



mineral resources & energy

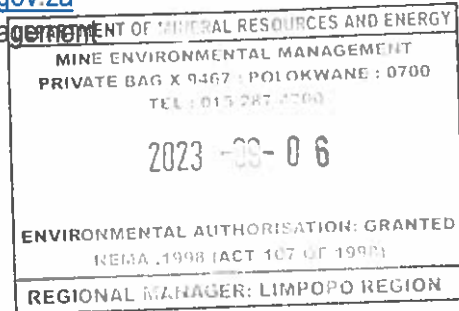
Department
Minerals Resources and Energy
REPUBLIC OF SOUTH AFRICA

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

Enquiries: Ms. M.M. Sathekge Ref: LP30/5/1/2/3/2/1 (10008) EM

E-Mail Address: Mapula.Sathekge@dmre.gov.za

Sub-Directorate: Mine Environmental Management



BY HAND

The Director(s):
Samancor Chrome Limited
Eastern Chrome Mines
P. O. Box 03
STEELPOORT
1133

Attention: Elsie Mashishi

E-mail: Elsie.Mashishi@samancorcr.com

ENVIRONMENTAL AUTHORISATION IN TERMS OF SECTION 24 OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998 (ACT 107 OF 1998) AS AMENDED (NEMA) READ WITH REGULATION 31 OF THE ENVIRONMENTAL IMPACT ASSESSMENT (EIA) REGULATIONS, 2014 IN SUPPORT OF AN AMMENDMENT (DEVELOPMENT OF AN OPENCAST OPERATION ON THE FARMS JAGDLUST AND WINTERSVELDT IN ADDITION TO THE APPROVED ZEEKOEGAT OPENCAST) TO AN EXISTING MINING RIGHT OF CHROME AND RELATED INFRASTRUCTURAL ACTIVITIES ON THE FARMS JAGDLUST 418 KS AND WINTERSVELDT 417 KS, SITUATED IN FETAKGOMOMO-TUBATSE LOCAL MUNICIPALITY: LIMPOPO REGION.

With reference to the abovementioned application, please be advised that the Department has decided to **grant** an environmental authorisation in terms of Section 24 of NEMA (Act 107 of 1998). The environmental authorisation and reasons for the decision are attached herewith.

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.

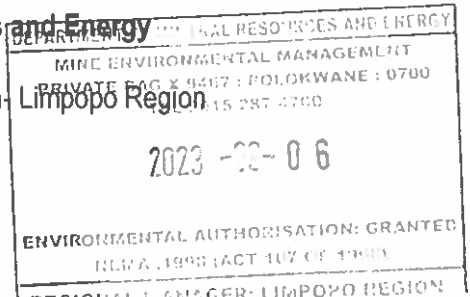
Should you wish to appeal any aspect of the decision, you must submit the appeal to the Minister of Forestry, Fisheries and the Environment and a copy of such appeal to the Department of Mineral Resources and Energy (Limpopo Regional Office), within 20 days from the date of notification, and such appeal 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:

Appeal to the Department of Forestry, Fisheries and the Environment

Attention : Directorate Appeals and Legal Review
Email : appeals@dfef.gov.za
By post : Private Bag X 447, **PRETORIA**, 0001
By hand : Environmental House, Corner Steve Biko and Soutpansberg Street, Arcadia, **Pretoria**, 0083

Copy of the lodged appeal to the Department of Mineral Resources and Energy

Attention : Regional Manager: Mineral and Petroleum Regulation - Limpopo Region
By facsimile : (015) 297 7230
E-mail : Thivhulawi.Kolani@dmre.gov.za
By post : Private Bag X 9467, **POLOKWANE**, 0700
By hand : Broll Building, 101 Dorp Street, **POLOKWANE**, 0699



Should you decide to appeal, you must comply with the National Appeal Regulation of 2014 in relation to notification of all registered interested and affected, and a copy of the official appeal form can be obtained from the Department of Forestry, Fisheries and the Environment.

Kind Regards

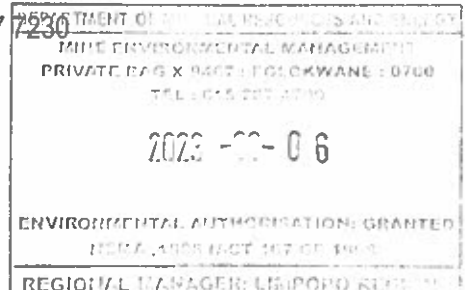
ACT CHIEF DIRECTOR:
MINERAL AND PETROLEUM REGULATION
NORTHERN REGIONS
DATE: 06/09/2023



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



ENVIRONMENTAL AUTHORISATION

Reference number:	LP30/5/1/2/3/2/1 (10008) EM
Last amended:	First issue
Holder of authorisation:	Samancor Chrome Limited-Eastern Chrome Mines
Location of activities:	The farms Jagdlust 418 KS and Wintersveldt 417 KS, situated in Fetakgomo-Tubatse Local Municipality.

DECISION

ACRONYMS

NEMA:	The National Environmental Management Act, 1998 (Act 107 of 1998), as amended
DEPARTMENT:	Department of Mineral Resources and Energy
EA:	Environmental Authorisation.
IEA:	Integrated Environmental Authorisation
EMPr:	Environmental Management Programme
BAR:	Basic Assessment Report
S&EIR:	Scoping and Environmental Impact Report
I&AP:	Interested and Affected Parties
ECO:	Environmental Control Officer
LIHRA:	Limpopo Heritage Resource Agency
SAHRA:	South African Heritage Resources Agency
EIA REGULATIONS:	EIA Regulations, 2014
MPRDA:	Mineral and Petroleum Resources Development Act, 2002 (Act 28 of 2002), as amended
NEMA:WA:	National Environmental Management: Waste Act, 2008 (Act 59 of 2008), as amended
EIA:	Environmental Impact Assessment.

The Department is satisfied, on the basis of information availed to it and subject to compliance with the conditions of this integrated environmental authorisation, that the applicant should be authorised to undertake

NEMA EIA listed activity (ies) specified below. Details regarding the basis on which the Department reached this granting decision are set out in Annexure "I" of this environmental authorisation.

ACTIVITY APPLIED FOR

By virtue of the powers conferred on it by NEMA, the Department hereby grant an application for EA by **Samancor Chrome Limited- Eastern Chrome Mines (ECM)** with the following contact details –

P. O. Box 03
STEELPOORT
1133

Tel no: 013 230 7074

E-mail Elsie.Mashishi@samancorcr.com

DEPARTMENT OF MINERAL RESOURCES AND ENERGY
MINE ENVIRONMENTAL MANAGEMENT
PRIVATE BAG X 9467 : POLOKWANE : 0760
TEL : 015 237 4100
2023 -09- 0 6
ENVIRONMENTAL AUTHORISATION: GRANTED
NEMA, 1998 (ACT 107 OF 1998)
REGIONAL MANAGER: LIMPOPO REGION

to undertake the following activities listed in the NEMA EIA Regulation, 2014.

NEMA: LISTED ACTIVITIES:

Listed in the EIA Regulations R. 983 of 2014 as:-

Activity 9 – “ *The development of infrastructure exceeding 1000 metres in length for the bulk transportation of water or storm water -*

This activity relates to the undertaking of the following proposed activities:

- Construction of a pipeline with internal diameter of 0.36 m exceeding 1km in length for transportation of stormwater from the pollution control dam and potable water to the mine.

Activity 12 – “ *The development of –*

- Canals exceeding 100 square metres in size;*
- Channels exceeding 100 square metres in size;*
- Bridges exceeding 100 square metres in size”;*
- Damd, where the dam, including infrastructure and water surface area, exceeds 100 square metres in size;*
- Weirs, where the weir, including infrastructure and water surface area, exceeds 100 square metres in size;*
- Bulk storm water outlet structures exceeding 100 square metres in size;*
- Marinas exceeding 100 square metres in size;*
- Jetties exceeding 100 square metres in size;*
- Slipways exceedikng 100 square metres in size;*
- Buildings exceeding 100 square metres in size;*
- Boardwalks exceeding 100 square metres in size; or*
- Infrastructure or structures with a physical footprint of 100 square metres or more;*

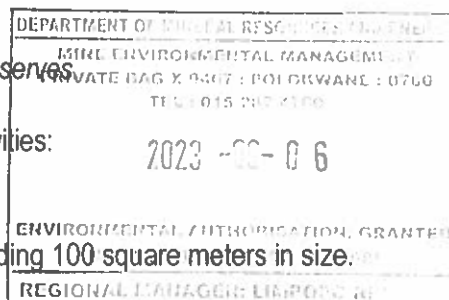
Where such development occurs –

- Within a watercourse*
- In front of a development setback; or*

- (c) If no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse; -

Excluding –

- (aa) the development of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour;
- (bb) where such development activities are related to the development of a port or harbour, in which case activity 26 in Listing Notice 2 of 2014 applies;
- (cc) activities listed in activity 14 of Listing Notice 2 of 2014 or activity 14 in Listing Notice 3 of 2014, in which case that activity applies;
- (dd) where such development occurs within an urban area; or
- (ee) where such development occurs within existing roads or road reserves



This activity relates to the undertaking of the following proposed activities:

- A channel/ canal for stormwater management purposes.
- Construction of a bridge for access roads.
- Construction of a bulk storm water outlet structures exceeding 100 square meters in size.

Activity 13 – “ The physical alteration of virgin soil to agriculture, or afforestation for the purposes of commercial tree, timber or wood production of 100 hectares or more”.

This activity relates to the undertaking of the following proposed activities:

- Construction and operation of a Pollution Control Dam and Return Water Dam.

Activity 14– “ Development of facilities or infrastructure, for the storage, or for the storage and handling, of a dangerous good, where such storage occurs in containers with a combined capacity of 80 cubic metres or more but not exceeding 500 cubic metres”.

This activity relates to the undertaking of the following proposed activities:

- Establishment of a diesel tank

Activity 24- “ The development of a road-

- (i) [a road] for which an environmental authorisation was obtained for the route determination in terms of activity 5 in Government Notice 387 of 2006 or activity 18 in Government Notice 545 of 2010; or
- (ii) [a road] with a reserve wider than 13,5 meters, or where no reserve exists where the road is wider than 8 meters; but excluding a road-
- (a) [roads] which [are] is identified and included in activity 27 in Listing Notice 2 of 2014;
- (b) [roads] where the entire road falls within an urban area;
- Or
- (c) Which is 1 kilometre or shorter

This activity relates to the undertaking of the following proposed activities:

- Haul roads and access roads will be constructed. Some of the haul roads will be up to 10m and the access roads will be less than 8m wide.

Activity 30 – “ Any process or activity identified in terms of section 53(1) of the National Environmental Management: Biodiversity Act”

This activity relates to the undertaking of the following proposed activities:

- Should any protected plant species require relocation as a result of the proposed opencast activities, a permit will be applied for in terms of NEMBA.

Activity 56 – “ Phased activities of all activities listed on the schedule, which commenced on or after the effective date on this schedule”

This activity relates to the undertaking of the following proposed activities:

- Various access roads will be developed around the opencast areas. The road development will be a phased out approach.

Activity 67 – “*Phased activities*”

This activity relates to the undertaking of the following proposed activities:

- Phased activities that will take place as per the opencast mining in terms of stormwater development, overburden dumps and backfilling and road development, LN1:24(i) 30, 34, LN2:5,7,8(ii), 11, 13, 16, 27(i) or (ii).

Listed in the EIA Regulations R. 984 of 2014 as:-

Activity 15 – “*The clearance of an area of 20 hectares or more of indigenous vegetation, excluding where such clearance of indigenous vegetation is required for-*

- The undertaking of a linear activity; or*
- Maintenance purposes undertaken in accordance with maintenance management plan”.*

This activity relates to the undertaking of the following proposed activities:

- Establishment of an opencast operation and associated infrastructure will disturb more than 20 Ha.

Activity 17 – “*Any activity including the operation of that activity which requires a mining right as contemplated in section 22 of the Mineral and Petroleum Resources Development Act, 2002 (Act 28 of 2002) , including-*

- associated infrastructure, structures and earthworks, directly related to the extraction of a mineral resource; or*
- [including activities for which an exemption has been issued in terms of section 106 of the Mineral and Petroleum Resources Development Act, 2002 (Act 28 of 2002)] the primary processing of a mineral resource including winning, extraction, classifying, concentrating, crushing, screening or washing; but excluding the secondary processing of a mineral resource, including the smelting, beneficiation, reduction, refining, calcining or gasification of the mineral resource in which case activity 6 in this Notice applies” .*

This activity relates to the undertaking of the following proposed activities:

- Crushing, Screening and Beneficiation
- Stormwater management infrastructure
- Access roads
- Conveyor belt (depending on the method of chrome transportation)

Listed in the EIA Regulations R. 985 of 2014 as:-

Activity 12- “*The clearance of an area of 300 square metres or more of vegetation*”

This activity relates to the undertaking of the following proposed activities:

- Opencast areas will require vegetation clearance that will exceed 20 Ha area in an ecological support/ CBA area.

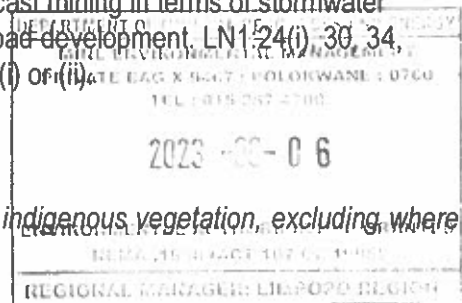
Activity 18 – “*The expansion of facilities where the development footprint will be expanded*”.

This activity relates to the undertaking of the following proposed activities:

- Various access roads will be developed around the opencast areas. The road development will be a phased approach.

Activity 26 – “*Phased activities for all activities listed on this schedule*”.

This activity relates to the undertaking of the following proposed activities:



- Phased activities that will take place as per the opencast mining in terms of stormwater development, overburden dumps and backfilling and road development. Excluded: LN3:7, 8, 11 and 13, 20, 21, 24.

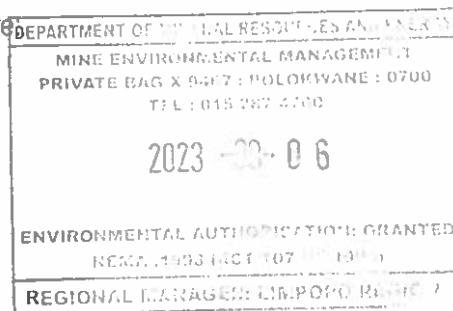
Jagdlust 418 KS and Wintersveld 417 KS cover a geographical surface area of 2064.5399 hectares (ha) and 2459.7515 hectares (ha) respectively. Jagdlust Mine is mined by means of both opencast and underground mining methods. The proposed operation will be roll-over mining, reaching a maximum depth of 40 meters. The resource will be mined further using underground mining access from an adit located in the opencast pit.

Run of Mine (RoM) will be beneficiated onsite, from where it will be sent to the various Samancor operated smelters. The estimated LoM for the mine is 34 years (LG6 + LG6A).

There will be a waste rock dump as well as a tailings storage facility on this property.

The mine presently consists of the following infrastructure:

- Site offices and parking;
- Mining Offices;
- Electricity substation and powerlines;
- Tailings storage facility;
- Pollution Control Dams;
- Waste Rock Dump (WRD);
- Return Water Dam (RWD);
- Storm water management infrastructure;
- Sewage treatment plant;
- Temporary RoM stockpiles;
- Product stockpile area;
- Beneficiation plant;
- Haul and access road;
- Ablution facilities and change house;
- Security gate;
- Workshop with site salvage yard;
- Septic tank;
- Underground adit; and
- Ore beneficiation plant (crushing, screening)



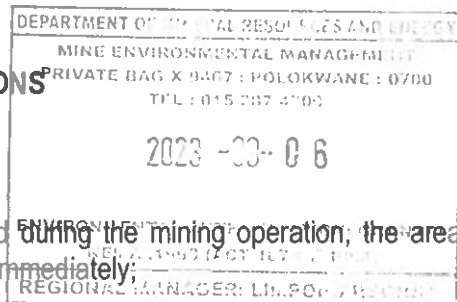
The proposed activities include the following:

- Opencast mining;
- Access roads;
- Stormwater management infrastructures;
- Associated infrastructure

No additional infrastructure will be erected on site as the proposed listed activity is for the extension of the existing opencast operation area.

The granting of this EA is subject to the conditions set out below (site specific) and in **Annexure 2** (Departmental standard conditions). The Environmental Management Programme (EMPr) attached as part of reports for the above development submitted as part of the application for an EA is hereby approved and must be adhered to throughout the life cycle of the operation.

EA SITE SPECIFIC CONDITIONS



- Only Chrome can be mined on site.
- Should any archaeological or historical artefacts be identified during the mining operation, the area should be demarcated and a heritage specialist be contacted immediately;
- All vehicles should be maintained to ensure that no contamination of soils/ surface water takes place;
- The surface and groundwater management systems should be maintained throughout the LoM;
- Rehabilitation of the environment affected by activities undertaken must be implemented as committed on the EMPR.

ANNEXURE 1

REASONS FOR THE DECISION

1. Background

Samancor Chrome Limited –ECM submitted an application for an EA for activities listed in the EIA Regulations, 2014 as-

Listed in the EIA Regulations R. 983 of 2014 as:-

Activity 9 – “ *The development of infrastructure exceeding 1000 metres in length for the bulk transportation of water or storm water -*

This activity relates to the undertaking of the following proposed activities:

- Construction of a pipeline with internal diameter of 0.36 m exceeding 1km in length for transportation of stormwater from the pollution control dam and potable water to the mine.

Activity 12 – “ *The development of –*

- (xiii) *Canals exceeding 100 square metres in size;*
- (xiv) *Channels exceeding 100 square metres in size;*
- (xv) *Bridges exceeding 100 square metres in size;*
- (xvi) *Dam, where the dam, including infrastructure and water surface area, exceeds 100 square metres in size;*
- (xvii) *Weirs, where the weir, including infrastructure and water surface area, exceeds 100 square metres in size;*
- (xviii) *Bulk storm water outlet structures exceeding 100 square metres in size;*
- (xix) *Marinas exceeding 100 square metres in size;*
- (xx) *Jetties exceeding 100 square metres in size;*
- (xxi) *Slipways exceeding 100 square metres in size;*
- (xxii) *Buildings exceeding 100 square metres in size;*

This activity relates to the undertaking of the following proposed activities:

- Should any protected plant species require relocation as a result of the proposed opencast activities, a permit will be applied for in terms of NEMBA.

Activity 56 – “*Phased activities of all activities listed on the schedule, which commenced on or after the effective date on this schedule*”

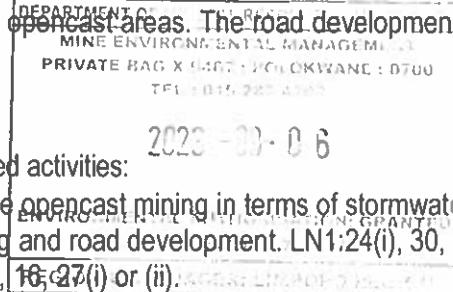
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- Phased activities that will take place as per the opencast mining in terms of stormwater development, overburden dumps and backfilling and road development. LN1:24(i), 30, 34, LN2:5,7,8(ii), 11, 13, 16, 27(i) or (ii).



Listed in the EIA Regulations R. 984 of 2014 as:-

Activity 15 – “*The clearance of an area of 20 hectares or more of indigenous vegetation, excluding where such clearance of indigenous vegetation is required for-*

- (iii) *The undertaking of a linear activity; or*
- (iv) *Maintenance purposes undertaken in accordance with maintenance management plan”.*

This activity relates to the undertaking of the following proposed activities:

- Establishment of an opencast operation and associated infrastructure will disturb more than 20 Ha.

Activity 17 – “*Any activity including the operation of that activity which requires a mining right as contemplated in section 22 of the Mineral and Petroleum Resources Development Act, 2002 (Act 28 of 2002) , including-*

- (c) *associated infrastructure, structures and earthworks, directly related to the extraction of a mineral resource; or*
- (d) *[including activities for which an exemption has been issued in terms of section 106 of the Mineral and Petroleum Resources Development Act, 2002 (Act 28 of 2002)] the primary processing of a mineral resource including winning, extraction, classifying, concentrating, crushing, screening or washing; but excluding the secondary processing of a mineral resource, including the smelting, beneficiation, reduction, refining, calcining or gasification of the mineral resource in which case activity 6 in this Notice applies” .*

This activity relates to the undertaking of the following proposed activities:

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This activity relates to the undertaking of the following proposed activities:

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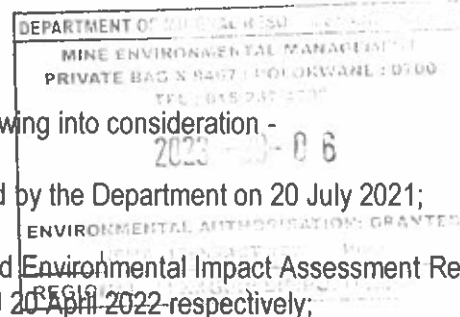
This activity relates to the undertaking of the following proposed activities:

Phased activities that will take place as per the opencast mining in terms of stormwater development, overburden dumps and backfilling and road development. Excluded: LN3:7, 8, 11 and 13, 20, 21, 24

2. Information considered in making the decision

In reaching its decision, the Department took, *inter alia*, the following into consideration -

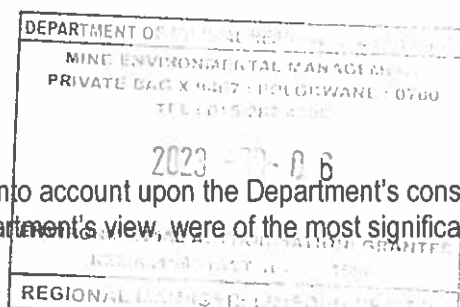
- The information contained in the application form received by the Department on 20 July 2021;
- The information contained in the Scoping Report (SR) and Environmental Impact Assessment Report (EIR) received by the Department on 20 August 2021 and 20 April 2022 respectively;
- The objectives and requirements of the applicable and relevant legislation, policies and guidelines and the EIA Regulations of 2014;
- Public Participation Process (PPP) attached as an Appendix F in the EIR
- Geohydrological Report attached as an Appendix G1 prepared by Waters without Frontiers- Water & Environmental Consultancy dated March 2019;
- Environmental Noise Impact Assessment Report attached as an Appendix G2 prepared by Letladi Maisela of Segope Water & Environmental Services dated May 2020;
- Biodiversity Report attached as an Appendix G3 prepared by Dr Gabriel Ngorima of Mawenje Consulting dated November 2021;
- Socio-economic Impact Assessment Report attached as an Appendix G4 prepared by Mr. Dean Ncala of Segope Water and Environmental Services dated November 2021;
- Soil, Land Use, Land Capability and Hydrology Agricultural Potential Assessment attached as an Appendix G5 prepared by Marine Pienaar of Terra Africa Soil, Agriculture, Environment dated 27 February 2021;
- Heritage Impact Assessment Report attached as an Appendix G6 prepared by Trust Mlilo and Joshua Kumbani of Integrated Specialist Services (Pty) Ltd dated 20 August 2021;
- Waste Management Plan attached as an Appendix G8 prepared by Letladi Maisela of Segope Water & Environmental Services dated April 2020;
- Air Quality Monitoring Report attached as an Appendix G9 prepared by Mr. Vladimir Jovic of SWES (Pty) Ltd dated 20 November 2021;
- Final Rehabilitation, Decommissioning and Mine Closure Plan attached as Appendix G11 prepared by Raelof Letter and Divan van der Merwe of XEXM Advisory Services dated October 2018;



- n) Annual Rehabilitation Plan attached as Appendix G12 prepared by Raelof Letter and Divan van der Merwe of XEXM Advisory Services dated October 2018;
- o) Environmental Risk Assessment Report attached as Appendix G13 prepared by Raelof Letter and Divan van der Merwe of XEXM Advisory Services dated October 2018;
- p) A site inspection conducted on 02 June 2022;
- q) An amount to the value of **R1 612,211,11 (One million six hundred and twelve thousand two hundred and eleven rand eleven cents)** in the form of a Bank Guarantee submitted as financial provision required in terms of section 24P of NEMA.

3. Key factors considered in making the decision

All the information presented to the Department was taken into account upon the Department's consideration of the application. A summary of the issues which, in the Department's view, were of the most significance are set out below.



- a) A sufficient Public Participation Process (PPP) was undertaken and the applicant has satisfied the minimum requirements as prescribed in the EIA Regulations, 2014 (R982 of 2014) for public involvement;
- b) The environmental impacts associated with the proposed activity will be addressed by the implementation of proposed mitigation measures outlined in the EIR compiled by Ms. L. Shilaluke of Segope Water and Environmental Services;
- c) Specialists' reports appended in the EIR/EMPR as Appendix G;
- d) Findings of the site inspection conducted on 02 June 2022;
- e) A bank guarantee to the amount of **R1 612,211,11 (One million six hundred and twelve thousand two hundred and eleven rand eleven cents)** submitted as financial provision as required in terms of section 24P of NEMA.

4. Findings

After consideration of the information and factors listed above, the Department made the following findings –

- a) The potential impacts on the proposed site were clearly investigated and mitigation measures outlined.
- b) Public Participation Process complied with Chapter 6 of the EIA Regulations R.982 of 2014 (Appendix T of the EIAR and EMPR). The PPP included, *inter-alia*, the following:
 - Newspaper advertisements were placed in the local and National newspapers "Sekhukhune Times" dated 11 March -17 March 2021 and "citizen" dated Friday 11 March 2022;
 - Photos of both Site and Public Notices with coordinates appended;
 - Proof of communication via e-mail;
 - Meetings held confirmed by a copy of a presentation, Minutes and signed attendance registers.

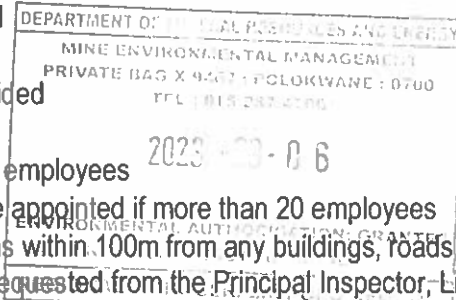
Interested and affected parties responded in writing and no objection was received to date.

ANNEXURE 2

CONDITIONS SET BY THE DIRECTORATE: MINE HEALTH AND SAFETY (MHS)

The following provisions of the Mine Health and Safety Act (Act 29 of 1996) must be complied with:

- Sec 3(1)(a): Manager must be appointed
- Sec 11: Hazard identification Risk Assessment must be conducted
- Sec 12: Occupational Hygienist must be appointed
- Sec 13: Medical surveillance must be conducted
- Sec 6: Health and Safety equipment must be provided
- Sec9: Codes of practice must be compiled
- Sec 10: Health safety training must be provided to employees
- Sec 25: Health and safety representatives must be appointed if more than 20 employees
- Reg 17(7): Application to conduct mining operations within 100m from any buildings, roads, railways or any structures that must be protected must be requested from the Principal Inspector, Limpopo
- Chapter 9: Regulations on mine environment engineering and occupational hygiene must be adhered to.
- Chapter 14: Protection of the surface and the workings must be adhered to.

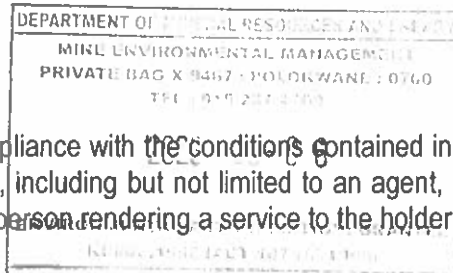


The following Regulations in force in terms of Schedule 4 of the Mine Health and Safety Act (Act 29 of 1996) must be adhered to:

- Reg 2.5.4: Permission for a manager to be responsible for two or more mines (if applicable) must be requested from the Principal Inspector, Limpopo Region.
- Reg 2.5.5: Permission for the owner to manage the mine (if applicable) must be requested from the Principal Inspector, Limpopo Region.
- Reg 2.13.1: Appointment for engineer or competent person to be in charge of machinery, mobile machines and electricity.
- Reg 4.17.1: Hearing and conservation programs
- Reg 5.8.1; 5.8.2; 7.7.1: Use of lifelines and heights
- Reg 5.8.3: Wearing of hardhats where there is danger from falling objects
- Reg 7.9.1: No undercutting of face will be permitted
- Reg 7.9.2: Clearing of edge of open face working
- Reg 24.1.1: First aid equipment must be provided
- Chapter 14: Statistical returns must be submitted as per regulation
- Reg 20.3.1: Fencing of dangerous places
- Reg 20.5: Guarding of exposed machinery
- Chapter 23 of the Mine Health and Safety Act, Act 29 of 1996: All accidents or fatal Accidents must immediately be reported to the Principal Inspector of Mines, Limpopo Region.

ANNEXURE 3

DEPARTMENTAL STANDARD CONDITIONS



1. SCOPE OF AUTHORISATION

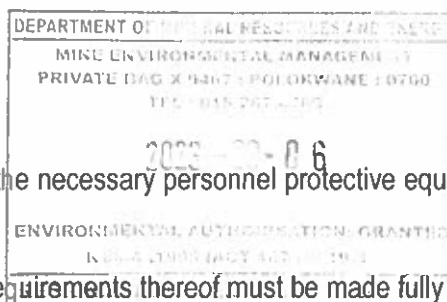
- 1.1. The holder of EA shall be responsible for ensuring compliance with the conditions contained in the EA. This includes any person acting on the holder's behalf, including but not limited to an agent, servant, contractor, subcontractor, employee, consultant or any person rendering a service to the holder of EA.
- 1.2. Any changes to, or deviation from the project description, ~~set out in this EA~~ 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 it deems necessary to evaluate the significance and impacts of such changes or deviation and it may be necessary for the holder of the EA to apply for further authorisation in terms of the EIA Regulations.
- 1.3. The activities, which are authorised, may only be carried out at the property (ies) indicated in the EA and or on the approved EMPr.
- 1.4. Where any of the holder of the EA contact details change including name of the responsible person, physical or postal address/ or telephonic details, the holder of the EA must notify the Department as soon as the new details become known to the holder of the EA.
- 1.5. The EA does not negate the responsibility of the holder to comply with any other statutory requirements that may be applicable to the undertaking of such activity (ies).
- 1.6. The holder of EA must ensure that all areas where the authorised activities occur have controlled access to ensure safety of people and animals.

2 APPEAL OF AUTHORISATION

- 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 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;
 - 2.2.4 The reasons for the decision as included in Annexure 1 and Departmental Standard Conditions in Annexure 2.
- 2.3 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 Draw the attention of all registered I &APs to the manner in which they may access the decision.
- 2.5 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.

3 COMMENCEMENT OF THE ACTIVITY (IES)



- 3.1 In order to ensure safety, all employees must be given the necessary personnel protective equipment (PPE).
- 3.2 This EA must be provided to the site operator and the requirements thereof must be made fully known to him or her.
- 3.3 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 line or wet areas.
- 3.4 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.
- 3.5 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.
- 3.6 Vegetation clearance must be limited areas where the individual activities will occur, and mitigation measures must be implemented to reduce the risk of erosion and alien species invasion.
- 3.7 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, purchased or sold unless permission is granted by the Department of Agriculture, Forestry and fisheries.
- 3.8 Construction areas (e.g. material lay down areas), topsoil and subsoil must be protected from contamination or pollution. Stockpiling must not take place in drainage lines or areas where it will impede surface water runoff.
- 3.9 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.
- 3.10 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.

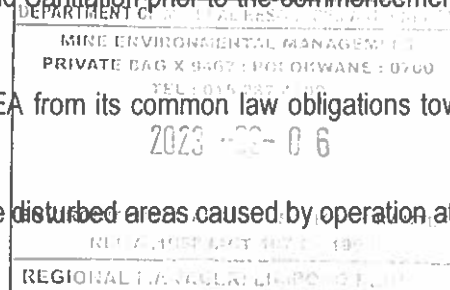
Ensure that no refuse or rubble generated on the premises is placed, dumped or deposited on the adjacent properties or public places and open space.

- 3.11 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 Applicant's 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 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.
- 3.14 Residents (if any) on the property (ies) and surrounding areas must be informed if any unusually noisy activities are planned.
- 3.15 Dust suppression measures must be implemented on all exposed surface to minimize and control airborne dust.
- 3.16 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.
- 3.17 Should any heritage remains be exposed during operation or any actions on the site, these must immediately be reported to the South African Heritage Resource Agency (SAHRA) and or Limpopo Heritage Resource Agency (LIHRA) (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 South African Heritage Resource Agency (SAHRA) and or Limpopo Heritage Resource Agency (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 artifacts 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.

- 3.18 Care must be taken to ensure that the material and excavated soil required for backfilling are free of contamination from hydrocarbons.
- 3.19 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 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.

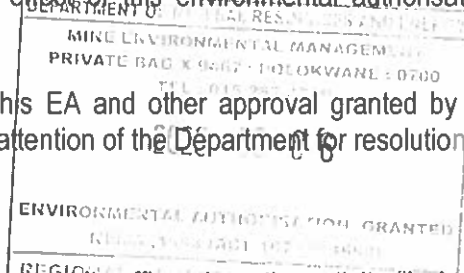
- 3.20 Chemical sanitation facilities or system such as toilets that do not rely on the seepage of liquids must be provided with a ratio of 1 for every 15 workers. These must be placed such that they prevent spills or leaks to the environment and must be maintained according to the operating instructions and the content thereof must be disposed of at an authorised waste water treatment works.
- 3.21 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).
- 3.22. 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.
- 3.23. The holder of EA must ensure that rehabilitation of the disturbed areas caused by operation at all times comply with the approved EMPr.
- 3.24. 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.
- 3.25. 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 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.
- 3.26. 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.
- 3.27. An appeal under Section 43 (7) of the National Environmental Management Act (NEMA), Act 107 of 1998 (as amended) suspend an EA or exemption or any provisions of conditions attached hereto, or any directive unless the Minister directs otherwise.
- 3.28 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.
- 3.29 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.
- 3.30 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.
- 3.31 The storage of hydrocarbons must have bund walls with adequate capacity to contain the maximum volume that is stored in the area. Uncontaminated storm water must be prevented from coming into contact with the waste and must be diverted away from the storage site.
- 3.32 Subject to the commencement and duration requirements of the MPRDA and NEMA for the listed mining activity is valid for the period for which the aforesaid right is granted provided that this 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.

- 3.33 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 EMP or EMPr.
- 3.34 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.

- 3.35 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.

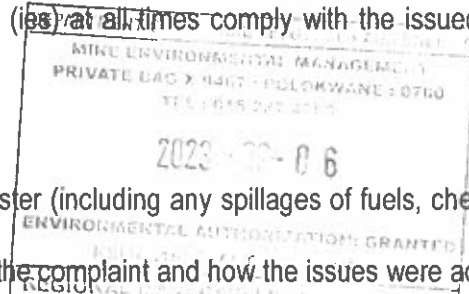


4. MANAGEMENT OF ACTIVITY (IES)

- 4.1 A copy of the EA and EMPr must be kept at the property or on site office where the activity (ies) will be undertaken. The EA and EMPr 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).
- 4.2 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.
- 4.4 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.
- 4.5 A buffer zone of 100 metres between the activity (ies) and the residential areas, cemeteries or burial grounds must be clearly demarcated and maintained.
- 4.6 The holder of the EA must prevent nuisance conditions or health hazards, or the potential creation of nuisance conditions or health hazards.
- 4.7 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.
- 4.8 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.
- 4.9 Non-compliance with any condition of this EA or EMPr may result in the issuing of a directive in terms of section 28 and or a compliance notice in terms of section 31L of NEMA.
- 4.10 This EA only authorises activities specified in the EMPr /closure plan and a new authorisation must be applied for in respect of any new activity not specified as part of the EMPr
- 4.11 Only listed activities that are expressly specified in the EMPr that forms part of this EA 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 EMPr before such

activities may be commenced with. This condition is also applicable in the case of the amendment, addition, substitution, correction, removal or updating of any detail in the aforesaid EMPr.

- 4.12 Rehabilitation of the disturbed surface caused by operation at all times must comply with the approved EMPr.
- 4.13 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 available on site to ensure that activity (ies) at all times comply with the issued EA and approved EMPr.
- 4.14 The ECO must:
- 4.16.1. Keep and maintain a detailed incidents register (including any spillages of fuels, chemicals or any other material
 - 4.16.2. 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.
 - 4.16.3 Keep records relating to monitoring and auditing on site and avail them for inspection to any relevant authorised officials.
 - 4.16.4. Keep copies of all environmental reports submitted to the Department.
 - 4.16.5. Keep the records of all permits, licences and authorisations required by the operation.
 - 4.16.6. Compile a monthly monitoring report and make it available to the Department if requested.
- 4.15 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 NEMWA and NEMA
- 4.16 The footprint of the activity (ies) must be limited on the areas authorised for the actual construction works and operational activities and all areas outside of the footprint must be regarded as a "no go" areas.
- 4.17 Erosion and soil loss must be prevented by minimizing the construction site exposed to surface water run-off. Where necessary erosion stabilizing action such as gabions or re-vegetation must be implemented to prevent further habitat deterioration.
- 4.18 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.
- 4.20 In order to prevent nuisance conditions, the holder of the EA must ensure that all storage skips and bins are not overfilled.



5 REPORTING TO THE DEPARTMENT

5.1 The holder of EA must:

- 5.1.1 submit an Environmental Audit Report to this Department biennially and such report must be done by a qualified Environmental Assessment Practitioner and the audit report must specify whether conditions of this environmental authorisation and EMPr/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;

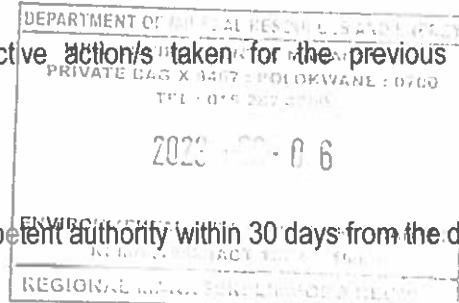
5.1.3 identify shortcomings in the EMPr/closure plan, if applicable;

5.1.4. identify the need, if any, for any changes to the management, avoidance and mitigation measures provided for in the EMPr/closure plan;

5.1.5 if applicable, specify that the corrective actions 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.



5.2 Should any shortcomings in terms of Regulation 34(4) be identified, the holder must submit recommendation to amend the EMPr/closure plan in order to rectify any shortcomings identified with the aforementioned audit report.

5.3 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.

5.4. The holder of the EA must annually assess the environmental liabilities of the operation by using the master rates in line with the applicable Consumer Price Index (CPI) at the time and address the shortfall on the financial provision submitted in terms of section 24P of NEMA.

5.5 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.

5.6 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 in condition 5.5, 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 –

5.6.1.1 Correct the impact resulting from the incident;

5.6.1.2 Prevent the incident from causing any further impact; and

5.6.1.3 Prevent a recurrence of a similar incident.

5.7 In the event that measures have not been implemented within 21 days of the incident referred to in condition 5.6, 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.

6. SITE SECURITY AND ACCESS CONTROL

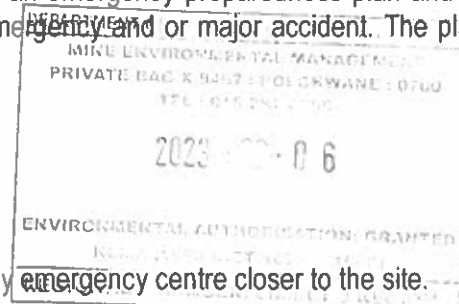
6.1 The holder of the EA must ensure effective access control on the site to reasonably prevent unauthorised entry. Signs indicating the risks involved in unauthorised entry must be displayed at each entrance.

- 6.2 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.

7. EMERGENCY PREPAREDNESS PLAN

- 7.1 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:

- 7.1.1 Site Fire
- 7.1.3 Spillage
- 7.1.3 Natural disasters such as floods
- 7.1.4 Industrial action
- 7.1.5 Contact details of police, ambulances and any emergency centre closer to the site.



- 7.2 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.

8. INVESTIGATIONS

- 8.1 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.
- 8.2 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.
- 8.3 Investigations carried out in terms of conditions 8.1 and 8.2 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. Should the investigation carried out as per conditions 8.1 and 8.2 above reveal any unacceptable levels of pollution, the holder of the EA must submit mitigation measures to the satisfaction of the Competent Authority.

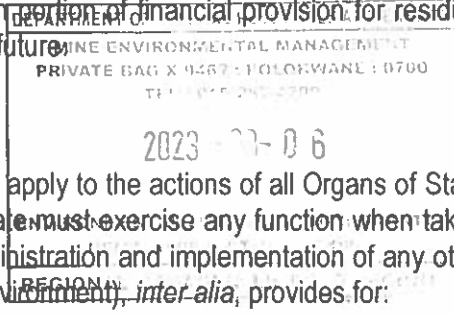
9. COMMISSIONING AND DECOMMISSIONING

- 9.1 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 EMP or EMPr.

10. SITE CLOSURE

- 10.1 The holder of EA must apply for a closure certificate in terms of Section 43 of Mineral and Petroleum Resources Development Act (Act 28 of 2002), as amended within 180 days of occurrence of lapsing, abandonment, cancellation, cessation, relinquishment and completion of development.
- 10.2 The application for closure indicated above must be submitted together with all relevant documents as indicated in Section 43 of Mineral and Petroleum Resources Development Act (Act 28 of 2002), as amended.

- 10.3 No exotic plants may be used for rehabilitation purposes only indigenous plant can be utilized for rehabilitation purposes.
- 10.4 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 Mineral and Petroleum Resources Development Act (Act 28 of 2002). Where necessary the Minister may retain certain portion of financial provision for residual, health or environmental impacts that might be known in future.



11. NEMA PRINCIPLES

The NEMA Principles (set out in Section 2 of NEMA, which apply to the actions of all Organs of State, serve as guidelines by reference to which any Organ of State must exercise any function when taking any decision, and which must guide the interpretation, administration and implementation of any other law concerned with the protection or management of the environment), *inter alia*, provides for:

- the effects of decisions on all aspects of the environment to be taken into account;
- the consideration, assessment and evaluation of the social, economic and environmental impacts of activities (disadvantages and benefits), and for decisions to be appropriate in the light of such consideration and assessment;
- the co-ordination and harmonisation of policies, legislation and actions relating to the environment;
- the resolving of actual or potential conflicts of interest between Organs of State through conflict resolution procedures; and
- the selection of the best practicable environmental option.

12. DISCLAIMER

The Department of Mineral Resources in terms of the conditions of this environmental authorisation shall not be responsible for any damages or losses suffered by the holder, developer or his/her successor in any instance where construction or operation subsequent to construction is temporarily or permanently stopped for reasons of non-compliance with the conditions as set out herein or any other subsequent document or legal action emanating from this decision.

13. RECOMMENDATIONS

In view of the above, the NEMA principles, compliance with the conditions stipulated in this EA, and compliance with the EMPr/closure plan, the competent authority is satisfied that the proposed listed activity/ies will not conflict with the general objectives of Integrated Environmental Management stipulated in Chapter 5 of NEMA, and that any potentially detrimental environmental impacts resulting from the listed activity/ies can be mitigated to acceptable levels. **The authorisation is accordingly granted.**

Your interest in the future of our environment is appreciated.

Kind Regards

**CHIEF DIRECTOR:
MINERALS AND PETROLEUM REGULATION
NORTHERN REGIONS**

DATE 06/09/2023