR; Portion 0, Remaining Extent of the farm Blinkwater 820 LR; Portion 0 of the farm Sandsloot 236 KR; Portion 0 of the farm Vaalkop 819 LR, Mogalakwena Local Municipality, Waterberg District Municipality, Limpopo Province

October 2025





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Prepared for:	Rustenburg Platinum Mines Limited: Mogalakwena Mine

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ABBREVIATIONS

Non-legislative

AAP	Anglo American Platinum
ASAP	As soon as possible
BECS	BECS Services (Pty) Ltd
CA	Competent authority
CMF	Community Management Forum
CSI	Corporate Social Investment
DMPR	Department of Mineral and Petroleum Resources
DMRE	Previous: Department of Mineral Resources and Energy
DMR	Previous: Department of Mineral Resources

DWS	Department of Water and Sanitation
EA	Environmental Authorisation
EAP	Environment Assessment Practitioner
EAPASA	Environmental Assessment Practitioners Association of South Africa
ECO	Environmental control officer
EIA	Environmental Impact Assessment
ELCA	Environmental Legal Compliance Audit
ELLS	Electric Leak Location Survey
EMP	Environmental Management Programme
EMPr	Environmental Management Programme Report
GCL	Geosynthetic Clay Liners
GM	Geo-membrane
HCS	Hazardous Chemical Substance
I&APs	interested and affected parties
IAIAsa	International Association for Impact Assessment
IDP	Integrated Development Plan
IEA	Integrated Environmental Authorisation
IWUL	Integrated Water Use License
LHRA	Limpopo Heritage Resources Agency
M3C	Mogalakwena Third Concentrator
MAR	Managed Aquifer Recharge
MLM	Mokopane Local Municipality
MM	Mogalakwena Mine
NICOLA	Network For Industrially Contaminated Land in Africa
PCD	Pollution Control Dam
PMF	Probable maximum flood
PPE	Personal Protective Equipment
RPM	Rustenburg Platinum Mines Limited
SACNASP	South African Council for Natural Scientific Professions
SAHRA	South African Heritage Resources Agency
SANS	South African National Standards
SIA	Social Impact Assessment
SLP	Social Labour Plan
SMME	Small, Medium, and Micro Enterprises
STP	Sewage Treatment Plant
SWMP	Stormwater Management Plan
TSF	Tailings Storage Facility
UP	University of Pretoria
UV	Ultraviolet
WRD	Waste Rock Dump
WUL	Water Use License
WULA	Water Use License Application

Legislative

EIA Regulations	Environmental Impact Assessment Regulations, GN 982 of 2014 (as amended) i.t.o NEMA
MPRDA	Mineral and Petroleum Resources Development Act no 28 of 2002
NEMA	National Environmental Management Act no 107 of 1998 (as amended)

LAYOUT OF DOCUMENT

Refer to

Table 1 below for a layout of this documents, taking into account the requirements as set out in Appendix 7 of the Environmental Impact Assessment (EIA) Regulations, GN 982 of 2014 (as amended) i.t.o the National Environmental Management Act, nr 107 of 1998 (as amended) (NEMA), as well as Section 5.1 of the Environmental authorisation (EA), where applicable. The layout of the document is only based on the operational Environmental Management Programme (EMP) and not on closure.

Table 1: Layout of document

Description	Section
Details of the independent person who prepared the environmental audit report; and the expertise of the independent person that compiled the environmental audit report; and a declaration that the independent auditor is independent in a form as may be specified by the CA ¹ .	1.2
An indication of the scope of, and purpose for which, the environmental audit report was prepared.	2.1 & 2.2
A description of the methodology adopted in preparing the environmental audit report.	2.3
An indication of the ability of the EMP to sufficiently provide for the avoidance, management and mitigation of environmental impacts associated with the undertaking of the activity on an ongoing basis. Identify shortcomings if applicable. Identify the need, if any, for any changes to the management, avoidance and mitigation measures provided for in the EMP. Identify and assess any new impacts and risks as a result of undertaking the activities, if	N/A
Ensure compliance with the provisions of EA, and EMP. Specification whether conditions of this EA and EMP/closure plan are adhered to. Where applicable, specify that the corrective action/s taken for the previous audit's non-conformities, was adequate.	3
A description of any assumptions made, and any uncertainties or gaps in knowledge.	2.4
A description of any consultation process that was undertaken during the course of carrying out the environmental audit report. A summary and copies of any comments that were received during any consultation process.	8
Any other information requested by the CA.	2.5

Table 2: Compliance to condition 5.1 of the Integrated Environmental Authorisations

Condition	Description	Section
5.1.1	Submit an Environmental Audit Report to this department biennially and such report must be done by qualified EAP ² and the audit report	This report serves as the 2025 report to be

¹ Competent Authority

² Environmental Assessment Practitioner

Condition	Description	Section
	must specify whether conditions of this environmental authorisation and EMP/closure plan are adhered to;	submitted to DMPR, section 1.2
5.1.2	identify and assess any new impacts and risks as a result of undertaking the activities, if applicable;	No new risks identified
5.1.3	identify shortcomings in the EMP/closure plan, if applicable;	3
5.1.4	identify the need, if any, for any changes to the management, avoidance and mitigation measures provided for in the EMP;	3
5.1.5	if applicable, specify that the corrective action/s taken for the previous audit's non-conformities, was adequate and must;	Action plans are included in compliance tables
5.1.6	Specify the name of the auditor and	1.2
5.1.7	be submitted by the holder to the competent authority within 30 days from the date on which the auditor finalised the audit.	It is envisaged that the holder will submit this report within the timeframe

EXECUTIVE SUMMARY

Rustenburg Platinum Mines Limited (RPM): Mogalakwena Mine (Expansion) appointed BECS to audit the EMP and EA covering the farms Portion 0 of the farm Overysel 815 LR; Portion 0 of the farm Zwartfontein 818 LR; Portion 0, Remaining Extent of the farm Blinkwater 820 LR; Portion 0 of the farm Sandsloot 236 KR; Portion 0 of the farm Vaalkop 819 LR with reference number LP 30/5/1/1/2/1 (50) MR.

Table 3: Environmental Management Programme Compliance summary for 2025

Compliance summary	2025
Overall conditions	531
Noted/Not applicable conditions	233
Amendment necessary	0
Unable to verify	4
Applicable conditions	294
Full compliance based on applicable conditions	234
Full compliance percentage based on applicable conditions	80%
Non-compliance based on applicable conditions	60
Non-compliance based percentage on applicable conditions	20%

Table 4: Environmental Authorisation Compliance summary for 2025

Compliance summary	2025
Overall conditions	116
Noted/Not applicable conditions	37
Amendment necessary	0
Unable to verify	0
Applicable conditions	79
Full compliance based on applicable conditions	76
Full compliance percentage based on applicable conditions	96%
Non-compliance based on applicable conditions	3
Non-compliance based percentage on applicable conditions	4%

SECTION 1: INTRODUCTION AND BACKGROUND OF THE MINE

1.1 Details of the mining right holder

Table 5: Description of the mining right holder

Project applicant	Rustenburg Platinum Mines Limited – Mogalakwena Mine (Expansion)
Contact person	Willie Theron
Designation	Executive Head Mining Operations
Telephone number	086 776 3656/086 555 0886
E-mail address	willie.theron@valterraplatinum.com

RPM owns and operates the Mogalakwena Mine, which is located near the town of Mokopane in the Mogalakwena Local Municipality within Limpopo Province.

The Department of Mineral and Petroleum Resources (DMPR) has issued the Mogalakwena Mine with an EA for the expansion of various activities in the mining area. This EA was issued on 13 August 2020 with the reference number LP 30/5/1/2/3/2/1 (050) EM.

Environmental Management Programme

RPM submitted an application for mining operation in 1996 for the Mogalakwena Mining Complex. The Mining Right was received, and the Environmental Management Programme Report (EMPr) was approved in November 1997 with reference number 6/2/2/160. Since the initial EMPr, there have been changes to the mining operation and addendums and amendments have been approved after the 1997 EMPr. Addendums for the Mine include:

- Overburden dump addendum, 2001;
- Tailings Storage Facility (TSF) Extension addendum, 2002;
- Zwartfontein South Mine expansion addendum, 2002;
- North Mine expansion addendum, 2003;
- Ore Stockpiles and TSF extension addendum, 2005;
- North Mine expansion amendment, 2006;
- North Mine expansion amendment, 2007.

Following these addendums, the EMPr has been updated and consolidated in 2019 and approved in 2020 to include additional activities for the expansion project:

- Proposed North Waste Rock Dump (WRD): Operational;
- Proposed Blinkwater 2 TSF: Construction phase;
- Proposed Buffer Dam: Construction phase; and
- Proposed Third Concentrator: Not yet commenced;
- Sandsloot River diversion: Not yet commenced;
- Debottlenecking plant: Not yet commenced.

This Audit Report focuses on the consolidated EMPr of 2020 as approved by DMPR.

Environmental Authorisation

The 13/08/2020 integrated EA includes the following activities that were applied for by the Mogalakwena Mine:

- Construction and Operation of a Mogalakwena Third Concentrator (M3C) plant and associated infrastructure including crusher and bulk ore sorting facility;
- Establishment of the North WRD, ore stockpiles and haul roads;
- Construction of a Buffer Dam to store mine-related process water;
- Expansion of the footprint of the proposed Blinkwater 2 TSF;
- Upgrade of the Mogalakwena South Concentrator plant and associated infrastructure;
- Upgrade of the existing Sewage Treatment Plant (STP) at the contractors' camp and North STP;
- Expansion of the workshop area to accommodate anticipated increase in mining equipment and associated mining equipment assembly areas;
- Establishment of a temporary laydown area for contractors to support the construction phase to be located between the M3C and the buffer dam;
- Potential contractors' camp as a temporary accommodation facility to be used during construction;
- Upgrade of Mine access roads;
- Upgrade of the access road from the Bakenberg Road turnoff to the M3C area to manage traffic congestion during construction;
- Realignment of the approved Sandsloot River diversion and application for Water Use License (WUL);
- Linear infrastructure;
- Watercourse crossings and diversions associated with new activities;
- Conveyor crossing over the Mohlosane River near the proposed M3C and Bulk Ore Sorting Facility.

1.2 Details and expertise of the independent person who prepared the environmental audit report

Table 6: Description of the environmental assessment practitioner

Name of company	BECS Environmental
Telephone number	012 361 9970
Cell phone number	072 191 6074
E-mail address	salome@becsenv.co.za
Name of report reviewer	Salome Beeslaar

Expertise of report reviewer	Qualifications: • “BSc” Environmental Science (UP³), • “BSc” (Honours) Geography (UP), • “MSc” Geography (UP) Registrations: • SACNASP⁴ Professional Scientist (Environmental Science) ○ Number 400385/14 ○ Date of registration: 10 September 2014 • Registered EAP⁵ (EAPASA⁶) ○ Number 2020/846 ○ Date of registration: 11 September 2020 Memberships: • IAIAsa⁷ ○ Membership number: 5853 ○ Date of registration: 1 March 2018 • NICOLA⁸ ○ Membership number: NM163/2024 ○ Date of registration: 16 September 2024
Name of report author	Miles Longhurst
Expertise of report author	Qualifications: • “BSc” Environmental Science (UP), • “BSc” Honours Environmental Science and Geography (UP), • “MSc” Environmental Management (UP) Registrations: • SACNASP Candidate Natural Scientist (Environmental Science) ○ Number 149969 ○ Date of registration: 14 July 2022 Memberships: • IAIAsa ○ Membership number: 6882 ○ Date of registration: 1 March 2022

³ University of Pretoria⁴ South African Council for Natural Scientific Professions⁵ Environmental Assessment Practitioner⁶ Environmental Assessment Practitioners Association of South Africa⁷ International Association for Impact Assessment South Africa⁸ Network For Industrially Contaminated Land in Africa

1.3 A declaration that the independent auditor is independent in a form as may be specified by the competent authority

The following declarations are included to comply with regulation 13(1)(a), as well as the applicable definition, of the EIA Regulations:

An EAP and a specialist, appointed, must be independent.

Independent, in relation to an EAP, a specialist or the person responsible for the preparation of an environmental audit report, means:

- a) that such EAP, specialist or person has no business, financial, personal or other interest in the activity or application in respect of which that EAP, specialist or person is appointed in terms of these Regulations; or*
- b) that there are no circumstances that may compromise the objectivity of that EAP, specialist or person in performing such work;*

excluding -

- i) normal remuneration for a specialist permanently employed by the EAP; or*
- ii) fair remuneration for work performed in connection with that activity, application or environmental audit.*

I, Miles Longhurst, with identity number 9812055284086, hereby declare that I have no conflict of interest related to the work of this report. Specially, I declare that I have no business, personal, or financial interests in the property and/or mining right being assessed in this report, and that I have no personal or financial connections to the relevant property owners, or mine, except for fair remuneration for work performed in connection to this report. I declare that the opinions expressed in this report are my own and a true reflection of my professional expertise and that there are no circumstances that may compromise my objectivity in performing such work.



Miles Longhurst

"MSc" Environmental Management (UP)

October 2025

I, Salome Beeslaar, with identity number 8310190032081, hereby declare that I have no conflict of interest related to the work of this report. Specially, I declare that I have no business, personal, or financial interests in the property and/or mining right being assessed in this report, and that I have no personal or financial connections to the relevant property owners, or mine, except for fair remuneration for work performed in connection to this report. I declare that the opinions expressed in this report are my own and a true reflection of my professional expertise and that there are no circumstances that may compromise my objectivity in performing such work.



Salome Beeslaar

“MSc” Geography (UP)

October 2025

1.4 Regional setting and location of activity

The property is situated on the farm Portion 0 of the farm Overysel 815 LR; Portion 0 of the farm Zwartfontein 818 LR; Portion 0, Remaining Extent of the farm Blinkwater 820 LR; Portion 0 of the farm Sandsloot 236 KR; Portion 0 of the farm Vaalkop 819 LR, Mogalakwena Local Municipality, Waterberg District Municipality, Limpopo Province.

Nearest towns:

- Mokopane - 25km in a south-south easterly direction
- Polokwane - 55km in an easterly direction
- Modimolle - 93km in a south-westerly direction

1.5 Property description

	The farm Zwartfontein 818 LR	Portion 0 of the farm Overysel 815 LR	Remaining Extent of the farm Blinkwater 820 LR	Portion 0 of the farm Sandsloot 236 KR	Portion 0 of the farm Vaalkop 819 LR
Title deed number	T6601/1913	T22441/1942	T22441/1942	T2463/1887	T22441/1942
Property owner ⁹	RSA	RSA	RSA	RSA	RSA
21-digit Surveyor General Code	TOLR00000000081800000	TOLR00000000081500000	TOLR00000000082000000	TOKR00000000023600000	TOLR00000000081900000
Extent	1,729.57 ha	1852.01 ha	1539.30 ha	1,825.56 ha	1607.41 ha
Coordinates	23°58'10.86"S 28°54'21.26"E	23°56'38.919"S 8°53'6.326"E	23°57'5.009"S 28°56'27.676"E	24° 0'54.35" 28°53'34.07"E	24°00'13.268"S 28°55'55.183"E
Mining right reference number	LP50MR	LP50MR	LP50MR	LP50MR	LP50MR
Other authorisations	EA: LP50EM IWUL: 07/A61G/ABCGIJ/9887	EA: LP50EM IWUL: 07/A61G/ABCGIJ/9887	EA: LP50EM IWUL: 07/A61G/ABCGIJ/9887	EA: LP50EM IWUL: 07/A61G/ABCGIJ/9887	EA: LP50EM IWUL: 07/A61G/ABCGIJ/9887

⁹ The name Imerys Refractory Minerals South Africa is used where the title deed refers to Rhino Minerals, because this is the same company. See Section 1.2.1 above.

SECTION 2: AUDIT REPORT METHODOLOGY

2.1 Purpose of audit

According to regulation 34 of the EIA Regulations in terms of the NEMA:

'The holder of an EA must, for the period during which the EA and EMPr, and where the applicable the closure plan, remain valid - ensure that the compliance with the conditions of the EA and the EMPr, and where applicable the closure plan, is audited, and submit an environmental audit report to the relevant CA.'

The purpose of this document was to determine both the applicability and adequacy (compliance) of RPM with mining right reference, LP 50 MR/EM.

2.2 Scope of audit

An environmental audit was finalised in September 2025. This environmental audit is compiled to assess RPM's compliance to its approved:

- EMP and EA for expansion activities (LP 50 EM)

2.3 Key audit participants

Table 7: Key audit participants

Name and surname	Role during the audit
Miles Longhurst	Auditor and audit report compiler
Salome Beeslaar	Auditor and audit report reviewer
Shirely Palmer	Environmental department
Tsholofelo Mashibini	Environmental department

2.4 Methodology used for the assessment

The scope of the assessment was applicable to all the current activities on-site, as well as the commitments made in the EMP:

All conditions were abstracted from the EMP and EA and a determination of whether RPM has obtained all relevant environmental permits, licenses, certificates and other authorisations, and an on-site level observation on the 30th of June 2025 and 1st of July 2025 took place to determine whether the relevant operations are compliant to these authorisations. Conditions were evaluated using information obtained from employees that are on site, additional documentation requested by the mine, as well as verbal communication with the mine personnel. Compliance was rated as per Table 6 below. Non-compliances include action plans as well as timeframes and responsible person.

Compliance to the approved EMP and EA was rated as per the table below. Also included was a comparison to compliance rating for the previous audit, as well as section plans where necessary.

Table 8: Rating of compliance to commitments:

Full compliance	Full compliance to commitment.	
Non-compliance	No compliance to commitment, nothing in progress to comply and no plan in place to comply with commitment.	
Unable to verify	Unable to confirm compliancy due to inefficient information available	
Noted/Not applicable	Activities have not yet commenced; commitment is not currently applicable; or still waiting for outcome from the relevant competent authority on how to proceed with condition. No rating of condition necessary	
Amendment necessary	Commitment must be updated or amended.	

2.5 Assumptions and limitations

All documentation was assessed during the first two weeks of July 2025. A site visit was held on the 30th of June 2025 and 1st of July 2025 where interviews were conducted with key mine personnel to obtain all outstanding information. The audit report was thereafter compiled and submitted to the client.

2.6 Any other information requested by the competent authority

No additional information was requested from the DMPR. The audit report was thereafter compiled, submitted to DMPR, and all shortcomings of the EMP has been communicated to the public and stakeholders.

SECTION 3: EVALUATION OF COMPLIANCY TO THE APPROVED ENVIRONMENTAL IMPACT ASSESSMENT AND ENVIRONMENTAL MANAGEMENT PROGRAMME FOR (2020)

3.1 Air quality

Description of impact and management	Findings/observations
Pre-construction impacts applicable to all the proposed expansion activities during site clearing and grubbing of infrastructure areas	
The footprint of the proposed infrastructure area must be clearly demarcated to restrict vegetation clearing activities as far as practically possible	Full compliance: Construction has only taken place in approved areas. <u>Audit trail/supporting documentation:</u> Observations on-site.
Vegetation clearing activities will be restricted to the demarcated infrastructure footprint area	Full compliance: Vegetation clearance has only taken place in approved areas. <u>Audit trail/supporting documentation:</u> Observations on-site.
Moisture control will be necessary on large bare areas during dry season preconstruction and construction, in order to reduce the frequency and amount of dust suspended in the ambient air	Full compliance: Dust suppression occurs on-site using water and bitumen. Vegetation of bare areas takes place where necessary. <u>Audit trail/supporting documentation:</u> Observations on-site. Figure 3.1-1: Water bowser
Apply dust suppressants or vegetate bare areas not being used for construction	
Locate soil stockpiles within site boundaries considering the location of potential sensitive receptors and the predominant wind direction	Full compliance: No stockpiles were observed outside of designated areas and were protected from the wind. <u>Audit trail/supporting documentation:</u> Observations on-site. Review of Google Earth imagery

Description of impact and management	Findings/observations
Comply to the mine-set speed limits within the various proposed infrastructure areas to minimise the creation of fugitive dust within the project boundary	Full compliance: The mine has set speed limits on-site that are enforced. <u>Audit trail/supporting documentation:</u> Figure 3.1-2: Speed sign
Continue to implement the routine air quality monitoring program and assess air quality results routinely	Full compliance: The mine conducts monthly fallout dust monitoring on the mine site. <u>Audit trail/supporting documentation:</u> Figure 3.1-3: Fall out dust monitoring report
Construction impacts applicable to all the proposed expansion activities	
Moisture control will be necessary on large bare areas during dry season construction, in order to reduce the frequency and amount of dust suspended in the ambient air. Apply dust suppressants or vegetate bare areas not being used for construction	Full compliance: Dust suppression occurs on-site using water and bitumen. Vegetation of bare areas takes place where necessary. <u>Audit trail/supporting documentation:</u> Observations on-site. Figure 3.1-1: Water bowser
Comply to the mine-set speed limits area to minimise the creation of fugitive dust within the project boundary	Full compliance: The mine has set speed limits on-site that are enforced. <u>Audit trail/supporting documentation:</u> Figure 3.1-2: Speed sign
Continue to implement the routine air quality monitoring program and assess air quality results routinely	Full compliance: The mine conducts monthly fallout dust monitoring on the mine site. <u>Audit trail/supporting documentation:</u> Figure 3.1-3: Fall out dust monitoring report
Operational impacts applicable to all the proposed expansion activities	

Description of impact and management	Findings/observations
Treat road surfaces within the mine boundary to suppress dust entrained by vehicles. Surface treatment of roads should also be considered before and after a sensitive receptor	Full compliance: Dust suppression occurs on-site using water and bitumen. Vegetation of bare areas takes place where necessary. Dust suppression techniques are environmentally friendly. <u>Audit trail/supporting documentation:</u> Observations on-site. Figure 3.1-1: Water bowser
Use dust suppression techniques such as wet suppression or chemical suppression (must be environmentally friendly and non-polluting) to reduce dust on roads that exhibit an increase of dust emitted from the entrainment of dust	
Ensure that the minimum moisture content is maintained through process to lower dust emissions	
Design road alignments to minimise travel distances and eliminate unnecessary traffic;	Full compliance: It was observed on-site that road networks are efficient, and no unnecessary roads have been constructed. <u>Audit trail/supporting documentation:</u> Observations on-site.
Speed limits within the mine should be adhered to for both treated haul roads and unpaved roads	Full compliance: The mine has set speed limits on-site that are enforced. <u>Audit trail/supporting documentation:</u> Figure 3.1-2: Speed sign
Where necessary rock cladding on the boundary of the WRD to lower the possibility of wind erosion	Full compliance: There are berms in place around the base of the WRDs. Rock cladding is not currently necessary as the WRD is still active and material is still being deposited. <u>Audit trail/supporting documentation:</u> Observations on-site. Figure 3.3-2: North WRD upstream berms
Attend to dust control when off-loading trucks at the crusher by minimising drop heights and prevention of over loading	Full compliance: It was observed that when vehicles are being loaded the drop height is minimised and trucks were not overloaded.

Description of impact and management	Findings/observations
	<u>Audit trail/supporting documentation:</u> Observations on-site.
Limit load size to reduce spillage and cover final product loads with tarpaulins where needed;	Full compliance: No vehicles were overloaded, and all product trucks has covers to ensure that there was no spillage of material. <u>Audit trail/supporting documentation:</u> Observations on-site.
When stockpiling ore, the design specification of equipment should be considered to determine a suitable drop height to control the fall of materials which will reduce dust emissions	Full compliance: Drop heights are minimised on-site for stockpiles. <u>Audit trail/supporting documentation:</u> Observations on-site.
Continuation of routine emissions and ambient air quality monitoring program to determine whether there are any significant increases in emissions and impacts at sensitive receptors	Full compliance: The mine conducts monthly fallout dust monitoring on the mine site. <u>Audit trail/supporting documentation:</u> Figure 3.1-3: Fall out dust monitoring report
Post-closure phase impacts applicable to all the proposed expansion activities	
Effective implementation of the closure plan	Not applicable: Closure has not yet commenced.
Post-closure phase impacts applicable to the specific expansion activities	
Post-closure phase impacts applicable to the proposed construction of the 3rd Concentrator	
Effective implementation of the closure plan	Not applicable: Closure has not yet commenced.
Continuation of monitoring and maintenance procedures to ensure rehabilitation measures have been implemented adequately	
Implement post closure monitoring as detailed in Section 31.4.6	
Post-closure phase impacts applicable to the proposed construction the Blinkwater 2 TSF and North WRD	
Effective implementation of the closure plan	Not applicable:

Description of impact and management	Findings/observations
Continuation of monitoring and maintenance procedures to ensure rehabilitation measures have been implemented adequately	Closure has not yet commenced.

3.1.1 Supporting documentation



Figure 3.1-1: Water bowser



Figure 3.1-2: Speed sign

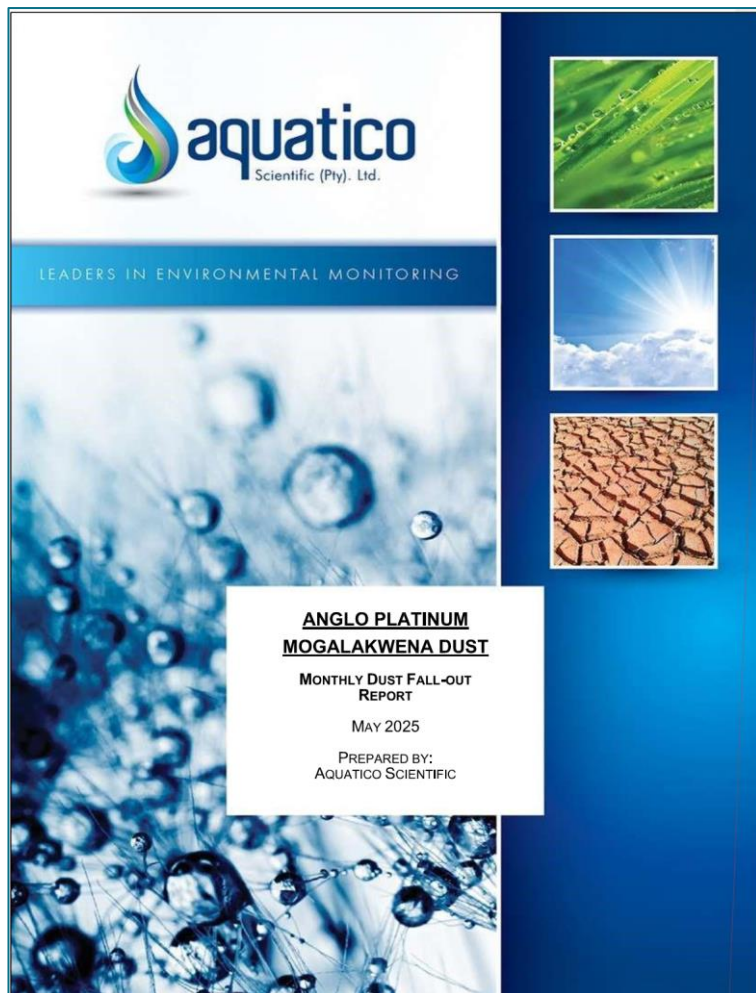
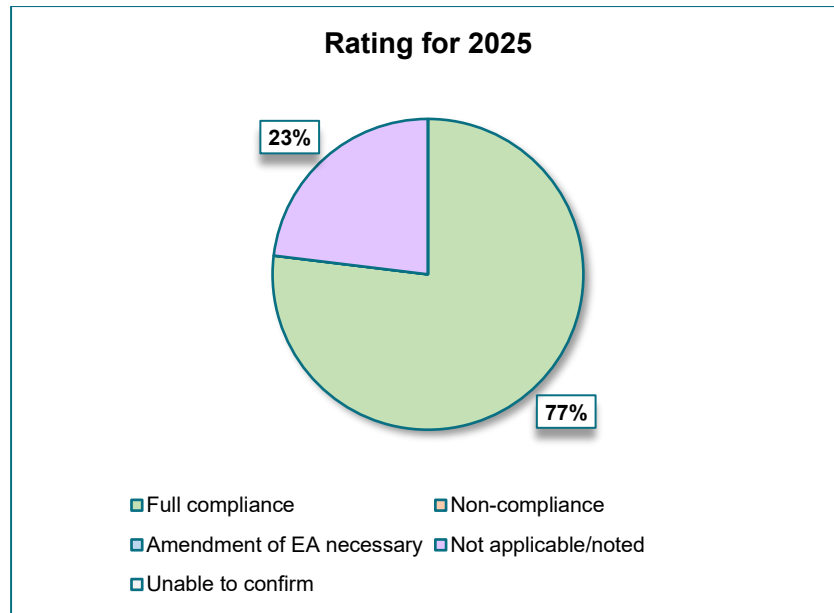


Figure 3.1-3: Fall out dust monitoring report

3.1.2 Summary of compliances



3.2 Soils, land use, and land capability

Description of impact and management	Findings/observations	Action plan
Pre-construction impacts applicable to all the proposed expansion activities during site clearing and grubbing of infrastructure areas		
The construction footprint must be kept as small as possible in order to minimise impact on the surrounding environment	Full compliance: Construction has only taken place in approved and demarcated areas. Audit trail/supporting documentation: Observations on-site. Review of Google Earth imagery Error! Reference source not found.	
The footprint of the proposed infrastructure areas will be clearly demarcated to restrict vegetation clearing activities as far as practically possible		

Description of impact and management	Findings/observations	Action plan
Clearing of vegetation will take place in a phased manner as to keep bare soil areas as small as possible to limit the erosion potential	Full compliance: Vegetation clearance has only taken place in approved areas and where activities are taking place. <u>Audit trail/supporting documentation:</u> Observations on-site. Review of Google Earth imagery	
Moisture control will be necessary on large bare areas during dry season preconstruction and construction, in order to reduce the frequency and amount of dust suspended in the ambient air	Full compliance: Dust suppression occurs on-site using water and bitumen. Vegetation of bare areas takes place where necessary. <u>Audit trail/supporting documentation:</u> Observations on-site. Figure 3.1-1: Water bowser	
Soils will be stripped and utilisable soils will be stockpiled separately from subsoils and soft overburden	Full compliance: Topsoil is kept separate from other stockpiles on-site. <u>Audit trail/supporting documentation:</u> Observations on-site.	
All disturbed areas adjacent to the infrastructural areas can be re-vegetated with an indigenous grass mix, to re-establish a protective cover, in order to minimise soil erosion and dust emission.	Full compliance: Disturbed areas where no activities are taking place are vegetated. <u>Audit trail/supporting documentation:</u> Observations on-site.	
Soils from the infrastructure footprint must be stripped and stockpiled at a designated area	Full compliance: Topsoil stockpiles observed on-site were stockpiled in designated areas. <u>Audit trail/supporting documentation:</u> Observations on-site.	

Description of impact and management	Findings/observations	Action plan
Soil stockpiles will be treated with temporary soil stabilization and erosion control measures. Stockpiles must be revegetated to establish a vegetation cover as an erosion control measure	Non-compliance: Erosion was observed on topsoil stockpiles, and the stockpiles were sparsely vegetated if at all. <u>Audit trail/supporting documentation:</u> Figure 3.2-1: Topsoil stockpiles	Ensure that all erosion measures are implemented on topsoil stockpiles. Ensure that erosion is monitored frequently for topsoil stockpiles. <u>Responsible person:</u> ECO¹⁰/mine manager <u>Timeframe:</u> Ongoing
Soil stockpiles will be kept alien vegetation free to prevent loss of soil quality	Non-compliance: Alien vegetation was observed on-site including on the topsoil stockpiles. <u>Audit trail/supporting documentation:</u> Figure 3.2-2: Alien vegetation	Ensure that alien vegetation is removed from topsoil stockpiles. <u>Responsible person:</u> ECO/mine manager <u>Timeframe:</u> Ongoing
Implement the soils utilisation plan as detailed in Section 18.4.1 of the EMP	Non-compliance: The soil utilisation plan is being implemented however not all of the topsoil stockpiles are fully vegetated and therefore are prone to erosion. Erosion was observed on topsoil stockpiles. <u>Audit trail/supporting documentation:</u> Figure 3.2-1: Topsoil stockpiles	Implement the soil utilisation plan fully. Conduct internal audit on soil utilisation plan to ensure correct implementation. <u>Responsible person:</u>

¹⁰ Environmental Control Officer

Description of impact and management	Findings/observations	Action plan
		ECO/mine manager <u>Timeframe:</u> Ongoing
The existing topsoil stockpile located within the footprint where the proposed buffer dam will be located will be relocated to an appropriate designated area.	Full compliance: The topsoil stockpile was relocated to make way for the construction of the buffer dam. <u>Audit trail/supporting documentation:</u> Observations on-site. Communication with mine personnel	
Strip soils with vegetative cover intact (inclusive of seed pool and organic matter), stockpile utilisable soils separately from soft overburden, restrict stockpiles and berms to less than 1.5 m high where possible, or to 15 m high where soils are to be stored for extended periods of time (>3 years)	Full compliance: The storage of soils on-site adheres to this condition. <u>Audit trail/supporting documentation:</u> Observations on-site. Figure 3.2-1: Topsoil stockpiles	
A medicinal plant survey will be undertaken in consultation with the community to identify medicinal plants being used by community members. Once the survey has been completed a medicinal plant management plan could possibly be developed.	Full compliance: A medicinal plant survey was conducted for the mine. No medicinal plants were found at the sites. <u>Audit trail/supporting documentation:</u> Figure 3.2-4: Medicinal plant survey	
Soils will be stripped and utilisable soils will be stockpiled separately from subsoils and soft overburden	Full compliance: Topsoil is stockpiled separately from other stockpiles on-site. <u>Audit trail/supporting documentation:</u> Observations on-site.	
Pre-construction impacts applicable to the proposed construction of the Buffer Dam		

Description of impact and management	Findings/observations	Action plan
The existing topsoil stockpile located within the footprint where the proposed buffer dam will be located will be relocated to an appropriate designated area.	Full compliance: The topsoil stockpile was relocated to make way for the construction of the buffer dam. Audit trail/supporting documentation: Observations on-site. Communication with mine personnel	
Restrict stockpiles height, vegetate and manage ingress of dirty water and erosion	Not applicable: There are no stockpiles on this site anymore as construction has commenced.	
Construction impacts applicable to all the proposed expansion activities		
Footprint impact should be minimised	Full compliance: Construction has only taken place in approved and demarcated areas. Audit trail/supporting documentation: Observations on-site Review of Google Earth imagery	
All utilisable soil must be removed and stockpiled and the revegetation and/or rock cladding /cover to all stored materials (more than three years) should be considered	Non-compliance: Topsoil is kept separate from other stockpiles on-site. However, erosion was observed, and not all topsoil stockpiles are vegetated or protected from erosion. Audit trail/supporting documentation: Observations on-site. Figure 3.2-1: Topsoil stockpiles	Ensure that all topsoil stockpiles are protected from erosion. Responsible person: ECO/mine manager
Suitable indigenous grass should be used as an erosion prevention medium ahead of clearing where erosion is a considered risk.	Non-compliance: Erosion was observed on topsoil stockpiles which are not vegetated or protected from erosion. Audit trail/supporting documentation: Observations on-site.	Timeframe: Ongoing

Description of impact and management	Findings/observations	Action plan
	Figure 3.2-1: Topsoil stockpiles	
Comply to the waste management plan which has been developed for MM ¹¹	Full compliance: The mine has a waste management procedure in place that is being implemented on-site. Audit trail/supporting documentation: Figure 4.5-4: Waste management procedure	
Waste storage areas must be clearly marked with signage boards and fenced off	Full compliance: Waste storage areas are clearly marked with signage and are located within the mining and approved areas. Audit trail/supporting documentation: Observations on-site. Figure 3.1-2: Waste management area	
Waste will be removed off site by a licensed contractor to a suitable licensed facility	Non-compliance: Waste is taken to the landfill site where it is sorted and removed by various contractors for disposal. However, the waste at the landfill site had not been removed regularly and there were areas where skips were overflowing. Audit trail/supporting documentation: Observations on-site. Figure 3.1-3: Waste management license	Ensure that waste is removed timelessly and no skips or waste storage areas are overflowing. Responsible person: ECO Timeframe: Ongoing
All construction related waste and material should be disposed of at a registered waste facility		
No waste or construction rubble is to be dumped in the freshwater features or surrounding habitats	Full compliance: No dumping of construction waste in freshwater features was observed. Audit trail/supporting documentation:	

¹¹ Mogalakwena Mine

Description of impact and management	Findings/observations	Action plan
	Observations on-site.	
Burying or burning of any waste including rubble, domestic waste, empty containers on the site will be strictly prohibited and all construction rubble waste must be removed and managed through the mines existing waste program.	Full compliance: According to mine personnel, no waste is burned or buried on-site. Waste used to be buried at the licensed landfill on-site however this no longer takes place. Audit trail/supporting documentation: Communication with mine personnel Figure 3.1-3: Waste management license	
Sufficient on-site ablution, sanitation and waste management facilities will be provided	Full compliance: Suitable sanitation and waste management facilities are available on-site. Audit trail/supporting documentation: Observations on-site.	
Implement the soils utilisation plan as detailed in section 18.4.1 of the EMP	Non-compliance: The soil utilisation plan is being implemented however not all of the topsoil stockpiles are fully vegetated and therefore are prone to erosion. Erosion was observed on topsoil stockpiles. Audit trail/supporting documentation: Figure 3.2-1: Topsoil stockpiles	Implement the soil utilisation plan fully. Conduct internal audit on soil utilisation plan to ensure correct implementation. Responsible person: ECO/mine manager Timeframe: Ongoing
Movement and servicing of vehicles should be restricted or minimised to identified areas. Spillage from haulage systems and vehicles should be restricted and if it does happen be cleaned according to the mines existing procedure. All services areas should be bunded	Full compliance: The servicing of vehicles takes place in designated, bunded areas. The mine has spill management procedures in place and mine personnel are trained on how to handle spillages.	

Description of impact and management	Findings/observations	Action plan
	<u>Audit trail/supporting documentation:</u> Figure 3.2-5: Spill handling procedure	
Minimise the footprint of impact. Restrict vehicle movement over unprotected soils and to areas of need. Remove all (to depth) utilisable soil, stockpile and store prior to construction of facilities/structures	Full compliance: Vehicles are restricted to designated roads. All topsoil is removed prior to construction. <u>Audit trail/supporting documentation:</u> Observations on-site. Figure 3.2-1: Topsoil stockpiles	
Implement concurrent rehabilitation of all areas once usefulness is completed	Full compliance: Rehabilitation takes place on bare areas once construction has ceased. <u>Audit trail/supporting documentation:</u> Observations on-site. Communication with mine personnel	
Removal/stripping of all utilisable soil from footprint of permanent structures and the stockpiling/storage of the resource. Protect from erosion, compaction and contamination (dirty water)	Non-compliance: The soil utilisation plan is being implemented however not all of the topsoil stockpiles are fully vegetated and therefore are prone to erosion. Erosion was observed on topsoil stockpiles. <u>Audit trail/supporting documentation:</u> Figure 3.2-1: Topsoil stockpiles	Implement the soil utilisation plan fully. Conduct internal audit on soil utilisation plan to ensure correct implementation. <u>Responsible person:</u> ECO/mine manager
Stockpile soils upslope of dirty water runoff and use vegetative cover (indigenous grass etc.) to protect soils	Non-compliance: Topsoil stockpiles are located above dirty water areas however not all stockpiles are vegetated. <u>Audit trail/supporting documentation:</u> Figure 3.2-1: Topsoil stockpiles	<u>Timeframe:</u> Ongoing

Description of impact and management	Findings/observations	Action plan
Strip soils with vegetative cover intact (inclusive of seed pool and organic matter), stockpile utilisable soils separately from soft overburden, restrict stockpiles and berms to less than 1.5 m high where possible, or to 15 m high where soils are to be stored for extended periods of time (>3 years)	Full compliance: The storage of soils on-site adheres to this condition. <u>Audit trail/supporting documentation:</u> Observations on-site. Figure 3.2-1: Topsoil stockpiles	
Vegetate and/or rock clad stores of soil and overburden and manage the ingress of dirty water and erosion	Non-compliance: Stockpiles have berms in place to management stormwater and dirty water runoff. However, not all stockpiles are vegetated and protected from erosion. <u>Audit trail/supporting documentation:</u> Figure 3.2-1: Topsoil stockpiles Observations on-site	Ensure that all topsoil stockpiles are protected from erosion. <u>Responsible person:</u> ECO/mine manager <u>Timeframe:</u> Ongoing
Operational impacts applicable to all the proposed expansion activities		
Minimise footprint and restrict area of impact to as small an area as practical and manage all stockpiles of stripped soil for erosion and contamination	Full compliance: Construction has only taken place in approved and demarcated areas. <u>Audit trail/supporting documentation:</u> Observations on-site Review of Google Earth imagery	
Maintain management measures for the identified impacts of dirty water and dust generation	Full compliance: Dust management and stormwater management measures were observed on-site. <u>Audit trail/supporting documentation:</u> Observations on-site Figure 3.1-1: Water bowser	

Description of impact and management	Findings/observations	Action plan
Implement the soils utilisation plan as detailed in section 18.4.1 of the EMP	Non-compliance: The soil utilisation plan is being implemented however not all of the topsoil stockpiles are fully vegetated and therefore are prone to erosion. Erosion was observed on topsoil stockpiles. <u>Audit trail/supporting documentation:</u> Figure 3.2-1: Topsoil stockpiles	Implement the soil utilisation plan fully. Conduct internal audit on soil utilisation plan to ensure correct implementation. <u>Responsible person:</u> ECO/mine manager <u>Timeframe:</u> Ongoing
Manage stockpiles and berms for vegetative cover to restrict erosion, and maintain and manage stormwater control systems to prevent erosion and ingress of dirty water	Non-compliance: Stockpiles have berms in place to management stormwater and dirty water runoff. However, not all stockpiles are vegetated and protected from erosion. <u>Audit trail/supporting documentation:</u> Figure 3.2-1: Topsoil stockpiles Observations on-site	Ensure that all topsoil stockpiles are protected from erosion. <u>Responsible person:</u> ECO/mine manager <u>Timeframe:</u> Ongoing
On-going monitoring and maintenance of vegetative cover/rock cladding to all material stockpiles and berms, concurrent rehabilitation of all non-essential or disused areas, and the maintenance of stormwater control systems	Non-compliance: It was observed on-site that berms and stockpiles have some vegetation cover and cladding however there was erosion present on some stockpiles, and no monitoring reports could be provided by the mine during the time of the suit. <u>Audit trail/supporting documentation:</u> Figure 3.2-1: Topsoil stockpiles	Ensure that monitoring reports are compiled for stockpiles and berms. <u>Responsible person:</u> ECO/mine manager <u>Timeframe:</u> Monthly

Description of impact and management	Findings/observations	Action plan
On-going management and control (auditing and monitoring) of vehicle maintenance, movement (access and haulage ways) and the covering to loads of raw materials and byproduct during transportation	Full compliance: The management and control of vehicles is being conducted on-site. All vehicles are restricted to roads and designated areas on-site. Loads are covered when being transported from the mine on public roads. <u>Audit trail/supporting documentation:</u> Observations on-site	
Minimisation or prevention of spillage from waste delivery, pipelines and conveyancing systems and haulage, and controlled maintenance of vehicles	Full compliance: The servicing of vehicles takes place in designated, bunded areas on a regular basis. The mine has spill management procedures in place and mine personnel are trained on how to handle spillages. <u>Audit trail/supporting documentation:</u> Figure 3.2-5: Spill handling procedure	
Operation phase impacts applicable to the proposed Blinkwater 2 TSF		
On-going management and control (auditing and monitoring) of vehicle maintenance, movement (access and haulage ways) and the covering to loads of raw materials and by-product during transportation	Full compliance: The management and control of vehicles is being conducted on-site. All vehicles are restricted to roads and designated areas on-site. Loads are covered when being transported from the mine on public roads. <u>Audit trail/supporting documentation:</u> Observations on-site	
Minimisation or prevent of spillage from haulage, and controlled maintenance of vehicles	Full compliance: The servicing of vehicles takes place in designated, bunded areas on a regular basis. The mine has spill management procedures in place and mine personnel are trained on how to handle spillages. <u>Audit trail/supporting documentation:</u> Figure 3.2-5: Spill handling procedure	

Description of impact and management	Findings/observations	Action plan
Implement the soils utilisation plan as detailed in Section 18.4.1 of the EMP	Ful compliance: The soil utilisation plan is being implemented however it must be noted that vegetation of stockpiles in this area is not yet feasible as this is an active site and material is actively being deposited. <u>Audit trail/supporting documentation:</u> Figure 3.2-3: Blinkwater TSF	Implement the soil utilisation plan fully. Conduct internal audit on soil utilisation plan to ensure correct implementation. <u>Responsible person:</u> ECO/mine manager <u>Timeframe:</u> Ongoing
Operation phase impacts applicable to the proposed Workshop Expansion and Change house		
On-going management and control (auditing and monitoring) of vehicle maintenance, movement (access and haulage ways) and the covering to loads of raw materials and by-product during transportation	Not applicable: The applications for this project have not been submitted yet and no activities have commenced.	
Minimisation or prevent of spillage from haulage, and controlled maintenance of vehicles		
Closure/rehabilitation phase impacts applicable to all the proposed expansion activities		
Replacement of nutrient and organic carbon matter needs and requirements at time of rehabilitation, landscaping of the topographic slope (free draining), cultivation of soils and replacement of vegetative cover as soon after replacement of materials as possible. Monitoring of vegetative growth until self-sustaining	Not applicable: Closure is not yet taking place.	
Management of stormwater control systems and monitoring of water quality used for irrigation of vegetated areas		
Maintenance and management of all vehicles and restriction on access of vehicles and grazing animals to rehabilitated areas and/or unprotected soils. Installation of erosion control measures along all drainage ways/channels and on any/all sensitive sites		

Description of impact and management	Findings/observations	Action plan
Post-closure phase impacts applicable to all the proposed expansion activities		
Assessment of soil physical and chemical requirements, water holding capabilities, hydro pedological considerations and calculation of fertiliser inputs as part of the soil utilisation plan and rehabilitation implementation programme	Not applicable: Closure is not yet taken place.	
Ongoing monitoring of water quality, erosion and compaction concerns and the overall growth of the re-vegetation effort		
Control of access to rehabilitated sites until well established and sustainable		

3.2.1 Supporting documentation



Figure 3.2-1: Topsoil stockpiles

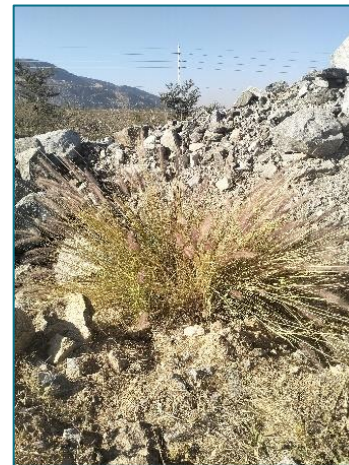


Figure 3.2-2: Alien vegetation

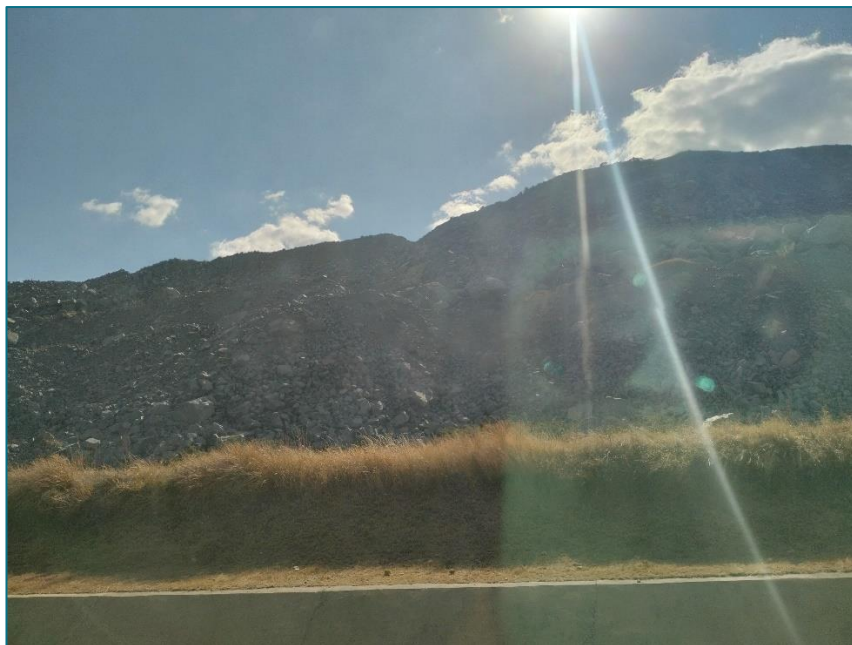


Figure 3.2-3: Blinkwater TSF

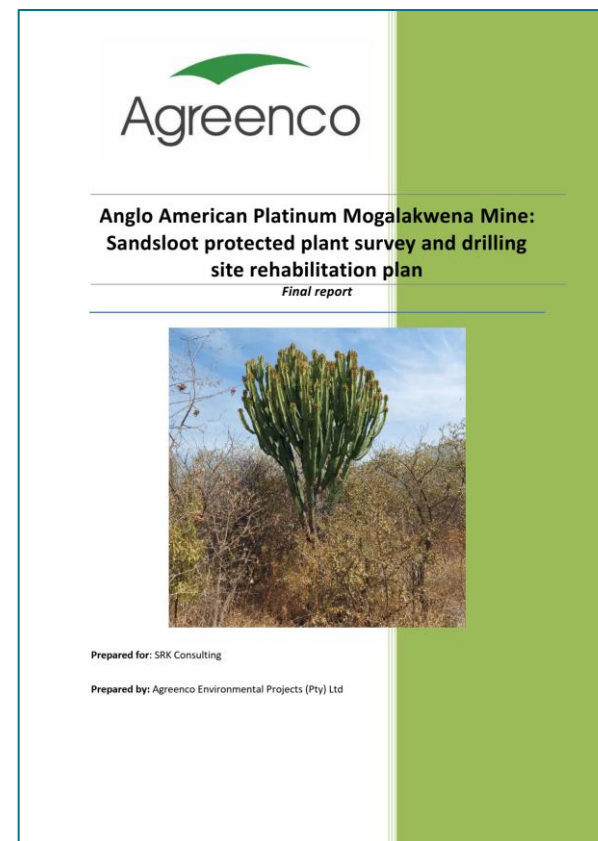


Figure 3.2-4: Medicinal plant survey

[OFFICIAL]


PLATINUM

OPERATIONAL PROCEDURE

MOGALAKWENA COMPLEX

HYDROCARBON / CHEMICAL SPILL

VERSION: 9.0
 LAST REVISION DATE: 02 November 2022
 FIRST IMPLEMENTATION DATE: 21 October 2013
 REFERENCE NUMBER: MS-SHE-ENV-PRO-0015

	NAME	POSITION	SIGNATURE	DATE
AUTHOR:	Tsholofelo Mashibini	Environmental Officer		19/06/23
REVIEWED BY:	Timothy Seimela	Environmental Superintendent		20/06/23
REVIEWED BY:	John Diase	FTHSR		22/06/23
REVIEWED BY:	Cedric Tseane	FTHSR		21/06/23
REVIEWED BY:	Khomotso Kokholabang	Act. HRD Manager		20/06/23
REVIEWED BY:	Herman van Rooyen	Snr. Asset Manager		22/06/23
REVIEWED BY:	Mahlodi Colleen Tema	HR Manager		19/06/23
APPROVED BY:	Herman Kemp	Concentrator Manager		21/06/23
APPROVED BY:	Mike Molefe	Snr. SHE Manager		19/06/23
APPROVED BY:	Jerry Mothibe	Mining Manager		20/06/23
APPROVED BY:	Alwyn Jordaan	Snr. Engineering Manager		19/06/23
APPROVED BY:	Willie Noordman	Snr. General Manager		22/06/23

INTERNAL

[OFFICIAL]


PLATINUM

OPERATIONAL PROCEDURE

MOGALAKWENA COMPLEX

TREATMENT OF HYDROCARBON CONTAMINATED SOIL PROCEDURE

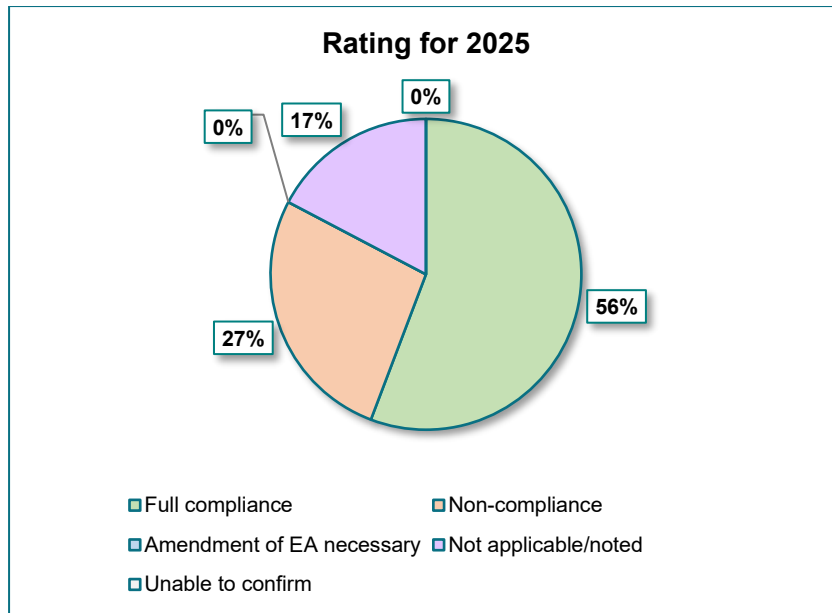
VERSION: 2.0
 LAST REVISION DATE: 02 November 2022
 FIRST IMPLEMENTATION DATE: 19 September 2018
 REFERENCE NUMBER: MS-SHE-ENV-PRO-0029
 OLD REFERENCE NUMBER: N/A

	NAME	POSITION	SIGNATURE	DATE
AUTHOR:	Timothy Seimela	Environmental Superintendent		19/06/23
REVIEWED BY:	Joseph Maloma	Section Engineer		19/06/23
REVIEWED BY:	Herman van Rooyen	Snr. Asset Manager		19/06/23
REVIEWED BY:	Tsholofelo Mashibini	Environmental Officer		19/06/23
APPROVED BY:	Lerato Itumeleng	Act. HRD Manager		19/06/23
APPROVED BY:	Le Roux Esterhuysen	RE Central Services		19/06/23
APPROVED BY:	Job Sithole	Resident Engineer - Mining		19/06/23
APPROVED BY:	Mike Molefe	Snr. SHE Manager		19/06/23
APPROVED BY:	Alwyn Jordaan	Snr. Engineering Manager		19/06/23
APPROVED BY:	Jerry Mothibe	Manager Mining		19/06/23
APPROVED BY:	Herman Kemp	Concentrator Manager		19/06/23
APPROVED BY:	Willie Noordman	Snr. General Manager		19/06/23

INTERNAL

Figure 3.2-5: Spill handling procedures

3.2.2 Summary of compliances



3.3 Biodiversity

Description of impact and management	Findings/observations	Action plan
Pre-construction impacts applicable to all the proposed expansion activities during site clearing and grubbing of infrastructure areas		
The construction footprint must be kept as small as possible in order to minimise impact on the surrounding environment	Full compliance: Construction has only taken place in approved and demarcated areas. Audit trail/supporting documentation: Observations on-site. Review of Google Earth imagery Error! Reference source not found.	
The footprint of the proposed infrastructure areas will be clearly demarcated to restrict vegetation clearing activities as far as practically possible		

Description of impact and management	Findings/observations	Action plan
Clearing of vegetation will take place in a phased manner as to keep bare soil areas as small as possible to limit the erosion potential	Full compliance: Vegetation clearance has only taken place in approved areas and where activities are taking place. <u>Audit trail/supporting documentation:</u> Observations on-site. Review of Google Earth imagery	
Moisture control will be necessary on large bare areas during dry season preconstruction and construction, in order to reduce the frequency and amount of dust suspended in the ambient air	Full compliance: Dust suppression occurs on-site using water and bitumen. Vegetation of bare areas takes place where necessary. <u>Audit trail/supporting documentation:</u> Observations on-site. Figure 3.1-1: Water bowser	
All disturbed areas adjacent to the infrastructural areas can be re-vegetated with an indigenous grass mix, to re-establish a protective cover, in order to minimise soil erosion and dust emission. This can be achieved by conducting a vegetation assessment.	Full compliance: Disturbed areas where no activities are taking place are vegetated. <u>Audit trail/supporting documentation:</u> Observations on-site.	
Continue to implement the routine air quality monitoring program and assess air quality results routinely	Full compliance: The mine conducts monthly fallout dust monitoring on the mine site. <u>Audit trail/supporting documentation:</u> Figure 3.1-3: Fall put dust monitoring report	
Identified protected species located within the construction site must be individually identified and marked before clearing and relocated once permit has been obtained for removal and relocation	Full compliance: A protected plant survey was done on-site for undisturbed areas. All protected plants were marked. No protected plants have yet been moved.	

Description of impact and management	Findings/observations	Action plan
	<u>Audit trail/supporting documentation:</u> Figure 3.3-4: Protected plant locations	
Proliferation of alien and invasive species is expected within disturbed areas. These species should be eradicated and controlled to prevent their spread beyond the site boundary. Alien and invasive vegetation control should take place throughout all phases of the project.	Non-compliance: The mine has an alien species management plan in place. However, alien species were still identified on-site. <u>Audit trail/supporting documentation:</u> Figure 3.3-5: Alien invasive species management plan	Ensure alien invasive species are removed as per the alien species management plan. <u>Responsible person:</u> ECO/mine manager <u>Timeframe:</u> Ongoing
Unnecessary barriers in migration corridors should be avoided where possible	Full compliance: Only approved infrastructure and necessary fencing and barriers have been constructed on-site. <u>Audit trail/supporting documentation:</u> Observations on-site.	
Pre-construction impacts applicable to the proposed construction the Blinkwater 2 TSF		
Where possible, rehabilitate exposed areas during construction to promote vegetation growth	Not applicable: The pre-construction phase has ceased, and construction is underway.	
Additional natural vegetation loss should be mitigated as much as possible through re-vegetation with suitable indigenous grass and indigenous trees		
If possible, relocate protected species once a permit has been obtained for its removal		
Construction impacts applicable to all the proposed expansion activities		
Vegetate and/or rock clad stores of soil and spoils and manage the ingress of dirty water and erosion.	Non-compliance: Stockpiles have berms in place to management stormwater and dirty water runoff. However, not all stockpiles are vegetated and protected from erosion.	Ensure that all topsoil stockpiles are protected from erosion. <u>Responsible person:</u>

Description of impact and management	Findings/observations	Action plan
	<u>Audit trail/supporting documentation:</u> Figure 3.2-1: Topsoil stockpiles Observations on-site	ECO/mine manager <u>Timeframe:</u> Ongoing
The footprint and daily operation of the proposed infrastructure must be strictly monitored to ensure that footprint creep and edge effects does not affect the surrounding sensitive faunal habitat	Full compliance: The footprint of infrastructure is restricted to approved areas. <u>Audit trail/supporting documentation:</u> Observations on-site Review of Google Earth imagery	
Restrict vehicles to travelling only on designated roadways to limit the ecological footprint of the proposed development	Full compliance: All vehicles are restricted to designated roads. No unauthorised movement or roads were observed on-site.	
No indiscriminate driving through the veld and undisturbed areas should be allowed	<u>Audit trail/supporting documentation:</u> Observations on-site	
Ensure that the ephemeral drainage lines are demarcated as no go zones for personnel and mine vehicles	Full compliance: No unauthorised activities were observed in the drainage lines. <u>Audit trail/supporting documentation:</u> Observations on-site Figure 3.5-2: Mohlosane River diversion channel	
No faunal species may be hunted, trapped, snared or captured for any purpose whatsoever	Non-compliance: The mine could not provide the awareness material or attendance registers for training of employees for the hunting and capturing of animals. Therefore, it cannot be verified if this is taking place on-site.	Ensure that all employees are trained on the hunting and trapping of animals on-site. <u>Responsible person:</u> ECO/mine manager

Description of impact and management	Findings/observations	Action plan
		<u>Timeframe:</u> Ongoing
Fences and boundaries must be monitored on a regular basis in order to locate and remove snares and traps	Non-compliance: It is not certain whether this is taking place on-site as no monitoring reports were provided at the time of the audit.	Ensure that the monitoring of snares and traps is undertaken on-site. <u>Responsible person:</u> ECO/mine manager <u>Timeframe:</u> Ongoing
Construction impacts applicable to the proposed construction of the 3rd Concentrator and Bulk Ore Sorter		
Encroachment into the Mohlosane river should be avoided	Not applicable: Construction has not commenced.	
Sheet runoff from access roads should be slowed down by the strategic placement of berms		
Soils must be managed according to the management measures detailed under soils land use and land capability and should include erosion / run-off control for construction phase		
Where practical construction should take place in the low flow period (dry season) to reduce probability of potential impact		
Monitor all areas outside of the development footprints for erosion and incision		
Sheet runoff from access roads should be slowed down by the strategic placement of berms		
Soils must be managed according to the management measures detailed under soils land use and land capability and should include erosion / run-off control for construction phase		
Monitor all areas outside of the development footprints for erosion and incision		
Construction impacts applicable to the proposed construction of the Debottlenecking Plant at the South Concentrator		
Where possible, rehabilitate exposed areas during construction to promote vegetation growth	Not applicable: Construction has not commenced.	

Description of impact and management	Findings/observations	Action plan
Removal of alien and weed species must take place in accordance with existing legislation process and procedures		
Additional natural vegetation loss should be mitigated as much as possible through re-vegetation with suitable indigenous grass and indigenous trees		
All development footprint areas and areas affected by the proposed development should remain as small as possible		
Where practical construction should take place in the low flow period (dry season) to reduce probability of potential impact		
The mines existing procedures must be followed for the management of oil/diesel leaks		
Construction impacts applicable to the proposed construction the Blinkwater 2 TSF		
All development footprint areas and areas affected by the proposed development should remain as small as possible and should not encroach onto surrounding sensitive areas and the associated buffer zones (Refer to Section 29.1.3)	Full compliance: The current construction is within the approved footprint area. <u>Audit trail/supporting documentation:</u> Observations on-site Figure 3.3-5: Google Earth image of Blinkwater 2 expansion area	
The boundaries of the development footprint areas are to be clearly defined and it should be ensured that all activities remain within defined footprint areas	Full compliance: All current activities are within the approved area. There is a berm to define the boundaries of the site. <u>Audit trail/supporting documentation:</u> Observations on-site Figure 3.3-5: Google Earth image of Blinkwater 2 expansion area Figure 3.3-6: Blinkwater 2 TSF berm and stormwater trench	
All sensitive areas outside the construction area must be kept off-limits to construction vehicles and personnel	Full compliance: It was observed on-site that all vehicles remained on the roads and construction sites.	

Description of impact and management	Findings/observations	Action plan
	<u>Audit trail/supporting documentation:</u> Observations on-site	
Future mine planning should ensure that mining activities do not lead to a reduction of stream flow or dewatering of any riparian features and connectivity of the riparian features in the vicinity of the mining activities should be maintained	Noted	
Sheet runoff from access roads should be slowed down by the strategic placement of berms; Implement the soils utilisation plan as detailed in section 18.4.1	Full compliance: There are berms in place for the Blinkwater TSF and roads. <u>Audit trail/supporting documentation:</u> Observations on-site Figure 3.3-6: Blinkwater 2 TSF berm and stormwater trench	
Where practical construction should take place in the low flow period (dry season) to reduce probability of potential impact Monitor all areas outside of the development footprint for erosion and incision.	Full compliance: Construction was taking place during the dry season. <u>Audit trail/supporting documentation:</u> Observations on-site Communication with mine personnel	
The boundaries of the development footprint areas are to be clearly defined and it should be ensured that all activities remain within defined footprint areas Implement wetland protection measures included in the WUL	Full compliance: All current activities are within the approved area. There is a berm to define the boundaries of the site. There are no specified wetland protection measures in the WUL for this site. <u>Audit trail/supporting documentation:</u> Observations on-site Figure 3.3-5: Google Earth image of Blinkwater 2 expansion area Figure 3.3-6: Blinkwater 2 TSF berm and stormwater trench	
Construction impacts applicable to the proposed construction of the Buffer Dam		
Where possible, rehabilitate exposed areas during construction to promote vegetation growth	Full compliance (with notes):	

Description of impact and management	Findings/observations	Action plan
Additional natural vegetation loss should be mitigated as much as possible through re-vegetation with suitable indigenous grass and indigenous trees	The construction of the buffer dam is taking place within the approved footprint area and no areas outside of this footprint have been disturbed by activities. Once construction has been completed then it will be feasible for the mine to rehabilitate bare areas. <u>Audit trail/supporting documentation:</u> Observations on-site Figure 3.4-6: Buffer dam	
Where practical activities should be limited to months of low rainfall (dry season) to reduce probability of potential impact	Full compliance: Construction activities were taking place during the dry season. <u>Audit trail/supporting documentation:</u> Observations on-site Figure 3.4-6: Buffer dam	
Limit the footprint area of the proposed infrastructure to as small as possible	Full compliance: Activities are restricted to the approved footprint area. <u>Audit trail/supporting documentation:</u> Observations on-site Figure 3.4-6: Buffer dam	
Construct paddocks downstream of the working activities to minimise uncontrolled runoff from the site	Full compliance: According to the site operator, there are paddocks being put in place. <u>Audit trail/supporting documentation:</u> Communication with mine personnel	
Minimise the area that are to be stripped of vegetation and construct upstream bunds upstream of the construction site.	Full compliance:	

Description of impact and management	Findings/observations	Action plan
	Activities are restricted to the approved footprint area. Bunds cannot be constructed upstream of the site as the return water dams are located here. Audit trail/supporting documentation: Observations on-site	
The mines existing procedures must be followed for the management of oil/diesel leaks	Full compliance: The mine has spill management procedures in place and mine personnel are trained on how to handle spillages. Audit trail/supporting documentation: Figure 3.2-5: Spill handling procedure Figure 3.3-7: Spill handling and management awareness	
Construction impacts applicable to the proposed construction of the North Waste Rock Dump and ore stockpiles		
Where possible, rehabilitate exposed areas during construction to promote vegetation growth	Non-compliance: Construction has completed however there are still bare areas that need to be rehabilitated or revegetated. Audit trail/supporting documentation: Observations on-site	Ensure that bare areas are rehabilitated at the North WRD. Responsible person: ECO/mine manager Timeframe: Before next audit
Additional natural vegetation loss should be mitigated as much as possible through re-vegetation with suitable indigenous grass and indigenous trees		
Construct paddocks downstream of the working activities to minimise uncontrolled runoff from the site	Full compliance: According to mine personnel, paddocks have been constructed on the downstream side of the North WRD as per the designs. Audit trail/supporting documentation: Figure 3.3-1: North WRD designs	

Description of impact and management	Findings/observations	Action plan
Minimise the area that are to be stripped of vegetation and construct upstream bunds upstream of the construction site.	Full compliance: Only the approved footprint was stripped of vegetation. There are berms in lace upstream of the WRD. <u>Audit trail/supporting documentation:</u> Figure 3.3-2: North WRD upstream berms	
The mines existing procedures must be followed for the management of oil/diesel leaks	Full compliance: The mine has spill management procedures in place and mine personnel are trained on how to handle spillages. <u>Audit trail/supporting documentation:</u> Figure 3.2-5: Spill handling procedure Figure 3.3-7: Spill handling and management awareness	
Construction impacts applicable to the proposed construction of the Contractors Camp		
Where possible, rehabilitate exposed areas during construction to promote vegetation growth	Not applicable: No contractors camp has been constructed on-site.	
Additional natural vegetation loss should be mitigated as much as possible through re-vegetation with suitable indigenous grass and indigenous trees		
Construct paddocks downstream of the working activities to minimise uncontrolled runoff from the site		
Where practical construction should take place in the low flow period (dry season) to reduce probability of potential impact		
The mines existing procedures must be followed for the management of oil/diesel leaks		
A biodiversity specialist must assess the area of the final location of the temporary contractors camp prior to the commencement of the construction		
Construction impacts applicable to the proposed construction of the Contractors' Laydown Area		
Where possible, rehabilitate exposed areas during construction to promote vegetation growth	Full compliance (with notes):	

Description of impact and management	Findings/observations	Action plan
Additional natural vegetation loss should be mitigated as much as possible through re-vegetation with suitable indigenous grass and indigenous trees	The construction of the laydown area is taking place within the approved footprint area and no areas outside of this footprint have been disturbed by activities. Once construction has been completed then it will be feasible for the mine to rehabilitate bare areas. <u>Audit trail/supporting documentation:</u> Observations on-site	
Construct paddocks downstream of the working activities to minimise uncontrolled runoff from the site	Full compliance: According to the site operator, there are paddocks being put in place. <u>Audit trail/supporting documentation:</u> Communication with mine personnel	
Where practical construction should take place in the low flow period (dry season) to reduce probability of potential impact	Full compliance: Construction activities were taking place during the dry season. <u>Audit trail/supporting documentation:</u> Observations on-site	
Construction impacts applicable to the proposed construction of the Workshop Expansion and Change house		
Where possible, rehabilitate exposed areas during construction to promote vegetation growth	Not applicable: The applications for this project have not been submitted yet and no activities have commenced.	
Additional natural vegetation loss should be mitigated as much as possible through re-vegetation with suitable indigenous grass and indigenous trees		
Construct paddocks downstream of the working activities to minimise uncontrolled runoff from the site		
Where practical construction should take place in the low flow period (dry season) to reduce probability of potential impact		
The mines existing procedures must be followed for the management of oil/diesel leaks		

Description of impact and management	Findings/observations	Action plan
Construction impacts applicable to the proposed construction of the Groot Sandsloot River diversion		
Where possible, rehabilitate exposed areas during construction to promote vegetation growth	Not applicable: Construction has not yet commenced.	
Additional natural vegetation loss should be mitigated as much as possible through re-vegetation with suitable indigenous grass and indigenous trees		
If possible, relocate protected species once a permit has been obtained for its removal		
Hydrocarbon spills from vehicles must be cleaned immediately		
Minimise the area that are to be stripped of vegetation and construct upstream bunds upstream of the construction site		
The mines existing procedures must be followed for the management of oil/diesel leaks		
Hazardous substances and potentially polluting materials should be stored in appropriately bunded areas located outside of the riparian zone		
Operational impacts applicable to all the proposed expansion activities		
Maintenance of berms to manage runoff from access roads	Full compliance: Berms on all roads are being maintained to manage runoff. <u>Audit trail/supporting documentation:</u> Figure 3.3-3: Road berm	
Implement the soils utilisation plan as detailed in section 18.4.1 in the EMP	Non-compliance: The soil utilisation plan is being implemented however not all of the topsoil stockpiles are fully vegetated and therefore are prone to erosion. Erosion was observed on topsoil stockpiles. <u>Audit trail/supporting documentation:</u> Figure 3.2-1: Topsoil stockpiles	Implement the soil utilisation plan fully. Conduct internal audit on soil utilisation plan to ensure correct implementation. <u>Responsible person:</u> ECO/mine manager <u>Timeframe:</u>

Description of impact and management	Findings/observations	Action plan
		Ongoing
Monitor areas outside of the development footprints for erosion and incision	Non-compliance: No monitoring reports were provided and therefore it cannot be confirmed whether this monitoring takes place.	Monitor areas outside of the development footprints for erosion and incision and provide monitoring/progress reports. <u>Responsible person:</u> ECO/mine manager <u>Timeframe:</u> Ongoing
Additional natural vegetation loss should be mitigated as much as possible through re-vegetation with suitable indigenous grass and indigenous trees	Non-compliance: Construction activities occur within the approved footprints however it was observed that there are still bare areas where construction activities have ceased and operational activities have commenced. <u>Audit trail/supporting documentation:</u> Observations on-site	Ensure that all bare areas are revegetated with indigenous grasses and vegetation. <u>Responsible person:</u> ECO/mine manager <u>Timeframe:</u> Ongoing
Ensure that the footprint areas of the water management infrastructure are kept as small as possible and does not encroach further upon the wetland zone or associated buffer zones, where possible.	Full compliance: All activities have taken place within the approved footprint areas.	
The footprint and daily operation of the proposed infrastructure must be strictly monitored to ensure that footprint creep and edge effects does not affect the surrounding natural habitat	<u>Audit trail/supporting documentation:</u> Observations on-site Review of Google Earth imagery	
Restrict vehicles to travelling only on designated roadways to limit the ecological footprint of the proposed development	Full compliance: All vehicles are restricted to designated roads. No unauthorised movement or roads were observed on-site.	
No indiscriminate driving through the veld and undisturbed areas should be allowed		

Description of impact and management	Findings/observations	Action plan
	<u>Audit trail/supporting documentation:</u> Observations on-site	
Ensure that the ephemeral drainage lines are demarcated as no go zones for personnel and mine vehicles	Full compliance: No unauthorised activities were observed in the drainage lines. <u>Audit trail/supporting documentation:</u> Observations on-site Figure 3.5-2: Mohlosane River diversion channel	
No faunal species may be hunted, trapped, snared or captured for any purpose whatsoever	Non-compliance: The mine could not provide the awareness material or attendance registers for training of employees for the hunting and capturing of animals. Therefore, it cannot be verified if this is taking place on-site.	Ensure that all employees are trained on the hunting and trapping of animals on-site. <u>Responsible person:</u> ECO/mine manager <u>Timeframe:</u> Ongoing
Fences and boundaries must be monitored on a regular basis in order to locate and remove snares and traps	Non-compliance: It is not certain whether this is taking place on-site as no monitoring reports were provided at the time of the audit.	Ensure that the monitoring of snares and traps is undertaken on-site. <u>Responsible person:</u> ECO/mine manager <u>Timeframe:</u> Ongoing
Where practical allow for faunal species to move through fences	Not applicable: This is not feasible as allowing animals to enter working and active mining areas can be dangerous to both wildlife and mine personnel.	

Description of impact and management	Findings/observations	Action plan
Operational impacts applicable to the specific expansion activities		
Operation phase impacts applicable to the proposed 3rd Concentrator		
Ensure that the footprint area of the expansion infrastructure is kept as small as possible	Not applicable: Construction and operation have yet to take place.	
Rehabilitate any open spaces in the footprint area and revegetate with indigenous grass and indigenous trees		
Operation phase impacts applicable to the proposed Debottlenecking Plant at the South Concentrator		
Rehabilitate any open spaces in the footprint area and revegetate with grass and indigenous trees	Not applicable: Construction and operation have yet to take place.	
Additional natural vegetation loss should be mitigated as much as possible through re-vegetation with suitable indigenous grass and indigenous trees		
Ensure that the footprint areas of the water management infrastructure are kept as small as possible and does not encroach further upon the wetland zone or associated buffer zones, where possible.		
Maintain groundwater monitoring program		
Operation phase impacts applicable to the proposed Blinkwater 2 TSF		
Additional natural vegetation loss should be mitigated as much as possible through re-vegetation with suitable indigenous grass and indigenous trees	Not applicable: Construction has only recently commenced, and operations of the expansion area has not yet commenced.	
Implement wetland protection measures detailed in section 14.10.1 and the WUL and implement remedial measures in areas within the mining right where erosion is occurring.		
Rehabilitate any open spaces in the footprint area, re-vegetate with indigenous grass and indigenous trees		
Rehabilitate flows to the site, manage areas of identified erosion, and vegetate exposed soils within the footprint area		
Operation phase impacts applicable to the proposed Buffer Dam		
Additional natural vegetation loss should be mitigated as much as possible through re-vegetation with suitable indigenous grass and indigenous trees	Not applicable: The buffer dam is still under construction and is not yet operational.	

Description of impact and management	Findings/observations	Action plan
Manage areas of identified erosion, and vegetate exposed soils within the footprint area		
Rehabilitate any open spaces in the footprint area and revegetate with indigenous grass and indigenous trees		
Ensure that the footprint area of the expansion section is as small as possible		
Operation phase impacts applicable to the proposed North Waste Rock Dump		
Rehabilitate any open spaces in the footprint area and revegetate with indigenous grass and indigenous trees	Non-compliance: Construction has completed and the WRD is operational however there are still bare areas that need to be rehabilitated or revegetated. <u>Audit trail/supporting documentation:</u> Observations on-site	Ensure that bare areas are rehabilitated at the North WRD. <u>Responsible person:</u> ECO/mine manager <u>Timeframe:</u> Before next audit
Ensure that the footprint area of the expansion section is as small as possible	Full compliance: The North WRD has been constructed on the approved footprint area. <u>Audit trail/supporting documentation:</u> Observations on-site Figure 3.3-1: North WRD designs	
Manage areas of identified erosion, and vegetate exposed soils within the footprint area	Non-compliance: Erosion was observed on topsoil stockpiles and the stockpiled were sparsely vegetated if at all. <u>Audit trail/supporting documentation:</u> Figure 3.2-1: Topsoil stockpiles	Ensure that all erosion measures are implemented on topsoil stockpiles. Ensure that erosion is monitored frequently for topsoil stockpiles. <u>Responsible person:</u> ECO/mine manager

Description of impact and management	Findings/observations	Action plan
		<u>Timeframe:</u> Ongoing
Operation phase impacts applicable to the proposed Contractors Camp		
Additional natural vegetation loss should be mitigated as much as possible through re-vegetation with suitable indigenous grass and indigenous trees	Not applicable: There is no contractor's camp constructed on-site.	
Contaminated runoff must be contained and re-used		
Manage areas of identified erosion, and vegetate exposed soils within the footprint area		
Where practical allow for faunal species to move through fences		
Operation phase impacts applicable to the proposed Contractors' Laydown Area		
Rehabilitate any open spaces in the footprint area and revegetate with indigenous grass and indigenous trees	Full compliance (with notes): The construction of the laydown area is taking place within the approved footprint area and no areas outside of this footprint have been disturbed by activities. Once construction has been completed then it will be feasible for the mine to rehabilitate bare areas. No erosion was observed. <u>Audit trail/supporting documentation:</u> Observations on-site	
Additional natural vegetation loss should be mitigated as much as possible through re-vegetation with suitable indigenous grass and indigenous trees		
Manage areas of identified erosion, and vegetate exposed soils within the footprint area		
Contaminated runoff must be contained and re-used	Unable to verify: Mine personnel were not able to confirm whether this takes place.	
Operation phase impacts applicable to the proposed Workshop Expansion and Change house		
Rehabilitate remaining habitat	Not applicable: The applications for this project have not been submitted yet and no activities have commenced.	
Additional natural vegetation loss should be mitigated as much as possible through re-vegetation with suitable indigenous grass and indigenous trees		
Rehabilitate any open spaces in the footprint area and revegetate with indigenous grass and indigenous trees		
Ensure that the footprint area of the expansion section is as small as possible		

Description of impact and management	Findings/observations	Action plan
Manage areas of identified erosion, and vegetate exposed soils within the footprint area Rehabilitate flows to the site, manage areas of identified erosion, and vegetate exposed soils within the footprint area		
Operation phase impacts applicable to the proposed Groot Sandsloot River diversion		
Rehabilitate any open spaces in the footprint area and revegetate with indigenous grass and indigenous trees	Not applicable: Construction has yet to commence.	
Additional natural vegetation loss should be mitigated as much as possible through re-vegetation with suitable indigenous grass and indigenous trees		

3.3.1 Supporting documentation

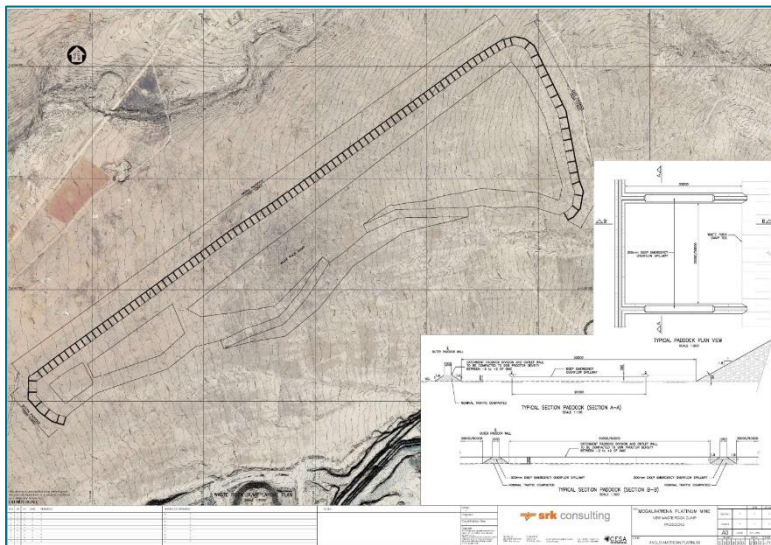


Figure 3.3-1: North WRD designs



Figure 3.3-2: North WRD upstream berms



Figure 3.3-3: Road berm

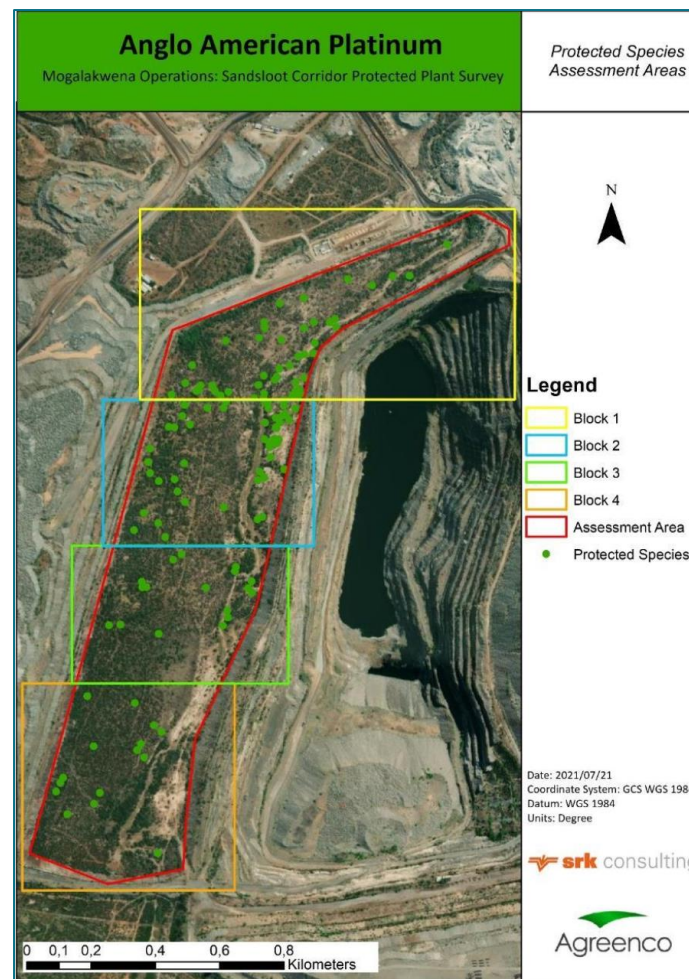


Figure 3.3-4: Protected plant locations



Figure 3.3-5: Alien invasive species management plan

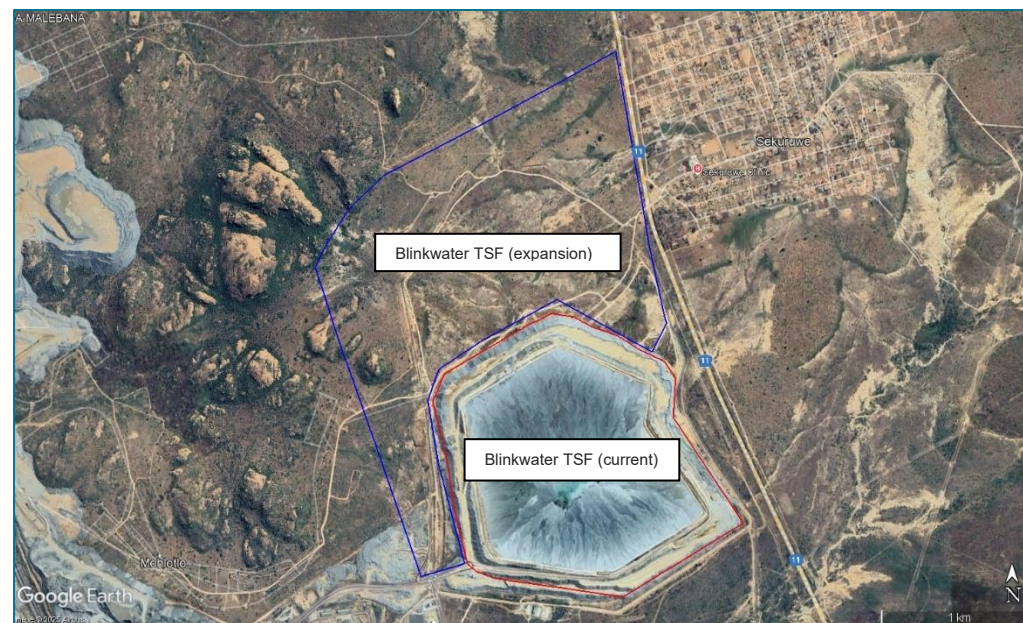


Figure 3.3-5: Google Earth image of Blinkwater 2 expansion area



Figure 3.3-6: Blinkwater 2 TSF berm and stormwater trench

PLATINUM

October 2024

Mogalakwena Complex | SHE Talk Topic

Safety

Prevention of incidents

We achieved scratch free month in September. We need to recognise what we did well and where we still have challenges.

We need to continue doing the following:

1. Stop for safety for various sections
2. Improved communication between teams (i.e. production and engineering)
3. Adherence to traffic management rules
4. Reporting of unsafe conditions
5. Application of Section 22 & 23 of MHSA

Challenges:

6. Improved change management
7. Direct supervision when conducting high risk tasks
8. Proper planning for the task
9. Conducting quality PTO and VFL
10. Embedding the new SLAM booklet – focus on critical controls

The cost of incident far outweight the time we could have stopped and fix the unsafe acts and conditions.

WORK SAFE SAFETY STARTS WITH YOU!

Health

Occupational hygiene stressors

Several occupational hygiene stressors are found or present at Mogalakwena Complex and employees may be exposed to them on daily basis.

The stressors include amongst others:

- Hazardous chemical agents (dust, welding fumes and silica)
- Noise, Illumination and thermal stressors (heat and cold)
- Hazardous chemical agents (HCA)
- HCAs monitored at Mogalakwena Complex (such as welding fumes, sulfur dioxide, coal tar pitch volatiles, nickel, diesel particulate matters, coal and silica dust)
- All HCAs are monitored in accordance to NIOSH methods and ISO standards in compliance with Regulation 6 and Table 2 & 3 of Hazardous Chemical Agents Regulation from Occupational Health and Safety Act 85 of 1993.

Noise: Both area noise and personal noise are monitored in accordance with SANS 10083 code in order to comply with the requirements of Regulation 3 of Noise Induced Hearing Loss Regulations.

Illumination: Regulation 3 of environmental regulations for workplaces requires that every employer shall cause every workplace in his undertaking to be lighted in accordance with the Illuminance values specified in the schedule of these regulations. Illumination is measured in accordance to SANS 1014:1 & 2 as well as SANS 10389.

Thermal stressors: Both heat and cold stressors are monitored as per the requirement of regulation 2 of Environmental Regulations for Workplaces and are measured in accordance with ISO standards.

All instruments used for compliance purposes are calibrated and only by SAHSA accredited facilities and measurements are taken using international approved methods.

Environment

Handling hazardous chemicals?

The mining sector is one of the most hazardous environments to work in.

Hazards include explosions, toxic gases and vapours, rockfalls, flooding and extreme temperatures. Toxic chemicals pose a risk to the health of miners worldwide.

Chemicals can impact body systems and organs, leading to disability, life-long illness and even death. Workers could be exposed to hazardous chemicals, which are used as part of a production process, generated by a process (as waste or as byproducts of the process), and used in maintenance activities.

Chemical absorption/exposures can see chemicals enter the body through inhalation, dermal absorption, ingestion, and injection.

Handling the hazardous materials

- Assess the risks that exist in the workplace.
- Provide employees with adequate training and information about the hazardous materials in their workplace (e.g. SDSs).
- Consider potential hazards and plan ahead.
- Always use the proper personal protection equipment.
- Ensure all hazardous materials are properly marked.
- Keep all hazardous materials stored properly (e.g. refer to compatibility chart).
- Only use hazardous materials for their intended purposes.
- Never eat or drink while handling hazardous materials.
- Employees handling hazardous materials should always read the labels to understand what they're working with.
- Report any concerns about damaged containers or potential leaks or spills.
- Refer to the procedure Hazardous Materials Management, ref. MS-SHE-HLM-STD-0002.

PLATINUM

April 2024

Mogalakwena Complex | SHE Talk Topic

Safety

Standing up for safety

In the second quarter of 2023, Mogalakwena Complex encountered what we termed 'the storm'. Beginning in April 2023, with a significant number of injuries recorded during the quarter. Similar occurrences were observed across the mining industry, with a number of fatalities reported.

Let's prevent injuries from happening.

When we "HOLD" (Hear), we ensure it's done safely!
 When walking, driving, or travelling, we prioritise thinking, planning, and paying attention. These aspects are integral to the job on the work field.

Hands SAFE at all times!
 When handling materials, be wary of objects that can pinch, chop, crush, twist, burn, or cut. Take care of your two best friends (fingers).

Eyes on our coworkers
 Where are they? What are they doing? Am I keeping them in my sight, ensuring their safety at all times? Consider the task they're performing and the supervision provided.

Off-site is on-site
 This applies to what we do and how we do it, encompassing our planning and execution of activities outside of work.

Same rule!
 Focus on high potential hazards (HPH). Avoid repetition. Always ask: "What if?" Anticipate potential problems, react, and correct them as they have already occurred, well before any injury is released! "See it, name it, act on it!" Stop work, address the HPH, and report for further learning.

Health

What is illumination?

Illumination is the amount of light present in a specific area or environment. Illumination is important for ensuring visibility and reducing the risk of accidents in the workplace.

The importance of good illumination:

Safety: Adequate lighting ensures that we can see, identify potential hazards, and recognise work environment safety.

Productivity: Proper lighting enhances productivity by reducing errors and allowing us to work more comfortably.

Changes of poor illumination

Increased risk of accidents: Poor lighting can obscure hazards, making it difficult to see potential dangers. This increases the risk of slips, trips, and falls, especially on uneven surfaces or clutter.

Strain and fatigue: Squinting or straining to see in poorly lit areas can lead to eye strain and fatigue. Over time, this can affect concentration, focus, and overall well-being.

How to ensure good illumination:

- Inspection and planned maintenance.
- Replacement of aged or non-operational lighting and clean light covers.
- Light diffusers to reduce glare.

Statutory requirements: The statutory requirements for illumination are outlined in the Health and Safety Act (HSA), Chapter 3, 1 (9) which states: "The employer must ensure that the illumination of all working places is sufficient to enable employees, who have complied with the requirements of the vision tests conducted in terms of the Guidelines for the Minimum Standards of Fitness to Perform Work at a time, to perform their work safely."

SANS 10114 specifies the minimum average values of illumination to be maintained in specific work areas.

Vehicle illumination: Chapter 15.3.2 of the HSA 29 of 1996 requires that all light emitting equipment on a vehicle or any self-propelled mobile machine shall be provided with light of sufficient intensity shining in the direction of travel to enable the driver to identify any dangerous conditions ahead and to stop the machine immediately.

All employees are encouraged to report any perceived substandard lighting to their supervisor, as well as to the electrical, safety, health and environment departments.

Environment

Prevention of chemical and hydrocarbon pillages

What are hydrocarbon/chemical spills?
 Hydrocarbon/chemical spills occur when hazardous materials are accidentally released into the environment, either as a solid, liquid, or gas. It's important to minimise these spills as much as possible. When spills do occur, they must be cleaned as soon as possible.

How to prevent spills?

- Store oil, fuel, and chemicals in safe areas with concrete floors and containment barriers.
- Conduct testing, repairs, and maintenance in designated areas with spill collection sumps.
- Use drip trays, tarpaulins, spill mats, or oil collection containers under ported equipment. Empty and clean drip trays frequently to prevent overflows.

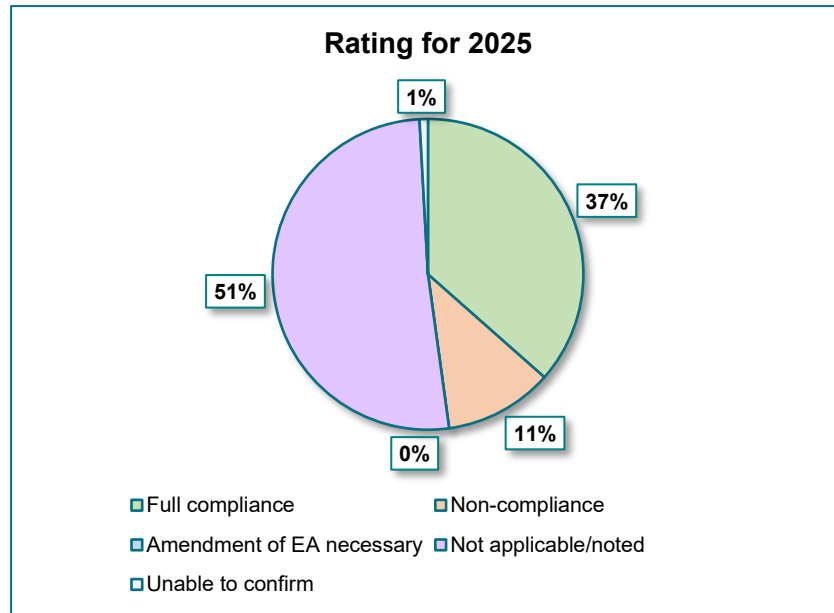
How to clean spills?

- Use absorbent materials like socks and cushions to contain and clean up spills on hard surfaces.
- Dispose of contaminated materials properly.
- For chemical spills, refer to safety instructions and report the spill immediately to the foreman/supervisor and the environmental department.

For further information, refer to the environmental procedure for hydrocarbon/chemical spill MS-SHE-ENV-FHQ-0015.

Figure 3.3-7: Spill handling and management awareness

3.3.2 Summary of compliances



3.4 Surface water

Description of impact and management	Findings/observations	Action plan
Pre-construction impacts applicable to all the proposed expansion activities during site clearing and grubbing of infrastructure areas		
The footprint of the proposed infrastructure area must be clearly demarcated to restrict vegetation clearing activities as far as practically possible	Full compliance: The expansion projects are currently taking place within the approved footprint areas which are clearly demarcated. Audit trail/supporting documentation: Observations on-site	
Vegetation clearing activities will be restricted to the demarcated infrastructure footprint area		

Description of impact and management	Findings/observations	Action plan
	Google Earth verification	
Vegetation clearance will be undertaken in a phased manner	Full compliance: Vegetation clearing only takes place where activities are taking place within the footprint areas. No unnecessary vegetation clearance was observed on-site. Audit trail/supporting documentation: Observations on-site Google Earth verification	
Clean water diversion bunds will be constructed upstream of the construction site prior to clearing areas for new infrastructure	Full compliance: Where expansion activities are underway, diversion berms and trenches have been constructed. Audit trail/supporting documentation: Observations on-site Figure 3.3-6: Blinkwater 2 TSF berm and stormwater trench	
Areas disturbed by pre-construction activities, which will not be required for construction, will be rehabilitated immediately on completion of construction of each area	Noted: All expansion activities are currently in the construction phase or have not yet commenced.	
Bunded containment and settlement facilities will be provided for hazardous materials, such as fuel and oil	Noted: All expansion activities are currently in the construction phase or have not yet commenced and so there is no such facilities yet in place or required. All HCSs¹² and diesel is kept on other sites at the mine.	
Spill-sorb or a similar product will be kept on site and used to clean up hydrocarbon spills in the event that they will occur	Full compliance: The vehicles have spill kits onboard and there are spill kits available on-site if required. Audit trail/supporting documentation:	

¹² Hazardous chemical substances

Description of impact and management	Findings/observations	Action plan
	Communication with mine personnel Figure 3.4-1: Spill kit	
The groundwater and surface water quality monitoring programme will continue in line with requirements of the WUL	Full compliance: The mine has surface and groundwater monitoring procedures that are being implemented on-site. <u>Audit trail/supporting documentation:</u> Figure 3.4-9: Groundwater monitoring procedure Figure 3.4-10: Surface water monitoring procedure Figure 3.4-11: Water monitoring report December 2024	
Sufficient on-site ablution, sanitation and waste management facilities will be provided	Full compliance: There is sufficient ablution and waste management facilities on-site. <u>Audit trail/supporting documentation:</u> Observations on-site	
Pre-construction impacts applicable to specific expansion activities including the 3rd Concentrator, Debottlenecking Plant, Blinkwater 2 TSF, Buffer Dam and North Waste Rock Dump		
Pre-construction impacts applicable to the 3rd Concentrator		
The footprint of the proposed infrastructure area must be clearly demarcated to restrict vegetation clearing activities as far as practically possible	Not applicable: This project is currently on hold and is yet to commence.	
Vegetation clearing activities will be restricted to the demarcated infrastructure footprint area		
Vegetation clearance will be undertaken in a phased manner		
Clean water diversion bunds will be constructed upstream of the construction site prior to clearing areas for new infrastructure		
Areas disturbed by pre-construction activities, which will not be required for construction, will be rehabilitated immediately on completion of construction of each area		

Description of impact and management	Findings/observations	Action plan
Bunded containment and settlement facilities will be provided for hazardous materials, such as fuel and oil		
Spill-sorb or a similar product will be kept on site and used to clean up hydrocarbon spills in the event that they will occur		
The groundwater and surface water quality monitoring programme will continue in line with requirements of the WUL		
Sufficient on-site ablution, sanitation and waste management facilities will be provided		
Where practical activities should be limited to months of low rainfall (dry season) to reduce probability of potential impact		
Areas disturbed by activities should be rehabilitated immediately on completion of each area		
Erosion control measures in the form of temporary erosion prevention berms should be implemented during construction		
Pre-construction impacts applicable to the proposed construction of the Debottlenecking Plant at the South Concentrator		
The footprint of the proposed infrastructure area must be clearly demarcated to restrict vegetation clearing activities as far as practically possible	Not applicable: This project has yet to commence.	
Vegetation clearing activities will be restricted to the demarcated infrastructure footprint area		
Vegetation clearance will be undertaken in a phased manner		
Clean water diversion bunds will be constructed upstream of the construction site prior to clearing areas for new infrastructure		
Areas disturbed by pre-construction activities, which will not be required for construction, will be rehabilitated immediately on completion of construction of each area		
Bunded containment and settlement facilities will be provided for hazardous materials, such as fuel and oil		

Description of impact and management	Findings/observations	Action plan
Spill-sorb or a similar product will be kept on site and used to clean up hydrocarbon spills in the event that they will occur		
The groundwater and surface water quality monitoring programme will continue in line with requirements of the WUL through all phases of the project		
Sufficient on-site ablution, sanitation and waste management facilities will be provided		
Pre-construction impacts applicable to the proposed construction of the North Waste Rock Dump		
Vegetation clearing activities will be restricted to the demarcated infrastructure footprint area	Full compliance: Vegetation clearance has only taken place on the approved footprint area. <u>Audit trail/supporting documentation:</u> Observations on-site Review of Google Earth imagery	
Pre-construction impacts applicable to the proposed construction of the Groot Sandsloot River diversion		
The footprint of the proposed infrastructure area must be clearly demarcated to restrict vegetation clearing activities as far as practically possible	Not applicable: No activities have commenced.	
Vegetation clearing activities will be restricted to the demarcated infrastructure footprint area		
Vegetation clearance will be undertaken in a phased manner		
Clean water diversion bunds will be constructed upstream of the construction site prior to clearing areas for new infrastructure		
Areas disturbed by pre-construction activities, which will not be required for construction, will be rehabilitated immediately on completion of construction of each area		
Bunded containment and settlement facilities will be provided for hazardous materials, such as fuel and oil		

Description of impact and management	Findings/observations	Action plan
Spill-sorb or a similar product will be kept on site and used to clean up hydrocarbon spills in the event that they will occur		
The groundwater and surface water quality monitoring programme will continue in line with requirements of the WUL		
Sufficient on-site ablution, sanitation and waste management facilities will be provided		
Construction impacts applicable to all the proposed expansion activities		
Where practical construction should take place in the low flow period (dry season) to reduce probability of potential impact	Full compliance: Construction activities occurring on-site were taking place during the dry season. <u>Audit trail/supporting documentation:</u> Observations on-site Communication with mine personnel	
Stormwater culverts at watercourse crossings should be designed and constructed to accommodate the 1:50 year storm event and emergency action plans should be drawn up to deal with spillages	Unable to verify: The culverts on-site at the river crossings seem to be able to handle a 1:50 year flood event however the mine could not produce the designs for the crossings. No flooding incidences have occurred at the crossings yet. <u>Audit trail/supporting documentation:</u> Observations on-site Communication with mine personnel	
Vegetation clearing activities will be restricted to the demarcated infrastructure footprint area	Full compliance: Vegetation was only cleared from approved sites where construction was occurring on-site. <u>Audit trail/supporting documentation:</u> Observations on-site	
The footprint of the proposed infrastructure area must be clearly demarcated to restrict vegetation clearing activities as far as practically possible		

Description of impact and management	Findings/observations	Action plan
	Review of Google Earth imagery	
Vegetation clearance will be undertaken in a phased manner	Full compliance: It was observed on-site that vegetation was only being cleared on areas of the approved sites where activities were taking place. The remainder of the expansion areas were still vegetated where no activities occurred. Audit trail/supporting documentation: Observations on-site Review of Google Earth imagery	
Clean water diversion bunds will be constructed upstream of the construction site prior to clearing areas for new infrastructure	Full compliance: Where expansion activities are underway, diversion berms and trenches have been constructed. Audit trail/supporting documentation: Observations on-site Figure 3.3-6: Blinkwater 2 TSF berm and stormwater trench	
Areas disturbed by pre-construction activities, which will not be required for construction, will be rehabilitated immediately on completion of construction of each area	Noted: Construction is still taking place on the expansion areas where activities have commenced.	
Bunded containment and settlement facilities will be provided for hazardous materials, such as fuel and oil	Noted: All expansion activities are currently in the construction phase or have not yet commenced and so there is no such facilities yet in place or required. All HCSs and diesel is kept on other sites at the mine.	
Spill-sorb or a similar product will be kept on site and used to clean up hydrocarbon spills in the event that they will occur	Full compliance: The vehicles have spill kits onboard and there are spill kits available on-site if required. Audit trail/supporting documentation:	

Description of impact and management	Findings/observations	Action plan
	Communication with mine personnel Figure 3.4-1: Spill kit	
The groundwater and surface water quality monitoring programme will continue in line with requirements of the Water Use Licence	Full compliance: The mine has surface and groundwater monitoring procedures that are being implemented on-site. <u>Audit trail/supporting documentation:</u> Figure 3.4-9: Groundwater monitoring procedure Figure 3.4-10: Surface water monitoring procedure Figure 3.4-11: Water monitoring report December 2024	
Sufficient on-site ablution, sanitation and waste management facilities will be provided	Full compliance: There is sufficient ablution and waste management facilities on-site. <u>Audit trail/supporting documentation:</u> Observations on-site	
Areas should be appropriately graded to prevent ponding. Stormwater measures should be appropriately designed to allow for free flow of water as per the Stormwater Management Plan for MM.	Full compliance: There was no ponding observed on-site. Stormwater management measures are being implemented on-site where expansion activities have commenced. <u>Audit trail/supporting documentation:</u> Observations on-site Figure 3.3-6: Blinkwater 2 TSF berm and stormwater trench	
Construction impacts applicable to the specific expansion activities		
Construction impacts applicable to the proposed construction of the 3rd Concentrator and Bulk Ore Sorter		
Contaminated runoff should be contained and reused as necessary e.g. for dust suppression	Not applicable: Construction has not yet commenced.	
Hazardous substances and potentially polluting materials should be stored in appropriately bunded areas located outside of the riparian zone		

Description of impact and management	Findings/observations	Action plan
Contractors should be made aware of the WUL conditions that apply during construction and made liable for environmental damages caused by spillages		
Emergency action plans should be developed to deal with spillages		
Avoid spillage from conveyors across the Mohlosane River		
Construction impacts applicable to the proposed construction of the Debottlenecking Plant at the South Concentrator		
Monitor all areas outside of the development footprints for erosion and incision	Not applicable: Construction has not yet commenced.	
Stormwater culverts at watercourse crossings should be designed and constructed to accommodate the 1:50 year storm event		
Emergency action plans should be developed to deal with spillages		
Adhere to the applicable requirements and conditions specified in the WUL		
Construction impacts applicable to the proposed construction the Blinkwater 2 TSF		
Vegetation clearing activities will be restricted to the demarcated infrastructure footprint area	Full compliance: The expansion of the Blinkwater TSF is currently taking place within the approved footprint areas which are clearly demarcated. <u>Audit trail/supporting documentation:</u> Observations on-site Figure 3.5-3: Blinkwater 2 TSF designs	
Where practical activities should be limited to months of low rainfall (dry season) to reduce probability of potential impact	Full compliance: Activities were taking place during the dry season. <u>Audit trail/supporting documentation:</u> Observations on-site	
Erosion control measures in the form of temporary erosion prevention berms should be implemented during construction.	Full compliance: Diversion berms and trenches have been constructed. No erosion was observed at the TSF facility.	

Description of impact and management	Findings/observations	Action plan
	<u>Audit trail/supporting documentation:</u> Observations on-site Figure 3.3-6: Blinkwater 2 TSF berm and stormwater trench	
Areas disturbed by construction activities should be rehabilitated immediately on completion of construction of each area	Noted: Construction is still underway.	
Contaminated runoff should be contained and reused as necessary e.g. for dust suppression	Full compliance: The TSF facility has a sump in place to collect stormwater from the area. <u>Audit trail/supporting documentation:</u> Figure 3.4-2: Blinkwater TSF sump	
Emergency action plans should be developed to deal with spillages	Full compliance: The mine has spill management procedures in place and mine personnel are trained on how to handle spillages. If spillages occur the contents of these procedures are followed, and remedial actions are developed to clean up the spillages. <u>Audit trail/supporting documentation:</u> Figure 3.2-5: Spill handling procedure Figure 3.3-7: Spill handling and management awareness Communication with mine personnel	
Contractors should be made aware of the WUL conditions that apply during construction and made liable for environmental damages caused by spillages	Non-compliance: Contractors are not made aware of the applicable IWUL conditions.	Ensure contractors are made aware of the IWUL ¹³ conditions during induction. <u>Responsible person:</u> ECO/mine manager

¹³ Integrated Water Use License

Description of impact and management	Findings/observations	Action plan
		Timeframe: Ongoing
Construction impacts applicable to the proposed construction of the North Waste Rock Dump and ore stockpiles		
Contaminated runoff should be contained and reused as necessary e.g. for dust suppression	Full compliance: The North WRD has paddocks in place to manage dirty stormwater runoff. If there is water available after a rainfall event it can be used for dust suppression. <u>Audit trail/supporting documentation:</u> Figure 3.4-8: North WRD designs	
Hazardous substances and potentially polluting materials should be stored in appropriately bunded areas located outside of the riparian zone	Not applicable: No HCS are stored at this facility.	
Construction impacts applicable to the proposed construction of the Groot Sandsloot River diversion		
Contractors should be made aware of the WUL conditions that apply during construction and made liable for environmental damages caused by spillages	Not applicable: Activities have not yet commenced.	
Vegetation clearing activities will be restricted to the demarcated infrastructure footprint area		
Erosion control measures in the form of temporary erosion prevention berms should be implemented during construction.		
Areas disturbed by construction activities should be rehabilitated immediately on completion of construction of each area		
Where practical activities should be limited to months of low rainfall (dry season) to reduce probability of potential impact		
All machinery and substances used on the site will be checked for leaks and otherwise properly maintained. Where leaks are found immediate action must be taken to stop the leaks. All contamination from leaks will be immediately removed and remediated.		

Description of impact and management	Findings/observations	Action plan
The river diversion will be developed in accordance with the design report submitted as part of the WUL		
The River diversion will be properly constructed and water will be returned to the natural course of the river immediately downstream of the construction site		
Paddocks should be constructed to minimise uncontrolled runoff from the site entering the clean water system		
The groundwater and surface water quality monitoring programme will continue in line with requirements of the WUL		
Operational impacts applicable to all the proposed expansion activities		
During normal operations dirty water should be contained in (pollution control dams) PCD ¹⁴ s designed to handle the 1:50 year event and enable settlement of solids in the contained water prior to reuse	Full compliance: There are sumps and PCDs in place for expansion activities that are currently being undertaken and for future expansion activities. Stockpiles have channels that lead to the PCDs and the PCDs are able to handle a 1:50 year flood event with a freeboard of 0.8 m. <u>Audit trail/supporting documentation:</u> Figure 3.4-2: Blinkwater TSF sump Figure 3.4-3: South concentrator PCD Figure 3.4-4: North concentrator PCD Figure 3.4-5: Return water dam Figure 3.4-6: Buffer dam	
Dirty water should be contained in pollution control or return water dams designed to enable settlement of solids and handle the 1:50 year event with a minimum freeboard of 0.8 metres above full supply level. Stockpile areas are also lined with concrete to reduce seepage to the groundwater and have channels associated with them to divert dirty water to the new PCD for the M3C		
Operational impacts applicable to the specific expansion activities		
Operation phase impacts applicable to the proposed Blinkwater 2 TSF		
During normal operations dirty water should be contained in (pollution control dams) PCDs designed to handle the 1:50 year event and enable settlement of solids in the contained water prior to reuse	Full compliance: The Blinkwater TSF has a sufficient sump in place. <u>Audit trail/supporting documentation:</u>	

¹⁴ Pollution control dam

Description of impact and management	Findings/observations	Action plan
	Figure 3.4-2: Blinkwater TSF sump	
Clean water diversions, designed to handle the 1:50 year storm event, should be constructed to divert water away from TSF and Workshop area and return it to the natural environment	Full compliance: There are diversion trenches and berms around the Blinkwater TSF area that have been constructed to handle a 1:50 year flood event. Audit trail/supporting documentation: Observations on-site Figure 3.3-6: Blinkwater 2 TSF berm and stormwater trench	
Operation phase impacts applicable to the proposed Buffer Dam		
The buffer dam has been designed to accommodate 1:50 year capacity with freeboard of 0.8 m. Operation of the dam must be in line with the design levels	Full compliance: The buffer dam has been designed to handle a 1:50 year flood event and will have a freeboard of 0.8 m. Audit trail/supporting documentation: Figure 3.4-7: Buffer dam designs	
Operation phase impacts applicable to the proposed North Waste Rock Dump		
Paddocks should be constructed to minimise uncontrolled runoff from the site entering the clean water system	Full compliance: There are paddocks in place for the WRD. Audit trail/supporting documentation: Figure 3.4-8: North WRD designs	
Paddocks must be monitored and cleared as needed	Non-compliance: According to mine personnel, the paddocks are monitored on a regular basis and cleaned if required. However, such monitoring inspections were not provided by the mine. Audit trail/supporting documentation: Communication with mine personnel	Compile inspection reports for the North WRD paddocks and other relevant environmental and stormwater infrastructure inspections. Responsible person: ECO/mine manager Timeframe:

Description of impact and management	Findings/observations	Action plan
		Ongoing
The facility must be designed to accommodate 1:50 year storm event.	Full compliance: The facility is designed to withstand a 1:50 year flood event. <u>Audit trail/supporting documentation:</u> Figure 3.4-8: North WRD designs	
Reduction of unoccupied footprint area which may alter catchment hydrology	Notes: The entire approved footprint is being used.	
Operation phase impacts applicable to the proposed Groot Sandsloot River diversion		
During the operational phase of the mine, implement a storm water management plan which adheres to GN 704 requirements in terms of separation of clean and dirty water is required so as to ensure no mixing of clean and dirty water occurs	Not applicable: Activities have not yet commenced.	
During the operational phase of the mine, implement a SWMP ¹⁵ , which adheres to GN 704 requirements in terms of separation of clean and dirty water is required, so as to ensure no mixing of clean and dirty water occurs		
The WRD along the edge of the diversion will require the construction of paddocks.		
Closure/rehabilitation phase impacts applicable to all the proposed expansion activities		
All rehabilitation activities should be monitored until vegetation is well established and no further surface water quality impacts are deemed likely	Not applicable: Closure and rehabilitation have not commenced.	
Post-closure phase impacts applicable to all the proposed expansion activities		
Surface water quality should not be further impacted by any of the post-closure activities.	Not applicable: Closure has not commenced.	
Post-closure phase impacts applicable to the specific expansion activities		
Post-closure phase impacts applicable to the proposed construction of the 3rd Concentrator		
Implement post closure monitoring as detailed in Section 31.4.6	Not applicable:	

¹⁵ Stormwater management plan

Description of impact and management	Findings/observations	Action plan
	Closure has not commenced.	
Post-closure phase impacts applicable to the proposed construction the Blinkwater 2 TSF and North WRD		
Implement post closure monitoring as detailed in Section 31.4.6	Not applicable: Closure has not commenced.	

3.4.1 Supporting documentation



Figure 3.4-1: Spill kit



Figure 3.4-2: Blinkwater TSF sump



Figure 3.4-3: South concentrator PCD



Figure 3.4-4: North concentrator PCD



Figure 3.4-5: Return water dam

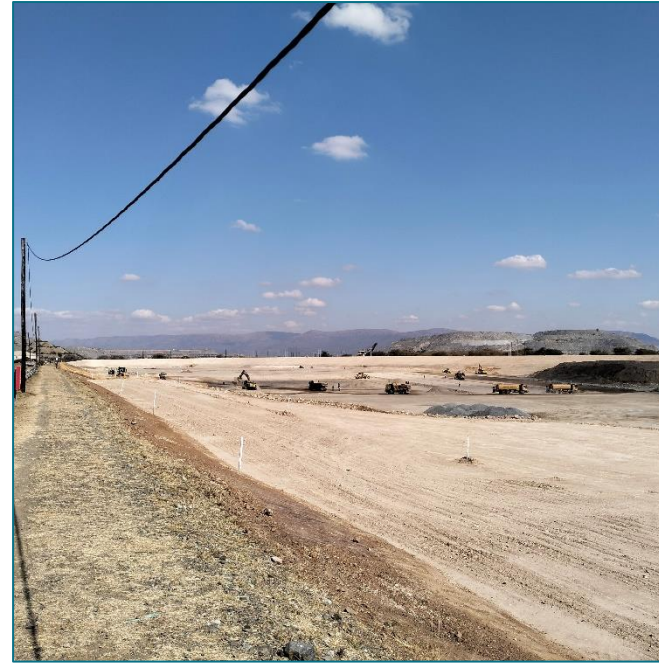


Figure 3.4-6: Buffer dam

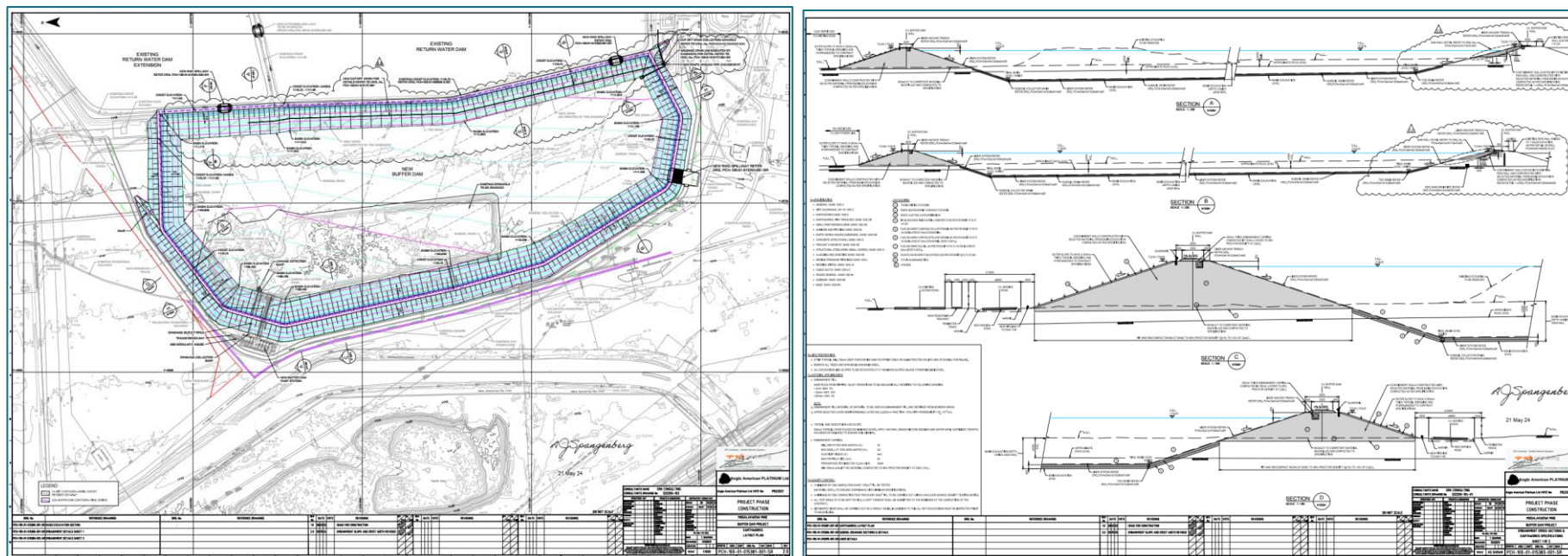
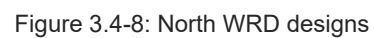


Figure 3.4-7: Buffer dam designs





OPERATIONAL PROCEDURE

MOGALAKWENA MINE

GROUND WATER MONITORING

VERSION: 11.0

LAST REVISION DATE: 13 August 2025

FIRST IMPLEMENTATION DATE: 25 August 2007

REFERENCE NUMBER: MS-SHE-ENV-PRO-0009

OLD REFERENCE NUMBER: N/A

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REVIEWED BY:	Kholofelo Machoga	FTHSR – MSC		14/08/25
REVIEWED BY:	Cedric Tseane	FTHSR – MNC		14/08/25
REVIEWED BY:	Daniel Pale	FTHSR – Engineering		14/08/25
REVIEWED BY:	Clenet Mmatli	Act. FTHSR – Mining		14/08/25
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APPROVED BY:	Herman Kemp	Act. General Manager - Concentrators		14/08/25
APPROVED BY:	Kobus van den Berg	Snr. General Manager		20/08/25

Figure 3.4-9: Groundwater monitoring procedure



OPERATIONAL PROCEDURE

MOGALAKWENA MINE

SURFACE WATER MONITORING

VERSION: 11.0

LAST REVISION DATE: 13 August 2025

FIRST IMPLEMENTATION DATE: 23 August 2007

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APPROVED BY:	Herman Kemp	Act. General Manager - Concentrators		14/08/25
APPROVED BY:	Kobus van den Berg	Snr. General Manager		20/08/25

Contents

Figure 3.4-10: Surface water monitoring procedure

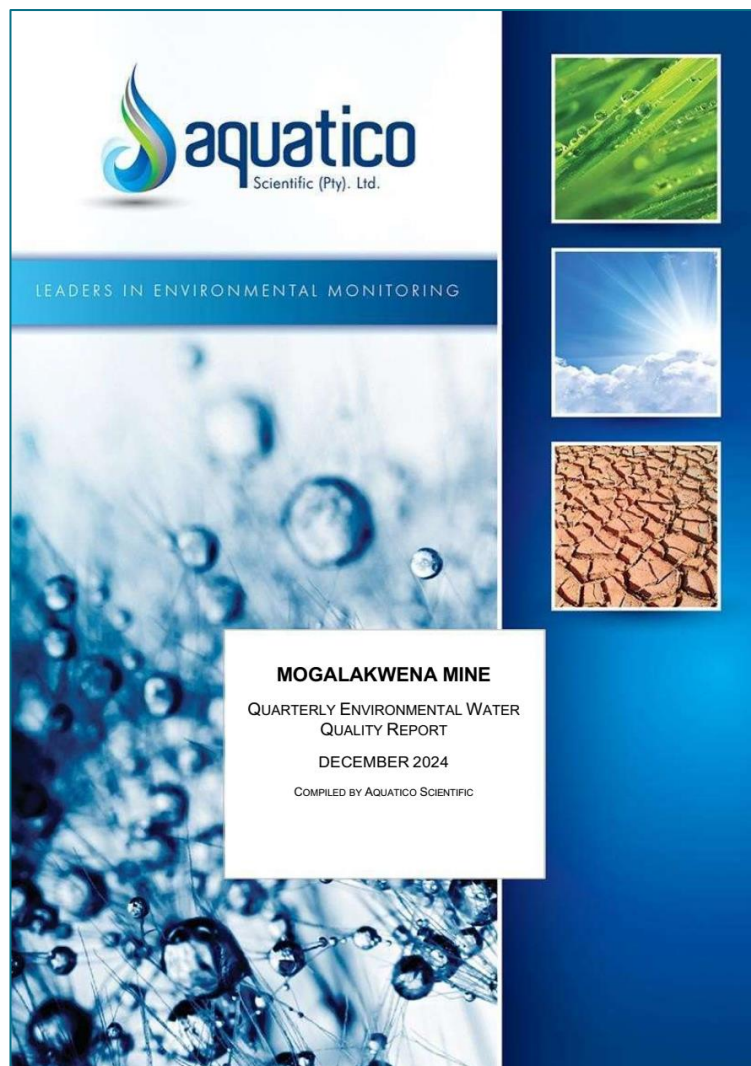
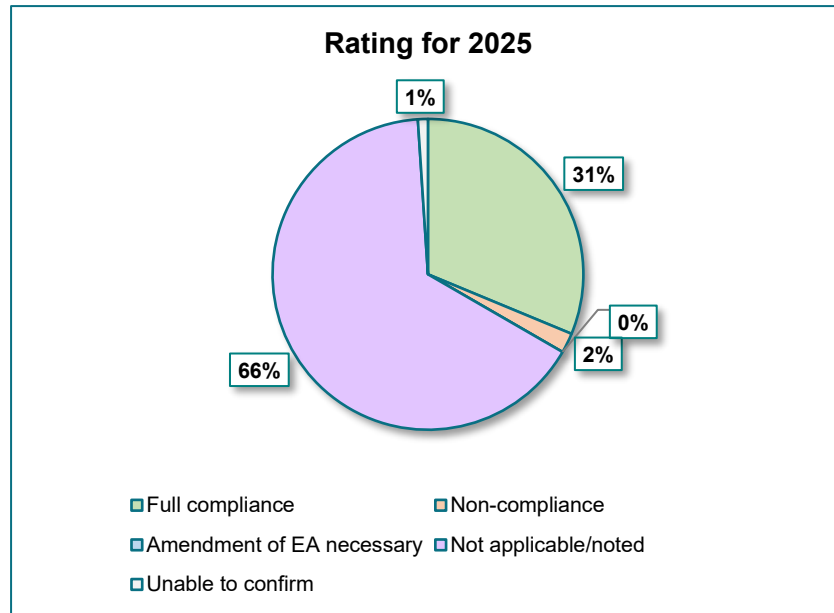


Figure 3.4-11: Water monitoring report December 2024

3.4.2 Summary of compliances



3.5 Groundwater

Description of impact and management	Findings/observations	Action plan
Pre-construction impacts applicable to all the proposed expansion activities during site clearing and grubbing of infrastructure areas		
The footprint of the proposed infrastructure area must be clearly demarcated to restrict vegetation clearing activities as far as practically possible	Full compliance: Activities have only taken place within the approved expansion activities thus far. Audit trail/supporting documentation: Error! Reference source not found.Observations on-site	

Description of impact and management	Findings/observations	Action plan
	Review of Google Earth imagery	
Adequate storm water management associated with the proposed infrastructure should be implemented as detailed in Section 8.26 of the EMP	Full compliance: Where expansion activities have commenced stormwater infrastructure such as trenches, paddocks, sumps, and berms have been implemented as far as possible. Audit trail/supporting documentation: Error! Reference source not found.Observations on-site	
It is recommended that any additional groundwater monitoring points/boreholes required in the WUL (as part of the water monitoring network) should be installed before the starting of the construction activities on site, were practically possible	Full compliance: According to mine personnel, all boreholes have been drilled and installed. The groundwater impact assessment has also indicated these borehole positions. Audit trail/supporting documentation: Error! Reference source not found.Figure 3.5-1: Borehole locations	
Construction impacts applicable to all the proposed expansion activities		
Prevention of contamination through hazardous material spills and leaks through the implementation of vehicle maintenance plans	Full compliance: According to mine personnel, vehicle maintenance is done by the contractors or is performed in designated and bunded areas on a regular basis. The mine also has spill management procedures in place in the case of any spillages. Mine personnel are also trained on HCS spillages. Audit trail/supporting documentation: Figure 3.2-5: Spill handling procedure Figure 3.3-7: Spill handling and management awareness	
Undertake effective, timeous spills management and clean-up Implement a staff and contractor awareness training programme		
Undertake effective mechanical maintenance on all critical equipment to prevent leaks, abnormalities and risk of failure		
Provide adequate secondary containment measures associated with pollution point sources	Full compliance: The mine has sumps and paddocks in place as well as leak detection systems at all necessary expansion activities.	

Description of impact and management	Findings/observations	Action plan
	<u>Audit trail/supporting documentation:</u> Figure 3.4-7: Buffer dam designs Figure 3.4-6: North WRD designs	
The footprint of the proposed infrastructure area must be clearly demarcated to restrict vegetation clearing activities as far as practically possible	Full compliance: Activities have only taken place within the approved expansion activities thus far. <u>Audit trail/supporting documentation:</u> Error! Reference source not found. Observations on-site Review of Google Earth imagery	
Adequate storm water management associated with the proposed infrastructure should be implemented as detailed in Section 8.26 and the Stormwater Management Plan submitted as part of the WULA ¹⁶	Full compliance: Where expansion activities have commenced stormwater infrastructure such as trenches, paddocks, sumps, and berms have been implemented as far as possible. <u>Audit trail/supporting documentation:</u> Error! Reference source not found. Observations on-site	
Construction impacts applicable to the specific expansion activities		
Construction impacts applicable to the proposed construction the Blinkwater 2 TSF		
Development and implementation of scavenger wells planned around the TSF	Full compliance: The scavenger wells have been installed. <u>Audit trail/supporting documentation:</u> Error! Reference source not found. Figure 3.5-1: Borehole locations	
Develop and implement appropriate groundwater monitoring programme monitoring the effectiveness of scavenger wells and if not effective evaluate other alternatives.	Full compliance: Groundwater monitoring takes place as per the groundwater monitoring programme. The mine has scavenger wells in place.	

¹⁶ Water Use License Application

Description of impact and management	Findings/observations	Action plan
	<u>Audit trail/supporting documentation:</u> Figure 3.4-9: Groundwater monitoring procedure Figure 3.4-11: Water monitoring report December 2024 Figure 3.5-8: Blinkwater 2 TSF scavenger wells	
Design of Blinkwater 2 TSF must investigate the diversion of the Mohlosane River channel around the footprint of Blinkwater 2 TSF to effectively separate clean and dirty water	Full compliance: The Mohlosane River has been diverted around the Blinkwater 2 TSF. <u>Audit trail/supporting documentation:</u> Error! Reference source not found. Figure 3.5-2: Mohlosane River diversion channel	
Consideration to be given to the feasibility of a sub-surface drain below the liner/barrier system to capture clean groundwater and prevent it from being contaminated from the unlined Blinkwater TSF	Full compliance: There are subsurface drains underneath the TSF to prevent contamination of the clean groundwater. <u>Audit trail/supporting documentation:</u> Error! Reference source not found. Figure 3.5-3: Blinkwater 2 TSF designs	
Construction impacts applicable to the proposed construction of the Buffer Dam		
Undertake necessary classification of the cumulative waste streams that will be stored in buffer dam	Non-compliance: The 2023 audit indicated that a waste classification was done in 2018. However, waste classification reports and assessments of the waste streams to be stored in the buffer dam was not provided by the mine. Further, this waste classification is more than 5 years old and therefore a new waste classification needs to be conducted.	Conduct waste classifications for the waste streams to be stored in the buffer dam. <u>Responsible person:</u> Mine management <u>Timeframe:</u> Before next audit
Design and implement appropriate barrier system pending classification (Refer to Section 6.2.1 for details regarding the barrier system)	Full compliance:	

Description of impact and management	Findings/observations	Action plan
	The barrier system of the buffer dam conforms to the requirements of the waste classification of Type 3 waste. <u>Audit trail/supporting documentation:</u> Figure 3.4-7: Buffer dam designs	
Implement scavenger well design to include wells to capture seepage in case of leakage, downgradient of Buffer Dam	Full compliance: The scavenger wells have been installed on-site. <u>Audit trail/supporting documentation:</u> Figure 3.5-1: Borehole locations	
Implement ground water monitoring programme as per the requirements of the WUL	Full compliance: Groundwater monitoring takes place as per the groundwater monitoring programme. <u>Audit trail/supporting documentation:</u> Figure 3.4-9: Groundwater monitoring procedure Figure 3.4-11: Water monitoring report December 2024	
Construction impacts applicable to the proposed construction of the North Waste Rock Dump and ore stockpiles		
Prior to final technical design and construction of Waste Rock Dump, investigate the extent, depth and permeability of the NM and Drenthe Faults (geophysics and drilling) which have been delineated within the proposed footprint and extrapolated link to the Witrivier	Full compliance: According to mine personnel this was done as part of the EIA/EMP. <u>Audit trail/supporting documentation:</u> Communication with mine personnel	
Pending the outcome of this investigation, finalise technical design and specifications. Should the design specification change significantly, obtain approval from DWS ¹⁷ - Civil Design	Full compliance: The designs of the North WRD took this investigation into consideration and the construction is taking place as per the designs. <u>Audit trail/supporting documentation:</u>	

¹⁷ Department of Water and Sanitation

Description of impact and management	Findings/observations	Action plan
	Figure 3.4-8: North WRD designs	
Implement clean water/dirty water infrastructure to contain dirty water runoff from the waste rock dump in appropriately designed facility as detailed in the North WRD design report and according the requirements of the WUL	Full compliance: Berms ensure that clean water runoff does not enter the WRD. Paddocks have been installed to capture dirty water runoff from the facility. Audit trail/supporting documentation: Figure 3.4-8: North WRD designs Figure 3.3-2: North WRD upstream berms	
Implement ground water monitoring programme as per the requirements of the WUL	Full compliance: Groundwater monitoring takes place as per the groundwater monitoring programme. Audit trail/supporting documentation: Figure 3.4-9: Groundwater monitoring procedure Figure 3.4-11: Water monitoring report December 2024	
Optimise blasting procedures to minimise explosive residues	Full compliance: The mine has blasting procedures in place that ensure explosive residues are minimised. Audit trail/supporting documentation: Figure 3.5-4: Blasting procedure	
Operational impacts applicable to all the proposed expansion activities		
Undertake door to door hydro census annually within 1 km radius to identify and quantify groundwater users in close proximity to the mine	Non-compliance: The mine has conducted a hydro census; however this is not done on an annual basis. Audit trail/supporting documentation: Figure 3.5-5: Hydrocensus	Conduct an annual hydro census within a 1 km radius of the expansion activities. Responsible person: Geohydrologist

Description of impact and management	Findings/observations	Action plan
		Timeframe: Annually
Consider installing monitoring boreholes within communities with real time data loggers to quantify localised drawdown due to increasing usage from community boreholes	Full compliance: According to mine personnel, these boreholes have been installed in the communities. Audit trail/supporting documentation: Figure 3.5-1: Borehole locations	
Develop a dewatering strategy to harvest the clean water around the pit area prior to mining to prevent the groundwater from becoming contaminated should it end up as fissure water in the pit	Full compliance: Scavenger boreholes have been installed around the pits where necessary. Audit trail/supporting documentation: Figure 3.5-1: Borehole locations	
Update numerical flow model with data and update dewatering strategy to correlate with the mine plans and schedule	Full compliance: The mine updated the groundwater flow model for the expansion activities. Audit trail/supporting documentation: Figure 3.5-6: Groundwater flow model	
The monitoring network must be consistent with mine development and as monitoring boreholes are mined out they must be replaced to ensure that there are always monitoring points between the mine pits and potential groundwater users in the communities	Full compliance: Boreholes have been installed around the pits where necessary. According to mine personnel, none of these have been removed yet. Audit trail/supporting documentation: Figure 3.5-1: Borehole locations	
Prevent spillages of any hazardous materials during the use, handling, transportation and storage thereof during all activities	Full compliance: The mine also has spill management procedures in place in the case of any spillages. Mine personnel are also trained on HCS spillages. Audit trail/supporting documentation:	
Implementation and maintenance of awareness and training programme		

Description of impact and management	Findings/observations	Action plan
	Figure 3.2-5: Spill handling procedure Figure 3.3-7: Spill handling and management awareness	
Maintain an effective groundwater monitoring programme	Full compliance: Groundwater monitoring takes place as per the groundwater monitoring programme. <u>Audit trail/supporting documentation:</u> Figure 3.4-9: Groundwater monitoring procedure Figure 3.4-11: Water monitoring report December 2024	
Update of groundwater flow and transport model	Full compliance: The mine updated the groundwater flow model for the expansion activities. <u>Audit trail/supporting documentation:</u> Figure 3.5-6: Groundwater flow model	
Maintain and update scavenger well plan	Full compliance: Scavenger boreholes have been installed around the pits where necessary. <u>Audit trail/supporting documentation:</u> Figure 3.5-1: Borehole locations	
Maintain and update dewatering plan		
Maintain and update the stormwater management plan	Full compliance: The mine has a stormwater management plan in place that is being implemented on-site. <u>Audit trail/supporting documentation:</u> Figure 3.5-9: Stormwater management plan	
Undertake an annual hydro census within 1 km radius to quantify impacts of densification on groundwater resources	Non-compliance: The mine has conducted a hydro census; however this is not done on an annual basis.	Conduct an annual hydro census within a 1 km radius of the expansion activities.

Description of impact and management	Findings/observations	Action plan
	<u>Audit trail/supporting documentation:</u> Figure 3.5-5: Hydrocensus	<u>Responsible person:</u> Geohydrologist <u>Timeframe:</u> Annually
Operational impacts applicable to the specific expansion activities		
Operation phase impacts applicable to the proposed 3rd Concentrator		
Maintain groundwater monitoring program	Not applicable: This facility has not yet been constructed.	
Update contaminant flow and transport model with monitoring data		
Pending spatial and temporal trend analysis, investigate and implement alternative mitigation measures if and when required		
Operation phase impacts applicable to the proposed Blinkwater 2 TSF		
Maintain groundwater monitoring program	Full compliance: Groundwater monitoring takes place as per the groundwater monitoring programme. <u>Audit trail/supporting documentation:</u> Figure 3.4-9: Groundwater monitoring procedure Figure 3.4-11: Water monitoring report December 2024	
Update contaminant flow and transport model with monitoring data	Full compliance: The mine updated the groundwater flow model for the expansion activities. <u>Audit trail/supporting documentation:</u> Figure 3.5-6: Groundwater flow model	
Pending spatial and temporal trend analysis, investigate and implement alternative mitigation measures if and when required	Noted: No such measures required.	
Concurrent rehabilitation and intra-benching of the TSF as to reduce run-off	Not applicable: The Blinkwater 2 TSF is still being constructed.	Ensure that concurrent rehabilitation and intra-

Description of impact and management	Findings/observations	Action plan
		benching of the TSF is done once fully operational. <u>Responsible person:</u> Mine manager <u>Timeframe:</u> Annually
Develop a scavenger well management plan including borehole logs	Non-compliance: The mine has implemented scavenger wells for the Blinkwater 2 TSF. However, a scavenger well management plan could not be provided by the mine and therefore the effectiveness of the scavenger wells could not be evaluated. <u>Audit trail/supporting documentation:</u> Figure 3.5-8: Blinkwater 2 TSF scavenger wells	Compile a scavenger well management plan for the Blinkwater 2 TSF scavenger wells. <u>Responsible person:</u> Mine manager <u>Timeframe:</u> Before next audit
Quantify the effectiveness of scavenger wells in abstracting the seepage component using hydrochemistry with isotopes in a mass balance approach		
Include boreholes in WUL if shown to be abstracting groundwater resources as well as seepage	Full compliance: All applicable boreholes are included in the approved IWUL. <u>Audit trail/supporting documentation:</u> Figure 3.5-7: Approved IWUL	
Operation phase impacts applicable to the proposed Buffer Dam		
Maintain groundwater monitoring program and update contaminant flow and transport model with monitoring data	Full compliance: The mine updated the groundwater flow model for the expansion activities. <u>Audit trail/supporting documentation:</u> Figure 3.5-6: Groundwater flow model	

Description of impact and management	Findings/observations	Action plan
Pending spatial and temporal trend analysis, investigate and implement alternative mitigation measures if and when required	Noted: No such measures required.	
Operation phase impacts applicable to the proposed North Waste Rock Dump		
Maintain groundwater monitoring program	Full compliance: Groundwater monitoring takes place as per the groundwater monitoring programme. <u>Audit trail/supporting documentation:</u> Figure 3.4-9: Groundwater monitoring procedure Figure 3.4-11: Water monitoring report December 2024	
Update contaminant flow and transport model with monitoring data	Full compliance: The mine updated the groundwater flow model for the expansion activities. <u>Audit trail/supporting documentation:</u> Figure 3.5-6: Groundwater flow model	
Pending spatial and temporal trend analysis, investigate and implement alternative mitigation measures if and when required	Noted: No such measures required.	
Concurrent rehabilitation and intra-benching of the WRD as to reduce run-off	Full compliance: The North WRD has only been recently operational however benching of the facility was observed on-site. <u>Audit trail/supporting documentation:</u> Observations on-site Figure 3.7-2: North WRD	
Closure/rehabilitation phase impacts applicable to all the proposed expansion activities		
Implementation of a rehabilitation and closure plan which allows for measures to be implemented that reduce rainwater ingress and infiltration	Not applicable: Closure is not yet taking place for expansion activities.	
Maintenance of groundwater monitoring programmes and ensure effective follow-up and remedial action based on results		

Description of impact and management	Findings/observations	Action plan
Effective remediation of all disturbed areas		
Effective and legal remediation of all areas where there are demolition activities		
Decommission scavenger wells		
Develop a long term handover strategy of the wellfields to communities as part of CSI ¹⁸ projects		
Evaluate sustainable usage of pit lakes as resource and possibly MAR ¹⁹ , depending on final pit lake water quality		
Post-closure phase impacts applicable to all the proposed expansion activities		
Improved understanding of groundwater flow and flow regimes - Continued understanding of impacts to groundwater resources	Not applicable: Closure is not yet taking place for expansion activities.	
Maintenance of monitoring programme for an adequate period of time to be confident in the determination of impact.		
Post-closure phase impacts applicable to the specific expansion activities		
Post-closure phase impacts applicable to the proposed construction the Blinkwater 2 TSF and North WRD		
Maintain an effective groundwater monitoring programme for an adequate time period to be confident in the determination of impacts	Not applicable: Closure is not yet taking place for expansion activities.	
Ensure effective surface and stormwater management post closure		
Demonstrating, through review of monitoring data and/or predicted modelling, if required, that the effect of contaminant plumes that could be arising and/or are already evident from disposal areas could be remediated by natural attenuation		

¹⁸ Corporate social investment¹⁹ Managed aquifer recharge

3.5.1 Supporting documentation

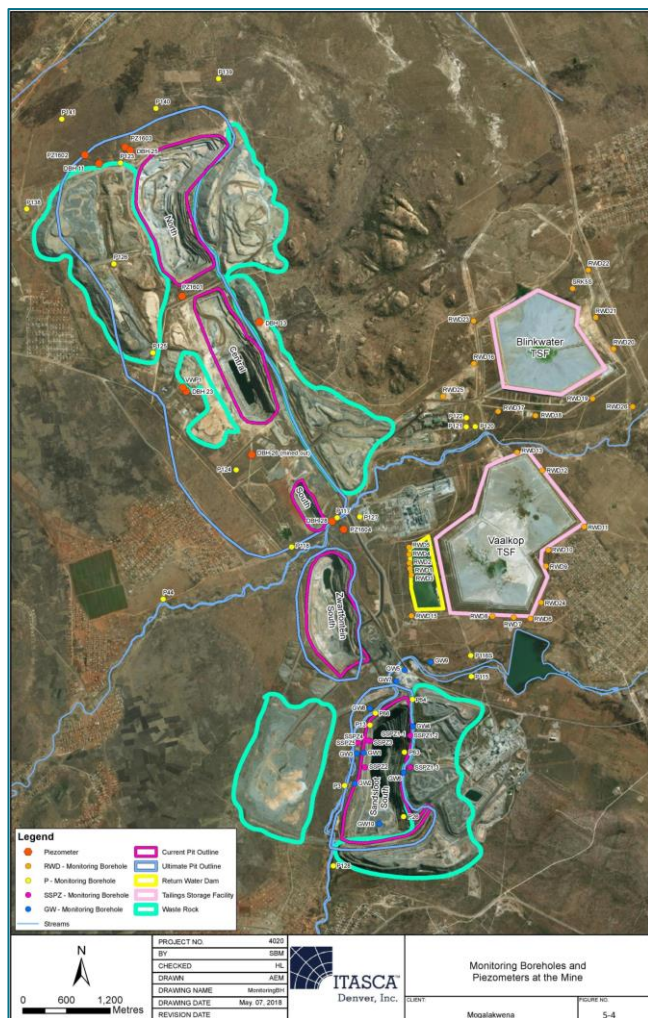


Figure 3.5-1: Borehole locations



Figure 3.5-2: Moghosane River diversion channel

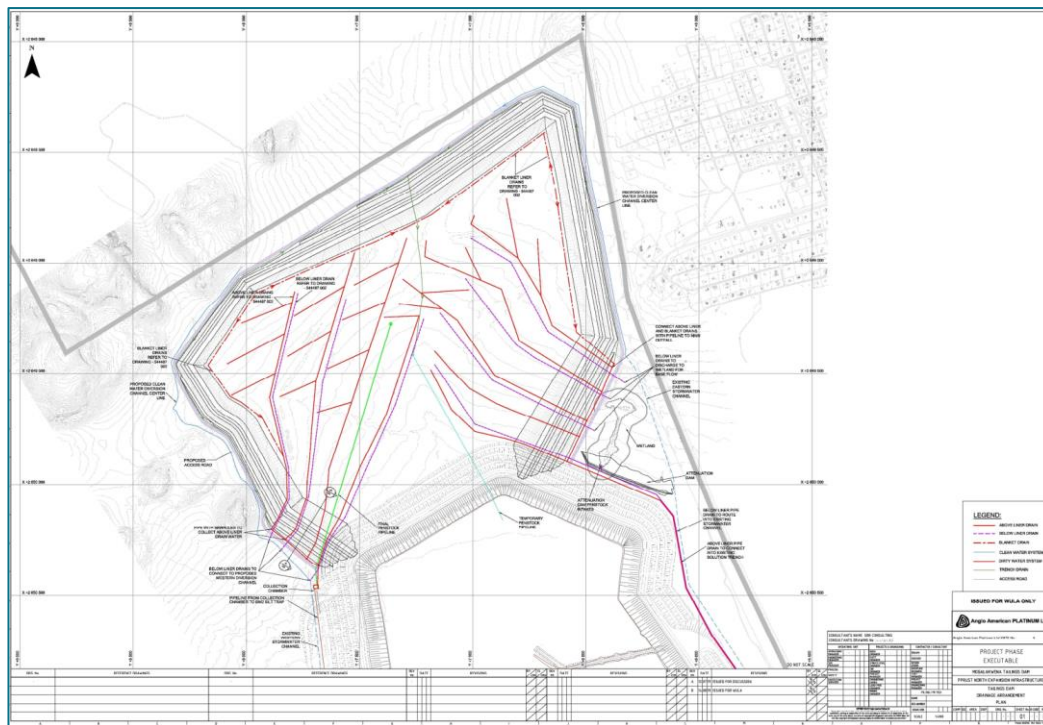


Figure 3.5-3: Blinkwater 2 TSF designs



Figure 3.5-4: Blasting procedure

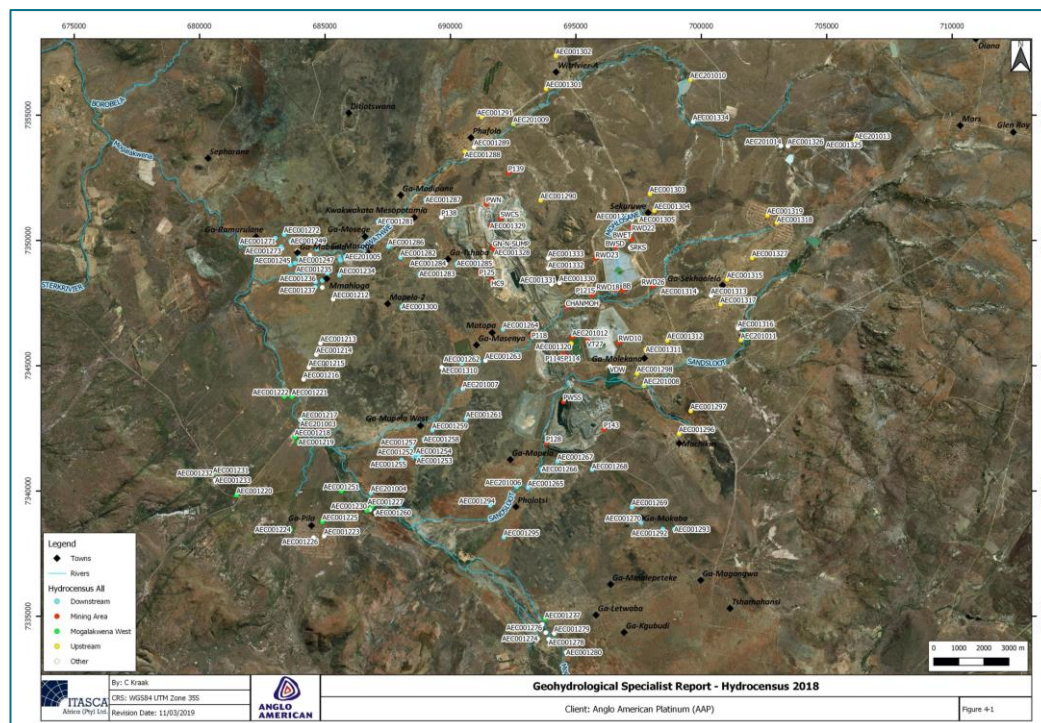


Figure 3.5-5: Hydrocensus

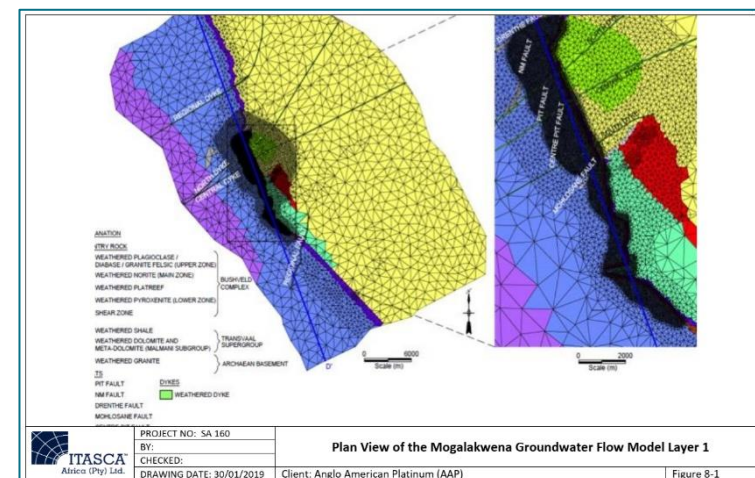


Figure 3.5-6: Groundwater flow model

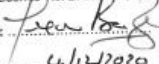


water & sanitation
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**LICENCE IN TERMS OF CHAPTER 4 OF THE
NATIONAL WATER ACT, 1998 (ACT NO. 36 OF 1998) (THE ACT)**

I, **Trevor Balzer**, in my capacity as Acting Director-General in the Department of Water and Sanitation and acting under authority of the powers delegated to me by the Minister of Human Settlements, Water and Sanitation, hereby authorises the amendment of licences dated **12 March 2007** of Licence No: **2705/965**, and **02 October 2017** of Licence No. **14/A61G/GICABJ/5053**.

SIGNED: 
DATE: **4/1/2020**

LICENCE NO: 07/A61G/ABCGIJ/9887
FILE NO: 27/2/2/A761/7/1
REF. NO: WU11262
VERSION: 01-2020

1. Licensee: **Rustenburg Platinum Mines Ltd: Mogalakwena Mine Section**
Postal Address: **PO Box 3391
Polokwane
0700**

2. Water Uses

2.1 Section 21 (a) of the Act: Taking water from a water resource.
2.2 Section 21 (c) of the Act: Impeding or diverting the flow of water in a watercourse.
2.3 Section 21 (i) of the Act: Altering the bed, banks, course or characteristics of a watercourse.
2.4 Section 21 (g) of the Act: Disposing of waste in a manner which may detrimentally impact on a water resource.
2.5 Section 21 (j) of the Act: Removing, discharging or disposing of water found underground if it is necessary for the efficient continuation of an activity or for the safety of people.

3. Properties in respect of which this licence is issued

3.1 Portion 0 of the farm Overysel 815 LR,
3.2 Portion 0 of the farm Zwartfontein 818 LR
3.3 Portion 0 of the farm Blinkwater 820 LR
3.4 Portion 0 of the farm Sandsloot 236 KR
3.5 Portion 0 of the farm Vaalkop 819 LR

B12379



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Figure 3.5-7: Approved IWUL

Mogalakwena Blinkwater TSF Scavenger Boreholes

[OFFICIAL]



- Boreholes are drilled, equipped and operational
- Abstraction from boreholes is measured and accounted via magnetic flowmeters

BH ID	Long	Lat
Scavenger borehole 1	28.93886	-23.9668
Scavenger borehole 2	28.93761	-23.9675
Scavenger borehole 3	28.93585	-23.9681
Scavenger borehole 4	28.92936	-23.9680
Scavenger borehole 5	28.92802	-23.9679
Scavenger borehole 6	28.92629	-23.9675
Scavenger borehole 7	28.92484	-23.9636

Mogalakwena Vaalkop TSF Scavenger Boreholes

[OFFICIAL]



- Boreholes testing & analysis complete
- Boreholes drilled
- Procurement of pumps & housing structures underway

BH ID	Long	Lat
VKSW3	28.92996	23.99312
VKSW3b	28.92786	23.99303
VKSW4	28.92563	23.99298
VKSW5	28.92377	23.99290
VKSW5b	28.92002	23.99279
VKSW6	28.91757	23.99284
VKSW8	28.92319	23.97874
VKSW8b	28.92339	23.97777
VKSW9	28.92395	23.97681
VKSW1	28.93606	23.98289
VKSW1b	28.93550	23.98333
VKSW2	28.93398	23.98424
VKSW11	28.91212	23.98789
VKSW12	28.91178	23.98627

Figure 3.5-8: Blinkwater 2 TSF scavenger wells

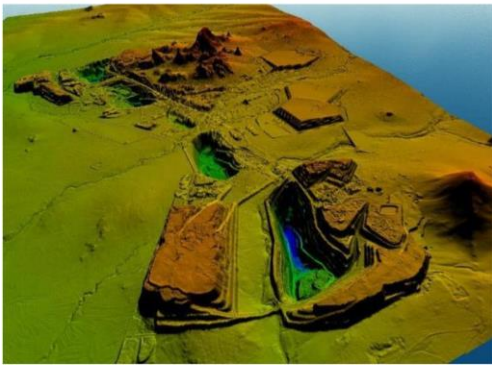
Anglo American Mogalakwena Mine

Stormwater Management Plan and Regulation 704 audit report

Report Prepared for:

Anglo American Mogalakwena Mine

Report Number 530353/1



Report Prepared by

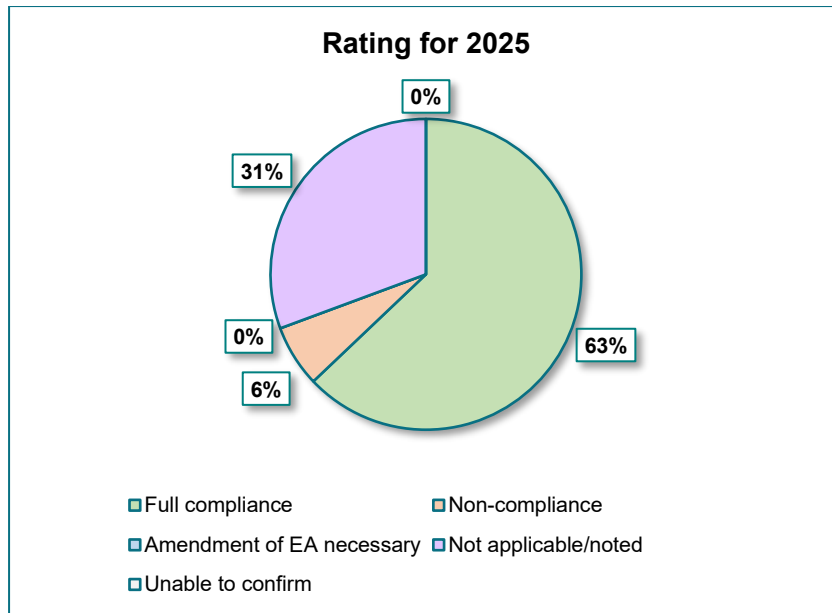
 **srk** consulting

October 2018



Figure 3.5-9: Stormwater management plan

3.5.2 Summary of compliances



3.6 Noise

Description of impact and management	Findings/observations	Action plan
Pre-construction impacts applicable to all the proposed expansion activities during site clearing and grubbing of infrastructure areas		
Pre-construction activities at the various proposed expansion sites are to be undertaken during the day and nighttime provided that the prevailing ambient noise levels at the boundary of the mine is not exceeded	Non-compliance: The mine conducts regular noise monitoring reports. However, the latest noise monitoring report indicates that there were several exceedances. The mine has investigated these exceedances and is in the process of implementing noise reduction measures at the impacted sites. Audit trail/supporting documentation:	Implement noise reduction measures where exceedances occurred. <u>Responsible person:</u> Mine manager

Description of impact and management	Findings/observations	Action plan
	Figure 3.6-1: Noise monitoring report Figure 3.6-2: Noise exceedance investigation report	<u>Timeframe:</u> ASAP ²⁰
Equipment and/or machinery which will be used must comply with the manufacturer's specifications on acceptable noise levels	Unable to verify: The mine uses various external contractors, and it is assumed that all machinery and vehicles on the site comply with the manufacturers specifications, this could not be confirmed for all machinery and vehicles on-site.	
The area where construction will take place will have to be declared as a noise zone should the threshold value of 85.0 dBA be exceeded	Full compliance: According to the latest noise survey, noise levels did not reach above 85.0dBA. <u>Audit trail/supporting documentation:</u> Figure 3.6-1: Noise monitoring report	
Appropriate hearing protection devices will have to be issued to all workers working in these areas	Full compliance: There are PPE ²¹ signs in place at the site and mine personnel were observed wearing hearing protection devices in the appropriate areas. <u>Audit trail/supporting documentation:</u> Figure 3.6-3: PPE sign	
Withdraw equipment for maintenance if change in noise emission characteristics is noticeable	Full compliance (with notes): According to mine personnel, the contractors are responsible for equipment and vehicle maintenance. All machinery and vehicles are maintained regularly. <u>Audit trail/supporting documentation:</u> Communication with mine personnel	
Maintain complaints and grievance register and act promptly to complaints regarding noise. The proposed noise management plan as detailed in Section 31.4.4 must be in place during the construction and	Full compliance: According to mine personnel, the noise management plan is being implemented. The mine has a complaints and grievance register in place.	

²⁰ As soon as possible²¹ Personal protective equipment

Description of impact and management	Findings/observations	Action plan
operational phases so as to identify any noise increase on a pro-active basis.	<u>Audit trail/supporting documentation:</u> Figure 3.6-4: Complaints and grievance register	
Construction impacts applicable to all the proposed expansion activities		
Construction activities may be carried out during the day and night time provided that the prevailing ambient noise levels at the boundary of the mine is not exceeded	Non-compliance: The mine conducts regular noise monitoring reports. However, the latest noise monitoring report indicates that there were several exceedances. The mine has investigated these exceedances and is in the process of implementing noise reduction measures at the impacted sites. <u>Audit trail/supporting documentation:</u> Figure 3.6-1: Noise monitoring report Figure 3.6-2: Noise exceedance investigation report	Implement noise reduction measures where exceedances occurred. <u>Responsible person:</u> Mine manager <u>Timeframe:</u> ASAP
When the prevailing ambient noise is exceeded such activities will have to be acoustically screened off		
Machinery with low noise levels to be used	Full compliance: According to mine personnel, up to date technology is used on all machinery to ensure noise levels are minimised. <u>Audit trail/supporting documentation:</u> Communication with mine personnel	
Construction impacts applicable to the proposed construction of the 3rd Concentrator and Bulk Ore Sorter		
Construction activities at the upgrade of the access road may be carried out during the day and night time provided that the prevailing ambient noise levels at the boundary of the mine is not exceeded	Not applicable: No construction is occurring.	
When the prevailing ambient noise is exceeded such activities will have to be acoustically screened off		
Construction activities at the additional primary crusher may be carried out during the day and night time provided that the prevailing ambient noise levels at the boundary of the mine is not exceeded		

Description of impact and management	Findings/observations	Action plan
Construction impacts applicable to the proposed construction the Blinkwater 2 TSF		
Construction activities may be carried out during the day and night time provided that the prevailing ambient noise levels at the boundary of the mine is not exceeded	Full compliance: There were no exceedances at these monitoring points.	
When the prevailing ambient noise is exceeded such activities will have to be acoustically screened off.	Audit trail/supporting documentation: Figure 3.6-1: Noise monitoring report	
Operational impacts applicable to all the proposed expansion activities		
Traffic noise limit at the mine to be adhered to at all times	Non-compliance: The mine conducts regular noise monitoring reports. However, the latest noise monitoring report indicates that there were several exceedances. The mine has investigated these exceedances and is in the process of implementing noise reduction measures at the impacted sites. Audit trail/supporting documentation: Figure 3.6-1: Noise monitoring report Figure 3.6-2: Noise exceedance investigation report	Implement noise reduction measures where exceedances occurred. <u>Responsible person:</u> Mine manager <u>Timeframe:</u> ASAP
All noise sources exceeding 85.0 dBA to be identified and if practical to be acoustically screened off	Full compliance: According to the latest noise survey, noise levels did not reach above 85.0dBA. Audit trail/supporting documentation: Figure 3.6-1: Noise monitoring report	
Noise survey to be done on a quarterly basis and after one year to change to an annual basis if the prevailing ambient noise level at the boundaries of the debottlenecking plant is within the threshold value of 70.0 dBA.	Not applicable: The debottlenecking plant is yet to be constructed.	
Operational impacts applicable to the specific expansion activities		
Operation phase impacts applicable to the proposed 3rd Concentrator		
All noise sources exceeding 85.0 dBA to be identified and if practical to be acoustically screened off	Not applicable: This facility has not yet been constructed.	

Description of impact and management	Findings/observations	Action plan
Noise survey to be done on a quarterly basis and after one year to change to an annual basis if the prevailing ambient noise level at the boundaries of the debottlenecking plant is within the threshold value of 70.0dBA		
The activities to be managed and the noise from the pumps may not exceed the threshold value of 70.0 dBA at the boundary of the mine.		
Operation phase impacts applicable to the proposed Blinkwater 2 TSF		
All noise sources exceeding 85.0 dBA (pump/s along the pipeline) to be identified and if practical to be acoustically screened off. Noise survey to be done on a quarterly basis and after one year to change to an annual basis if the prevailing ambient noise level at the footprint boundaries are in line with the 70.0 dBA threshold value	Full compliance: According to the latest noise survey, noise levels did not reach above 85.0 or 70dBA. Further, there were no exceedances at these monitoring points. <u>Audit trail/supporting documentation:</u> Figure 3.6-1: Noise monitoring report	
Operation phase impacts applicable to the proposed Buffer Dam		
The activities (pumping of water) to be managed and the noise from the water pumps may not exceed the threshold value of 70.0 dBA at the boundary of the mine.	Full compliance: There were no exceedances at these monitoring points. <u>Audit trail/supporting documentation:</u> Figure 3.6-1: Noise monitoring report	
Operation phase impacts applicable to the proposed North Waste Rock Dump		
The dumping of waste rock to be managed and the distance between the waste rock tipping area to be calculated for the prevailing ambient noise level at the residential areas not to be exceeded. Noise survey to be done on a quarterly basis and after one year to change to an annual basis if the prevailing ambient noise levels at the residential areas will not be exceeded	Full compliance: There were no exceedances at these monitoring points. <u>Audit trail/supporting documentation:</u> Figure 3.6-1: Noise monitoring report	
Operation phase impacts applicable to the proposed Groot Sandsloot River diversion		
There will be no acoustic screening required unless water is pumped and noise monitoring to be done to ensure compliance	Not applicable: No activities have occurred.	

Description of impact and management	Findings/observations	Action plan
Closure/rehabilitation phase impacts applicable to all the proposed expansion activities		
Demolition activities to be done during daytime working hours with demolition machinery/equipment which complies with the manufacturers specifications on all times.	Not applicable: Closure is not taking place for any of the expansion activities.	
Earthwork activities to be done during daytime working hours with machinery/equipment which complies with the manufacturers specifications on all times.		
Planting of grass/vegetation activities to be done during daytime working hours with machinery which complies with the manufacturers specifications on all times.		
Post-closure phase impacts applicable to all the proposed expansion activities		
Maintenance activities to be done during daytime working hours with machinery which complies with the manufacturers specifications on all times.	Not applicable: Closure is not taking place for any of the expansion activities.	

3.6.1 Supporting documentation

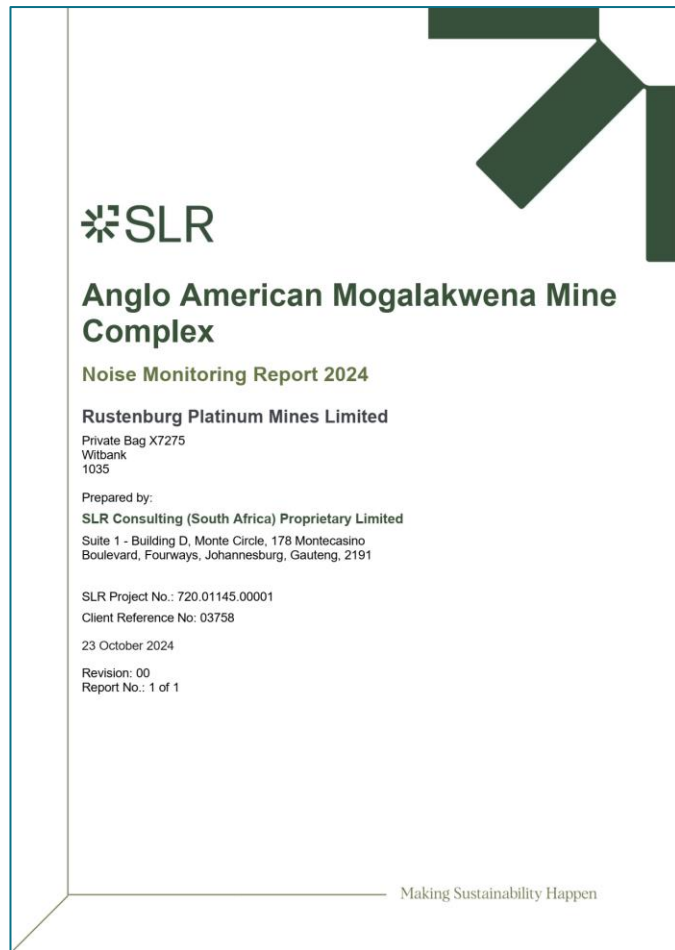


Figure 3.6-1: Noise monitoring report

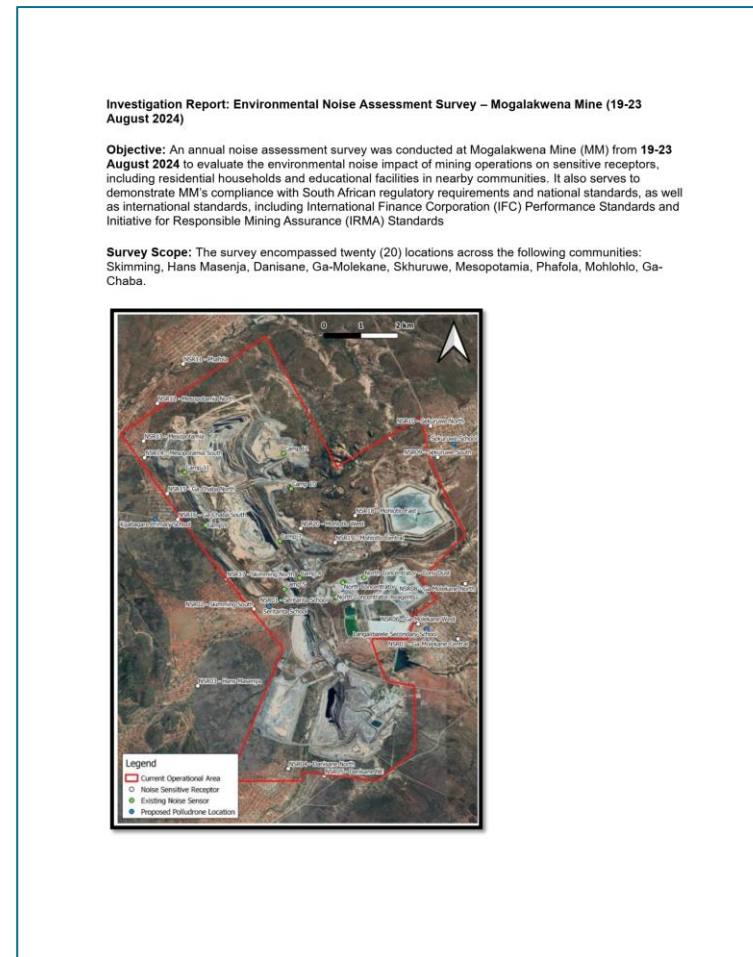


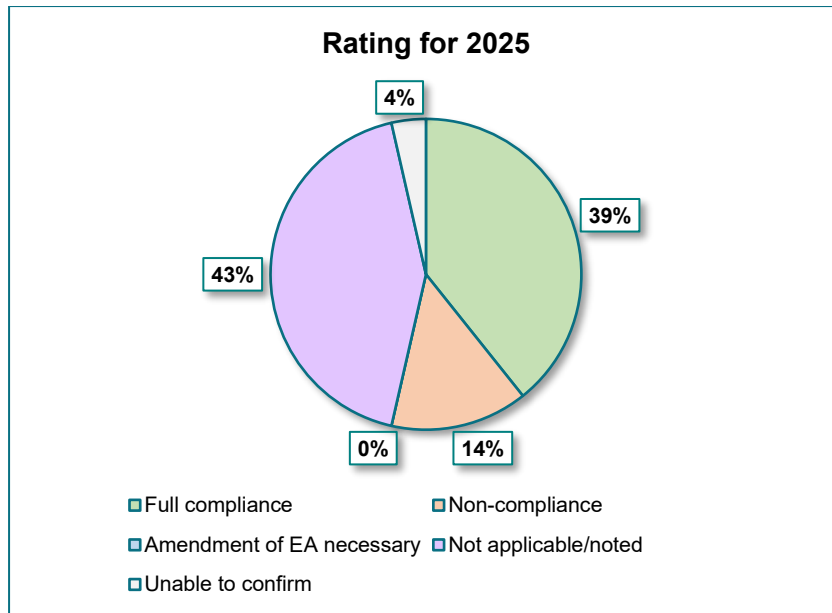
Figure 3.6-2: Noise exceedance investigation report



Figure 3.6-3: PPE sign

Figure 3.6-4: Complaints and grievance register

3.6.2 Summary of compliances



3.7 Visual impact

Description of impact and management	Findings/observations
Construction impacts applicable to all the proposed expansion activities	
Adhere to the air quality management measures provided in the air quality section	Noted
Plant vegetation such as trees and shrubs on periphery of villages directly next to the mine to provide a screen/buffer of direct views towards the plants	Full compliance: Observations on-site confirmed that trees and vegetation was planted and encouraged to grow on the boundaries of the mine. <u>Audit trail/supporting documentation:</u> Observations on-site

Description of impact and management	Findings/observations
	Review of Google Earth imagery
Point lighting inwards and not to villages to avoid nocturnal impacts	Full compliance: Downlighting has been implemented on-site to ensure that light pollution does not take place. <u>Audit trail/supporting documentation:</u> Figure 3.7-1: Downlighting on-site
Natural vegetation, wherever possible, should be retained on and around the mine property as well as along the boundary of the mine	Full compliance: Observations on-site confirmed that trees and vegetation was planted and encouraged to grow on the boundaries of the mine. Google Earth imagery also indicates that vegetation is being maintained around the mine boundaries. <u>Audit trail/supporting documentation:</u> Observations on-site Google Earth verification
Operational impacts applicable to all the proposed expansion activities	
Adhere to the air quality management measures provided in the air quality section	Noted
Plant vegetation such as trees and shrubs on periphery of villages directly next to the mine to provide a screen/buffer of direct views towards the plants	Full compliance: Observations on-site confirmed that trees and vegetation was planted and encouraged to grow on the boundaries of the mine. <u>Audit trail/supporting documentation:</u> Observations on-site Google Earth verification
Point lighting inwards and not to villages to avoid nocturnal impacts	Full compliance: Downlighting has been implemented on-site to ensure that light pollution does not take place. <u>Audit trail/supporting documentation:</u> Figure 3.7-1: Downlighting on-site

Description of impact and management	Findings/observations
Natural vegetation, wherever possible, should be retained on and around the mine property as well as along the boundary of the mine	Full compliance: Observations on-site confirmed that trees and vegetation was planted and encouraged to grow on the boundaries of the mine. Google Earth imagery also indicates that vegetation is being maintained around the mine boundaries. <u>Audit trail/supporting documentation:</u> Observations on-site Google Earth verification
Operational impacts applicable to the specific expansion activities	
Operation phase impacts applicable to the proposed North Waste Rock Dump	
Undertake progressive rehabilitation of the WRD practically possible	Full compliance (with notes): The North WRD has only recently entered the operational phase and therefore rehabilitation is not yet possible as waste rock is still being deposited. <u>Audit trail/supporting documentation:</u> Observations on-site Communication with mine personnel Figure 3.7-2: North WRD
Plant vegetation such as trees and shrubs on periphery of villages directly next to the proposed TSF and WRD to provide a screen/buffer of direct views towards these structures	Full compliance: Observations on-site confirmed that trees and vegetation was planted and encouraged to grow on the boundaries of the mine. Google Earth imagery also indicates that vegetation is being maintained around the mine boundaries. <u>Audit trail/supporting documentation:</u> Observations on-site Google Earth verification
Closure/rehabilitation phase impacts applicable to all the proposed expansion activities	
Adhere to the air quality management measures provided in the air quality section	Not applicable: Closure of expansion activities is taking place yet.

3.7.1 Supporting documentation

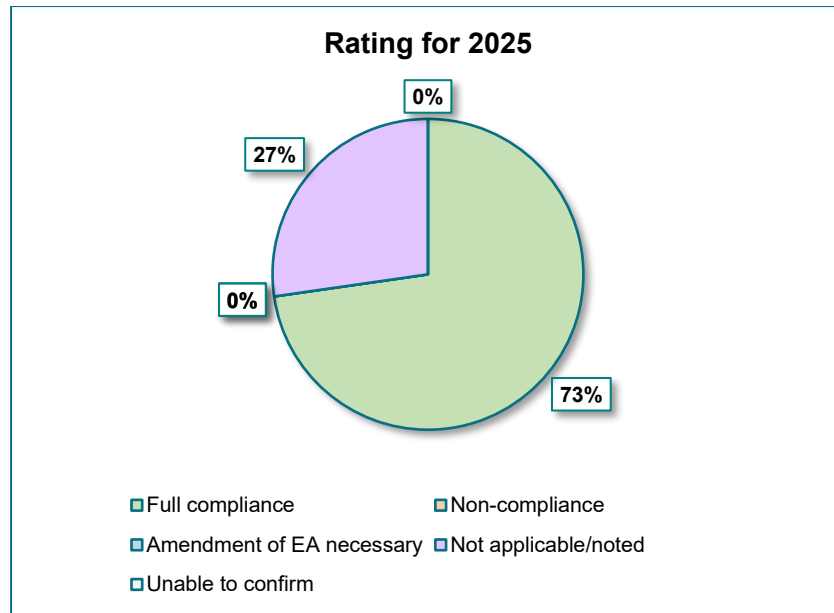


Figure 3.7-1: Downlighting on-site



Figure 3.7-2: North WRD

3.7.2 Summary of compliances



3.8 Heritage

Description of impact and management	Findings/observations
Pre-construction impacts applicable to all the proposed expansion activities during site clearing and grubbing of infrastructure areas	
Prior to the commencement of the preconstruction phase, an appropriately qualified archaeologist shall accompany the construction team and indicate where sensitive cultural heritage and archaeological sites are located	Full compliance: A heritage impact assessment was conducted for the expansion project sites which included a site visit from a qualified archaeologist. Audit trail/supporting documentation: Figure 3.8-1: Heritage impact assessment Error! Reference source not found.

Description of impact and management	Findings/observations
A social consultation process to assess whether any local residents or the wider public is aware of the presence of graves at these sites must be undertaken. If graves are located at these sites then the following mitigations are applicable: • The procedure includes the following: A detailed social consultation process, at least 60 days in length, comprising the attempted identification of the next-of kin in order to obtain their consent for the relocation. • Bilingual site and newspaper notices indicating the intent of the relocation. • Obtain permits from all the relevant and legally required authorities. • An exhumation process that keeps the dignity of the remains and family intact. • An exhumation process that safeguards the legal rights of the families as well as that of the mining company • The process must be done by a reputable company well versed in the mitigation of graves	Full compliance: A comprehensive social consultation process was undertaken as part of the heritage impact assessment as well as the EIA/EMP. Further, any graves that were relocated were relocated in 2002. <u>Audit trail/supporting documentation:</u> Figure 3.8-1: Heritage impact assessment Section 13 of the approved EIA/EMP. Figure 3.8-2: EIA/EMP Comments and response report Figure 3.8-3: Permit reports confirming that graves were relocated
Consultation with members of Sekuruwe should be conducted before construction of the Blinkwater 2 TSF commences	Full compliance: The field work included participation by Sekuruwe community members. <u>Audit trail/supporting documentation:</u> Communication with mine personnel Figure 3.8-1: Heritage impact assessment Section 13 of the approved EIA/EMP.
Pre-construction impacts applicable to the proposed construction the Blinkwater 2 TSF	
All construction staff are to be made aware of the locations of the sensitive cultural and archaeological sites as specific management measures are required for these sites as detailed below. In order to mitigate the impact associated with relocation of the burial grounds and single graves, the procedure detailed in Section 24 will need to be followed. The procedure includes the following:	Noted: Pre-construction has been completed.

Description of impact and management	Findings/observations
- A detailed social consultation process, at least 60 days in length, comprising the attempted identification of the next-of kin in order to obtain their consent for the relocation. - Bilingual site and newspaper notices indicating the intent of the relocation. - Obtain permits from all the relevant and legally required authorities. - An exhumation process that keeps the dignity of the remains and family intact. An exhumation process that safeguards the legal rights of the families as well as that of the mining company - The process must be done by a reputable company well versed in the mitigation of graves - Consultation with members of Sekuruwe should be conducted before construction commences	
Prior to the commencement of the pre-construction phase, an appropriately qualified archaeologist shall accompany the construction team and indicate where sensitive cultural heritage and archaeological sites are located	
The engineering design of the TSF will be altered to avoid the majority of the stone ages sites identified. The remaining sites which will have to be mitigated must be assessed in the field by a suitably qualified Stone Age specialist prior to site clearance	
Any recommendations made by the Stone Age specialist must be adhered to	
Such recommendations may include the archaeological recording of a surface layout plan, surface collection of lithics, etc.	
Consultation with members of Sekuruwe should be conducted before construction of the Blinkwater 2 TSF commences	
An archaeological site layout plan must be compiled using accepted archaeological techniques	
During the recording of the archaeological site layout plan, an attempt must be made to identify any archaeological middens associated with this site.	
Should such middens be identified, archaeological test excavations would be required. If no such middens are found, the next two mitigation measures comprising	

Description of impact and management	Findings/observations
an archaeological excavation permit application and archaeological test excavations would not be required	
A permit application to SAHRA ²² for archaeological test excavations to take place. Once the permit is received, limited archaeological test excavations may also be required, should a deposit be identified.	
An archaeological mitigation report must be compiled. A destruction permit application must be lodged with (SAHRA) to allow for the destruction of the site	
A social consultation process to assess whether any local residents or the wider public is aware of the site and can provide information for the improved interpretation of the site must be implemented and recorded	
The site must be archaeologically recorded by way of a site layout plan, site photographs and the recording of the arrangement and layout of the cupules and grinding surfaces on the boulder	
A mitigation report must be compiled which includes the findings of the social consultation process as well as the records, plans and photographs resulting from the archaeological recording of the site	
This report must also provide recommendations as to whether any additional mitigation would be required for the site to be destroyed as part of the development	
If any of the sites need to be relocated or destroyed, the following must be undertaken: - An archaeological site layout plan must be compiled using accepted archaeological techniques - A permit application must be submitted to SAHRA for archaeological mitigation to take place. Such mitigation may include test excavations and surface collection. Once the permit is received, the archaeological mitigation measures can be undertaken. Such mitigation would be aimed at better understanding such rain-making sites	

²² South African Heritage Resources Agency

Description of impact and management	Findings/observations
- The archaeological research must be underpinned by a social consultation process to assess whether any local residents or the wider public is aware of the site and can provide information for the improved interpretation of the site - An archaeological mitigation report must be compiled. If no alternatives for the preservation of the site can be found, a destruction permit application must be lodged with (SAHRA) to allow for the destruction of the site. It is presently certain that such a permit application would succeed - Consultation with members of Sekuruwe should be conducted before construction commences	
It has been strongly recommended by the specialist that the development footprint be modified to allow for the in situ preservation of this site	
It is also recommended that a concerted effort be made to adhere to this recommendation. The fact that the site is located on the far western boundary of the development footprint area, should make adherence to this mitigation measure feasible	
Local residents should be consulted to inform mitigation measures when addressing any potential impact on cultural heritage sites or graves, including intangible heritage such as cultural rites, initiation or circumcision	
Mitigation measures recommended in the Heritage Impact Assessment Study to be implemented	
Implement the existing chance finds procedure to deal with how to protect graves and heritage sites accidentally unearthed during construction	
Pre-construction impacts applicable to the proposed construction of the North Waste Rock Dump	
All construction staff are to be made aware of the locations of the sensitive cultural and archaeological sites as specific management measures are required for these sites as detailed below. In order to mitigate the impact associated with relocation of the burial grounds and single graves, the procedure detailed in Section 24 will need to be followed. The procedure includes the following:	Noted: Pre-construction has now been completed.

Description of impact and management	Findings/observations
- A detailed social consultation process, at least 60 days in length, comprising the attempted identification of the next-of kin in order to obtain their consent for the relocation - Bilingual site and newspaper notices indicating the intent of the relocation. - Permits from all the relevant and legally required authorities. - An exhumation process that keeps the dignity of the remains and family intact. An exhumation process that safeguards the legal rights of the families as well as that of the mining company - The process must be done by a reputable company well versed in the mitigation of graves	
Prior to the commencement of the pre-construction phase, an appropriately qualified archaeologist shall accompany the construction team and indicate where sensitive cultural heritage and archaeological sites are located	
A social consultation process to assess whether any local residents or the wider public is aware of the presence of graves at these sites	
The site must be re-visited and archaeologically recorded by way of photographs and rubbings of the rubbing stone	
Intensive archaeological walkthroughs must also be undertaken of the immediate surroundings of the site, to confirm the current assessment that no engravings or Stone Age sites are associated with the rubbing post	
A mitigation report must be compiled which includes the findings of the social consultation process as well as the records, plans and photographs resulting from the archaeological recording of the site. This report must also provide recommendations as to whether any additional mitigation would be required for the site to be destroyed as part of the development	
Construction impacts applicable to all the proposed expansion activities	
Construction impacts applicable to the specific expansion activities	

Description of impact and management	Findings/observations
Prior to the commencement of the construction phase, an appropriately qualified archaeologist must undertake a heritage assessment at the site where the bulk ore sorter will be situated. If any heritage sites are identified it must be managed according to the specific requirements detailed in the management measures	Full compliance: A heritage impact assessment was conducted for the expansion project sites which included a site visit from a qualified archaeologist. All heritage sites were managed in accordance with the heritage impact assessment and approved EMP. <u>Audit trail/supporting documentation:</u> Figure 3.8-1: Heritage impact assessment Figure 3.8-2: EIA/EMP Comments and response report Figure 3.8-3: Permit reports confirming that graves were relocated
Construction impacts applicable to the proposed construction of the Contractors Camp	
Prior to the commencement of the construction phase, an appropriately qualified archaeologist must undertake a heritage assessment at the site where the bulk ore sorter will be situated. If any heritage sites are identified it must be managed according to the specific requirements detailed in the management measures	Not applicable: The contractors camp has not been constructed.

3.8.1 Supporting documentation

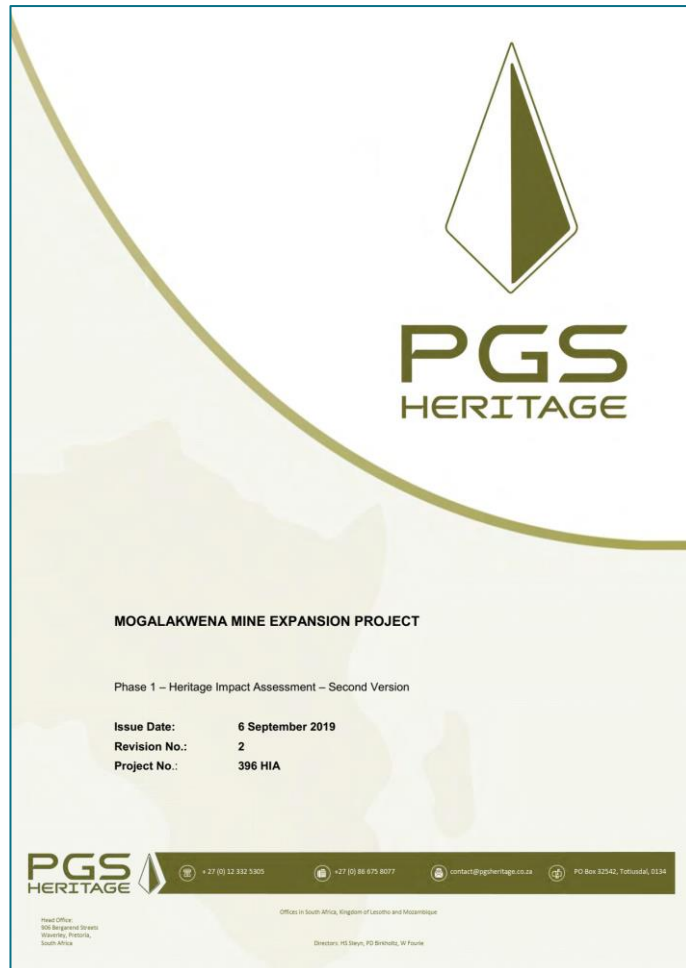


Figure 3.8-1: Heritage impact assessment

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COMMENTS AND RESPONSES DURING PRE-APPLICATION PHASE

Comments, issues, suggestions raised by stakeholders	Stakeholder name	Organisation/Village	Date	Source of comment (meeting / written / telephonic)	Response by SRK and MM Project team	Reference in the Final EIA/EMP Report
Stakeholder Engagement						
Please keep us updated on future engagements and we hope that this meeting is not the last meeting.	Immanuel Mashe	Mogope Village	10/12/2018	Meeting	The environmental authorisation process requires that potential interested and affected parties are provided feedback during the Scoping, Environmental Impact Assessment and decision-making phases of the project. Interested and affected parties will be informed of opportunities to engage with the SRK team during these phases. Please refer to Section 13 of the Draft Environmental Impact Assessment/Environmental Management Programme (EIA/EMP) for information regarding future engagement opportunities. There will be an opportunity to comment on the Draft EIA/EMP during September/October 2019.	Section 13.7
Consultation must be done through the community and relevant structures.	Tendani Bridget Fatshane	Skimming (Skimming and Lending Community Development Structure)	25/01/2019	Comment form		Section 13.7
We hope that this is not the last time that SRK is engaging with us. We would encourage engagement during this process to be as broad and wide as possible and to include and acknowledge other groups within our communities.	Kgathi Vasilyn Kheana	Moshale	28/01/2019	Meeting with Mokopane TA Leadership Forum	Please refer to Section 13 and Appendix 13-1 of the Draft EIA/EMP for details regarding interested and affected parties who have been consulted and details of the information made available at specific places so far. During the initial announcement phase the existing public participation data base at Mogalakwena mine was used to distribute information.	Section 13.5 indicates SRK's extensive engagement undertaken to date
Being part of this process would be refreshing and would further solidify my knowledge as a resident of Mapeta thus enabling a smooth process.	Philippos Dolo	Mapeta People's Forum (Ga Mosekane Village)	30/01/2019	Comment form	Engagement opportunities will be announced to registered interested and affected parties at key milestones in the environmental authorisation process, therefore it is important to provide SRK with your contact details in order to further receive information regarding the project during authorisation process. By raising your comment and providing your contact information you will be informed of further opportunities to be involved in the public participation process. Your comment will be submitted to and considered by the relevant government authorities in their decision making process.	N/A
Experience has shown that this is the only time that the Mine will be engaging with us. The Mine is only using us to obtain the relevant licences and will ignore us once the licences have been obtained.	Madietja Papo	Mokopane Task Team	05/02/2019	Meeting with the Mokopane Task Team	With respect to this project the Department of Mineral Resources (DMR) and the Department of Water and Sanitation (DWS) are the authorities who will make a decision if the proposed project will be authorised or not. These two government departments will make a decision by taking into account the information submitted to them specifically in terms of whether social and environmental impacts have been adequately addressed and appropriate management measures have been put in place to mitigate the identified impacts and if interested and affected parties were given appropriate opportunity to provide input into the process.	Communities have been engaged with for all of the EIA/EMP processes conducted to date – See Appendix 13 for a summary of historical engagement and comments received
How will communities be involved in the process?	Madietja Papo	Mokopane Task Team	05/02/2019	Meeting with the Mokopane Task Team		See section 13.1 indicating the objectives of the process and the involvement of the IAPs in the process
Will our yes or no affect the project? will our decision affect the project?	Tebogo Mutsapota	Mokopane Task Team	05/02/2019	Meeting with the Mokopane Task Team		See section 21.2 and this document (the CDR) which is submitted to the authorities for their review and consideration when deciding on whether or not the proposed activities should be authorised
Please share the documents with us as a stakeholder (scoping and EIA reports). As stakeholders, we feel that we are taken for granted by the Mine.	Frans Phaho	Mapeta Task Team	06/02/2019	Meeting with Mapeta Task Team		See section 13.4 for details on the availability of the Draft Scoping Report for public review. See section 13.6 of for details of the availability of the EIA report for public review.
Please take our concerns seriously. Be an example to the Mine and provide us with feedback.	Michael Moseamed	Mapeta Task Team	06/02/2019	Meeting with Mapeta Task Team		Concerns have been incorporated in the EIA Report as well as in this CDR which the mine reviews.
As an interested & affected party (IAP) around Mapeta (Skimming), I would like to be involved in	Thapelo Phobane		25/01/2019	Comment form		Section 13.3.2 and stakeholders will be given

LAPR/AVA 502306_MM EIA GRP_Flow_2019/10.docx November 2019

Figure 3.8-2: EIA/EMP Comments and response report

[OFFICIAL]



PGS
HERITAGE

REPORT ON THE RELOCATION OF GRAVES

MITIGATION OF 41 GRAVES FROM MOGALAKWENA MINE, MOGALAKWENA LOCAL MUNICIPALITY, WITHIN THE WATERBERG DISTRICT MUNICIPALITY, LIMPOPO PROVINCE

Graves affected by mining-related activities – Batch 1

Template Number	Document Number	Revision	Date	SAHRA PERMIT ID; CaseID:
PGS PJ REP 002 14	428GR-01	1.0	23/10/2022	3476; 17982



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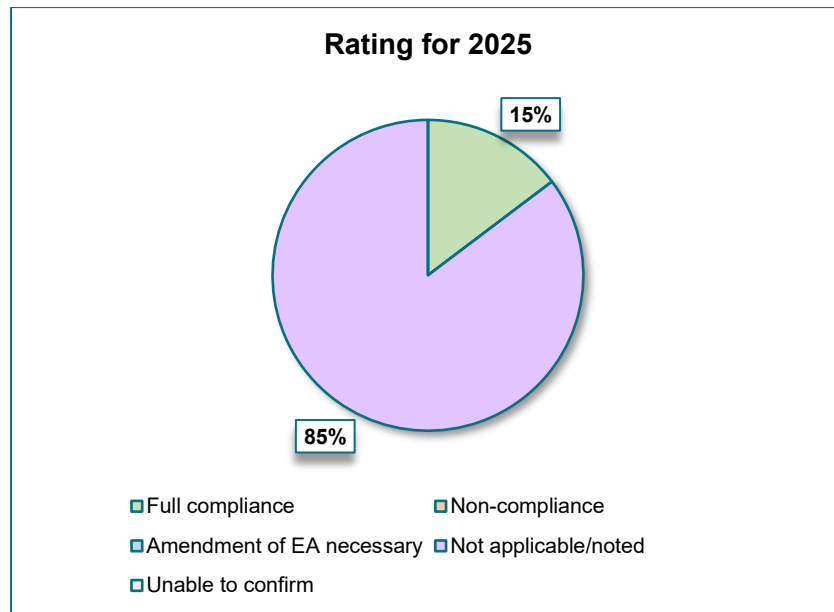
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Figure 3.8-3: Permit reports confirming that graves were relocated

3.8.2 Summary of compliances



3.9 Social

Description of impact and management	Findings/observations	Action plan
General		
Inform affected community about potential risks and impacts from the project activities in a culturally appropriate manner, including collaborating with the community and government agencies in their efforts to respond effectively to emergency situations	Full compliance: A comprehensive social consultation process was undertaken as part of the EIA/EMP. Audit trail/supporting documentation: Section 13 of the approved EIA/EMP. Figure 3.8-2: EIA/EMP Comments and response report	

Description of impact and management	Findings/observations	Action plan
Where possible, AAP ²³ should avoid or minimise the potential for community exposure to hazardous materials and substances that may be released by the project (i.e. contaminated water). AAP should also avoid or minimise the potential for community exposure to water-borne, water based, water-related, and vector-borne diseases, and communicable diseases that could result from project activities by developing action plans to address these risks. For example, AAP should endeavour to avoid or minimise transmission of communicable diseases that may be associated with the influx of temporary or permanent project labour and should develop an Influx Management Plan to reduce this.	Full compliance: The mine has effective security and access control which ensures that communities are not exposed to the hazards on-site. Further, there is an effective groundwater and surface water management system in place to avoid and minimise possible water contamination within the communities. The mine has a SLP²⁴ in place to deal with such matters. <u>Audit trail/supporting documentation:</u> Figure 3.9-1: Social labour plan	
The necessary safety precautions should be taken, and first aid supplies should be made available on site	Full compliance: There are first aid supplies available on-site as well as appropriate signage in place. <u>Audit trail/supporting documentation:</u> Figure 3.6-3: PPE sign Observations on-site	
All project employees (including contractors) should undergo health, environment and safety training on induction and thereafter on a regular basis	Full compliance: All mine employees undergo health and safety training which is updated on the Isometrix system. Contractors undergo health and safety training as part of induction. <u>Audit trail/supporting documentation:</u> Communication with mine personnel	
Instruct contractors on how to work in line with the health, environmental and safety documents and site rules		

²³ Anglo American Platinum²⁴ Social labour plan

Description of impact and management	Findings/observations	Action plan
Development or updating of routine emissions and ambient air quality monitoring program to determine whether there are any significant increases in emissions and impacts at sensitive receptors	Full compliance: Dust suppression occurs on site and there is an air quality management plan in place which ensures that regular dust fallout and air quality monitoring takes place. <u>Audit trail/supporting documentation:</u> Figure 3.1-1: Water bowser Figure 3.1-3: Fall out dust monitoring report	
AAP should consider undertaking a Community Health and Safety Impact Assessment in line with Anglo American Standards and Policies	Non-compliance: No evidence of such an assessment could be provided.	Conduct a Community Health and Safety Impact Assessment. <u>Responsible person:</u> Mine management <u>Timeframe:</u> Before next audit
AAP should consider the establishment of a CMF²⁵ in order to monitor the construction phase and the implementation of the recommended mitigation measures. The CMF should include the following: - Enforcing local employment as far as practically possible - Avoid the establishment of camps, hostels or temporary accommodation for workers - Provide employees with adequate health support from the project team for work-related health problems, including the dissemination of the Health and Safety Policy - including HIV/AIDS policy, and any awareness training required as part of the general employment contract with contract or permanent staff	Non-compliance: No evidence of such a forum could be provided.	Establish a community management forum. <u>Responsible person:</u> Mine management <u>Timeframe:</u> Before next audit
AAP should consider updating its Contractor Social Management Procedure to align with this Project	Non-compliance: No evidence of such a procedure was provided by the mine.	Compile a Contractor Social Management Procedure.

²⁵ Community Management Forum

Description of impact and management	Findings/observations	Action plan
		<u>Responsible person:</u> Mine management <u>Timeframe:</u> Before next audit
Provide clear expectations in all platforms of communication of the number of jobs available and in what categories or fields of the mine. This would allow a clear indication of what types of jobs would be available.	Non-compliance: No evidence could be provided of such communications from the mine to the community.	The mine must ensure that such information and communications are available to the local communities. <u>Responsible person:</u> Mine management <u>Timeframe:</u> Before next audit
Provide clear indications of the requirements and processes involved in recruitment processes		
AAP must ensure that management practises do not exploit or exacerbate the level of mistrust or conflict within the different community groups	Non-compliance: No evidence of such communication and engagement could be provided by the mine.	Ensure that such communications and engagements are conducted. <u>Responsible person:</u> Mine management <u>Timeframe:</u> Before next audit
AAP should ensure that employment and procurement policies are clearly communicated and implemented in a transparent manner		
Communities must be engaged on fair and transparent terms whilst respecting traditionally and democratically appointed leadership within the community		
Communities should furthermore be informed and educated about the various ways in which AAP contributes to socio-economic development, not only within their own communities, but also through contributions towards their SLP ²⁶ goals, CSI as well as taxation		
Communities should be capacitated through inter alia Zimele programme to obtain training and entrepreneurial skills which will allow them to gain opportunities through AAP initiatives or procurement processes		

²⁶ Social Labour Plan

Description of impact and management	Findings/observations	Action plan
Ensure that current resourcing gaps within the SP team is assessed and sufficiently addressed to ensure appropriate engagement in line with impacts identified in the SIA²⁷ including to ensure that all stakeholder concerns and inputs especially for vulnerable groups are taken into consideration The SP team should receive additional training (i.e. International Association of Public Participation modules) to enhance communication techniques with the community. Where possible, members from the SP team should also be able to access counselling or the input from a psychologist to assist with conflict management training	Non-compliance: Evidence to support these conditions was not provided by the mine.	Ensure that resourcing gaps within the SP team are analysed. Ensure the SP team receives additional training. <u>Responsible person:</u> Mine management <u>Timeframe:</u> Before next audit
MM should consider reviewing their policies to ensure full compliance with Anglo American Standards and Policies. Specifically, consider updating its Contractor Social Management Procedure to align with this Project	Non-compliance: No evidence could be provided to indicate that the mine policies are aligned with APP (RPM) standards and policies.	Ensure that the mine policies align with the RPM standards and policies. <u>Responsible person:</u> Mine management <u>Timeframe:</u> Before next audit
Emerging employment opportunities should be targeted at local residents as well as people from the surrounding communities in cases where the skills cannot be obtained from immediately adjacent communities The SP Team at AAP can communicate with the leadership of each village in the surrounding villages and request that a database of services that they can provide be drawn up to submit to the mine. This can be relevant in the sourcing of skills from surrounding communities Sourcing these employees should be undertaken in a coherent fashion and the purpose of the labour desk should be clarified. The labour desk should either be given the mandate to source CVs	Non-compliance: The mine has a SLP in place however it does not provide for all of these conditions and further evidence is still required to indicate these actions and conditions are being implemented. <u>Audit trail/supporting documentation:</u> Figure 3.9-1: Social labour plan	Update the SLP to include all actions and measures as set out in the approved EMP. Implement all measures and actions stipulated in the approved EMP. <u>Responsible person:</u>

²⁷ Social Impact Assessment

Description of impact and management	Findings/observations	Action plan
from the local community, or MM must clearly communicate that they do not have the mandate, in which case the proper channel of submitting CVs should be communicated		Mine management
MM should continue to provide the surrounding communities with practical skills training so that they have the opportunity to upskill themselves and apply for jobs with the mine. Recruitment of labour should be guided by AAP's recruitment policies which should promote the employment of local labour. The recruitment process must be transparent and communicated to stakeholders in order to limit opportunities for conflict situations. MM's contractor management plan also needs to be implemented to ensure that appointed contractors also employ locally as far as practically possible. Support for local businesses through SMME ²⁸ development should be prioritised, with support from other surrounding mines, business forums and the municipality. The appointment of local business and the use of their products and services should be promoted as far as practically possible, as it will potentially open up opportunities for local employment		<u>Timeframe:</u> Before next audit
Continued participation of labour unions in Work Place Skills Plans and Annual Training Reports should be encouraged, and feedback provided to employees at mass meetings		
AAP can consider providing proposal writing workshops as a part of the training and skills development programmes such that community members with small businesses can develop this skill, leading to a higher and more promising level of proposals received from the surrounding communities		
Skills development for employees and community members wishing to obtain employment through the project should, include more than technical skills (e.g. Life skills training and financial literacy) Skills development opportunities for new recruits should be prioritised	Noted Full compliance: This is included in the mine SLP. Audit trail/supporting documentation: Figure 3.9-1: Social labour plan	
Awareness should be created within the communities of the contribution that AAP makes to skills development and training opportunities		
Learnerships/internships at AAP should be considered for matriculants wishing to obtain work experience		
MM's HR policy should support preferential employment opportunities for women, as well as measures to increase accessibility and safety considerations for women working in mines. Training		

²⁸ Small, Medium, and Micro Enterprises

Description of impact and management	Findings/observations	Action plan
and skills development focused on women should take place to increase their participation in the labour force		
Continue the implementation of the management measures to ensure equitable remuneration packages for women and their male counterparts. Institute a well-designed gender equality strategy for the project		
Inform community members as to the motivation for AAP’s gender policy and the benefits of such a policy		
Pre-construction impacts applicable to all the proposed expansion activities		
Pre-construction impacts applicable to the proposed construction the Blinkwater 2 TSF		
Local residents should be consulted to inform mitigation measures when addressing any potential impact on cultural heritage sites or graves, including intangible heritage such as cultural rites, initiation or circumcision	Not applicable: The pre-construction phase has been completed.	
Mitigation measures recommended in the Heritage Impact Assessment Study to be implemented		
Implement the existing chance finds procedure to deal with how to protect graves and heritage sites accidentally unearthed during construction		
Pre-construction impacts applicable to the proposed construction of the North Waste Rock Dump		
Local residents should be consulted to inform mitigation measures when addressing any potential impact on cultural heritage sites or graves, including intangible heritage such as cultural rites, initiation or circumcision	Not applicable: The pre-construction phase has been completed.	
Mitigation measures recommended in the Heritage Impact Assessment Study to be implemented		
Implement the existing chance finds procedure to deal with how to protect graves and heritage sites accidentally unearthed during construction		
Construction impacts applicable to all the proposed expansion activities		
Consult with provincial and national departments on sector specific programs for alignment. The MLM ²⁹ IDP ³⁰ (2019) highlights the need for roads and stormwater management as well as water and sanitation	Non-compliance: No such consultation was conducted.	Consult with provincial and national departments on sector specific programs for alignment.

²⁹ Mokopane Local Municipality³⁰ Integrated Development Plan

Description of impact and management	Findings/observations	Action plan
		<u>Responsible person:</u> Mine management <u>Timeframe:</u> Before next audit
Provision is made for infrastructure development projects in the SLP (2016-2020) with the aim of handing over these facilities to the MLM	Full compliance: This is part of the current SLP (2021-2025). <u>Audit trail/supporting documentation:</u> Figure 3.9-1: Social labour plan	
Develop a management plan to address situations where land currently used by communities, within the mining and surface lease areas, will be lost due to the proposed project activities. The management plan should ensure that there is no net negative impact on the land user	Non-compliance: A management plan to address situations where land currently used by communities, within the mining and surface lease areas, will be lost due to the proposed project activities could not be provided by the mine.	Compile a management plan to address situations where land currently used by communities, within the mining and surface lease areas, will be lost due to the proposed project activities. <u>Responsible person:</u> Mine management <u>Timeframe:</u> Before next audit
Facilitate informed participation of all affected persons. Consultation to continue through the implementation, monitoring and evaluation phases	Full compliance: A comprehensive social consultation process was undertaken as part of the EIA/EMP. <u>Audit trail/supporting documentation:</u> Section 13 of the approved EIA/EMP.	

Description of impact and management	Findings/observations	Action plan
	Figure 3.8-2: EIA/EMP Comments and response report	
APP must communicate their grievance mechanism to the affected persons in order to address concerns raised by affected parties	Full compliance: The mine has a complaints and grievance register in place. <u>Audit trail/supporting documentation:</u> Figure 3.6-4: Complaints and grievance register	
Take into account surrounding land uses and design postmining land use options to support and enhance long-term development options	Full compliance: The land uses of the mining area and surrounding area were identified in the approved EIA/EMP. <u>Audit trail/supporting documentation:</u> Approved EIA/EMP	
Maintain the existing dust management/mitigation measures on-site. Should dust levels increase the management/mitigation measures should be reviewed to ensure dust levels remain below the respective standards	Full compliance: Dust suppression occurs on site and there is an air quality management plan in place which ensures that regular dust fallout and air quality monitoring takes place. <u>Audit trail/supporting documentation:</u> Figure 3.1-1: Water bowser Figure 3.1-3: Fall out dust monitoring report	
Adhere to the air quality management measures provided in the air quality section		
Implement MM's social incident management procedure for the Project including the existing grievance procedures to capture community and stakeholder concerns and grievances regarding environmental impacts	Full compliance: The mine has a social incidents, complaints and grievance procedure in place which is being implemented on-site. <u>Audit trail/supporting documentation:</u> Figure 3.9-3: Social incidents, complaints and grievance procedure	

Description of impact and management	Findings/observations	Action plan
Where practicable, stockpiles of soils and materials should be located as far as possible from sensitive receptors, taking account of prevailing wind directions and seasonal variations in the prevailing wind	Full compliance: All stockpiles are located in designated areas which allow for efficient management including dust suppression and revegetation. <u>Audit trail/supporting documentation:</u> Observations on-site	
Implement the Environmental, Health and Safety Guidelines prescribed Noise Impact Management Plan	Full compliance: The mine conducts regular noise monitoring reports in line with the noise management plan. <u>Audit trail/supporting documentation:</u> Figure 3.6-1: Noise monitoring report	
Construction impacts applicable to the specific expansion activities		
Construction impacts applicable to the proposed construction of the 3rd Concentrator and Bulk Ore Sorte		
During normal operation dirty water should be contained as specified in the design report and as per the requirements of the WUL	Not applicable: No construction is taking place.	
Paddocks should be constructed to minimise uncontrolled runoff from the site entering the clean water system		
Where practical construction should take place in the low flow period (dry season) to reduce probability of potential impact		
Stormwater culverts at watercourse crossings should be designed and constructed to accommodate the 1:50 year storm event		
Emergency action plans should be developed to deal with spillages		
Contractors should be made aware of the WUL conditions that apply during construction and made liable for environmental damages caused by spillages		
Contaminated runoff should be contained and reused as necessary		
Construction impacts applicable to the proposed construction the Blinkwater 2 TSF		

Description of impact and management	Findings/observations	Action plan
Local residents should be consulted to inform mitigation measures when addressing any potential impact on cultural heritage sites or graves, including intangible heritage such as cultural rites, initiation or circumcision	Full compliance: A comprehensive social consultation process was undertaken as part of the heritage impact assessment as well as the EIA/EMP. Further, any graves that were relocated were relocated in 2002. <u>Audit trail/supporting documentation:</u> Figure 3.8-1: Heritage impact assessment Section 13 of the approved EIA/EMP. Figure 3.8-2: EIA/EMP Comments and response report Figure 3.8-3: Permit reports confirming that graves were relocated	
Mitigation measures recommended in the Heritage Impact Assessment Study to be implemented		
Implement the existing chance finds procedure to deal with how to protect graves and heritage sites accidentally unearthed during construction		
Construction impacts applicable to the proposed construction of the North Waste Rock Dump and ore stockpiles		
Develop a management plan to address situations where land currently used by communities, within the mining and surface lease areas, will be lost due to the proposed project activities. The management plan should ensure that there is no net negative impact on the land user	Non-compliance: A management plan to address situations where land currently used by communities, within the mining and surface lease areas, will be lost due to the proposed project activities could not be provided by the mine.	Compile a management plan to address situations where land currently used by communities, within the mining and surface lease areas, will be lost due to the proposed project activities. <u>Responsible person:</u> Mine management <u>Timeframe:</u> Before next audit
Facilitate informed participation of all affected persons. Consultation to continue through the implementation, monitoring and evaluation phases	Full compliance: A comprehensive social consultation process was undertaken as part of the EIA/EMP.	

Description of impact and management	Findings/observations	Action plan
	<u>Audit trail/supporting documentation:</u> Section 13 of the approved EIA/EMP. Figure 3.8-2: EIA/EMP Comments and response report	
AAP must communicate their grievance mechanism to the affected persons in order to address concerns raised by affected parties	Full compliance: The mine has a complaints and grievance register in place. <u>Audit trail/supporting documentation:</u> Figure 3.6-4: Complaints and grievance register	
Take into account surrounding land uses and design postmining land use options to support and enhance long-term development options	Full compliance: The land uses of the mining area and surrounding area were identified in the approved EIA/EMP. <u>Audit trail/supporting documentation:</u> Approved EIA/EMP	
Hydrocarbon spills from vehicles must be cleaned immediately	Full compliance: The mine has spill management procedures in place in the case of any spillages. Mine personnel are also trained on HCS spillages. Spills are cleaned immediately and handled as per the spill handling procedures. <u>Audit trail/supporting documentation:</u> Figure 3.2-5: Spill handling procedure Figure 3.3-7: Spill handling and management awareness	
Hazardous substances and potentially polluting materials should be stored in appropriately bunded areas located outside of the riparian zone	Not applicable: There are no HCSs at this site.	
During normal operation dirty water should be contained as specified in the design report and as per the requirements of the WUL	Full compliance: There are paddocks in place for the WRD.	
Paddocks should be constructed to minimise uncontrolled runoff from the site entering the clean water system	<u>Audit trail/supporting documentation:</u>	

Description of impact and management	Findings/observations	Action plan
	Figure 3.4-8: North WRD designs	
Where practical construction should take place in the low flow period (dry season) to reduce probability of potential impact	Full compliance: According to mine personnel, construction took place during the dry season. <u>Audit trail/supporting documentation:</u> Communication with mine personnel	
Emergency action plans should be developed to deal with spillages	Full compliance: The mine has spill management procedures in place and mine personnel are trained on how to handle spillages. If spillages occur the contents of these procedures are followed, and remedial actions are developed to clean up the spillages. <u>Audit trail/supporting documentation:</u> Figure 3.2-5: Spill handling procedure Figure 3.3-7: Spill handling and management awareness Communication with mine personnel	
Contractors should be made aware of the WUL conditions that apply during construction and made liable for environmental damages caused by spillages	Non-compliance: Contractors are not made aware of the applicable IWUL conditions.	Ensure contractors are made aware of the IWUL conditions during induction. <u>Responsible person:</u> ECO/mine manager <u>Timeframe:</u> Ongoing
Contaminated runoff should be contained and reused as necessary e.g. for dust suppression	Full compliance: There are paddocks in place for the WRD.	

Description of impact and management	Findings/observations	Action plan
	<u>Audit trail/supporting documentation:</u> Figure 3.4-8: North WRD designs	
Vegetation clearing activities will be restricted to the demarcated infrastructure footprint area	Full compliance: Vegetation has only been cleared from the approved footprint and where necessary within the approved footprint area. <u>Audit trail/supporting documentation:</u> Observations on-site Review of Google Earth imagery	
Construction impacts applicable to the proposed construction of the Groot Sandsloot River diversion		
During normal operation dirty water should be contained as specified in the design report and as per the requirements of the WUL	Not applicable: No construction activities have taken place.	
Paddocks should be constructed to minimise uncontrolled runoff from the site entering the clean water system		
Where practical construction should take place in the low flow period (dry season) to reduce probability of potential impact		
Stormwater culverts at watercourse crossings should be designed and constructed to accommodate the 1:50 year storm event		
Emergency action plans should be developed to deal with spillages		
Contractors should be made aware of the WUL conditions that apply during construction and made liable for environmental damages caused by spillages		
Contaminated runoff should be contained and reused as necessary		
Operational impacts applicable to all the proposed expansion activities		
Maintain the existing dust management/mitigation measures on-site. Should dust levels increase the management/mitigation measures should be reviewed to ensure dust levels remain below the respective standards	Full compliance: Dust suppression occurs on site and there is an air quality management plan in place which ensures that regular dust fallout and air quality monitoring takes place.	
Adhere to the air quality management measures provided in the air quality section		

Description of impact and management	Findings/observations	Action plan
	<u>Audit trail/supporting documentation:</u> Figure 3.1-1: Water bowser Figure 3.1-3: Fall out dust monitoring report	
Implement MM's social incident management procedure for the Project including the existing grievance procedures to capture community and stakeholder concerns and grievances regarding environmental impacts	Full compliance: The mine has a social incidents, complaints and grievance procedure in place which is being implemented on-site. <u>Audit trail/supporting documentation:</u> Figure 3.9-3: Social incidents, complaints and grievance procedure	
Where practicable, stockpiles of soils and materials should be located as far as possible from sensitive receptors, taking account of prevailing wind directions and seasonal variations in the prevailing wind	Full compliance: All stockpiles are located in designated areas which allow for efficient management including dust suppression and revegetation. <u>Audit trail/supporting documentation:</u> Observations on-site	
Hydrocarbon spills from vehicles must be cleaned immediately	Full compliance: The mine has spill management procedures in place in the case of any spillages. Mine personnel are also trained on HCS spillages. Spills are cleaned immediately and handled as per the spill handling procedures. <u>Audit trail/supporting documentation:</u> Figure 3.2-5: Spill handling procedure Figure 3.3-7: Spill handling and management awareness	

Description of impact and management	Findings/observations	Action plan
Hazardous substances and potentially polluting materials should be stored in appropriately bunded areas located outside of the riparian zone	Non-compliance: HCSs are stored in bunded areas around the mine site that are located outside of the riparian zone. However, some HCS waste was observed being stored outside of these bunded areas. <u>Audit trail/supporting documentation:</u> Figure 3.9-2: HCS waste stored outside of bunded areas	Ensure all HCSs and HCS waste is stored within bunded areas. <u>Responsible person:</u> ECO/mine manager <u>Timeframe:</u> Ongoing
During normal operation dirty water should be contained as specified in the design report and as per the requirements of the WUL	Full compliance: There are sumps and PCDs in place for expansion activities that are currently being undertaken and for future expansion activities. Stockpiles have channels that lead to the PCDs and the PCDs are able to handle a 1:50 year flood event with a freeboard of 0.8 m. Paddocks have been installed where required. <u>Audit trail/supporting documentation:</u> Figure 3.4-2: Blinkwater TSF sump Figure 3.4-3: South concentrator PCD Figure 3.4-4: North concentrator PCD Figure 3.4-5: Return water dam Figure 3.4-6: Buffer dam Figure 3.4-8: North WRD designs	
Paddocks should be constructed to minimise uncontrolled runoff from the site entering the clean water system		
Stormwater culverts at watercourse crossings should be designed and constructed to accommodate the 1:50 year storm event	Unable to verify: The culverts on-site at the river crossings seem to be able to handle a 1:50 year flood event however the mine could not produce the designs for the crossings. No flooding incidences have occurred at the crossings yet.	

Description of impact and management	Findings/observations	Action plan
	<u>Audit trail/supporting documentation:</u> Observations on-site Communication with mine personnel	
Emergency action plans should be developed to deal with spillages	Full compliance: The mine has spill management procedures in place and mine personnel are trained on how to handle spillages. If spillages occur the contents of these procedures are followed, and remedial actions are developed to clean up the spillages. <u>Audit trail/supporting documentation:</u> Figure 3.2-5: Spill handling procedure Figure 3.3-7: Spill handling and management awareness Communication with mine personnel	
Contaminated runoff should be contained and reused as necessary	Full compliance: There are sumps and PCDs in place for expansion activities that are currently being undertaken and for future expansion activities. Stockpiles have channels that lead to the PCDs and the PCDs are able to handle a 1:50 year flood event with a freeboard of 0.8 m. Paddocks have been installed where required. <u>Audit trail/supporting documentation:</u> Figure 3.4-2: Blinkwater TSF sump Figure 3.4-3: South concentrator PCD Figure 3.4-4: North concentrator PCD Figure 3.4-5: Return water dam Figure 3.4-6: Buffer dam	

Description of impact and management	Findings/observations	Action plan
	Figure 3.4-8: North WRD designs	
Areas disturbed by activities should be rehabilitated immediately on completion of each area	Noted: Construction of expansion projects is either underway or has not yet begun.	
AAP must communicate their grievance mechanism to the affected persons in order to address concerns raised by affected parties	Full compliance: The mine has a complaints and grievance register in place. <u>Audit trail/supporting documentation:</u> Figure 3.6-4: Complaints and grievance register	
Take into account surrounding land uses and design postmining land use options to support and enhance long-term development options	Full compliance: The land uses of the mining area and surrounding area were identified in the approved EIA/EMP. <u>Audit trail/supporting documentation:</u> Approved EIA/EMP	
Operational impacts applicable to the specific expansion activities		
Operation phase impacts applicable to the proposed North Waste Rock Dump		
Maintain the existing dust management/mitigation measures onsite.	Full compliance: Dust suppression occurs on site and there is an air quality management plan in place which ensures that regular dust fallout and air quality monitoring takes place. Any exceedances are investigated and rectified by the mine. <u>Audit trail/supporting documentation:</u> Figure 3.1-1: Water bowser Figure 3.1-3: Fall out dust monitoring report	
Should dust levels increase the management/mitigation measures should be reviewed to ensure dust levels remain below the respective standards		
Adhere to the air quality management measures provided in the air quality section		
Implement MM's social incident management procedure for the Project including the existing grievance procedures to capture community and stakeholder concerns and grievances regarding environmental impacts	Full compliance: The mine has a social incidents, complaints and grievance procedure in place which is being implemented on-site.	

Description of impact and management	Findings/observations	Action plan
	<u>Audit trail/supporting documentation:</u> Figure 3.9-3: Social incidents, complaints and grievance procedure	
Where practicable, stockpiles of soils and materials should be located as far as possible from sensitive receptors, taking account of prevailing wind directions and seasonal variations in the prevailing wind	Full compliance: All stockpiles are located in designated areas which allow for efficient management including dust suppression and revegetation. <u>Audit trail/supporting documentation:</u> Observations on-site	
Closure/rehabilitation phase impacts applicable to all the proposed expansion activities		
Consult with provincial and national departments on sector specific programs for alignment throughout the life cycle of MM	Not applicable: There has been no closure of expansion activities yet.	
Ensure that provision is made for infrastructure development projects in the MM SLP with the aim of handing over these facilities to the MLM after closure		
Appoint a rehabilitation specialist to implement the requirements of the Closure and Rehabilitation Plan		
Consider surrounding land uses and design post-mining land use options to support and enhance long-term development options		
MM should consider reviewing their policies to ensure full compliance with Anglo American Standards and Policies		
It is proposed that AAP investigate alternative sustainable livelihood options for the workforce which can be developed as part of the closure plan while the mine is in operation. These alternative sustainable livelihood options can include agricultural programmes where produce can be sold to the surrounding operational mines and communities as well as alternative key skills development (plumbers, electricians etc.)		
The mine would need to engage with the communities from the planning phase already in order to identify what the communities and workforce would prefer in terms of alternative livelihood options.		

Description of impact and management	Findings/observations	Action plan
The Zimele programme should be used to build the capacity of businesses within the community, not with the ultimate goal of winning work at MM, but to gain experience at MM which they would then be able to use for future opportunities		
If not already the case the Zimele team's scope must be expanded to ensure they are creating lasting socio-economic opportunities for the community beyond mine closure		
It is advised that AAP provide training and skills development programmes specifically tailored to local persons interested in obtaining employment as part of municipal infrastructure programmes. It is furthermore advised that recognition of prior learning and training take place for all applicants with the relevant skills, but who may not have the necessarily qualifications		
In order to ensure that all AAP's policies and procedures translate into real time benefits to the local community it must become a requirement of all tender procedures that bidders comply with AAP principles and policies. The use of local business should also be promoted as far as possible by providing them with preferential		

3.9.1 Supporting documentation

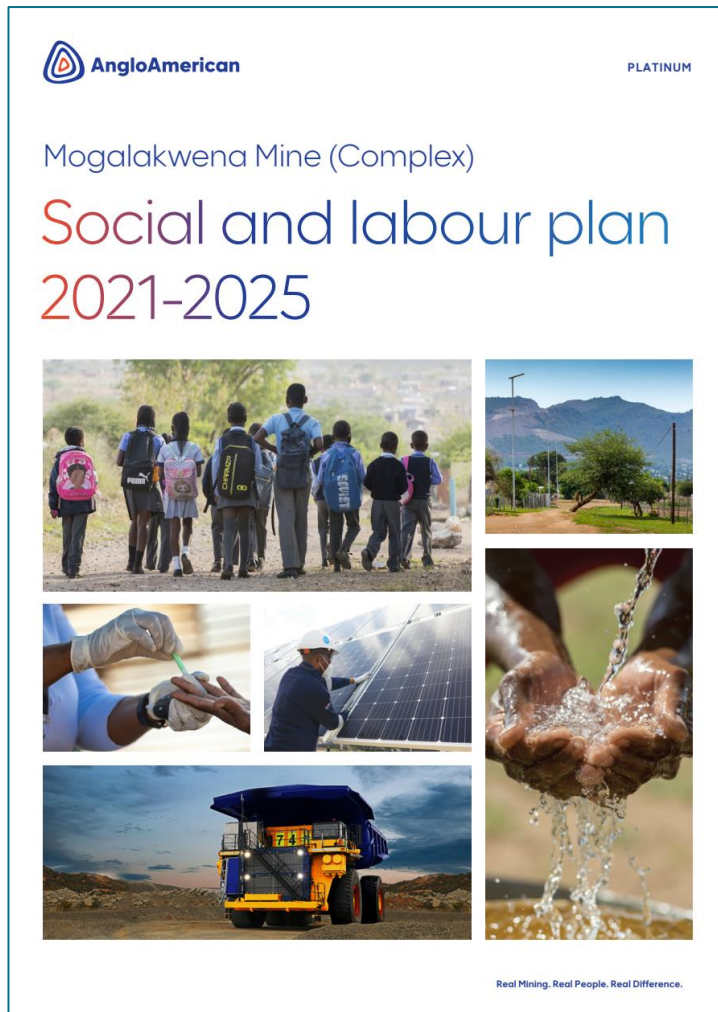


Figure 3.9-1: Social labour plan



Figure 3.9-2: HCS waste sored outside of bunded areas




MOGALAKWENA COMPLEX

SOCIAL INCIDENTS, COMPLAINTS AND GRIEVANCE MANAGEMENT

VERSION: 4.0

LAST REVISION DATE: 01 September 2021

FIRST IMPLEMENTATION DATE: 03 May 2016

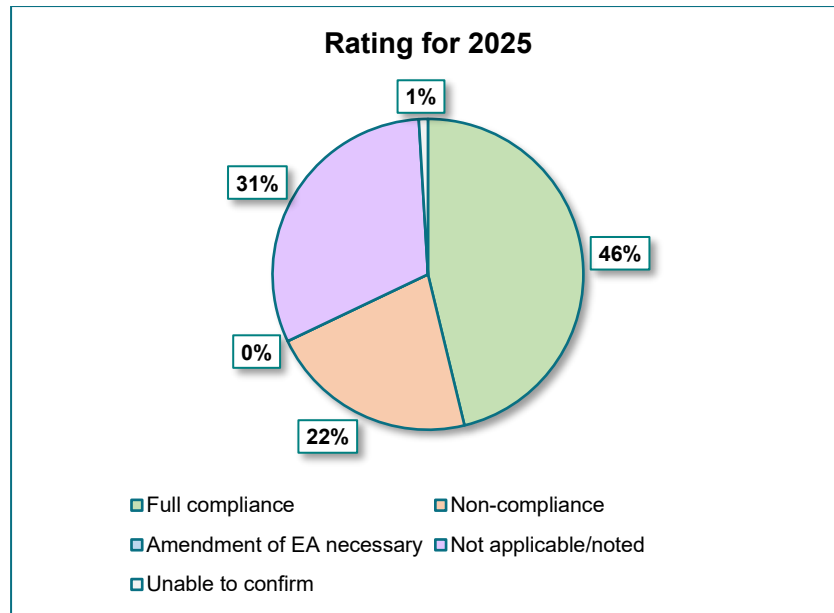
REFERENCE NUMBER: MS-CA-CTY-PRO-0001

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APPROVED BY:	Rameck Zishiri	Snr. Finance Manager		08Sep2021
APPROVED BY:	Willie Noordman	Snr. Engineering Manager		10Sep2021
APPROVED BY:	Lebang Gaobepe	Snr. Social Performance Manager		08Sep2021
APPROVED BY:	Tony Power	Snr. General Manager		14Sep2021

INTERNAL

Figure 3.9-3: Social incidents, complaints and grievance procedure

3.9.2 Summary of compliances



3.10 Palaeontology

Description of impact and management	Findings/observations
Construction impacts applicable to all the proposed expansion activities	
Although the proposed study area is exempted from further paleontological assessment, areas where the footprint is underlain by Malmani Subgroup sediments and excavations more than 1 meter deep into the Malmani Subgroup bedrock needs to be monitored by a professional palaeontologist as part of a Phase 1 assessment in case of chance exposure of stromatolite fossil remains, while such excavations are still open	Full compliance: The mine has palaeontological assessment in place for the expansion activities. The mine also has a chance find protocol in place in the case of any findings or discoveries during construction. Audit trail/supporting documentation: Figure 3.10-1: Palaeontological assessment Figure 3.10-2: Chance find protocol Error! Reference source not found.

3.10.1 Supporting documentation

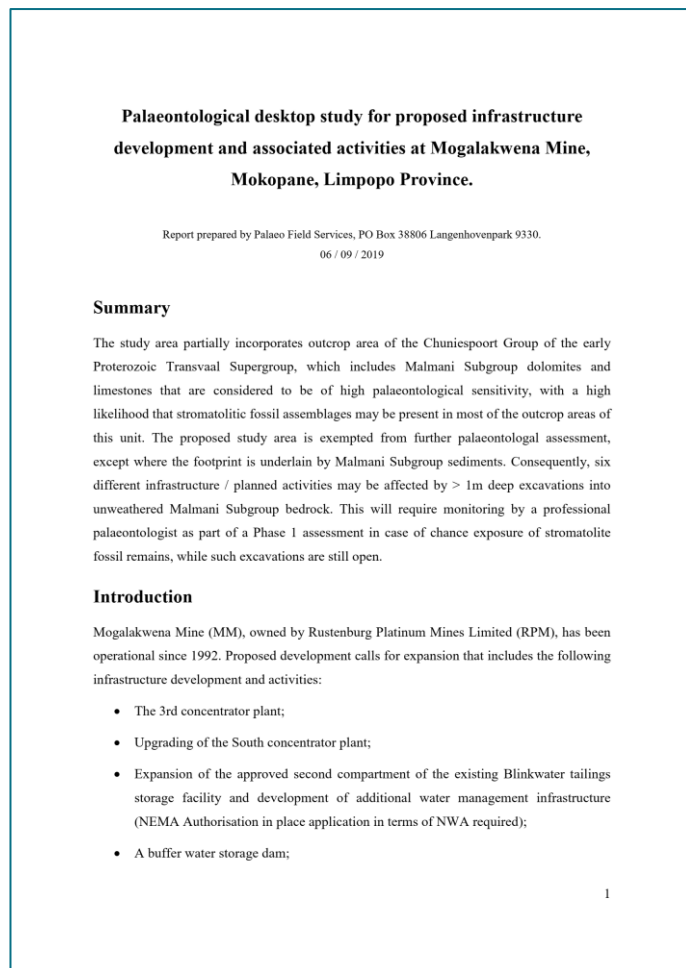


Figure 3.10-1: Palaeontological assessment

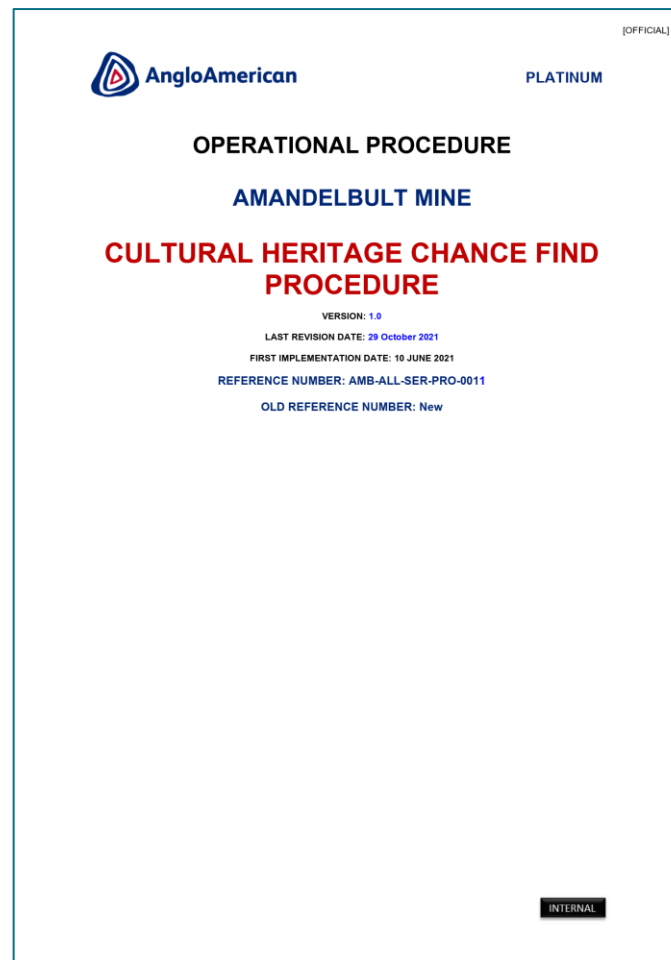
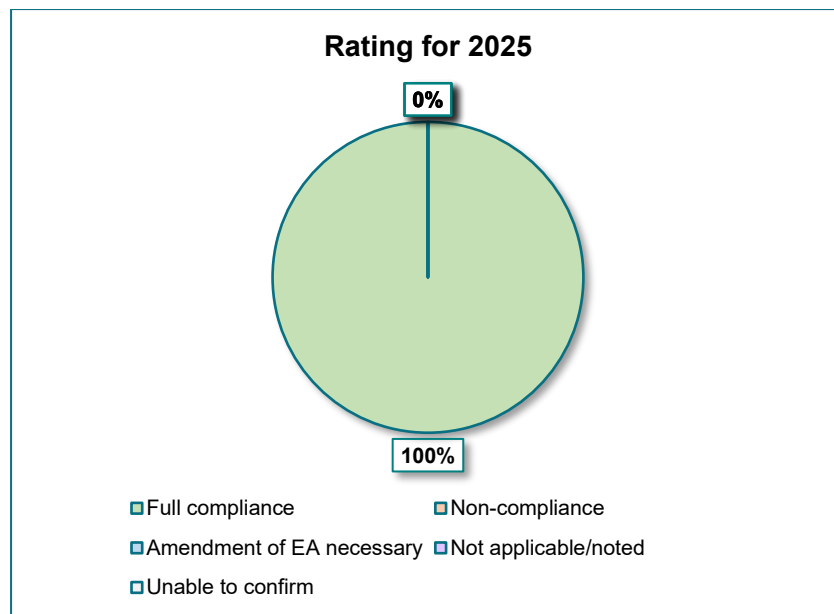


Figure 3.10-2: Chance find protocol

3.10.2 Summary of compliances



SECTION 4: EVALUATION OF COMPLIANCY TO THE ENVIRONMENTAL AUTHORISATION 2020

4.1 EA site specific conditions

EA ref	Condition description	Findings/observations
Page 8 and 9 of 31	Protected plant species must not be removed (disturbed, cut and destroy their products which may not be possessed, collected, removed, transported, exported, donated, purchased or sold) unless the necessary permission is granted by the Department of Agriculture, Forestry and Fisheries.	Full compliance: The mine conducted a protected plant species survey. No protected plant species have been removed thus far. <u>Audit trail/supporting documentation:</u> Figure 3.3-4: Protected plant locations
	All development footprint areas and areas affected by the proposed development must remain as small as possible and must not encroach onto the surrounding sensitive areas and the associated buffer zones.	Full compliance: All development and expansion projects that are underway are within the approved areas and boundaries and do not encroach onto sensitive areas. <u>Audit trail/supporting documentation:</u> Observations on-site Review of Google Earth imagery and designs
	Terms and conditions of the Integrated IWUL obtained from the DWS must be adhered to	Noted: The conditions of the IWUL will be audited as part of the IWUL audit.
	Wetland and riverine areas are to be considered as no go zones unless authorisation is obtained. Ensure that construction activities are outside the demarcated wetland area. No activity should be allowed to encroach on to wetland system	Full compliance: All wetland and riverine areas are no go areas on-site. Activities only encroach on these areas if authorised otherwise these areas are avoided. The mine conducted a wetland impact assessment to delineate these areas. <u>Audit trail/supporting documentation:</u> Observations on-site Figure 4.1-1: Wetland assessment

EA ref	Condition description	Findings/observations
	Rehabilitation of the environment affected by any activities undertaken must be done as committed on the approved EMPR	Not applicable: The activities are still currently being constructed or are operational and therefore rehabilitation is not yet being conducted.

4.1.1 Supporting documentation

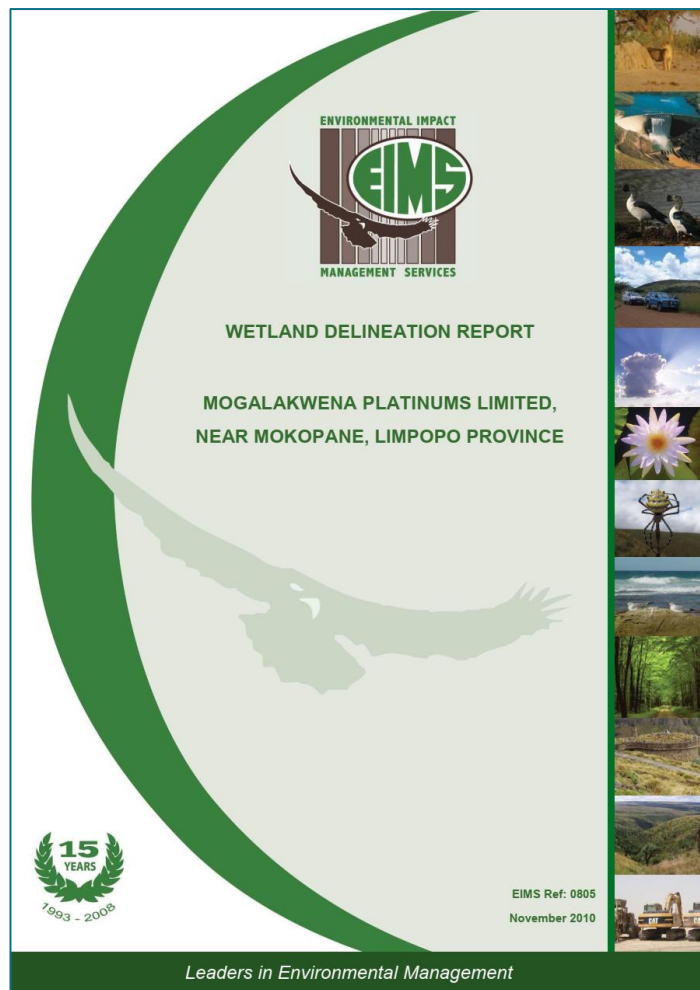
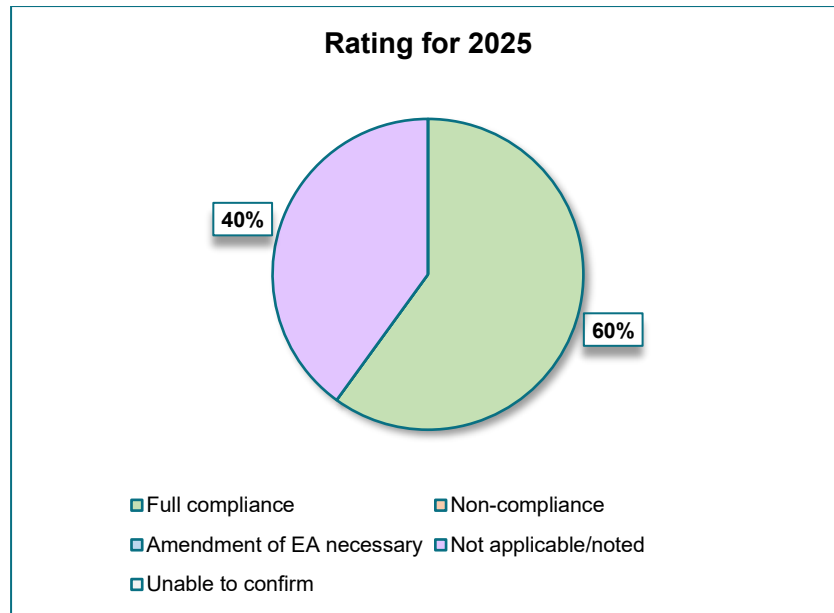


Figure 4.1-1: Wetland assessment

4.1.2 Summary of compliances



4.2 Annexure 2 (conditions of the Mogalakwena Mine expansion – Blinkwater TSF 2, Buffer dam, and Pollution Control Dam

4.2.1 Construction

EA ref	Condition description	Findings/observations
1.1 Page 18 of 31	Limitations: The recommendation does not exempt the designer from complying with any other legislation. The review refers only to the activity as specified and described in the signed design report and drawings listed under documentation submitted for consideration.	Full compliance: The designs of the Blinkwater 2 TSF, PCD, and buffer dam are being followed thus far. Audit trail/supporting documentation: Figure 4.2.1-1: Blinkwater 2 TSF designs Figure 4.2.1-2: PCD designs

EA ref	Condition description	Findings/observations
		Figure 4.2.1-3: Buffer dam designs
1.2 Page 18 of 31	Commencement: One month's written notice must be given to the Responsible Authority before commencement of construction activities. Such notice shall make clear reference to the site location details and the reference number of the project as indicated above, and similarly one month's written notice must be given to Responsible Authority before commencement of the operational phase activities.	Full compliance: The mine sends the Department a notification before construction activities take place on-site. <u>Audit trail/supporting documentation:</u> Figure 4.2.1-6: Notification sent to Department for commencement of construction activities
1.3 Page 18 of 31	Construction within the site must be carried out under the supervision of a professional civil engineer registered under the Engineering Profession of South Africa Act, 2000 (Act 46 of 2000)	Full compliance: The contractors on-site are registered engineers and supervise the construction. <u>Audit trail/supporting documentation:</u> Figure 4.2.1-1: Blinkwater 2 TSF designs Figure 4.2.1-2: PCD designs Figure 4.2.1-3: Buffer dam designs
1.4 Page 18 of 31	Deviation from accepted design: The license holder must notify the responsible authority in writing within 24 (twenty four) hours if any condition of this design and its acceptance cannot be, or is not, adhered to during construction and operation. The notification must be supplemented with reasons for non-compliance, and proposed rectification measures	Not applicable: There have been no deviations from the approved designs. <u>Audit trail/supporting documentation:</u> Communication with mine personnel
1.5 Page 18 of 31	Record keeping: Design and construction records, including topographical surveys and methodical material test results (on all material used), shall be maintained and archived by the Licence Holder and accessible for the life of the facilities (including decommissioning)	Full compliance: During the site inspection designs and records could be produced or shared electronically. <u>Audit trail/supporting documentation:</u> Observations on-site
1.6 Page 18 of 31	Accountability: The Responsible Authority shall not be held responsible for any damages or losses suffered by the applicant or its successor in title in any instance where construction or operation	Noted

EA ref	Condition description	Findings/observations
	subsequent to construction is temporarily or permanently stopped for reasons of non-compliance by the applicant with the conditions of the approval as set out in this document or any other subsequent document emanating from these conditions of acceptance	
1.7 Page 19 of 31	Overtopping of PCDs and/ or TSFs: any overtopping or discharge of polluted water from the PCDs of TSFs is to be reported as an incident within 24 hours, and treated as such, with appropriate remediation.	Noted: No such incidents have occurred. <u>Audit trail/supporting documentation:</u> Communication with mine personnel
1.8 Page 19 of 31	Demarcation, cordons, barriers and warning systems: the facility manager must place cordons, barriers and warning systems around facilities to define the nature and extent of each disposal or waste management area, and avoid intersection of different waste types as per National Environmental Waste Act Regulations 2013, Such signage shall include restrictions or access by humans or vehicles were appropriate, for safety and barrier integrity.	Full compliance: These areas are fenced off and have appropriate signage in place. <u>Audit trail/supporting documentation:</u> Figure 4.2.1-4: PCD fence and signage Figure 4.2.1-5: Buffer dam fence and signage
1.9 Page 19 of 31	Service Life and Total Solute transport through Blinkwater 2 TSF, Buffer Dam and alternative and differing barriers: due to the absence of qualified service life and calculated total solute transport for the three different barrier systems exposed to the same waste type on the same mine (which is a requirement of norms and standards -regulations) the Licence Holder shall: 1.9.1. Provide a ballast layer of cement stabilised tailings or similar of 200 mm thickness above the primary GM³¹ in both the buffer dam and replacement of Pollution Control Dam (this ballast is to provide confining pressure to the GCL³² to overcome bentonite extrusion, prevent GCL shrinkage, prevent down-slope migration of bentonite beneath wrinkles of the exposed GM, provide thermal installation to overcome UV³³ light and heat degradation of the thin GM, geodrain and GCL carrier polymers and provide mechanical protection to the liner (against fly rock, vandalism and similar). 1.9.2. Employ an accredited installation contract with certified welders, or similar, for the liner installation in the Buffer Dam. In particular the lower, 1.5 mm thick GC, shall with any extrusion fusion weld be limited	Full compliance: According to mine personnel, engineers, and after perusal of the designs, construction is taking place and has taken place as per this condition where feasible. <u>Audit trail/supporting documentation:</u> Figure 4.2.1-1: Blinkwater 2 TSF Figure 4.2.1-2: PCD designs Figure 4.2.1-3: Buffer dam designs
		Full compliance:

³¹ Geo-membrane³² Geosynthetic Clay Liners³³ Ultraviolet

EA ref	Condition description	Findings/observations
	to a width of 30 mm, be spark tested or similar and end of installation performance be validated by an ELLS ³⁴ to either ASTM D7007 or D88265 (by the contractor or an independent party) with the voltage map being included in the construction completion report submitted to the authorities.	According to mine personnel, this is taking place. Construction has not been completed yet and a final report will be compiled for the buffer dam. <u>Audit trail/supporting documentation:</u> Communication with mine personnel
	1.9.3. Undertake an ELLS in accordance with ASTM D8265 on the Blinkwater 2 TSF after placement of the 200mm thick soil cement stabilized protection and ballast layer.	Not applicable: The Blinkwater 2 TSF is still being constructed and is in the early stages of construction. Therefore, this is not yet applicable.
1.10 Page 20 of 31	Construction and Completion Certificate and Supporting evidence: Engineers certificate of construction completion shall be forwarded to the DWS regional office with supporting report of evidence demonstrating construction was in accordance with the accepted design with materials quality and installation as per the project specifications GM material and installation to comply with SANS ³⁵ 1526 (2015) and SANS 10409 as amended, as well as relevant GRI standard specifications for geo-drains and overlap.	Not applicable: Construction has not yet been completed.
1.11 Page 20 of 31	The Licence Holders professional engineer shall confirm that the TSF construction and discharge is sized adequately to manage the PMF ³⁶ throughout its life (including runoff from the quasi hillside abutment with Blinkwater 1 TSF, throughout its life, Furthermore, if more than 50,000 m ³ of water can be stored on top of the TSF, including temporarily, the Responsible Authority shall be notified (with intent to declare such dams being a dam with safety risk).	Not applicable: Construction has not been completed.
1.12 Page 20 of 31	Capacity of PCD and Buffer Dam: The applicant shall confirm the adequacy of storage capacity in both the Buffer Dam and PCD, based on a stochastic analysis, so as to not spill on average more than once in 50 years. Furthermore, all overtopping events shall be reported to the DWS as an incident and reported such.	Full compliance: According to mine personnel, there has been no such incidents. Further the designs indicate that the capacities are more than adequate to handle a 1:50 year flood event. <u>Audit trail/supporting documentation:</u> Communication with mine personnel

³⁴ Electric Leak Location Survey³⁵ South African National Standards³⁶ Probable maximum flood

EA ref	Condition description	Findings/observations
		Figure 4.2.1-2: PCD designs Figure 4.2.1-3: Buffer dam designs
1.13 Page 20 of 31	The PCD is considered a dam with a safety risk and thus should be appropriately registered with and licensed by the DWS Dam Safety Officer in accordance with Dam Safety Regulation (2012).	Full compliance: The PCD is registered with the dam safety office: <u>Audit trail/supporting documentation:</u> Figure 4.2.1-7: PCD dam safety registration
1.14 Page 20 of 31	Monitoring and Reporting: the monitoring reporting system for the mine shall include at least monthly records of water quality and quantity emanating from the above liner blanket drain of the TSF, and leak detection system of the Buffer Dam and inform the water conservation and demand management plan of the mine which shall be reported to the DWS regional office annually	Not applicable: Construction of the Blinkwater 2 TSF and buffer dam has not been completed.
1.15 Page 20 of 31	The site, or any portion thereof must be covered and maintained in such a way that- 1.15.1. The formation of pools, and or damming due to rain is prevented; 1.15.2. Free surface runoff of rain-water is ensured; 1.15.3. Contamination of stormwater is prevented; 1.15.4. Minimal or no erosion occurs	Not applicable: Construction has not been completed.

4.2.1.1 Supporting documentation

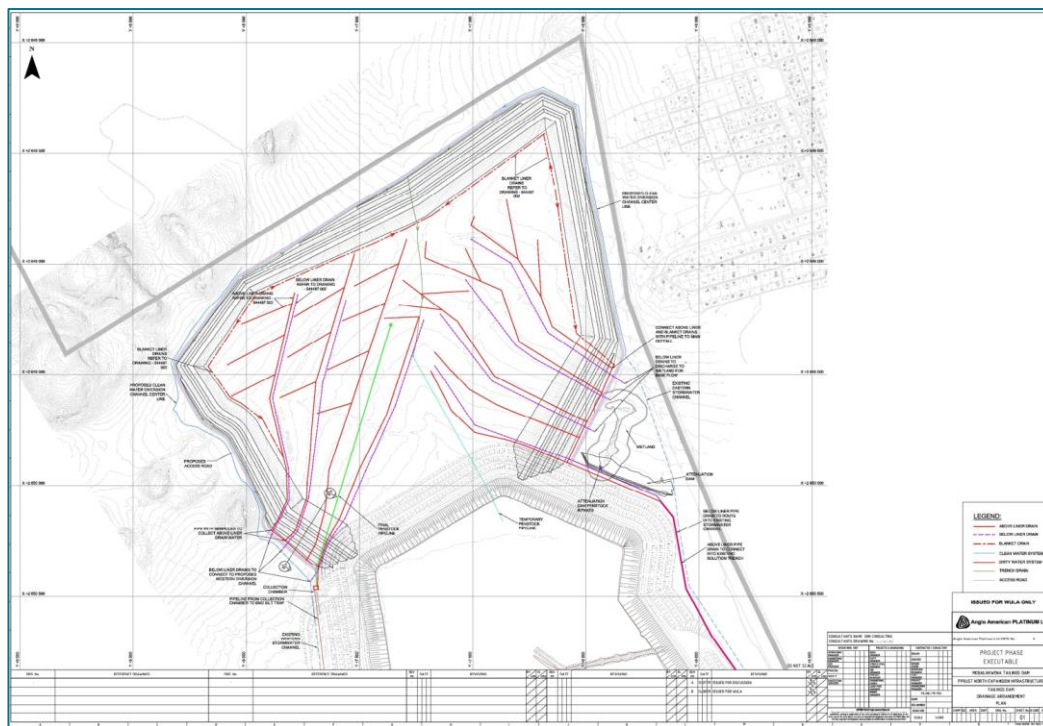


Figure 4.2.1-1: Blinkwater 2 TSF designs

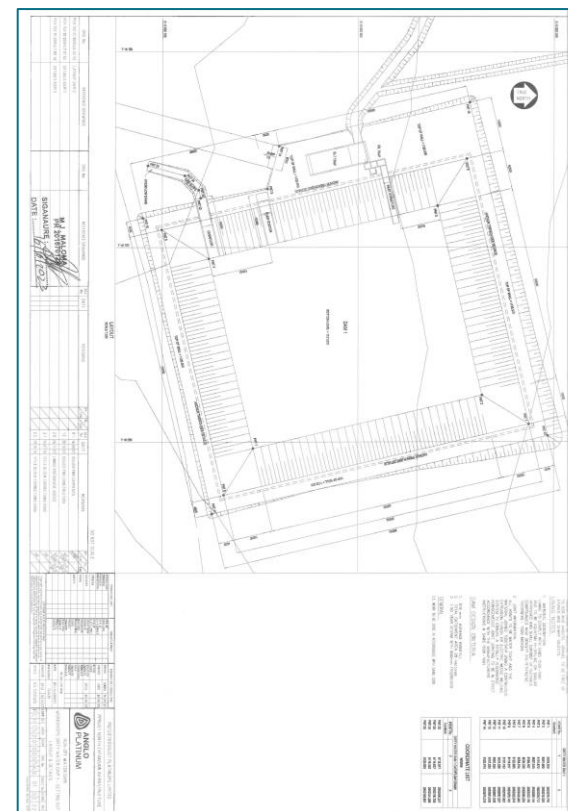


Figure 4.2.1-2: PCD designs

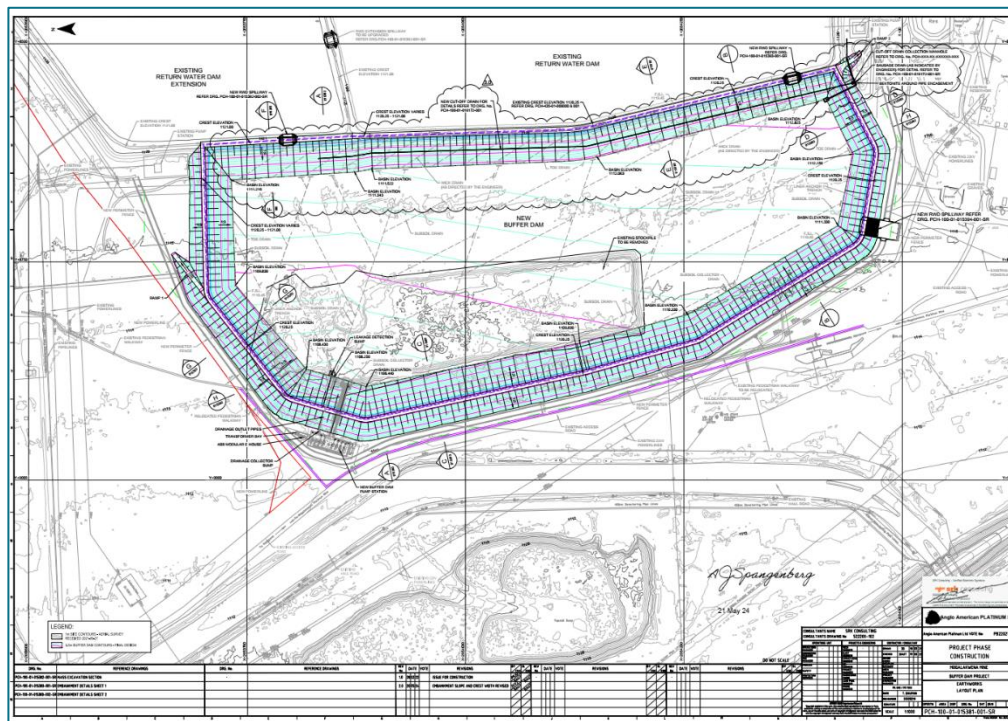


Figure 4.2.1-3: Buffer dam designs



Figure 4.2.1-4: PCD fence and signage



Figure 4.2.1-5: Buffer dam fence and signage

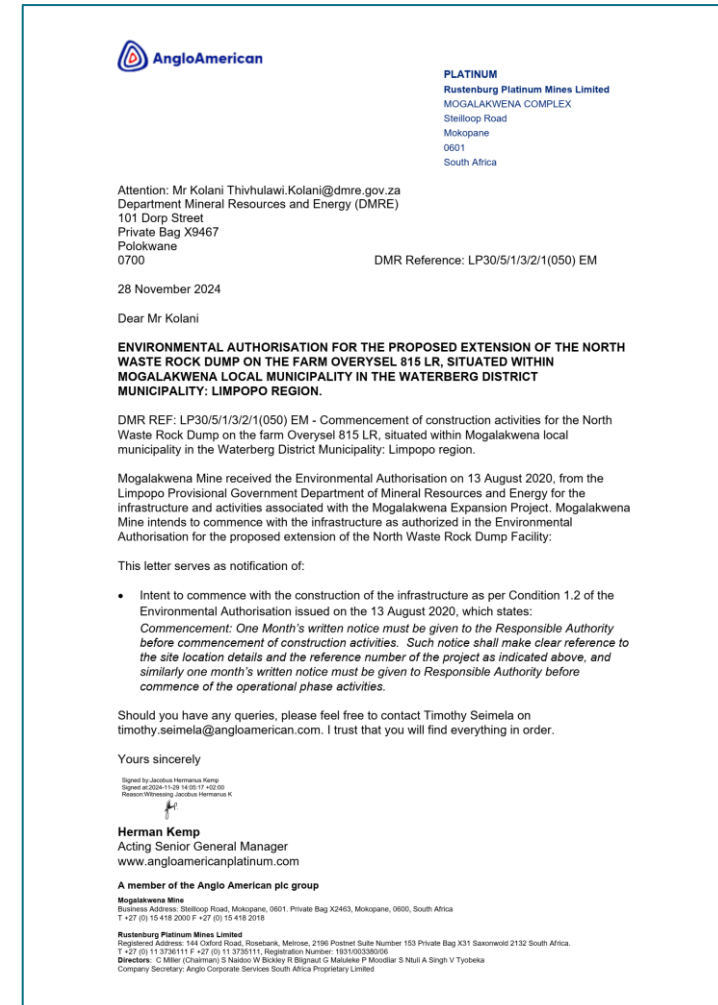


Figure 4.2.1-6: Notification sent to Department for commencement of construction activities

water & sanitation
Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

Private Bag X313, Pretoria 0001 / Sedibeng Building, 185 Francis Baard Street, Pretoria
Tel: 012 336 8432 Fax: 012 323 4470 or 012 326 2715

ReliefE@dws.gov.za

Ms E J Retief
(012) 336-8432
12/2/A601/46

Manager
Anglo American Platinum
P O Box 62179
MARSHALLTOWN
2107

Email: charl.joubert@angloamerican.com; Richard.cox@angloamerican.com

ATTENTION: MR C JOUBERT

Sir

THIRD DAM SAFETY EVALUATION REPORT OF A DAM WITH A SAFETY RISK REQUIRED IN TERMS OF REGULATION 35 OF THE REGULATIONS REGARDING SAFETY OF DAMS PUBLISHED IN GOVERNMENT NOTICE R. 139 DATED 24 FEBRUARY 2012: DAM 1160 (PPL) SITUATED ON THE FARM VAALKOP 819 LR, DISTRICT OF MOKOPANE

- Departmental letter 12/2/A601/46 dated 11 July 2018 indicates that the next dam safety evaluation should be done by 31 July 2023.
- In terms of Regulation 35 of the above Regulations, the third report on the dam safety evaluation compiled by the beforehand approved professional person, must be submitted to damsafety@dws.gov.za not later than **31 July 2023**.
- Please be reminded that you as the owner of Dam 1160 (PPL) accept full responsibility for any event that may happen at the dam between the target date for execution of the dam safety evaluation, submission of the report and the actual submission date of the report.
- Your attention is drawn to the fact that the professional person you appoint must be approved beforehand by this Department, to conduct the evaluation of the dam. This person will need ample time to execute, compile the report and to submit it. It is therefore advised that you must make your arrangements promptly, in order to submit the report on time.
- Your co-operation in this regard will be appreciated.

Yours faithfully


Ms E J Retief
Administration Officer; Directorate: Dam Safety Regulation
Date: 29 September 2022

Enclosure: Registration Information

Monday, 19 September 2022

Department of Water and Sanitation - Dam Safety Office
Registration Details of a Dam Registered in terms of Dam Safety Legislation of Chapter 12 of the National Water Act (Act No. 36 of 1998)
(Please note that registration for dam safety legislation is not an entitlement for water use in terms of Chapter 4 of the National Water Act)

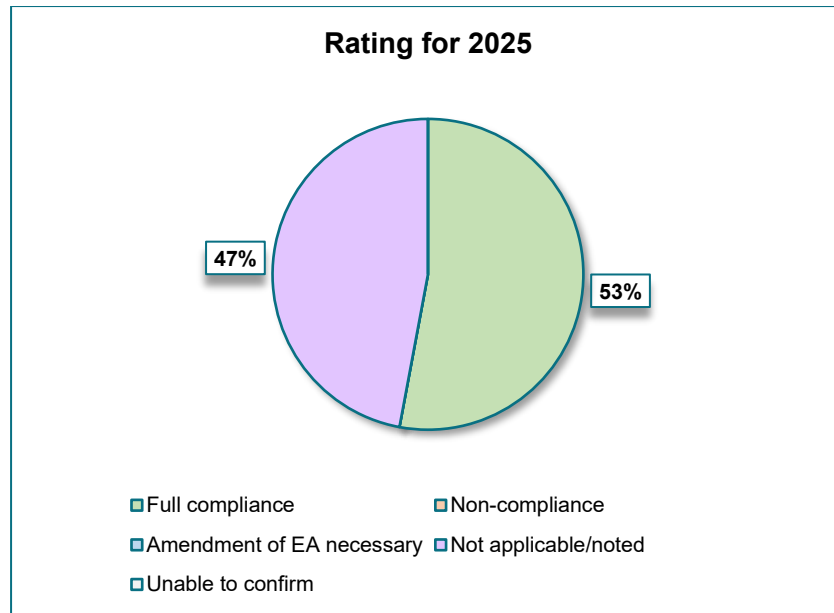
Departmental File No. : 12/2/A601/46	1	Dam Status: REG	WARMS Dam ID:
Water management area	DAM 1160 (PPL)	Drainage Nr:	A61G
Name of dam	24 0 53	Longitude	28 55 27
Latitude	MOKOPANE	WMA	Limpopo
Town nearest:	30	VAALKOP 819	
Distance from town (km)	LR		
Name of farm	LIMPOPO	Water Management Region:	LIMPOPO
Magisterial District	2003		
Province:			
Date of completion			
Raising or Alteration Date			
River			
Wall type	EARTHFILL & ROCKFILL		
Wall height (m)	25		
Crest length (m)	600		
Spillway			
Capacity (1000 cub. m)	374		
Surface area of water (ha)	3.7		
Purpose		Catchment area (sq km)	0
		RESIDUE DISPOSAL/PROCESS USE	

Owner	Person in Control (if not the same as the owner)
MANAGER	RUSTENBURG PLATINUM MINES
ANGLO AMERICAN PLATINUM	MOGALAKWENA COMPLEX
P O BOX 62179	PRIVATE BAG X2463
MARSHALLTOWN	MOKOPANE
2107	600
Tel no. 011 373-6111	Tel no. (015) 418 2364
Cell no.	Cell no.
Email / Fax richard.cox@angloamerican.c	Email / Fax charl.joubert@angloamerican.com

Designer	Contractor
SRK CONSULTING	FRASER ALEXANDER CONSTRUCTION
Registration date:	2003/05/09
Size Class: Medium	Status: Dam Registered as a Dam with a Safety Risk
Classification date:	Hazard Rating: Significant
	Category: 2
	Date Last DSE 2018/06/18
Date Completion Report:	Number Last DSE: 2

Figure 4.2.1-7: PCD dam safety registration

4.2.1.2 Summary of compliances



4.2.2 Monitoring

EA ref	Condition description	Findings/observations	Action plans
1. Page 21 of 31	Anglo American Platinum (Pty) Ltd Mogalakwena Mine must implement groundwater monitoring on quarterly basis in order to quantify impacts on groundwater resources during construction, operation and decommissioning phases.	Full compliance: The mine has implemented the groundwater monitoring procedure. Audit trail/supporting documentation: Figure 3.4-9: Groundwater monitoring procedure Figure 3.4-11: Water monitoring report December 2024	
2. Page 21 of 31	Early warning leachate detection system, seepage interception trenches as well as controls shall be put in place to minimize the impacts of pollution and to allow timely control of contamination incidents.	Full compliance:	

EA ref	Condition description	Findings/observations	Action plans
		Construction is still underway for the buffer dam and Blinkwater 2 TSF however the designs indicate that there will be a leachate detection system and seepage interception infrastructure in place. <u>Audit trail/supporting documentation:</u> Figure 4.2.1-1: Blinkwater 2 TSF designs Figure 4.2.1-3: Buffer dam designs	
3. Page 21 of 31	In the event that the groundwater and downstream water users are affected by migration of pollution from the Mine Residue Deposits, Mogalakwena Mine, shall compensate such affected water users with potable water as directed by the Responsible Authority.	Not applicable: Construction is still underway.	
4. Page 21 of 31	The groundwater monitoring network (including the existing network) for the site in terms of quality, quantity, parameters and frequency of monitoring as per section 12 of the hydrogeological report (Hydrological Specialist Report for Mogalakwena, Mokopane Limpopo, compiled by Itasca Africa (Pty) Ltd, dated October 2019) is supported and must be implemented and maintained throughout all the phases of mining.	Full compliance: The mine has implemented the groundwater monitoring procedure. <u>Audit trail/supporting documentation:</u> Figure 3.4-9: Groundwater monitoring procedure Figure 3.4-11: Water monitoring report December 2024	
5. Page 21 of 31	The Mogalakwena Mine must adhere to the proposed mitigation measures indicated in the Hydrological report mentioned above (Section 10.1.2 — Pag: 127, Section 10.2.2 — Page 129 to 130, Section 10.3.2- Page 131 and Section 10.4.2- Page 132).	Full compliance: The mitigation measures from the hydrogeological report are being adhered to as far as practically possible while construction is still underway. <u>Audit trail/supporting documentation:</u> Figure 4.2.2-1: Hydrogeological report	
6. Page 21 of 31	The groundwater remediation plan for the identified negative impacts on the groundwater resource that is being developed must be submitted to the Responsible Authority for approval	Non-compliance: A groundwater remediation plan is included in the post closure water management plan. However, no evidence was provided to support that it was submitted tot eh responsible authority.	Submit groundwater remediation plan to the responsible authority. <u>Responsible person:</u>

EA ref	Condition description	Findings/observations	Action plans
		<u>Audit trail/supporting documentation:</u> Figure 4.2.2-2: Post closure water management plan	ECO/mine manager <u>Timeframe:</u> Before next audit

4.2.2.1 Supporting documentation



Figure 4.2.2-1: Hydrogeological report

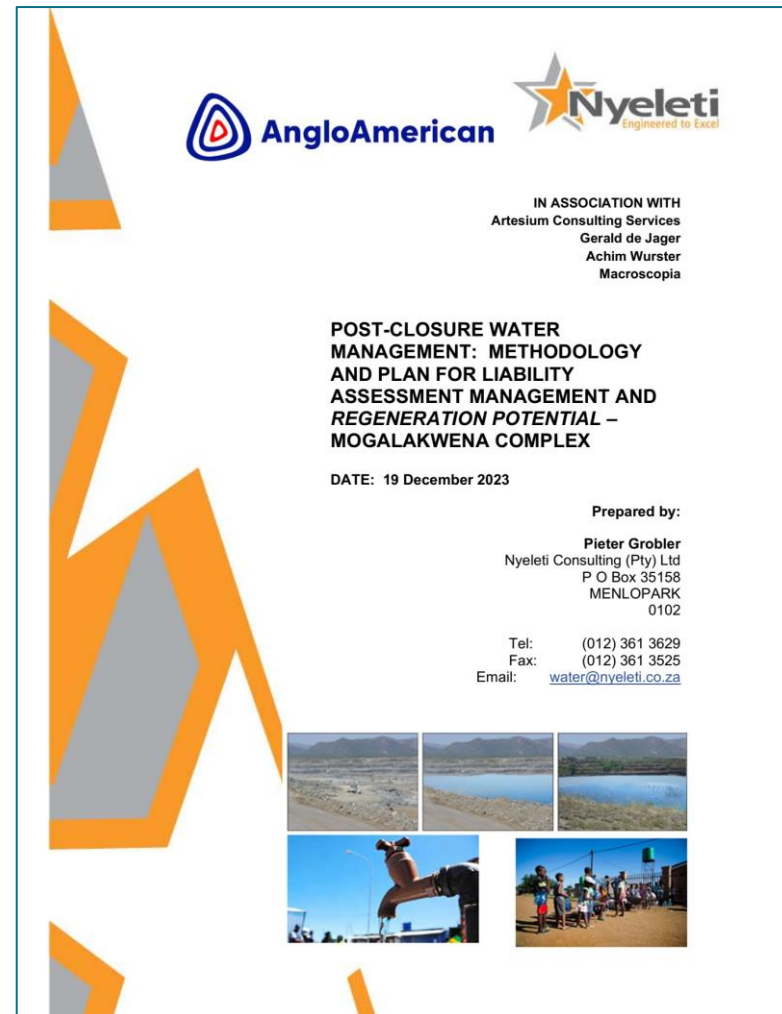
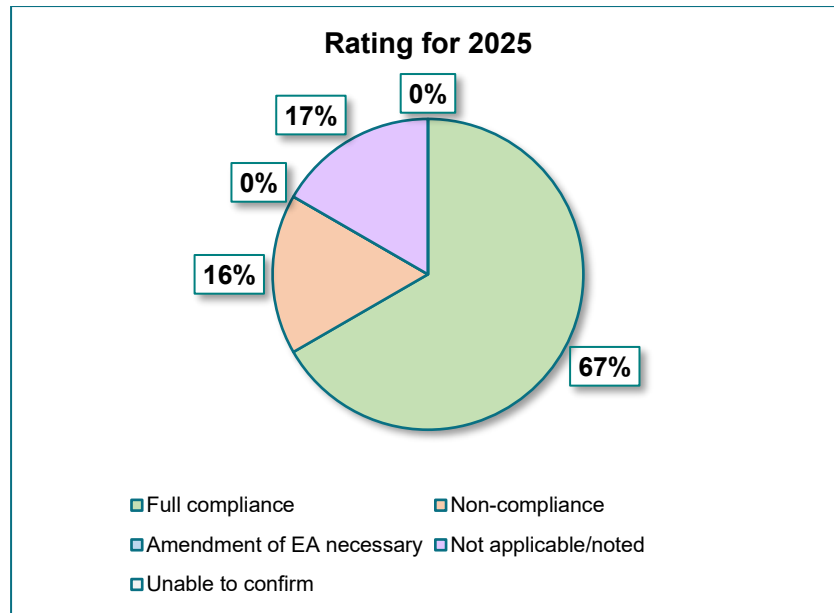


Figure 4.2.2-2: Post closure water management plan

4.2.2.2 Summary of compliances



4.3 Scope of authorisation

IEA reference	Condition description	Findings/observations	Action plan
1.1 Page 22 of 31	The holder of the IEA ³⁷ shall be responsible for ensuring compliance with the conditions contained in the IEA. This includes any person acting on the holder's behalf, including but not limited to an agent, servant, contractor, subcontractor, employee, consultant, or any person rendering a service to the holder of IEA.	Full compliance: All compliances and non-compliances are noted in this audit report which is submitted to DMPPR. All non-compliances have action plans in place.	

³⁷ Integrated Environmental Authorisation

IEA reference	Condition description	Findings/observations	Action plan
1.2. Page 22 of 31	Any changes to, or deviation from the project description set out in this IEA must be approved in writing by this Department before such changes or deviation may be effected. In assessing whether to grant such approval or not, the department may request such information as is deemed necessary to evaluate the significance and impacts of such changes or deviation and it may be necessary for the holder of the IEA to apply for further authorisation in terms of the EIA Regulations.	Noted: There are no changes to the project description. If there are changes, the Department will be consulted regarding this.	
1.3. Page 22 of 31	The activities, which are authorised, may only be carried out at the property(ies) indicated in the IEA and or on the approved EMP.	Full compliance: Activities within the IEA are only carried out on the approved properties. <u>Audit trail/supporting documentation:</u> Communication with mine personnel	
1.4 Page 22 of 31	Where any of the holder of the IEA contact details change including name of the responsible person, physical or postal address or telephonic details, the holder of the IEA must notify the department as soon as the new details become known to the holder of the IEA.	Full compliance: The contact details have changed and now this needs to be updated in the EA. DMPR was notified of the change in details. <u>Audit trail/supporting documentation:</u> Figure 4.3-1: Notification sent to DMPR for the change in name	
1.5 Page 22 of 31	The IEA does not negate the responsibility of the holder to comply with any other statutory requirements that may be applicable to the undertaking of the activity (ies).	Full compliance (with notes): The mine conducts annual audits on the IWUL and biennial EMP audits. However, full ELCA ³⁸ is recommended. <u>Audit trail/supporting documentation:</u> Figure 4.3-2: Latest IWUL audit	Conduct an ELCA. <u>Responsible person:</u> ECO/EAP <u>Timeframe:</u>

³⁸ Environmental Legal Compliance Audit

IEA reference	Condition description	Findings/observations	Action plan
			Before next audit
1.6. Page 22 of 31	The holder of IEA must ensure that all areas where the authorised activities occur have controlled access to ensure safety of people and animals.	Full compliance: There are safety berms and fencing around the mining area and activities in this IEA. <u>Audit trail/supporting documentation:</u> Figure 4.2.1-4: PCD fence and signage Figure 4.2.1-5: Buffer dam fence and signage	

4.3.1 Supporting documentation

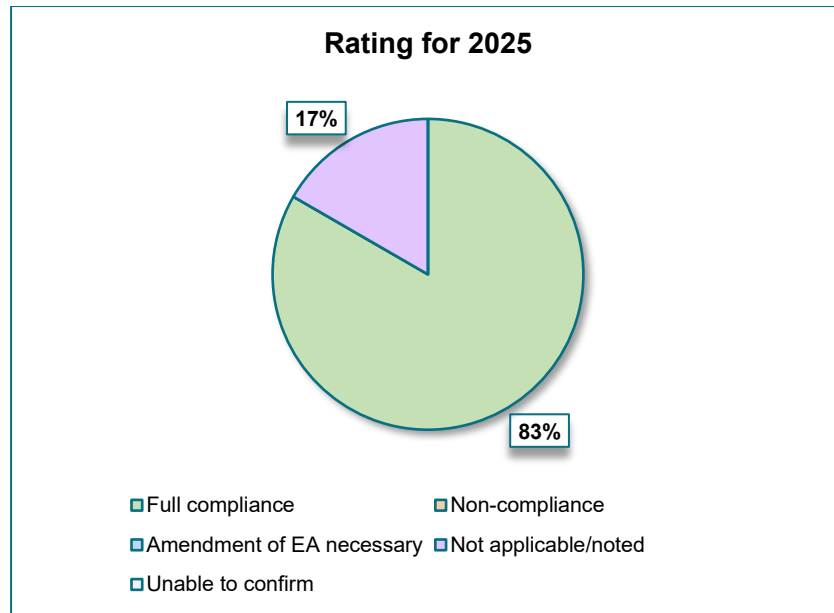


Figure 4.3-1: Notification sent to DMPR for the change in name



Figure 4.3-2: Latest IWUL audit

4.3.2 Summary of compliances



4.4 Appeal of authorisation

EA ref	Condition description	Findings/observations
2.1 and 2.2 Page 22 of 31	2.1 The holder of EA must in writing, within 14 (fourteen) calendar days from the date of this decision and in accordance with EIA Regulation 4(2) do the following: 2.2 Notify all registered I&APs ³⁹ of — 2.2.1 The outcome of the application; 2.2.2.The date of the decision; 2.2.3.The date of issue of the decision and;	Full compliance: A notification was sent out to all I&APs and Stakeholders notifying=g them of the decision to f=grant the EA. The EA was received on 13 August 2020, and the notification was sent out on 24 August 2020. <u>Audit trail/supporting documentation:</u> Figure 4.4-1: EA notification

³⁹ Interested and Affected Parties

EA ref	Condition description	Findings/observations
	2.2.4 The reasons for the decision as included in Annexure 1 and Departmental Standard Conditions in Annexure 2.	
2.3 Page 22 of 31	Draw the attention of all registered I&APs to the fact that an appeal may be lodged against the decision in terms of the National Appeals Regulations,	
2.4 Page 22 of 31	Draw the attention of all registered I&APs to the manner in which they may access the decision.	
2.5 Page 22 of 31	Provide the registered I&APs with: 2.5.1 Name of the holder (entity) of this EA 2.5.2 Name of the responsible person for this EA 2.5.3 Postal address of the holder; 2.5.4 Telephonic and fax details of the holder and 2.5.5 E-mail address of the holder if any.	

srk consulting

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Northlands 2116
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E: johannesburg@srk.co.za
W: www.srk.co.za

24 August 2020
532330

Dear Sir/Madam

Notification of the Environmental Authorisation	
Integrated Environmental Authorisation in terms of the National Environmental Management Act, 1998 (Act 107 of 1998) as amended (NEMA) and National Environmental Management Waste Act, 2008 (Act 59 of 2008) as amended (NEM:WA), and the Environmental Impact Assessment (EIA) Regulations, 2014 for the expansion of existing mine operations and the additional infrastructure to improve production capacity on the Remaining Extent of portion 0 of the farm Blinkwena 820 LR and Portions 0 of the farms Overysel 815 LR, Zwartfontein 818 LR, Vaalkop 819 LR and Sandsloot 236 KR, situated within Mogalawana Local Municipality in the magisterial district of Waterberg: Limpopo Region.	
DMR Reference Number: LP30/51/2/50 MR/LP30/51/2/3/21 EM	
The Limpopo Provincial Government Department of Mineral Resources and Energy (DMRE) has on 13 August 2020 granted authorisation to Mogalakwena Platinum Mine in terms of the National Environmental Management Act (Act No. 107 of 1998) and the National Environmental Management Waste Act (NEM:WA; no 59 of 2008) for the following activities associated with the mine's expansion project:	
NEMA Listing Activities	Description
GNR 983 Listing 1 – Activity 9	The development of infrastructure exceeding 1000 metres in length for the bulk transportation of water or storm water -(I) with an internal diameter of 0,36 metres or more; or (ii) with a peak throughput of 120 litres per second or more; excluding where - (a) such infrastructure is for bulk transportation of water or storm water or storm water drainage inside a road reserve or railway line reserve; or (b) where such development will occur within an urban area.
GNR 983 Listing 1 – Activity 10	The development and related operation of infrastructure exceeding 1000 metres in length for the bulk transportation of sewage, effluent, process waste, water, return water, industrial discharge or slimes - (i) with an internal diameter of 0,36 metres or more; or (ii) with a peak throughput of 120 litres per second or more; excluding where -(a) such infrastructure is for bulk transportation of sewage, effluent, process waste, water, waste water, return water, industrial discharge or slimes inside a road reserve; or(b) where such development will occur within an urban area.
GNR 983 Listing 1 – Activity 12	The development of - (i) dams or weirs, where the dam or weir, including infrastructure and water surface area, exceeds 100 square metres; or (ii) infrastructure or structures with a physical footprint of 100 square metres or more;

Partners & Directors: AJ Acamp, CJ Dagdelen, JM Dierckx, SA de Villiers, MD Tork, SS Jones, J Linde, A Marais, M Makwana, SD Olver, S Steiner, C Visser, C Wessels

Consultants: PJ Dixon, PHD GCS Huddle, PHD PGM Van der Merwe, PHD BSW van der Merwe, PHD R. Steyn, PHD E. Steyn, PHD J. Steyn, PHD K. Steyn, PHD L. Steyn, PHD M. Steyn, PHD N. Steyn, PHD O. Steyn, PHD P. Steyn, PHD Q. Steyn, PHD R. Steyn, PHD S. Steyn, PHD T. Steyn, PHD U. Steyn, PHD V. Steyn, PHD W. Steyn, PHD X. Steyn, PHD Y. Steyn, PHD Z. Steyn

Associate Partners: PJ Acamp, CJ Dagdelen, JM Dierckx, SA de Villiers, MD Tork, SS Jones, J Linde, A Marais, M Makwana, SD Olver, S Steiner, C Visser, C Wessels

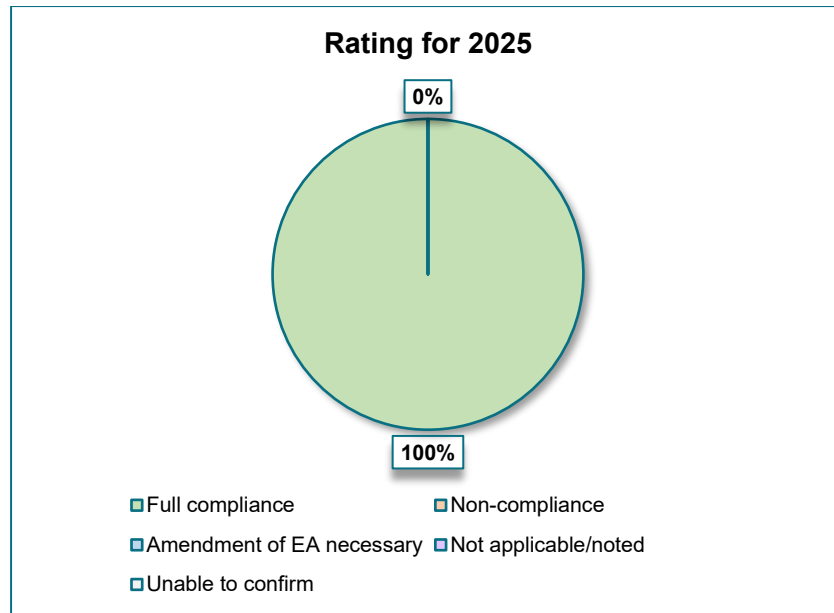
Group Offices:

- Africa: +27(0) 11 441 1111
- Asia: +27(0) 11 441 1111
- Australia: +27(0) 11 441 1111
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- North America: +27(0) 11 441 1111
- South America: +27(0) 11 441 1111

CEQA

SRK Consulting (South Africa) Pty Ltd Reg No: 1985/12/05/20/01

4.4.2 Summary of compliances



4.5 Commencement of the Activity (ies)

EA ref	Condition description	Findings/observations
3.1 Page 23 of 31	In order to ensure safety, all employees must be given the necessary PPE.	Full compliance: PPE is worn on-site by employees on-site. There are also notices on-site indicating that PPE must be worn. <u>Audit trail/supporting documentation:</u> Figure 4.5-1: PPE sign
3.2 Page 23 of 31	This EA must be provided to the site operator and the requirements thereof must be made fully known to him or her.	Full compliance: The approved EA is available to all site operators.

EA ref	Condition description	Findings/observations
		<u>Audit trail/supporting documentation:</u> Communication with mine personnel
3.3 Page 23 of 31	Hauling routes for construction vehicles and machinery must be clearly marked and appropriate signalling must be posted to that effect. Furthermore, movement of construction vehicles and machinery must be restricted to areas outside of the drainage lines or wet areas.	Full compliance: All haul routes are clearly marked and defined. Vehicles and machinery are not permitted in drainage lines. <u>Audit trail/supporting documentation:</u> Figure 4.5-2: Haul road
3.4 Page 23 of 31	Appropriate notification sign must be erected at the construction site, warning the public (residents, visitors etc.) about the hazard around the construction site and presence of heavy vehicles and machinery.	Full compliance: There are appropriate signs in place. <u>Audit trail/supporting documentation:</u> Figure 4.2.1-4: PCD fence and signage Figure 4.2.1-5: Buffer dam fence and signage
3.5 Page 23 of 31	Construction must include design measures that allow surface and subsurface movement of water along the drainage lines so as not to impede natural surface and subsurface water flow, and drainage measures must promote the dissipation of storm water runoff.	Full compliance: Only the buffer dam influences a watercourse, and this has been effectively diverted. <u>Audit trail/supporting documentation:</u> Figure 3.5-2: Mohlosane River diversion channel
3.6 Page 23 of 31	Vegetation clearance must be limited on areas where the individual activities will occur, and mitigation measures must be implemented to reduce the risk of erosion and alien species invasion.	Full compliance: Vegetation was only cleared from the approved areas and for the individual activities if necessary as this was on an already disturbed area. There was no sign of erosion or alien species these specific sites. <u>Audit trail/supporting documentation:</u> Observations on-site
3.7 Page 23 of 31	The holder of EA must note that in terms of the National Forest Act (Act No.84 of 1998) protected plant species, also listed in Limpopo Environmental Management Act (Act no.7 of 2003) must not be cut, disturbed, damaged, destroyed and their products must not be possessed, collected, removed, transported, exported, donated,	Full compliance: The mine conducted a protected species assessment on-site on all non-disturbed areas. Permits were received for the removal of plant species. <u>Audit trail/supporting documentation:</u>

EA ref	Condition description	Findings/observations
	purchased or sold unless permission is granted by the Department of Agriculture, Forestry and fisheries.	Figure 3.3-4: Protected plant locations Figure 4.5-3: Protected species removal permits
3.8 Page 23 of 31	Construction areas (e.g. material lay down areas), topsoil, and sub-soil must be protected from contamination or pollution. Stockpiling must not take place in drainage lines or areas where it will impede surface water runoff	Full compliance: The topsoil and subsoil are taken to the existing stockpiles which are outside of drainage lines and do not impede surface water runoff. <u>Audit trail/supporting documentation:</u> Observations on-site
3.9 Page 24 of 31	If any soil contamination is noted at any phase of the proposed activity (ies) the contaminated soil must be removed to a licensed waste disposal facility and the site must be rehabilitated to the satisfaction of the Department and Department of Water and Sanitation. The opportunity for the onsite remediation and re-use of contaminated soil must be investigated prior to the disposal and this Department must be informed in this regard.	Noted: According to mine personnel, no contamination has yet occurred.
3.10 Page 24 of 31	An integrated waste management approach must be implemented that is based on waste minimization and must incorporate avoidance, reduction, recycling, treat, reuse and disposal where appropriate. Uncontaminated rubble generated on the premises can be re-used as back filling material on site. Ensure that no refuse or rubble generated on the premises is placed, dumped or deposited on the adjacent properties or public places and open space.	Full compliance: The mine has a waste management procedure in place to ensure that waste management is undertaken efficiently. Further, no refuse or rubble is dumped on other properties, it is collected by the waste services on-site. There are various waste storage facilities on-site where waste is sorted and collected by waste contractors. <u>Audit trail/supporting documentation:</u> Figure 4.5-4: Waste management procedure
3.11 Page 24 of 31	In terms of sections 28 and 30 of NEMA, and sections 19 and 20 of the National Water Act, 1998 (Act No. 36 of 1998), any costs incurred to remedy environmental damage must be borne by the person responsible for the damage. It is therefore imperative that the holder of the EA reads through and understand the legislative requirements pertaining to the project. It is the holder of EA	Full compliance: Environmental awareness training takes place for employees and contractors. <u>Audit trail/supporting documentation:</u> Figure 4.5-10: Environmental training attendance register

EA ref	Condition description	Findings/observations
	responsibility to take reasonable measures which include informing and educating contractors and employees about environmental risks of their work and training them to operate in an environmentally acceptable manner.	
3.12 Page 24 of 31	Construction vehicle must be serviced and maintained in the manner whereby no excessive smokes and noise production is reduced to acceptable levels, and to prevent oil leaks. Contaminated soil must be remediated on site or removed to an authorised landfill site.	Full compliance: Vehicles are serviced on a regular basis to ensure that this does not occur. Any soil contamination is treated at the bioremediation plant. the vehicle service area was in good working order and bunded. No excessive smoke was seen from vehicles on-site. <u>Audit trail/supporting documentation:</u> Figure 4.5-5: Vehicle service area
3.13 Page 24 of 31	Residents (if any) on the property (ies) and surrounding areas must be informed if any unusually noisy activities are planned.	Full compliance: There are blasting boards around the site indicating the times for blasting to take place. <u>Audit trail/supporting documentation:</u> Observations on-site
3.14 Page 24 of 31	Dust suppression measures must be implemented on all exposed surface to minimize and control airborne dust.	Full compliance: Dust suppression takes place on the mine on haul roads, stockpiles, and necessary working areas. <u>Audit trail/supporting documentation:</u> Observations on-site Figure 3.1-1: Water bowser
3.15 Page 24 of 31	Mixing of cement, concrete, paints, solvent, sealants and adhesive must be done in specified areas on concrete aprons or on protected plastic linings to contain spillage or overflow onto soil to avoid contamination of underground water and environmental damage.	Full compliance: The mixing of such substances only occurs in authorised areas that have an impermeable floor. <u>Audit trail/supporting documentation:</u> Communication with mine personnel
3.16 Page 24 of 31	Should any heritage remains be exposed during operation or any actions on the site, these must immediately be reported to the	Full compliance:

EA ref	Condition description	Findings/observations
	SAHRA and or LIHRA ⁴⁰ (in accordance with the applicable legislation). Heritage remains uncovered or disturbed during earthworks must not be further disturbed until the necessary approval has been obtained from the SAHRA and or LIHRA. Heritage remains include: archaeological remains (including fossil bones and fossil shells); coins; middens, indigenous and/or colonial ceramics; any articles of value or antiquity; marine shell heaps; stone artefacts and bone remains; structures and other built features; rock art and rock engravings; shipwrecks; and graves or unmarked human burials. A qualified archaeologist must be contracted where necessary (at the expense of the applicant and in consultation with the relevant authority) to remove any human remains in accordance with the requirements of the relevant authority.	A heritage impact assessment was conducted for the expansion project sites which included a site visit from a qualified archaeologist. All heritage sites were managed in accordance with the heritage impact assessment and approved EMP. <u>Audit trail/supporting documentation:</u> Figure 3.8-1: Heritage impact assessment Figure 3.8-2: EIA/EMP Comments and response report Figure 3.8-3: Permit reports confirming that graves were relocated
3.17 Page 24 of 31	Care must be taken to ensure that the material and excavated soil required for backfilling are free of contamination from hydrocarbons.	Full compliance: The topsoil and subsoil are taken to the existing stockpiles which are stored in demarcated areas to avoid contamination. <u>Audit trail/supporting documentation:</u> Observations on-site Google Earth verification
3.18 Page 24 of 31	Hydraulic fluid or chemicals required during construction must be stored in a concrete lined surface with bund walls and shall be designed in such a manner that any spillage can be contained and reclaimed without any impact on the surrounding environment. Should any spills occur it should be cleaned immediately by removing spillage together with the polluted solids and dispose it in the authorised disposal site permitted of such waste. The regional	Full compliance: All HCSs are kept in a bunded and lined area. No spillages have occurred on-site. If any spills occur any contaminated soil is taken to the bioremediation plant for treatment. <u>Audit trail/supporting documentation:</u> Figure 4.5-6: HCS storage area

⁴⁰ Limpopo Heritage Resource Agency

EA ref	Condition description	Findings/observations
	office of the Department of Water and Sanitation must be notified within 24 hours of an incident that may pollute surface and underground water resources.	
3.19 Page 25 of 31	Chemical sanitation facilities or system such as toilets that do not rely on the seepage of liquids must be provided with a ratio of 1 for every 15 workers. These must be placed such that they prevent spills or leaks to the environment and must be maintained according to the operating instructions and the content thereof must be disposed of at an authorised waste water treatment works.	Full compliance: There are adequate sanitation facilities on-site. <u>Audit trail/supporting documentation:</u> Observations on-site
3.20 Page 25 of 31	The holder of EA must ensure that any water uses listed in terms of Section 21 of National Water Act must get authorization from Department of Water and Sanitation prior to the commencement of such activity (ies).	Full compliance: The mine has an IWUL in place. <u>Audit trail/supporting documentation:</u> Figure 4.5-7: Approved IWUL
3.21 Page 25 of 31	This EA does not purport to absolve the holder of EA from its common law obligations towards the owner of the surface of land affected.	Noted
3.22 Page 25 of 31	The holder of EA must ensure that rehabilitation of the disturbed areas caused by operation at all times comply with the previously approved EMP.	Noted: The facilities are still under construction and operational, and so rehabilitation has not been required. <u>Audit trail/supporting documentation:</u> Observations on-site
3.23 Page 25 of 31	This EA may be amended or withdrawn at any stage for non-compliance and provides no relief from the provisions of any other relevant statutory or contractual obligations.	Noted
3.24 Page 25 of 31	The holder of EA must note that in terms Section 43A of the National Environmental Management: Waste Act, 2008 (Act No.59 of 2008), residue deposit and residue deposit must be deposited and managed in a prescribed manner on any site demarcated for that	Noted: The Blinkwater 2 TSF is still being constructed and therefore no material is being deposited yet.

EA ref	Condition description	Findings/observations
	purpose in the Environmental Management Plan or Environmental Management Programme. No person may temporary or permanently deposits residue stockpile or residue deposit on any area or site other than on site indicated on the Environmental Management Plan or Environmental Management Programme.	
3.25 Page 25 of 31	The holder of EA must note that in terms Section 20 of the National Environmental Management: Waste Act, 2008 (Act No.59 of 2008), no person may commence, undertake or conduct a waste management activity, except in accordance, with the requirements of norms and standards determined in terms of Section 19 (3) for that activity or a waste management licence is issued in respect of that activity if licence is required.	Full compliance: A waste management license is in place for the relevant infrastructure. <u>Audit trail/supporting documentation:</u> Figure 4.5-8: Waste management license
3.26 Page 25 of 31	An appeal under Section 43 (7) of the NEMA suspend an EA or exemption or any provisions of conditions attached hereto, or any directive unless the Minister directs otherwise.	Noted: Not such appeals have been received.
3.27 Page 25 of 31	Should you be notified by the Minister of a suspension of the authorisation pending appeal procedure, you may not commence with the activity (ies) until such time that the Minister allows you to commence with such activity (ies) in writing.	Noted
3.28 Page 25 of 31	The Department reserves the right to audit and/or inspect the activity (ies) without prior notification at any reasonable time and at such frequency as may be determined by the Regional Manager.	Noted
3.29 Page 25 of 31	The waste storage site must have a firm, impermeable, chemical resistant floors and a roof to prevent direct sunlight and rain water from getting in contact with the waste.	Full compliance: All HCSs are kept in a bunded and lined area with a roof. <u>Audit trail/supporting documentation:</u> Figure 4.5-6: HCS storage area
3.30 Page 26 of 31	The storage of hydrocarbons must have bund walls with adequate capacity to contain the maximum volume that is stored in the area.	Full compliance:

EA ref	Condition description	Findings/observations
	Uncontaminated storm water must be prevented from coming into contact with the waste and must be diverted away from the storage site.	All HCSs are kept in a bunded and lined area with a roof. The hydrocarbons kept on-site are stored in an adequately bunded storage tank. <u>Audit trail/supporting documentation:</u> Figure 4.5-9: Hydrocarbon storage area
3.31 Page 26 of 31	The proposed activity must commence within 10 years. If the commencement of the proposed activity does not occur within the specified period, the EA lapses and a new application for EA in terms of the NEMA and the EIA Regulations should be made for the activity to be undertaken.	Full compliance: The activities commenced within 10 years of the EA being granted. <u>Audit trail/supporting documentation:</u> Observations on-site Communication with mine personnel
3.32 Page 26 of 31	The commissioning and decommissioning of individual activity within the overall listed mining activity must take place within the phases and timeframes as set out in the EMP or EMPr.	Not applicable
3.33 Page 26 of 31	The IEA will only be effective on the event that a corresponding right is issued in terms of MPRDA ⁴¹ as amended and none of the activities listed in this IEA may commence without a right.	Noted
3.34 Page 26 of 31	The listed activity (ies), including site preparation, must not commence within 20 (twenty) calendar days of the date of the notification of the decision being sent to the registered I&APs. In the event that an appeal is lodged with the appeal administrator, the effect of this environmental authorisation is suspended until such time as the appeal is decided.	Full compliance: The activities did not commence within the 20-day period. <u>Audit trail/supporting documentation:</u> Communication with mine personnel
3.35 Page 26 of 31	Should there be any conflicting conditions between this EA and other approval granted by other authorities, it is upon the holder of EA to bring it to the attention of the Department for resolution.	Noted: There are no such conditions.

⁴¹ Mineral and Petroleum Resources Development Act 28 of 2002

4.5.1 Supporting documentation



Figure 4.5-1: PPE sign



Figure 4.5-2: Haul road

LICENCE LP – WDM – 0100 - 2024-25



**forestry, fisheries
& the environment**
Department:
Forestry, Fisheries and the Environment
REPUBLIC OF SOUTH AFRICA

Enquiry: Mrs. N.A Mudau, Tel: 015 287 9664, Email: namudau@dffe.gov.za

LICENCE LP – WDM – 0100 - 2024-25

TO AUTHORISE ACTIONS AND ACTIVITIES AFFECTING PROTECTED TREES: CUT, DISTURB, DAMAGE, AND DESTROY PROTECTED TREES IN TERMS OF [SECTION 15(1)] OF THE NATIONAL FORESTS ACT, 1998, AS AMENDED]

This licence –

Grants authority under the National Forests Act, 1998 (Act No. 84 of 1998), as amended, to carry on one or more of the activities, upon such conditions, and for such a period, as specified in more detail below;

Does not exempt the licensee from adhering to the provisions of any other law; is valid for the period:

28 August 2024 to 28 August 2025

Must be amended/extended at the nearest Forestry office **BEFORE** expiry of the specified period if still required.

A PARTICULARS OF LICENSEE AND GENERAL INFORMATION	
Name of licensee	Rustenburg Platinum Mines Limited, Mogalakwena mine
Representative	Willie Noordman
ID/Passport Number	Passport A06123770
Postal address	P/Bag X2463
	Mokopane
	0600
Physical address	Steilloop Road
	Mokopane
	0601
Contact Details	Tel: 015 418 2133 Cell: N/A Fax: N/A
E-mail Address	Willie.noordman@angloamerican.com
Name and number of property	Overysel 815 LR, Zwartfontein 818 LR
Location of property	Limpopo Province, Waterberg District, Mogalakwena Local Municipality
Name of forest	N/A

N.A
1 of 3

Figure 4.5-3: Protected species removal permits

[OFFICIAL]



PLATINUM

OPERATIONAL PLAN

MOGALAKWENA COMPLEX

WASTE MANAGEMENT PLAN

VERSION: 1.0

LAST REVISION DATE: 16 November 2022

FIRST IMPLEMENTATION DATE: See approved date

REFERENCE NUMBER: MS-SHE-ENV-PLAN-0001

OLD REFERENCE NUMBER: N/A

	NAME	POSITION	SIGNATURE	DATE
AUTHOR:	Timothy Seimela	Environmental Superintendent		08/10/22
REVIEWED BY:	Herman van Rooyen	Snr. Asset Manager		08/10/22
APPROVED BY:	Lerato Itumeleng	Act. HRD Manager		08/10/22
APPROVED BY:	Mike Molefe	SHE Manager		08/10/22
APPROVED BY:	Job Sithole	Resident Engineer - Mining		08/10/22
APPROVED BY:	Gerhard Pretorius	SEM- MNC		08/10/22
APPROVED BY:	Lufuno Mbedzi	SEM-MSC		08/10/22
APPROVED BY:	Jonathan Mochabane	RE- Central Services		08/10/22
APPROVED BY:	Alwyn Jordaan	Snr. Engineering Manager		08/10/22
APPROVED BY:	Wandy Maredi	Act. MRM Manager		08/10/22
APPROVED BY:	Herman Kemp	Concentrator Manager		08/10/22
APPROVED BY:	Colleen Tema	Snr HR Manager		08/10/22
APPROVED BY:	Willie Noordman	Snr. General Manager		08/10/22

INTERNAL

Figure 4.5-4: Waste management procedure



Figure 4.5-5: Vehicle service area



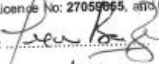
Figure 4.5-6: HCS storage area

**water & sanitation**
Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

Private Bag X313, Pretoria, 0001, Sedibeng Building, 185 Francis Baard Street, Pretoria
Tel: (012) 336-7500, Fax: (012) 326-4472/ (012) 326-2715

**LICENCE IN TERMS OF CHAPTER 4 OF THE
NATIONAL WATER ACT, 1998 (ACT NO. 36 OF 1998) (THE ACT)**

I, **Trevor Balzer**, in my capacity as Acting Director-General in the Department of Water and Sanitation and acting under authority of the powers delegated to me by the Minister of Human Settlements, Water and Sanitation, hereby authorises the amendment of licences dated **12 March 2007** of Licence No: **27050965**, and **02 October 2017** of Licence No. **14/A61G/GICABJ/5053**.

SIGNED: 
DATE: **4/12/2020**

LICENCE NO: 07/A61G/ABCGIJ/9887
FILE NO: 27/2/2/A761/7/1
REF. NO: WU11262
VERSION: 01-2020

1. Licensee: **Rustenburg Platinum Mines Ltd: Mogalakwena Mine Section**
Postal Address: **PO Box 3391
Polokwane
0700**

2. Water Uses

2.1 Section 21 (a) of the Act: Taking water from a water resource.
2.2 Section 21 (c) of the Act: Impeding or diverting the flow of water in a watercourse.
2.3 Section 21 (i) of the Act: Altering the bed, banks, course or characteristics of a watercourse.
2.4 Section 21 (g) of the Act: Disposing of waste in a manner which may detrimentally impact on a water resource.
2.5 Section 21 (j) of the Act: Removing, discharging or disposing of water found underground if it is necessary for the efficient continuation of an activity or for the safety of people.

3. Properties in respect of which this licence is issued

3.1 Portion 0 of the farm Overysel 815 LR,
3.2 Portion 0 of the farm Zwartfontein 818 LR,
3.3 Portion 0 of the farm Blinkwater 820 LR,
3.4 Portion 0 of the farm Sandstoot 236 KR,
3.5 Portion 0 of the farm Vaalkop 819 LR

B12379

Page 1 of 28

Figure 4.5-7: Approved IWUL

**mineral resources
& energy**
Department:
Minerals Resources and Energy
REPUBLIC OF SOUTH AFRICA

Private Bag X 9467, Polokwane, 0700, Tel: 015 287 4700, Fax: 015 297 7230
Broll Building, 101 Dorp Street, Polokwane, 0699

Enquiries: Mr. T. Mashau Ref: LP 30/1/2/3/2/1 (50) EM
E-Mail Address: Telly.Mashau@dmre.gov.za
Sub-Directorate: Mine Environmental Management

REGISTERED LETTER

The Mine Manager
Rustenburg Platinum Mines (Pty) Ltd (RPM) – Mogalakwena Complex
Private Bag X2463
Mokopane
0600

Attention: Prakashim Moodliar
Email: platinum.environmental@angloamerican.com

WASTE MANAGEMENT LICENCE IN TERMS OF SECTION 49(1)(A) OF THE NATIONAL ENVIRONMENTAL MANAGEMENT: WASTE ACT, 2008 (ACT NO. 59 OF 2008) FOR THE NORTH WASTE ROCK DUMP ON THE FARM OVERYSEL 815 LR, SITUATED WITHIN MOGALAKWENA LOCAL MUNICIPALITY IN THE WATERBERG DISTRICT MUNICIPALITY: LIMPOPO REGION.

In terms of National Environmental Management: Waste Act, 2008 (Act No.59 of 2008) read with the Environmental Impact Assessment Regulations, 2014, the Regional Manager: Mineral Regulation: Limpopo Region, acting under delegation, hereby grants Rustenburg Platinum Mines (Pty) Ltd (RPM) – Mogalakwena Complex Licence.

In terms of regulation 4 (2) of the Environmental Impact Assessment Regulations of 2014, you are instructed to notify all registered interested and affected parties, in writing within 14 (Fourteen) calendar days, from the date of the Department's decision in respect of your application and the relevant provisions regarding the lodgement of appeal must be provided for in terms of the National Appeal Regulations of 2014.

Should you wish to appeal any aspect of the decision, you must submit the appeal to the Minister of Forestry Fisheries and Environment and a courtesy copy of such an appeal to the Department of Mineral Resources and Energy (Limpopo Regional Office), within 20 days from the date of notification, and such appeal must be lodged as prescribed in by Chapter 2 of the National Appeal Regulations of 2014, by means of the methods as per prescribed below:

**DEPARTMENT OF MINERAL RESOURCES
MINE ENVIRONMENTAL MANAGEMENT
PRIVATE BAG X 9467- POLOKWANE
0700**

24 JAN 2024

**WASTE MANAGEMENT LICENCE: GRANTED
MOKWANA, 2008 (ACT NO 59 OF 2008)
AS APPLICABLE**

REGIONAL MANAGER: LIMPOPO REGION

Waste Management Licence Rustenburg Platinum Mine (Pty) Ltd Reference Number: LP 30/5/1/2/3/2/1(50) EM Page 1 of 15

Figure 4.5-8: Waste management license



Figure 4.5-9: Hydrocarbon storage area

ATTENDANCE REGISTER

General Environmental Awareness

Section: K110

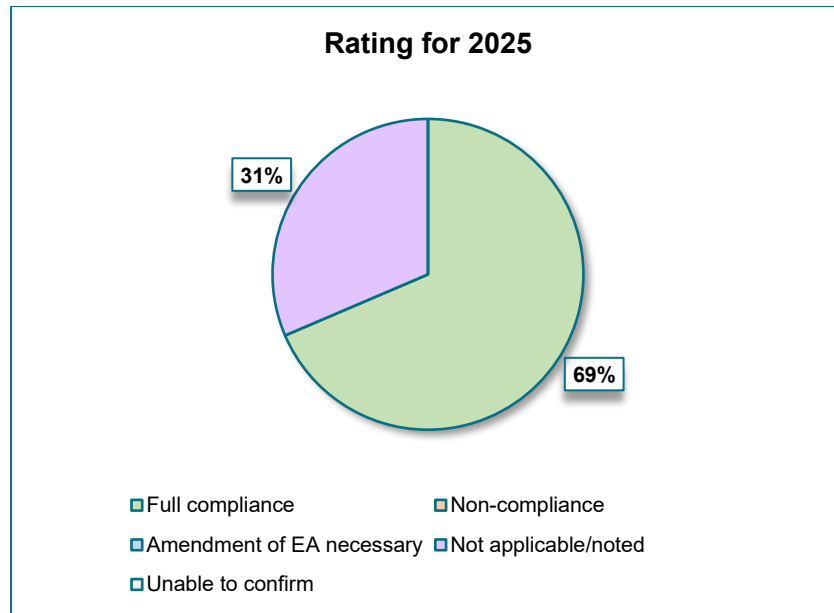
Date: 13.12.2023

#	Name & Surname	Designation	COY NO	Signature
1.		Cleaner	64165248	
2.		Cleaner	64165503	
3.		Cleaner	64165703	
4.		Cleaner	64165337	
5.		Cleaner	64165479	
6.		Cleaner	64165479	
7.		Cleaner	64165479	
8.		Cleaner	64165479	
9.		Cleaner	64165479	
10.		Cleaner	64165479	
11.		Cleaner	64165479	
12.		Cleaner	64165479	
13.		Cleaner	64165479	
14.		Cleaner	64165479	
15.		Cleaner	64165479	
16.		Cleaner	64165479	
17.		Cleaner	64165479	
18.		Cleaner	64165479	
19.		Cleaner	64165479	
20.		Cleaner	64165479	

Anglo American / © 2021

Figure 4.5-10: Environmental training attendance register

4.5.2 Summary of compliances



4.6 Management of Activity (ies)

EA ref	Condition description	Findings/observations	Action plans
4.1 Page 26 of 31	A copy of the EA must be kept at the property or on-site office where the activity (lies) will be undertaken. The EA must be produced to any authorised officials of the Department who request to see it and must be made available for inspection by any employee or agent of the holder of the EA who works or undertakes work at the property (ies).	Full compliance: The EA is kept on-site as well as electronically and is available upon request. Audit trail/supporting documentation: Communication with mine personnel	

EA ref	Condition description	Findings/observations	Action plans
4.2 Page 26 of 31	The content of the EMPr and its objectives must be made known to all contractors, subcontractors, agent and any other people working on the site, and any updates or amendments to the EMPr must be submitted to the Department for approval.	Full compliance: All contractors, employees, and visitors undergo induction and specific training for each site. This is updated on the Isometrix system. <u>Audit trail/supporting documentation:</u> Communication with mine personnel Observations on-site	
4.3 Page 26 of 31	Regular monitoring and maintenance of storm water drainage facilities must be conducted at all times, if damaged as directed by the Department or any other relevant authority.	Full compliance: Construction is still underway at the facilities however stormwater infrastructure was observed on-site and is maintained and monitored regularly. <u>Audit trail/supporting documentation:</u> Communication with mine personnel Observations on-site Figure 4.6-1: Stormwater channels	
4.4 Page 26 of 31	A buffer zone of 100 metres between the activity (ies) and the residential areas, cemeteries or burial grounds must be clearly demarcated and maintained.	Full compliance: The site is more than 100 m from residential areas, cemeteries or burial grounds. <u>Audit trail/supporting documentation:</u> Observations on-site Google Earth verification	
4.5 Page 26 of 31	The holder of the EA must prevent nuisance conditions or health hazards, or the potential creation of nuisance conditions or health hazards.	Full compliance: There were no nuisance conditions or health hazards observed on-site. <u>Audit trail/supporting documentation:</u> Observations on-site	

EA ref	Condition description	Findings/observations	Action plans
4.6 Page 26 of 31	The holder of the EA must ensure that all non-recyclable waste are disposed of at waste management facilities licenced to handle such wastes and all recyclable waste are collected by licenced waste management facilities for recycling, reuse or treatment.	Full compliance: All waste is taken to the on-site landfill site and taken to a licensed waste management facility. Audit trail/supporting documentation: Figure 4.6-2: Waste management license of landfill	
4.7 Page 27 of 31	The holder of the EA must ensure that all liquid wastes, whose emissions to water or land could cause pollution are diverted to sewer, after testing water quality and receiving written approval from the relevant local authority.	Full compliance: There are no liquid wastes at the expansion activities currently but liquid waste management on-site is in line with the EMP. Audit trail/supporting documentation: Observations on-site	
4.8 Page 27 of 31	Non-compliance with any condition of this EA may result in the issuing of a directive in terms of section 28 and or a compliance notice in terms of section 31 L of NEMA.	Noted	
4.9 Page 27 of 31	This IEA only authorises activities specified in the EMP/closure plan and a new authorisation must be applied for in respect of any new activity not specified as part of the EMP.	Noted	
4.10 Page 27 of 31	Only activities that are expressly specified in the application may be conducted, and additional or new activities not specified herein must be applied for by the holder and authorised by the competent authority in the form of an amendment to the aforesaid EMP before such activities may be commenced with.	Full compliance: Only activities authorised in the EA are carried out on-site. Audit trail/supporting documentation: Communication with mine personnel	
4.11 Page 27 of 31	Rehabilitation of disturbed surface caused by operation at all times must comply with the approved EMP	Noted: Rehabilitation is not yet necessary.	
4.12 Page 27 of 31	The Holder of EA must ensure that the name and contact details of the ECO is made available to the Regional Manager within 30 days of commencement. The holder of EA must also ensure that an ECO is always	Full compliance: Mine personnel indicated that Timothy Seimela is the appointed ECO for the mine. Mr Seimelas' details were made available to the CA.	

EA ref	Condition description	Findings/observations	Action plans
	available on site to ensure that activity (ies) at all times comply with the issued EA and approved EMPr	<u>Audit trail/supporting documentation:</u> Communication with mine personnel	
4.13 Page 27 of 31	The ECO must: 4.11.1. Keep and maintain a detailed incidents register (including any spillages of fuels, chemicals or any other material	Full compliance: There is an incident register on-site. <u>Audit trail/supporting documentation:</u> Figure 4.6-4: Incident register	
	4.11.2. Keep a complaint register on site indicating the complaint and how the issues were addressed, what measures were taken and what the preventative measures were implemented to avoid re-occurrence of complaints.	Full compliance: There is a complaints register available on-site. <u>Audit trail/supporting documentation:</u> Figure 3.6-4: Complaints and grievance register	
	4.11.3 Keep records relating to monitoring and auditing on site and avail them for inspection to any relevant authorised officials.	Full compliance: Such records are kept on-site. <u>Audit trail/supporting documentation:</u> Observations on-site	
	4.11.4. Keep copies of all environmental reports submitted to the Department.	Full compliance: Such records are kept on-site. <u>Audit trail/supporting documentation:</u> Observations on-site	
	4.11.5. Keep the records of all permits, licences and authorisations required by the operation.	Full compliance: Such records are kept on-site. <u>Audit trail/supporting documentation:</u> Observations on-site	

EA ref	Condition description	Findings/observations	Action plans
	4.11.6. Compile a monthly monitoring report and make it available to the Department if requested	Non-compliance: No ECO/monthly monitoring reports could be provided.	Ensure that monthly monitoring reports are compiled. <u>Responsible person:</u> ECO/Site manager <u>Timeframe:</u> Monthly
4.14 Page 27 of 31	The duties and responsibility of the ECO should not be seen as exempting the holder of the EA from the legal obligations in terms of the NEMA	Noted	
4.15 Page 27 of 31	The footprint of the activity (ies) must be limited on the areas authorised on the actual construction works and operational activities and all areas outside of the footprint must be regarded as no-go areas.	Full compliance: All activities occur within the approved boundaries. <u>Audit trail/supporting documentation:</u> Observations on-site Review of Google Earth imagery	
4.16 Page 27 of 31	Erosion and soil loss must be prevented by minimizing the construction site exposed to surface water runoff. Where necessary erosion stabilizing action such as gabions or re-vegetation must be Implemented to prevent further habitat deterioration.	Full compliance: No erosion or soil loss was observed on these specific sites. <u>Audit trail/supporting documentation:</u> Observations on-site	
4.17 Page 27 of 31	The holder of the EA must ensure that all personnel who work with hazardous waste are trained to deal with these potential hazardous situations so as to minimize the risk involved. Records of training and verification of competence must be kept by the holder EA.	Full compliance: There are no HCSs at the buffer dam, Blinkwater 2 TSF or PCD however HCS waste was handled effectively throughout the mine in general. <u>Audit trail/supporting documentation:</u> Observations on-site	

EA ref	Condition description	Findings/observations	Action plans
4.18 Page 28 of 31	In order to prevent nuisance conditions, the holder of the EA must ensure that all storage skips and bins are not overfilled.	Non-compliance: There were bins on-site that were overflowing with waste. Waste was also not separated correctly into the different waste bins <u>Audit trail/supporting documentation:</u> Figure 4.6-3: Overfilled waste bins	Ensure waste bins are not overfilled, and waste is stored in the correct receptacles. <u>Responsible person:</u> ECO <u>Timeframe:</u> Ongoing

4.6.1 Supporting documentation



Figure 4.6-1: Stormwater channels

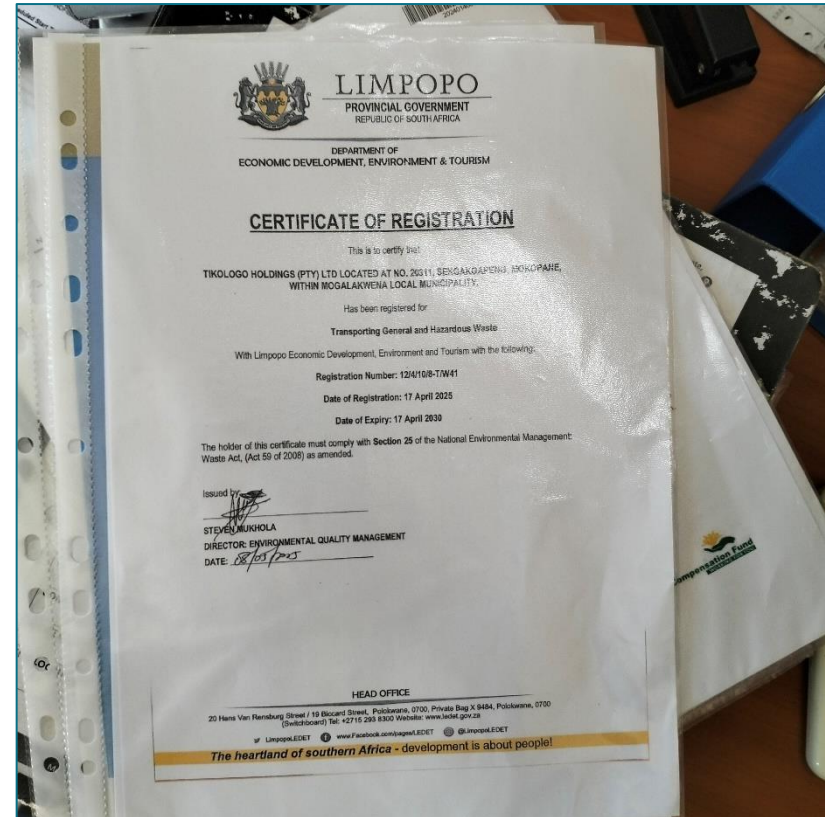


Figure 4.6-2: Waste management license of landfill



Figure 4.6-3: Overfilled waste bins

 **2025 - Environmental incidents-Mogalakwena complex.xlsx**

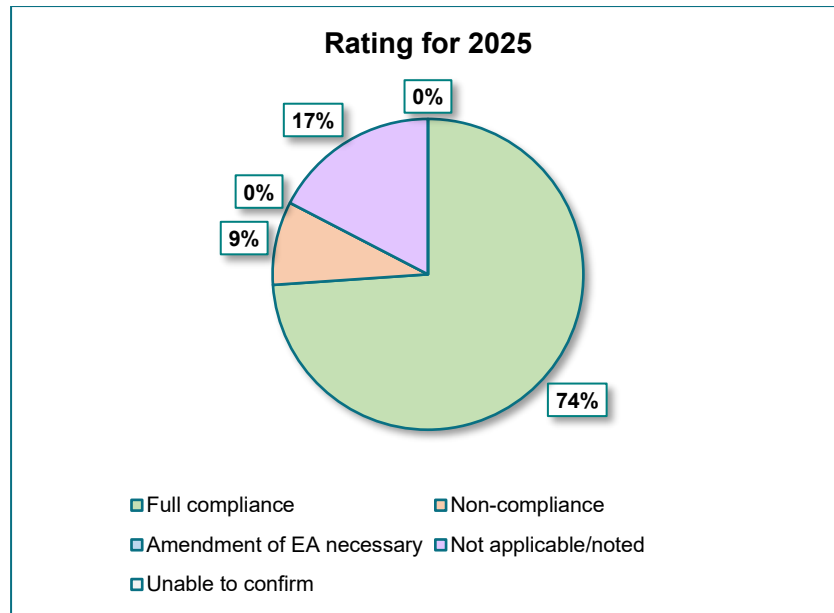
DAF Plant · Updated Yesterday by Mulalo Tshilowa

A1 View

	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
	Functional location	Specific location	Date of incident	Investigation status	Type of incident	Incident title	Incident description	Investigation due	Time of incident	Immediate action	Responsible manager	Validator	Validator active/in	Supplier/third party	Equipment involved	Agency Lv.1	Agency Lv.2	Mechanism	Mechanism Lv.2
1	KOP_IF701000000	-	2025/03/28	Event Closed	Work related	FEL CMON 004 hy On 28 March 2025	-	-	12:38	1. The incident was Tlotlo Marakalla (T Jacob Boshieho 1 9) Active	-	-	Yes	-	-	Exposure to Harm Spills / Leaks / Dis	Environmental	Spills / losses / dis	-
2	KOP-2A-MOG-VRV	-	2025/01/13	Verification and A Work related	-	PCD-NN (Nitrate d On 13th January 2	-	-	13:40	1. The incidents w Joseph Modishi M Malesela Nong 80 Active	-	-	No	-	-	Exposure to Harm Spills / Leaks / Dis	Environmental	Spills / losses / dis	-
3	POCS Offices PO Thembehlhe Layd	-	2025/04/23	Verification and A Work related	-	Hydraulic Oil Spill On the 23rd of Ap	-	-	06:00	• The incident was Lethogonolo John Timothy Seimela 5 Active	-	-	No	-	-	Exposure to Harm Spills / Leaks / Dis	Environmental	Spills / losses / dis	-
4	Concor Workshop Behind Concor we	-	2025/08/07	Verification and A Work related	-	Oil sump over flow On 07 August 202	-	-	12:40	• The incident was Lethogonolo John Timothy Seimela 5 Active	-	-	No	-	-	Weather	Extreme Rain	Environmental	Extremes of weatl
5	haul Road - Mogal	-	2025/03/03	Under Investigative Work related	-	Diesel browser CC On 03 March 2025	-	2025/04/17	10:50	1. The area was d Sydney Sithole (Sy Jacob Boshieho 1 9) Active	-	-	No	-	-	Exposure to Harm Spills / Leaks / Dis	Environmental	Spills / losses / dis	-
6	sewage Plant Se	-	2025/01/29	Verification and A Work related	-	North sewage sun On 29 January 202	-	-	06:50	• Incident was rep Joseph Modishi M Jacob Boshieho 1 9) Active	-	-	No	-	-	Exposure to Harm Spills / Leaks / Dis	Environmental	Spills / losses / dis	-
7	sewage Plant S North sewage sun	-	2025/08/11	Verification and A Work related	-	North sewage sun On 11 August 202	-	-	11:00	• Reported to the Lenga Solechehen Timothy Seimela 5 Active	-	-	Yes	-	-	Exposure to Harm Spills / Leaks / Dis	Environmental	Spills / losses / dis	-
8	KAP-2A-MOG-VRV	-	2025/01/13	Verification and A Work related	-	Return water dam On 13th January 2	-	-	07:30	1. The incidents w Joseph Modishi M Malesela Nong 80 Active	-	-	No	-	-	Exposure to Harm Spills / Leaks / Dis	Environmental	Spills / losses / dis	-
9	low Replacement	-	2025/06/03	Verification and A Work related	-	Oil spillage at Bow On 03 June 2025	-	-	15:58	1. The employee r - Timothy Seimela 5 Active	-	-	Yes	-	-	Exposure to Harm Spills / Leaks / Dis	Environmental	Spills / losses / dis	-
10	KAP-2A-MOG-HLR	-	2025/07/01	Under Investigative Work related	-	Dead fish at Retur On 01 July 2025	-	2025/08/15	13:30	Due to the small r Mangogwane Billy Jacob Boshieho 1 9) Active	-	-	No	-	-	Weather	Extreme Heat / Cc	Environmental	Effects of temper
11	Tribology Laborat	-	2025/04/17	Verification and A Work related	-	Tribology Lab bun 60mm of rainfall n	-	-	10:05	The Laboratory an Grant Henry Eduai Timothy Seimela 5 Active	-	-	No	-	-	Exposure to Harm Spills / Leaks / Dis	Environmental	Spills / losses / dis	-
12	Tribology Laborat	-	2025/04/17	Verification and A Work related	-	Tribology Lab bun 60mm of rainfall n	-	-	10:05	The Laboratory an Grant Henry Eduai Timothy Seimela 5 Active	-	-	No	-	-	Exposure to Harm Spills / Leaks / Dis	Environmental	Spills / losses / dis	-
13	KAP-2A-MOG-HPC	-	2025/01/13	Verification and A Work related	-	The Heli PCD silt t In January 2025, fi	-	-	07:30	1. The incidents w Joseph Modishi M Malesela Nong 80 Active	-	-	No	-	-	Exposure to Harm Spills / Leaks / Dis	Environmental	Spills / losses / dis	-
14	KAP-2A-MOG-HPC	-	2025/08/27	Verification and A Work related	-	Tailings spillage at On 27 August 202	-	-	07:45	Incident reported Lenga Solechehen Timothy Seimela 5 Active	-	-	Yes	-	-	Inrush, Inundation Tailings Storage Fai	Environmental	Spills / losses / dis	-
15	KOP_IF701000000	-	2025/08/25	Verification and A Work related	-	Hydraulic pipe bur On 25 August 202	-	-	10:00	Spill was containe ANTHONY JACK H Timothy Seimela 5 Active	-	-	No	-	-	Exposure to Harm Spills / Leaks / Dis	Environmental	Spills / losses / dis	-
16	KOP_IF701000000	-	2025/08/12	Event Closed	Work related	Sewage spill at Vh On 12 August 202	-	-	14:00	• The incident was Kgakantsane Vic Timothy Seimela 5 Active	-	-	Yes	-	-	Exposure to Harm Spills / Leaks / Dis	Environmental	Spills / losses / dis	-
17	KOP_IF701000000	-	2025/04/09	Under Investigative Work related	-	Heli Pollution Cont On 09 April 2025,	-	2025/05/24	10:00	• The incident was Joseph Modishi M Jacob Boshieho 1 9) Active	-	-	No	-	-	Weather	Extreme Rain	Environmental	Extremes of weatl
18	KOP_IF701000000	-	2025/06/10	Verification and A Work related	-	Mixing of clean ca It was observed th	-	-	14:18	The incident was i Christo van Zyl2 (C Timothy Seimela 5 Active	-	-	No	-	-	Exposure to Harm Exposure to Harm Chemical	Environmental	Single contact wit	-
19	KOP_IF701000000	-	2025/07/31	Verification and A Work related	-	Tailings material s On the 31st of Jul	-	-	16:15	1. The clean-up w Joseph Modishi M Timothy Seimela 5 Active	-	-	No	-	-	Exposure to Harm Spills / Leaks / Dis	Environmental	Spills / losses / dis	-
20	KAP-2A-MOG-VRV	-	2025/01/03	Verification and A Work related	-	Return Water Dam On January 3, 202	-	-	11:06	1. The incident was Joseph Modishi M Malesela Nong 80 Active	-	-	No	-	-	Exposure to Harm Spills / Leaks / Dis	Environmental	Extremes of weatl	-
21	KAP-2A-MOG-VRV	-	2025/01/03	Verification and A Work related	-	Return Water Dam On January 3, 202	-	-	11:06	1. The incident was Joseph Modishi M Malesela Nong 80 Active	-	-	No	-	-	Exposure to Harm Spills / Leaks / Dis	Environmental	Extremes of weatl	-
22	KAP-2A-MOG-VRV	-	2025/05/15	Verification and A Work related	-	Tailings spill into t On 15 May 2025, i	-	-	08:38	• The incident was Victor Madimetja Timothy Seimela 5 Active	-	-	No	-	-	Exposure to Harm Spills / Leaks / Dis	Environmental	Spills / losses / dis	-
23	KAP-2A-MOG-VRV	-	2025/05/15	Verification and A Work related	-	Tailings spill into t On 15 May 2025, i	-	-	08:38	• The incident was Victor Madimetja Timothy Seimela 5 Active	-	-	No	-	-	Exposure to Harm Spills / Leaks / Dis	Environmental	Spills / losses / dis	-
24	139 - Pebble Flota 439 bund	-	2025/05/15	Verification and A Work related	-	Tailings spill into t On 15 May 2025, i	-	-	09:59	1. The incident was Paul Coetzee (Paul Malesela Nong 80 Active	-	-	No	-	-	Exposure to Harm Spills / Leaks / Dis	Environmental	Spills / losses / dis	-
25	139 - Pebble Flota 439 bund	-	2025/05/15	Verification and A Work related	-	Tailings spill into t On 15 May 2025, i	-	-	09:59	1. The incident was Paul Coetzee (Paul Malesela Nong 80 Active	-	-	No	-	-	Exposure to Harm Spills / Leaks / Dis	Environmental	Spills / losses / dis	-
26	102 - Grizzly 102 Pipeline leak at bo	-	2025/02/04	Verification and A Work related	-	139 process water On February 4th, i	-	-	16:29	1. The incident was Joseph Modishi M Malesela Nong 80 Active	-	-	Yes	-	-	Exposure to Harm Spills / Leaks / Dis	Failed energy cont	Pneumatic Energy	-
27	KOP_IF701000000	-	2025/02/19	Verification and A Work related	-	Sewage overflow On February 19th, i	-	-	07:00	The responsible E Joseph Modishi M Timothy Seimela 5 Active	-	-	No	-	-	Exposure to Harm Spills / Leaks / Dis	Environmental	Contamination	-
28	Wash Bay - North Wash Bay North N	-	2025/04/07	Verification and A Work related	-	Oil leak undermeal The drill rig 299 (C	-	-	11:15	1. The incident was Victor Madimetja Timothy Seimela 5 Active	-	-	No	-	-	Exposure to Harm Spills / Leaks / Dis	Environmental	Spills / losses / dis	-
29	10010151.53.20.0	-	2025/08/19	Verification and A Work related	-	Tailings overflow On the 19 August	-	-	-	-	-	-	-	-	-	-	-	-	-

Figure 4.6-4: Incident register

4.6.2 Summary of compliances



4.7 Reporting to the department

EA ref	Condition description	Findings/observations	Action plans
5.1 Page 28 of 31	The holder of EA must: 5.1.1 submit an Environmental Audit Report to this Department biannually and such report must be done by qualified Environmental Assessment Practitioner and must specify whether conditions of this environmental authorisation and EIR/closure plan are adhered to; 5.1.2 identify and assess any new impacts and risks as a result of undertaking the activity/ies, if applicable; 5.1.3 identify shortcomings in the EIA/closure plan, if applicable;	Full compliance: It is assumed that the environmental audit should be submitted biennially not biannually. The previous audit was conducted in November 2023 and submitted on 2023-12-01. This is the audit for 2025 and contains all of the relevant information expressed in this condition. Audit trail/supporting documentation:	Communicate with DMPR regarding this condition and the wording: Biannually or Biennially. <u>Responsible person:</u> ECO/mine manager <u>Timeframe:</u>

EA ref	Condition description	Findings/observations	Action plans
	5.1.4. identify the need, if any, for any changes to the management, avoidance and mitigation measures provided for in the EIR/closure plan; 5.1.5 if applicable, specify that the corrective action/s taken for the previous audit's non-conformities, was adequate; 5.1.6 Specify the name of the auditor and 5.1.7 Be submitted by the holder to the competent authority within 30 days from the date on which the auditor finalised the audit.	Figure 4.7-1: Proof of submission of 2023 audit report	Before next audit
5.2 Page 28 of 31	Should any shortcomings in terms of Regulation 34(4) be identified, the holder must submit recommendation to amend the EIR/closure plan in order to rectify any shortcomings identified with the aforementioned audit report.	Noted: No such shortcomings have been identified.	
5.3 Page 28 of 31	Any complaint received from the I&AP during all phases of the operation must be attended to as soon as possible and addressed to the satisfaction of all concerned interested and affected parties.	Full compliance: There is a complaints register on-site. No complaints have been received. <u>Audit trail/supporting documentation:</u> Figure 3.6-4: Complaints and grievance register	
5.4 Page 28 of 31	The holder of the EA must annually assess the environmental liabilities of the operation by using the master rates in line with the applicable CPI at the time and address the shortfall on the financial provision submitted in terms of section 24P of NEMA.	Full compliance: The mine updates the financial provision on an annual basis. The most recent financial provision report was compiled for 2024. <u>Audit trail/supporting documentation:</u> Figure 4.7-2: Closure liability report 2024	
5.5 Page 28 of 31	The holder of the EA must, within 24 hours of incidents occurring, notify the Competent Authority of the occurrence or detection of any incident on the site, or incidental to the operation of the site, which has the potential to cause, or has caused pollution of the environment, health risks, nuisance conditions or water pollution.	Full compliance: There is an incident register on-site. <u>Audit trail/supporting documentation:</u> Figure 4.6-4: Incident register	

EA ref	Condition description	Findings/observations	Action plans
5.6 Page 28 of 31	The holder of the EA must, within 14 days, or a shorter period of time, if specified by the Competent Authority from the occurrence or detection of any incident referred to above, submit an action plan, which must include a detailed time schedule, and resource allocation signed off by top management to the satisfaction of the Competent Authority of measures taken to — • Correct the impact resulting from the incident; • Prevent the incident from causing any further impact; and • Prevent a recurrence of a similar incident.	Full compliance: There is an incident register on-site. <u>Audit trail/supporting documentation:</u> Figure 4.6-4: Incident register	
5.7 Page 29 of 31	In the event that measures have not been implemented within 21 days of the incident referred to in condition above or measures which have been implemented are inadequate, the Competent Authority may implement the necessary measures at the cost of the holder of the EA.	Noted	

4.7.1 Supporting documentation

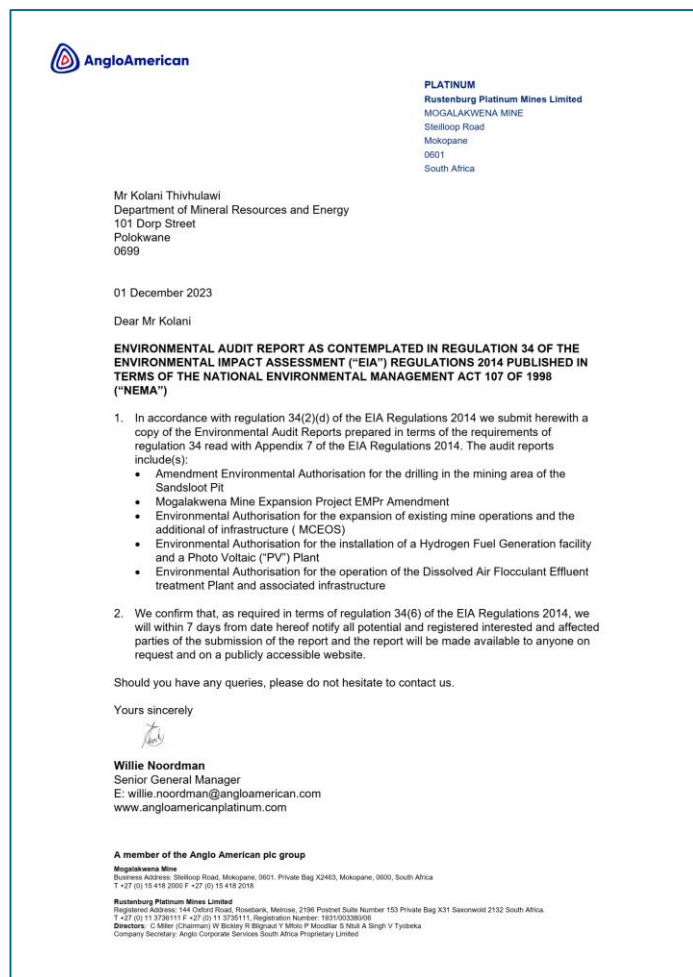


Figure 4.7-1: Proof of submission of 2023 audit report

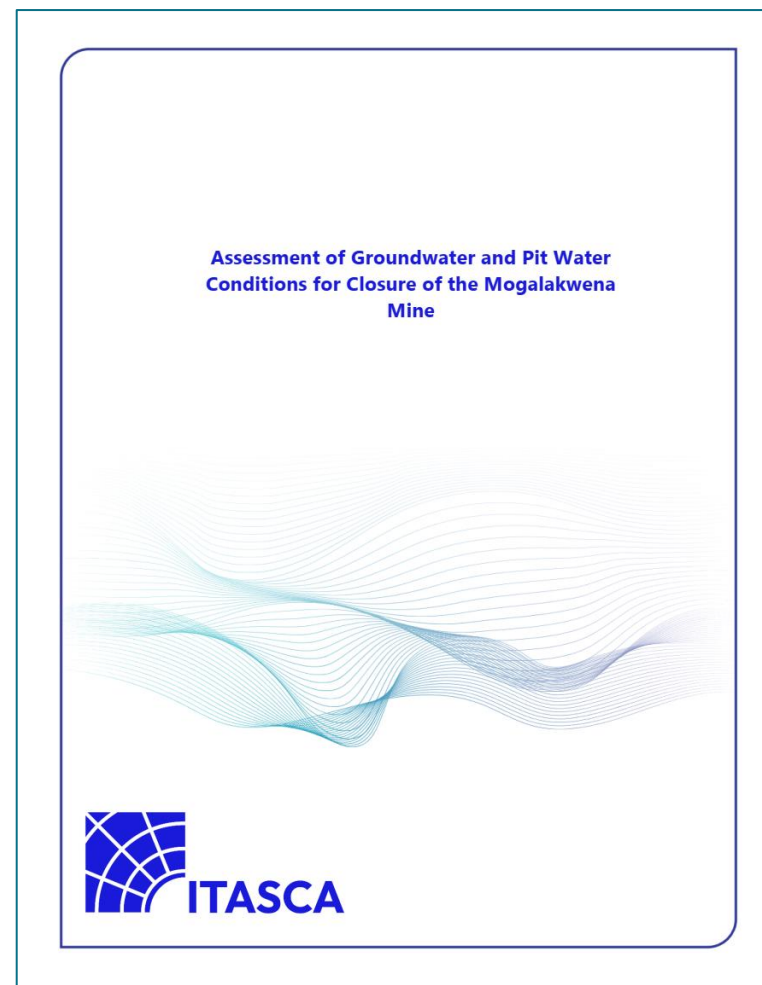
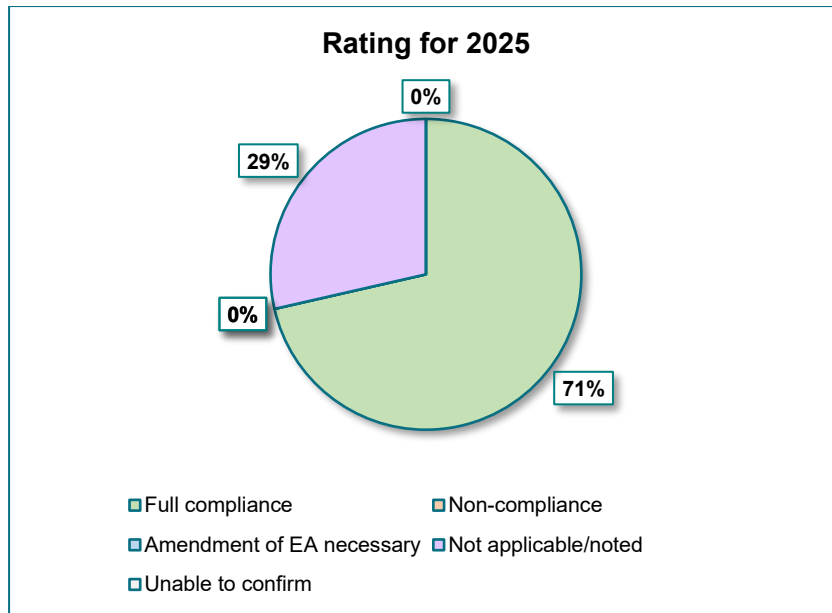


Figure 4.7-2: Closure liability report 2024

4.7.2 Summary of compliances



4.8 Site security and access control

EA ref	Condition description	Findings/observations
6.1 Page 29 of 31	The holder of the EA must ensure effective access control on the site to reasonably prevent unauthorised entry. Signs indicating the risks involved in unauthorised entry must be displayed at each entrance.	Full compliance: There is a gate and a fence around the sites and mine as a whole which is access controlled. There are signs at the entrance indicating the dangers and risks involved. Audit trail/supporting documentation: Observations on-site

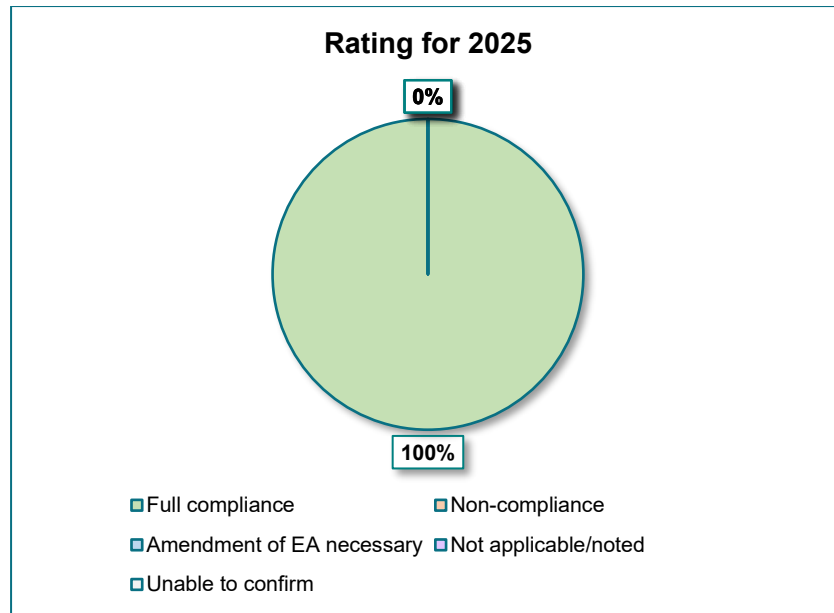
EA ref	Condition description	Findings/observations
6.2 Page 29 of 31	Weather proof, durable and legible notices in at least three official languages applicable in the area must be displayed at each entrance to the Site. These notices must prohibit unauthorised entry and state the hours of operation, the name, address and telephone number of the holder of the EA and the person responsible for the operation of the site.	Full compliance: There was signage in at least 3 different languages at the entrance to the sites. Audit trail/supporting documentation: Figure 4.8: Sign in 3 different languages

4.8.1 Supporting documentation



Figure 4.8: Sign in 3 different languages

4.8.2 Summary of compliances



4.9 Emergency preparedness plan

EA ref	Condition description	Findings/observations	Action plans
7.1 Page 29 of 31	The holder of the EA must maintain and implement an emergency preparedness plan and review it biennially when conducting audit and after each emergency and or major accident, The plan must, amongst others, include: • Site Fire • Spillage • Natural disasters such as floods • Industrial action	Full compliance: There is a suitable emergency preparedness plan in place. Audit trail/supporting documentation: Figure 4.9-1: Emergency preparedness plan	

EA ref	Condition description	Findings/observations	Action plans
	Contact details of police, ambulances and any emergency centre closer to the site.		
7.2 Page 29 of 31	The holder of EA must ensure that an up-to-date emergency register is kept during all phases of the operation. This register must be made available upon request by the department.	Full compliance: There is an emergency register on-site at the complex. <u>Audit trail/supporting documentation:</u> Figure 4.9-2: Emergency register	Ensure that there is an emergency register on-site. <u>Responsible person:</u> ECO/Site manager <u>Timeframe:</u> As soon as possible

4.9.1 Supporting documentation

[OFFICIAL]




OPERATIONAL PROCEDURE

MOGALAKWENA COMPLEX SHE Way System Procedure

EMERGENCY PREPAREDNESS AND RESPONSE

VERSION: 5.0
 LAST REVISION DATE: 02 November 2022
 FIRST IMPLEMENTATION DATE: 29 June 2014
 REFERENCE NUMBER: MS-SHE-OHS-PRO-0009
 OLD REFERENCE NUMBER: MS-MIN-HLH-PRO-0003

	NAME	POSITION	SIGNATURE	DATE
AUTHOR:	Henk Kleynhans	Emergency Coordinator		10/1/02
REVIEWED BY:	Langutani Tucson Ngobeni	Emergency officer		10/1/02
REVIEWED BY:	Katlego Mukwanazi	Occupational Hygienist		08/1/03
REVIEWED BY:	Cynthia Phetlhe	Occupational Hygienist		08/1/03
REVIEWED BY:	Herman van Rooyen	Snr. Asset Manager		08/1/03
REVIEWED BY:	Thabo Masilo	Snr. SHE Specialist		08/1/03
REVIEWED BY:	Timothy Seimela	Environmental Superintendent		10/1/03
REVIEWED BY:	Daniel Pale	FTHSR		13/1/03
REVIEWED BY:	Leonard Matsaung	FTHSR		02/1/03
APPROVED BY:	Lerato Itumeleng	Act. HRD Manager		08/1/02
APPROVED BY:	Mike Moalefe	Snr. SHE Manager		08/1/02
APPROVED BY:	Alwyn Jordaan	Snr. Engineering Manager		10/1/03
APPROVED BY:	Jerry Mothibe	Manager Mining		10/1/03
APPROVED BY:	Herman Kemp	Concentrator Manager		10/1/03
APPROVED BY:	Willie Noordman	Snr. General Manager		08/1/03

INTERNAL

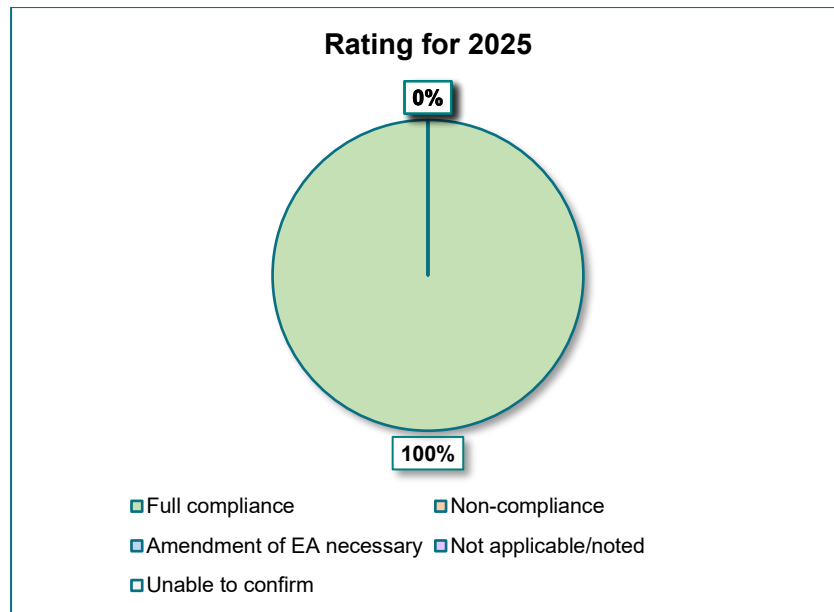
Figure 4.9-1: Emergency preparedness plan

Mogalakwena Mine Emergency register-on Isometrix.xlsx
 DAF Plant - Updated Today by Mulalo Tshilowa

Item	Item Name	Item Description	Item Location	Item Status	Item Date	Item Owner	Item Contact	Item Action	Item Result	Item Date	Item Owner	Item Contact	Item Action	Item Result	Item Date	Item Owner	Item Contact	Item Action	Item Result
1	Emergency Response Plan	Emergency Response Plan	Emergency Response Plan	Emergency Response Plan	Emergency Response Plan	Emergency Response Plan	Emergency Response Plan	Emergency Response Plan	Emergency Response Plan	Emergency Response Plan	Emergency Response Plan	Emergency Response Plan	Emergency Response Plan	Emergency Response Plan	Emergency Response Plan	Emergency Response Plan	Emergency Response Plan	Emergency Response Plan	Emergency Response Plan

Figure 4.9-2: Emergency register

4.9.2 Summary of compliances

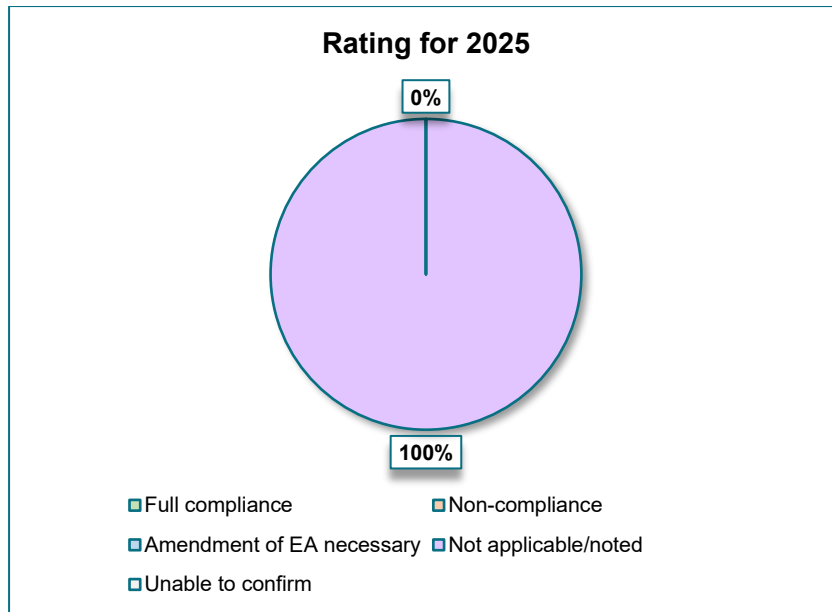


4.10 Investigations

EA ref	Condition description	Findings/observations
8.1 Page 29 of 31	If, in the opinion of the Competent Authority, nuisances or health risks may be or is occurring on the site, the holder of the EA must initiate an investigation into the cause of the problem or suspected problem.	Noted: No such investigations have been required or taken place.
8.2 Page 29 of 31	If, in the opinion of the Competent Authority, pollution may be or is occurring, the holder of the EA must initiate an investigation into the cause of the problem or suspected problem. Such investigation must include the monitoring of the water quality variables, at those monitoring points and such frequency as may be specified by the Competent Authority.	

EA ref	Condition description	Findings/observations
8.3 Page 29 of 31	Investigations carried out in terms of conditions 1 and 2 above must include the monitoring of the relevant environmental pollution, nuisance and health risk variables, at those monitoring points and such frequency to be determined in consultation with the Competent Authority.	
8.4 Page 30 of 31	Should the investigation carried out as per conditions 3, 4, and 7 above reveal any unacceptable levels of pollution, the holder of the EA must submit mitigation measures to the satisfaction of the Competent Authority.	

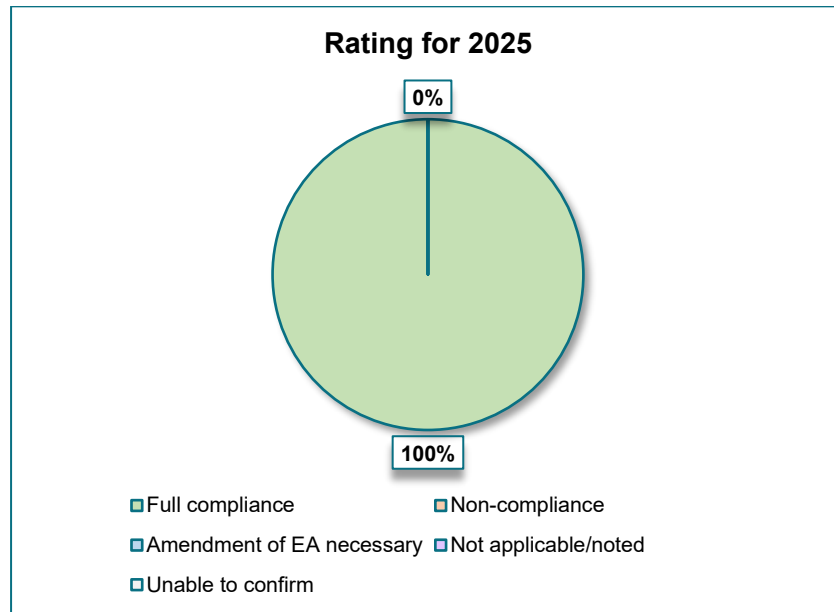
4.10.1 Summary of compliances



4.11 Commissioning and decommissioning

EA ref	Condition description	Findings/observations
9.1 Page 30 of 31	The commissioning and decommissioning of individual activity within the overall listed prospecting activity must take place within the phases and timeframes as set out in Scoping and EIR	Full compliance: The expansion projects were commissioned within the timeframes of the approved EMP and EA. Decommissioning has not commenced yet. <u>Audit trail/supporting documentation:</u> Communication with mine personnel

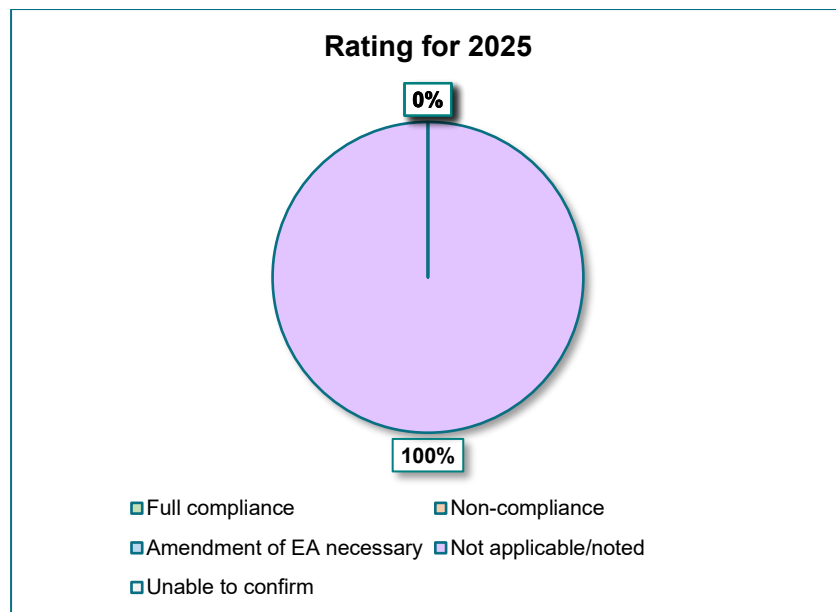
4.11.1 Summary of compliances



4.12 Site closure

EA ref	Condition description	Findings/observations
10.1 Page 30 of 31	The holder of EA must apply for a closure certificate in terms of Section 43 of MPRDA, as amended within 180 days of occurrence of lapsing, abandonment, cancellation, cessation, relinquishment and completion of development.	Noted: The facilities are still being constructed or are operational and closure has not been applied for yet.
10.2 Page 30 of 31	The application for closure indicated above must be submitted together with all relevant documents as indicated in Section 43 of MPRDA.	
10.3 Page 30 of 31	No exotic plants may be used for rehabilitation purposes only indigenous plant can be utilized for rehabilitation purposes.	
10.4 Page 30 of 31	The holder of EA remains responsible for any environmental liability, pollution or ecological degradation, the pumping and treatment of extraneous water, compliance with the conditions of EA and the management and sustainable closure thereof until the Minister has issued a Closure Certificate in terms of Section 43 of MPRDA. Where necessary the Minister may retain certain portion of financial provision for residual, health or environmental impacts that might be known in future.	

4.12.1 Summary of compliances



SECTION 5: EVALUATION OF COMPLIANCY TO ALL MONITORING REQUIREMENTS AND THE FINANCIAL PROVISION

5.1 Compliance to all monitoring requirements

According to mine personnel, all necessary monitoring is occurring on-site. The following monitoring takes place on-site:

- Water quantity and quality monitoring
- Noise monitoring
- Alien invasive species monitoring
- Air quality and dust fallout monitoring
- Health and safety

Recommendations:

- Continue with all relevant monitoring
- Conduct and compile monthly environmental inspections
- Conduct and compile erosion monitoring reports

5.2 Compliance to financial provision requirements

A financial provision report was compiled in 2024. The mine is compliant with the objectives in this report. Most of the objectives are related to closure and the mine is not yet in the closure and decommissioning stage. However, these objectives are followed during concurrent rehabilitation activities.

Recommendations:

- Compile financial provision report for 2025.

SECTION 6: AUDIT CONCLUSION

6.1 Overall compliancy

6.1.1 Overall Environmental Management Programme compliancy

The below figures and table show compliancy to the approved EMP for 2025.

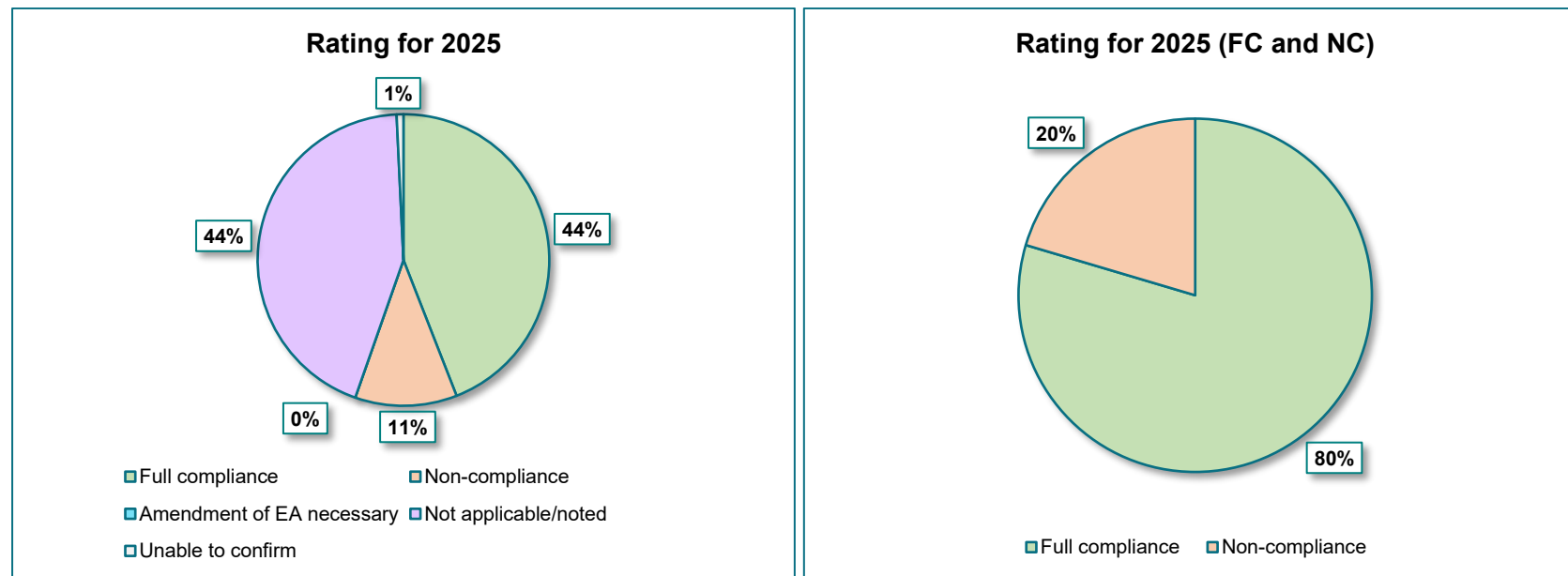


Table 9: Environmental management programme compliance summary for 2025

Compliance summary	2025
Overall conditions	531
Noted/Not applicable conditions	233

Compliance summary	2025
Amendment necessary	0
Unable to verify	4
Applicable conditions	294
Full compliance based on applicable conditions	234
Full compliance percentage based on applicable conditions	80%
Non-compliance based on applicable conditions	60
Non-compliance percentage based on applicable conditions	20%

6.1.2 Overall Environmental Authorisation compliancy

The below figures and table show compliancy to the approved EA for 2025.

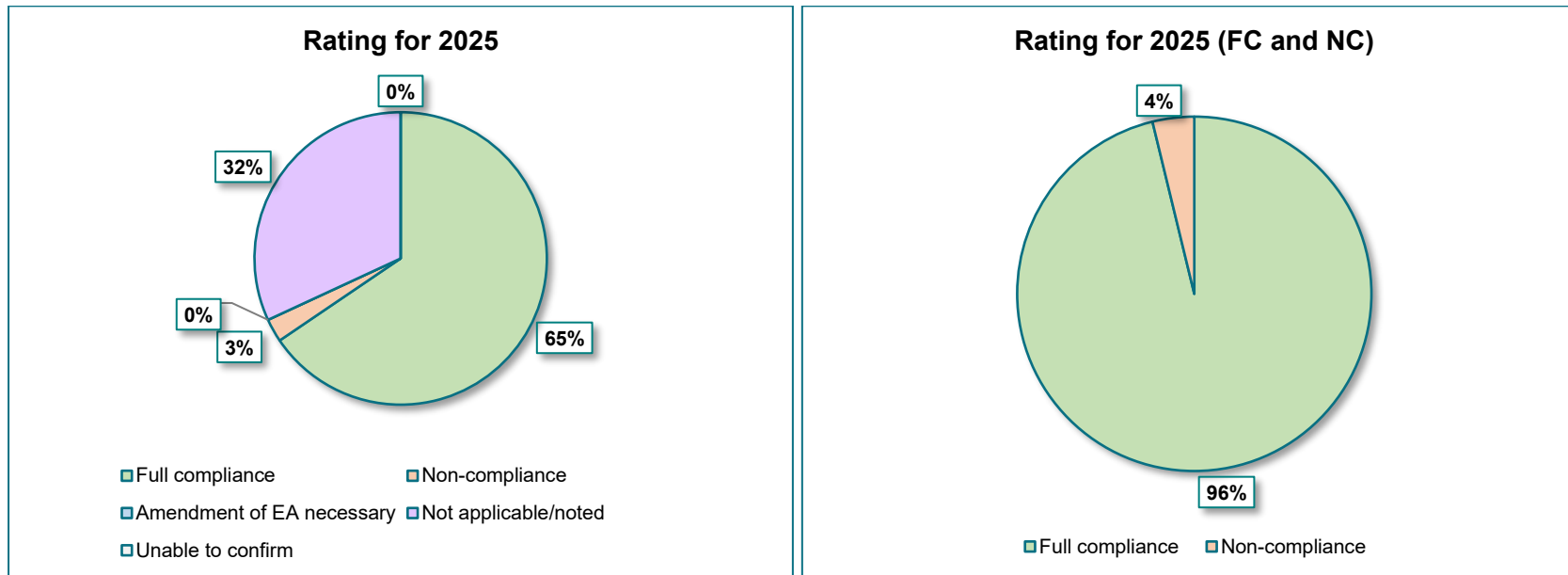


Table 10: Environmental Authorisation compliance summary for 2025

Compliance summary	2025
Overall conditions	116
Noted/Not applicable conditions	37
Amendment necessary	0
Unable to verify	0
Applicable conditions	79
Full compliance based on applicable conditions	76
Full compliance percentage based on applicable conditions	96%
Non-compliance based on applicable conditions	3
Non-compliance based percentage on applicable conditions	4%

6.2 Corrective action/s taken for the previous audit's non-conformities

None since the 2023 audit.

6.3 Recommendations

6.3.1 Environmental Management Programme

It is always recommended to ensure ongoing compliancy with the conditions which are currently compliant; but it is further recommended that RPM focusses on the non-compliances primarily which are for the following conditions:

Air quality

- There are no recommendations necessary for 2025.

Soils, land use, and land capability

- Ensure that all erosion measures are implemented on topsoil stockpiles.
- Ensure that erosion is monitored frequently for topsoil stockpiles.
- Ensure that alien vegetation is removed from topsoil stockpiles.
- Implement the soil utilisation plan fully.
- Conduct internal audit on soil utilisation plan to ensure correct implementation.
- Ensure that monitoring reports are compiled for stockpiles and berms.
- Ensure that waste is removed timelessly and no skips or waste storage areas are overflowing.

Biodiversity

- Ensure alien invasive species are removed as per the alien species management plan.
- Ensure that all topsoil stockpiles are protected from erosion.
- Ensure that all employees are trained on the hunting and trapping of animals on-site.
- Ensure that the monitoring of snares and traps is undertaken on-site.
- Ensure that bare areas are rehabilitated at the North WRD.
- Monitor areas outside of the development footprints for erosion and incision and provide monitoring/progress reports.
- Ensure that all bare areas are revegetated with indigenous grasses and vegetation.

Surface water

- Ensure contractors are made aware of the IWUL conditions during induction.
- Compile inspection reports for the North WRD paddocks and other relevant environmental and stormwater infrastructure inspections.

Groundwater

- Conduct waste classifications for the waste streams to be stored in the buffer dam.
- Conduct an annual hydro census within a 1 km radius of the expansion activities.

- Ensure that concurrent rehabilitation and intra-benching of the TSF is done once fully operational.
- Compile a scavenger well management plan for the Blinkwater 2 TSF scavenger wells.

Noise

- Implement noise reduction measures where exceedances occurred.

Visual impacts

- There are no recommendations necessary for 2025.

Heritage

- There are no recommendations necessary for 2025.

Social

- Conduct a Community Health and Safety Impact Assessment.
- Establish a community management forum.
- Compile a Contractor Social Management Procedure.
- The mine must ensure that such information and communications are available to the local communities.
- Ensure that the relevant communications and engagements are conducted with the local communities.
- Ensure that resourcing gaps within the SP team are analysed.
- Ensure the SP team receives additional training.
- Ensure that the mine policies align with the RPM standards and policies.
- Update the SLP to include all actions and measures as set out in the approved EMP.
- Implement all measures and actions stipulated in the approved EMP.
- Consult with provincial and national departments on sector specific programs for alignment.

- Compile a management plan to address situations where land currently used by communities, within the mining and surface lease areas, will be lost due to the proposed project activities.
- Ensure contractors are made aware of the IWUL conditions during induction.
- Ensure all HCSs and HCS waste is stored within bunded areas.

Palaeontology

- There are no recommendations necessary for 2025.

6.3.2 Environmental Authorisation

It is always recommended to ensure ongoing compliancy with the conditions which are currently compliant; but it is further recommended that RPM focusses on the non-compliances primarily which are for the following conditions:

- Submit groundwater remediation plan to the responsible authority.
- Conduct an ELCA.
- Ensure that monthly monitoring reports are compiled.
- Ensure waste bins are not overfilled, and waste is stored in the correct receptacles.
- Ensure that there is an incident register kept on-site.
- Ensure that incident reports are compiled and submitted to the department for all major spills and environmental incidents.

6.4 Assumptions, limitations and/or knowledge gaps

All documentation was assessed during the first two weeks of July 2025. A site visit was held on the 30th of June 2025 and 1st of July 2025 where interviews were conducted with key mine personnel to obtain all outstanding information. The audit report was thereafter compiled and submitted to the client.

All findings are based on assessments done during the site visit, interviews with key personnel, and documentation received by the mine.

6.5 Any other information requested by the competent authority

No additional information was requested from the DMPR. The audit report was thereafter compiled, submitted to DMPR, and all shortcomings of the EMP has been communicated to the public and stakeholders.

SECTION 7: ABILITY OF DOCUMENTS AUDITED

7.1 Inadequacy of impacts listed and rated, due to shortcomings in the approved Environmental Management Programme and Environmental Authorisation or due to undertaking new activities

According to the mine personnel, there are no new impacts or risks as a result of undertaking the activities. No such impacts or risks were assessed during the site visit. All activities occurring on-site take place as per the approved EA and EMP. Concurrent rehabilitation of the quarries are taken place on-site. There is an overarching EMP for the entire site that incorporates all EAs on-site.

7.2 Inadequacy of the management, avoidance and mitigation measures due to shortcomings in the approved Environmental Management Programme and Environmental Authorisation or due to undertaking new activities

There are no shortcomings to the EMP. All activities occurring on-site take place as per the approved EA and EMP. Concurrent rehabilitation of the quarries are taken place on-site. There is an overarching EMP for the entire site that incorporates all EAs on-site.

SECTION 8: CONSULTATION PROCESS

8.1 Description of the consultation process

All non-compliant conditions that are relevant and that have the possibility of impacting I&APs will be shared with all I&APs and Stakeholders.

8.2 Summary of comments received during the consultation process

All non-compliant conditions that are relevant and that have the possibility of impacting I&APs will be shared with all I&APs and Stakeholders.