



Department of Mineral Resources and Energy
 Department:
 REPUBLIC OF SOUTH AFRICA

Private Bag X33, Welkom, 9460, Tel: 057 391 1342, Fax: 057 357 6003
 The Strip Building, 314 Stateway Street, Welkom, 9459

Enquiries: Ms. B. S Mthombeni Ref: FS 30/5/1/2/3/2/1 (83) EM

E-mail Address: Sibongile.Mthombeni@dmre.gov.za

Sub-Director: Mine Environmental Management

BY REGISTERED MAIL

The Directors

Harmony Gold Mining Company Limited

P.O Box 2

Randfontein

Johannesburg

1760

For attention

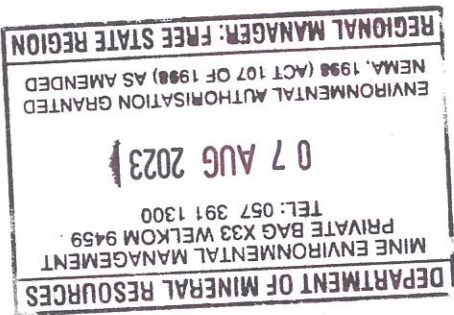
: Mr. J. van Wyk

: 011 411 2000

: 011 692 3879

E-mail

: jvwyk@harmony.co.za



COVER LETTER FOR THE GRANTING OF AN APPLICATION FOR AN AMENDMENT OF AN ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998 (ACT 107 OF 1998) (AS AMENDED) AND THE ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS, 2014 (AS AMENDED) IN RESPECT OF PORTION 1 (RE), 1 AND 7 OF THE FARM KLIPPAN 14 AND PORTION 0 (RE), 1, 11 AND 15 OF THE FARM SAAIPLAAS 690, SITUATED IN THE MAGISTERIAL DISTRICT OF VIRGINIA AND WELKOM IN THE FREE STATE PROVINCE.

With reference to the abovementioned application, please be advised that this office has decided to grant the amended environmental authorisation in terms of the National Environmental Management Act, 1998 (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 as amended you are instructed to notify all registered Interested and Affected Parties, in writing within 14 (fourteen) calendar days, from the date of the office's decision in respect of your application and the relevant provisions regarding the lodgement of an 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 a copy of such appeal to the Department of Mineral Resources and Energy (Free State 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 as amended by means of the methods as per prescribed below:

Appeal must be submitted in writing to the Department of Forestry, Fisheries, and the Environment.

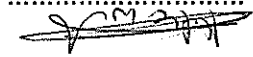
Attention : Directorate Appeals and legal Review
 Email : appeals@environment.gov.za
 Tel : (012) 399 9356
 By post : Private Bag X447, Pretoria, 0001
 By hand : Environment House, (473 Steve Biko) Corner Steve Biko and Soutpansberg Street, Arcadia, Pretoria, 0083

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

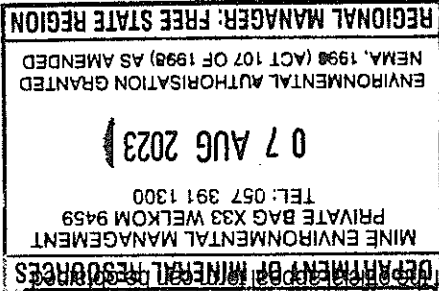
Attention : Regional Manager: Free State Region
 By facsimile : 057 357 6003
 E-mail : mamokete.mpatane@dmre.gov.za
 By post : Private Bag X33, Welkom, 9460
 By hand : The Strip Building, 314 Staterway Street, Welkom, 9459

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 Parties, and a copy of the appeal must be submitted to the Department of Mineral Resources and Energy, and the Environment.

Yours Sincerely



K. KEWUTI
 ACTING CHIEF DIRECTOR: MINERAL AND PETROLEUM REGULATION
 CENTRAL REGIONS
 DATE: 07/08/2023





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

Private Bag X33, Welkom, 9460, Tel: 057 391 1356, Fax: 057 357 6003
The Strip Building, 314 Stateway Street, Welkom, 9459

GRANTED ENVIRONMENTAL AUTHORISATION

Reference number: FS 30/5/1/2/3/2/1 (83) EM

Last amended: First Issue

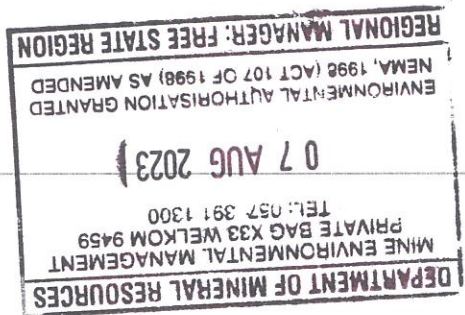
Holder of Authorisation: Harmony Gold Mining Company Limited

Location of activity: Portion 1 (Re), 1 and 7 of the farm Klippan 14 and Portions 0 (Re), 1, 11 and 15 of the farm Saaiplaas 690; situated in the Magisterial District of Welkom.

DECISION

ACRONYMS

- NEMA:** The National Environmental Management Act, 1998 (Act 107 of 1998), as amended.
- DEPARTMENT:** Department of Mineral Resources.
- 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.
- SAHRA:** South African Heritage Resources Agency.
- EIA REGULATIONS:** EIA Regulations, 2014 as amended.
- MPRDA:** Mineral and Petroleum Resources Development Act, 2002 (Act 28 of 2002), as amended.
- NEM: WA:** National Environmental Management Waste Act, 2008 (Act 59 of 2008), as amended.
- NMA:** National Water Act, 1998 (Act 36 of 1998) as amended.



EIA: Environmental Impact Assessment.
 FINANCIAL PROVISIONING REGULATIONS: The National Environmental Management Act, 1998 (Act 107 of 1998), Regulations Pertaining to the Financial Provision for prospecting, Exploration, mining or Production operations

This office is satisfied, on the basis of information available to it and subject to compliance with the conditions of this environmental authorisation, that the applicant should be authorised to undertake NEMA EIA listed activity specified below. Details regarding the basis on which the Department reached this granting decision are set out in Annexure "1" and "2" of this environmental authorisation.

ACTIVITY APPLIED FOR

By virtue of the powers conferred on it by NEMA, the Department hereby Grants an EA to Harmony Gold Mining Company Ltd with the following contact details –

The Directors

Harmony Gold Mining Company Ltd

P.O Box 2

Randfontein

Johannesburg

1760

For attention:

Mr.J.van Wyk

Tel: 011 411 2000

to undertake the following activity listed in the EIA Regulations.

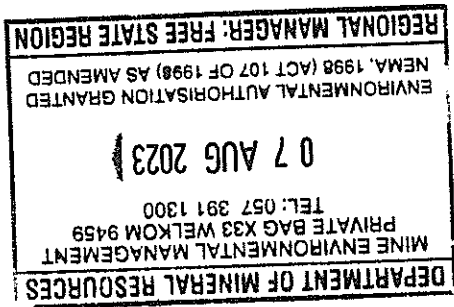
NEMA: LISTED ACTIVITIES:

Listed in the EIA Regulations GNR 327 and 324 of 2017 as amended as follows:

Activity 46- "The expansion and related operation of infrastructure for the bulk transportation of sewage, effluent, process water, waste water, return water, industrial discharge or slimes where the existing infrastructure—

(i) has an internal diameter of 0,36 metres or more; or

(iii) has a peak throughput of 120 litres per second or more; and



Proposed mining activities details are as follows:
Area under application- 5,9 ha in length and will have a corridor width of approximately 1m.
<p>Description of proposed activity:</p> <ul style="list-style-type: none"> ▪ The reclamation of Free State South 6 (FSS 6) tailing storage facility through the Tswelopele Beneficiation Operation (TBO) Saaiplaas Plant. ▪ The applicant plans to construct a new reclamation pump station at FSS6 and a slurry pipeline from FSS 6 to Brand A Pump Station to transport reclaimed slurry.

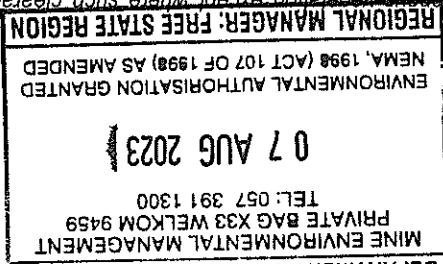
Detailed specifications of the activity are as follows:

- i. Within any critically endangered or endangered ecosystem listed in terms of section 52 of the NEMBA or prior to the publication of such a list, within an area that has This gazette is also available free online at www.gpwonline.co.za 124 No. 40772 GOVERNMENT GAZETTE, 7 APRIL 2017 been identified as critically endangered in the National Spatial Biodiversity Assessment 2004;
- ii. Within critical biodiversity areas identified in bio-regional plans;
- iii. On land, where, at the time of the coming into effect of this Notice or thereafter such land was zoned open space, conservation or had an equivalent zoning;
- iv. Areas within a watercourse or wetland; or within 100 metres from the edge of a watercourse or wetland

b. Free State

plan.

The clearance of an area of 300 square metres or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management



Activity 12- "

(aa) relates to the bulk transportation of sewage, effluent, process water or other liquid effluents, slimes within a road reserve or railway line reserve, or (bb) will occur within an urban area"

such expansion—

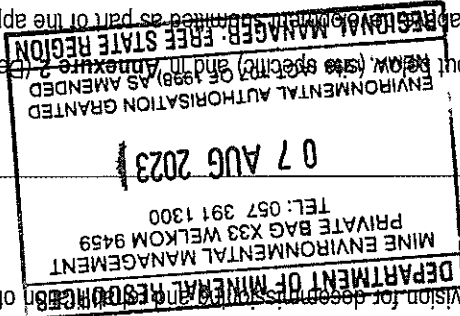
(a) where the facility or infrastructure is expanded by more than 1 000 metres in length; or

(b) where the throughput capacity of the facility or infrastructure will be increased by 10% or more; excluding where

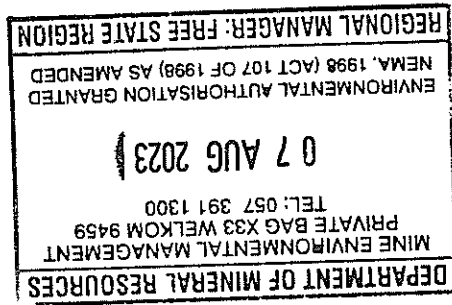
1. An agreement must be reached between Harmony Gold Mining Company Limited and the Department of Roads and Transport prior to commencement of any construction work along the R73 road and such agreement must be submitted to the DMRE office;
2. The holder must provide a decommissioning and rehabilitation plan annually as the basic assessment does not contain closure objectives for reclamation project;
3. Continuous impact management must be prioritised for the portion of the pipeline where leaks can result in ground contamination and posing danger to the public;

EA SITE SPECIFIC CONDITIONS

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



<p>review of the financial provision.</p> <ul style="list-style-type: none"> ▪ However, a is made in the BAR to include the provision for decommissioning and rehabilitation of the pipeline in the annual assessment report. ▪ The basic assessment report does not contain closure objectives for the proposed project. ▪ Implement the impact management objectives, outcomes and actions, as described in ▪ Investigate any claims by I&AP of pollution or contamination as a result of mining activities and ▪ Implements a waste management system for all waste stream present on site. ▪ Ensure the timeous clean-up of any spills ▪ Handling of potential pollutants and contaminants must be conducted in banded areas and on impermeable substrates. ▪ hazardous substances. ▪ Contain potential pollutants and contaminants at sources and ensure adequate bunding for 	<p>Measures to avoid pollution or degradation</p> <ul style="list-style-type: none"> ▪ Once at Brand A, the slurry will be pumped and transported to the Saalpaas Plant via an existing pipeline. ▪ The proposed slurry pipeline from FSS6 to Brand A Pump Station is an expansion of the existing reclamation infrastructure and is approximately 5,9 km in length and will be constructed above ground, within existing servitudes
---	---

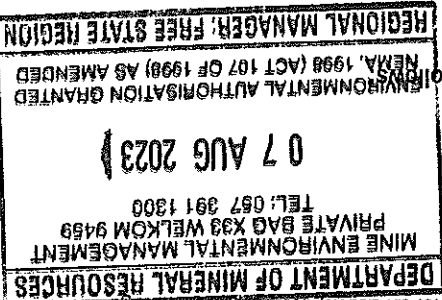


4. There must an alignment in the properties under this environmental authorisation and the water use license;
5. All mitigation measure included in the Basic Assessment Report, EMPr and associated specialist studies report must be adhere to;
6. Landowners and occupiers should be consulted prior and during the construction and installation of the pipeline; and
7. The holder must appoint an Environmental Control Officer to monitor compliance with the conditions of the Environmental Authorisation and Environmental Management Programme.

ANNEXURE 1: REASONS FOR THE DECISION

1. Background

Harmony Gold Mining Company Limited submitted an application for an EA for an activity listed in the EIA Regulations



NEMA: LISTED ACTIVITIES:

Listed in the EIA Regulations GNR 327 and 324 of 2017 as amended as follows:

Activity 46- "The expansion and related operation of infrastructure for the bulk transportation of sewage, effluent, process water, waste water, return water, industrial discharge or slimes where the existing infrastructure—

- (iii) has an internal diameter of 0,36 metres or more; or
- (iv) has a peak throughput of 120 litres per second or more; and

- (b) where the facility or infrastructure is expanded by more than 1 000 metres in length; or
- (b) where the throughput capacity of the facility or infrastructure will be increased by 10% or more; excluding where such expansion—

- (aa) relates to the bulk transportation of sewage, effluent, process water, waste water, return water, industrial discharge or slimes within a road reserve or railway line reserve; or
- (bb) will occur within an urban area"

Activity 12- "

The clearance of an area of 300 square metres or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan.

b. Free State

v. Within any critically endangered or endangered ecosystem listed in terms of section 52 of the NEMBA or prior to the publication of such a list, within an area that has This gazette is also available free online at

endangered in the National Spatial Biodiversity Assessment 2004;

vi. Within critical biodiversity areas identified in bioregional plans;

vii. On land, where, at the time of the coming into effect of this Notice or thereafter such land was zoned open

space, conservation or had an equivalent zoning; or

viii. Areas within a watercourse or wetland; or within 100 metres from the edge of a watercourse or wetland;

2. Information considered in making the decision

In reaching its decision, the Department took, *inter alia*, the following into consideration: (EMA, 1998 (ACT 107 OF 1998) AS AMENDED)

a) The information contained in the EA amendment application form received by the Department on the 06th of September 2022;

b) The information contained in the revised BAR & EMPr received by the Department on the 13th of July 2023;

c) The objectives and requirements of the applicable and relevant legislation, policies and guidelines and the EIA Regulations ;

d) Public Participation Process (PPP) attached in the EIR and EMPr.

e) Relevant information contained in the Departmental information database, including, the Department's circular on the One Environmental Management System dated 8 December 2014;

f) The comments received from "I&APs" and the responses provided thereon, as included in the BAR and EMPr received by the Department on the 13th of July 2023;

g) The sense of balance of the negative and positive impacts and mitigation measures;

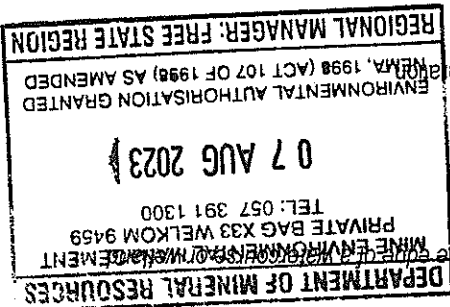
h) The Environmental Emergency Procedure Report included in the BAR and EMPr,

i) The Environmental Awareness Plan Report included to the BAR and EMPr,

j) The comments received from Mine Health and Safety on the 04th of August 2022,

k) The findings of the Wetland Impact Assessment conducted by Mr. Ivan Baker of Biodiversity Company on behalf of Harmony Gold Mining Company Ltd is included on the revised BAR and EMPr.

l) The findings of the Heritage Impact Assessment conducted by Mr. Wouter Fourie of PGS Heritage on behalf of Harmony Gold Mining Company Ltd.

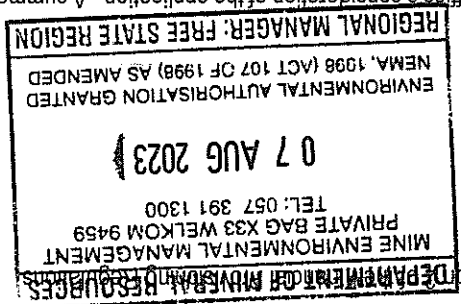


- g) The findings of the pre-approval inspection conducted on the 04th of July 2022.
- h) The findings of the Palaeontology Impact Assessment conducted by Mr.Elize Butler of PGS Heritage on behalf of Harmony Gold Mining Company Ltd.
- e) The findings of the Heritage Impact Assessment conducted by Mr. Wouter Fourie of PGS Heritage on behalf of Harmony Gold Mining Company Ltd;
- d) The findings of the Wetland Impact Assessment conducted by Mr. Ivan Baker of Biodiversity Company on behalf of Harmony Gold Mining Company Ltd is included on the revised BAR and EMPr;
- c) The Environmental Awareness Plan contained in the revised BAR and EMPr submitted to the Department on the 13th of July 2023; compiled by Mr.Sikhumbuzo Mahlangu of EIMS is in support of the development;
- b) The environmental impacts associated with the activity will be addressed by the implementation of mitigation measures outlined in the BAR and EMPr compiled by Mr.Sikhumbuzo Mahlangu of EIMS and submitted to the Department on the 13th of July 2023;
- a) Sufficient PPP was undertaken and the applicant has satisfied the minimum requirements as prescribed in the EIA Regulations for public involvement;

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

3. Key factors considered in making the decision

- o) The applicant has determined the financial provision as required in terms of the Financial Provisioning Regulations, 2015. Moreover, an amount of R 296 665,00 was provided for the environmental liability associated with this EA. This amount is deemed sufficient to cater for the purposes set in regulation 10(1)(b) of the Regulations.
- n) The findings of the pre-approval inspection conducted on the 04th of July 2022.

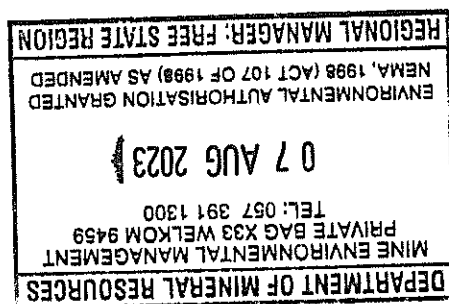


The findings of the Palaeontology Impact Assessment conducted by Mr.Elize Butler of PGS Heritage on behalf of Harmony Gold Mining Company Ltd.

4. Findings

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

- a) The potential impacts on the site were clearly investigated and mitigation measures were also outlined.
- b) The PPP complied with Chapter 6 of the EIA Regulations GNR 326. The PPP included, *inter-alia*, the following:
 - Identification of and engagement of I&Aps was undertaken on the 13th of October 2021;
 - Notification of I&Aps about the BA report was done on the 26th of November 2021.
 - Fixing a notice board at the site where the listed activity is to be undertaken;
 - Giving written notice to the owners and occupiers of land including the owners and occupiers of the land adjacent to the site where the listed activity is to be undertaken, the municipality, and the various Organs of State having jurisdiction in respect of any aspect of the listed activity;
 - The newspaper adverts published on Vista on the 14th October 2021.



ANNEXURE 2: DEPARTMENTAL STANDARD CONDITIONS

1. SCOPE OF AUTHORISATION

1.1. An agreement must be reached between Harmony Gold Mining Company Limited and the Department of Roads and Transport prior to commencement of any construction work along the R73 road and such agreement must be submitted to the DMRE office;

1.2. The holder of the 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.

1.3. Any changes to, or deviation from the project description set out in this EA must be approved in writing by the 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 EA to apply for further authorisation in terms of the EIA Regulations.

1.4. The activity (ies), which is/are authorised, may only be carried out at the property (ies) indicated in the EA and or on the approved EMP.

1.5. 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.

1.6. 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).

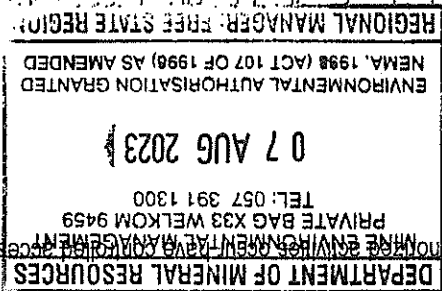
1.7. The holder of EA must ensure that all areas where the authorisation is granted have controlled access to ensure safety of people and animals.

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 regulation 4(2) of the EIA Regulation do the following:

2.2. Notify all registered I&APs of –

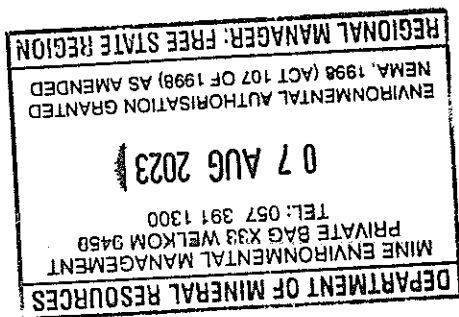
2.2.1 The outcome of the application;



- 3.1 The site establishment and drilling must not exceed an area of 0.64ha per drill site.
- 3.2 All the mitigation matters to prevent negative environmental impacts must be implemented as per the EIR and EMP.
- 3.3 No activity is to occur within wetlands and their 100m buffer zones, within rivers and their 100m buffer zones/ 1: 100 year flood line without the necessary authorization under NEMA and NWA.
- 3.4 Protected species must remain in situ until the necessary permits are obtained under NEMA: BA.
- 3.5 Heritage sites and 50m buffer zones will be preserved at all times unless the necessary permits are obtained under SAHRA.
- 3.6 Heritage studies must be conducted by a specialist once mining sites are identified, before a specialist conduct heritage assessment the holder is permitted to commence with the non-invasive mining activities only. Invasive mining can commence after a heritage impact assessment has been conducted on the proposed sites.
- 3.7 In order to ensure safety, all employees must be given the necessary personnel protective equipment (PPE).
- 3.8 This EA must be provided to the site operator and the requirements thereof must be made fully known to him or her.
- 3.9 Access routes for mining vehicles and machinery must be clearly marked and appropriate signalling must be posted to that effect. Furthermore, movement of mining vehicles and machinery must be restricted to areas outside of the drainage line or wet areas.
- 3.10 Appropriate notification sign must be erected at the mining site, warning the public (residents, visitors etc.) about the hazard around the mining area and presence of heavy vehicles and machinery.

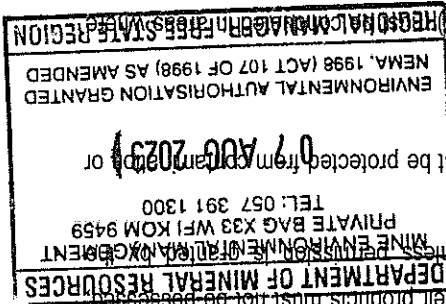
3. COMMENCEMENT OF THE ACTIVITY (IES)

- 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.

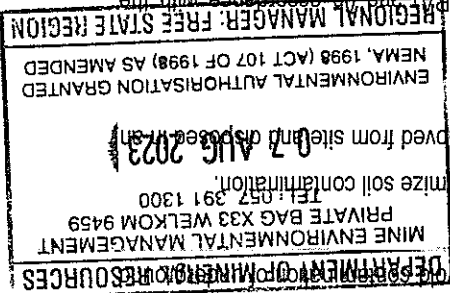


- 2.2.2.2.7 The date of the decision;
- 2.2.2.3 The date of issue of the decision and;
- 2.2.4 The reasons for the decision as included in Annexure 1 and Departmental Standard Conditions in Annexure 2.
- 2.3 Draw the attention of all registered I&APs to the fact that an appeal may be lodged against the decision in terms of the NEMA: 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:

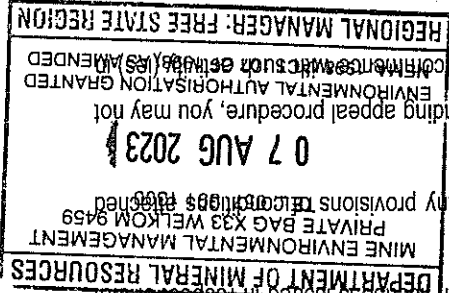
- 3.11 Mining and all related activities must be limited to daytime hours on Mondays to Saturdays and no work must be undertaken on Sundays as indicated in your report.
- 3.12 Noise abatement equipment such as mufflers on diesel engines must be maintained in good condition.
- 3.13 Mining must include 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.
- 3.14 Vegetation clearance is not permitted, and mitigation measures must be implemented to reduce the risk of erosion and alien species invasion.
- 3.15 The holder of the EA must note that in terms of the National Forest Act, 1998 (Act No. 84 of 1998) protected plant species, also listed in must not be cut, disturbed, damaged, destroyed and their products must not be possessed, collected, removed, transported, exported, donated, purchased or sold unless under an environmental licence issued by the DEPARTMENT OF MINERAL RESOURCES
- 3.16 Construction of storage areas is not permitted onsite, topsoil and subsoil must be protected from compaction or pollution.
- 3.17 All mining activities must occur in the low flow season, during the drier months.
- 3.18 An active search for floral and faunal Species of Conservation Concern (SCCC) must be conducted in the Free State Region
- 3.19 Any activity proposed within the water courses and associated buffer zones, including rehabilitation must be authorized by the DWS in terms of section 21 (c) & (f) of the National Water Act, 1998 (Act 36 of 1998).
- 3.20 The mining activity footprint must fall outside the 1:100 year flood line of the watercourse or 100m from the edge of the feature, whichever distance is the greatest.
- 3.21 Mining activities must not take place on sensitive areas as indicated on the sensitivity map, the sensitivity map must be considered when selecting mining areas.
- 3.22 The construction of site camp is not permitted.
- 3.23 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.
- 3.24 An integrated waste management approach must be implemented that is based on waste minimization and must incorporate avoidance, reduction, recycling, treatment, 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.
- 3.25 In terms of sections 28 and 30 of NEMA, and sections 19 and 20 of the NWA, 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 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.
- 3.26 Heritage remains be exposed during operation or any actions on the site, these must immediately mining vehicle must be serviced and maintained in the manner whereby no excessive smokes are produced and noise production is reduced to acceptable levels, and to prevent oil leaks. Contaminated soil must be remediated on site or removed to an authorized landfill site.
- 3.27 Residents (if any) on the property (ies) and surrounding areas must be informed if any unusual noisy activities are planned.
- 3.28 Dust suppression measures must be implemented on all exposed surface to minimize and control airborne dust.
- 3.29 Mixing of cement, concrete, paints, solvents, 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 spreading of contaminants.
- 3.30 Maintenance and refuelling of machines must be done at specified areas to minimize soil contamination.
- 3.31 Drilling muds must be contained in lined drill sumps, and the material must be removed from site and disposed in an environmental friendly manner.
- 3.32 Spill kit must be available on each site where mining activities will be taking place.
- 3.33 Should any be reported to the South African Heritage Resource Agency (SAHRA) and 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 SAHRA. The Department must also be informed about such exposure in writing. 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.
- 3.24 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.
- 3.25 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.



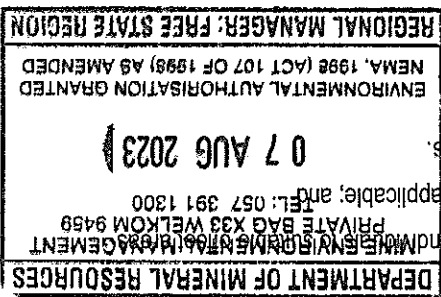
- 3.26 The holder of EA must ensure that any water uses listed in terms of section 21 of National Water Act must get authorization from Department of Water and Sanitation prior to the commencement of such activity (ies).
- 3.27 This EA does not purport to absolve the holder of EA from its common law obligations towards the owner of the surface of land affected.
- 3.28 The holder of EA must ensure that rehabilitation of the disturbed areas caused by operation at all times comply with the approved EMPr.
- 3.29 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.
- 3.30 The holder of EA must note that in terms section 43A of NEMA, WA, 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 EMPr. No person may temporarily or permanently deposits residue stockpile or residue deposit on any area or site other than on site indicated on the Environmental Management Plan or EMPr.
- 3.31 The holder of EA must note that in terms section 20 of the NEMA, WA, 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 activity if license is required.
- 3.32 An appeal under Section 43 (7) of NEMA suspend an EA or exemption or any provisions in conditions attached hereto, or any directive unless the Minister directs otherwise.
- 3.33 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 the activity (ies) amended writing.
- 3.34 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.
- 3.35 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.
- 3.36 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.
- 3.37 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.
- 3.38 This EA will only be effective on the event that a corresponding Permits or rights is issued in terms of MPRDA as amended and none of the activities listed in this EA may commence without permit.



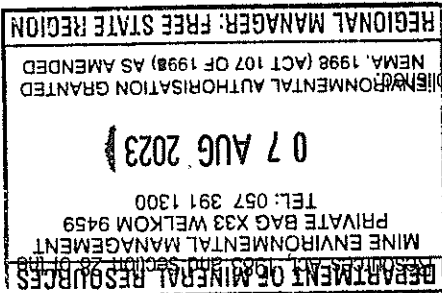
- 4.9 All sanitary facilities provided onsite must be emptied on a weekly basis and be maintained in a good hygienically condition.
- 4.8 All watercourses are off-limits to all mining vehicles and personnel
- 4.7 The holder of the EA must ensure that all non-recyclable waste are disposed of at waste management facilities licenced to handle such wastes and all recyclable waste are collected by licenced waste management facilities for recycling, reuse or treatment.
- 4.6 The holder of the EA must prevent nuisance conditions or health hazards, or the potential creation of nuisance conditions or health hazards.
- 4.5 A buffer zone of 100 metres between the activity (ies) and the residential areas, cemeteries or burial grounds, Eskom power lines and the fuel pipe line must be clearly demarcated and maintained.
- 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.
- 4.2 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.
- 4.1 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. MANAGEMENT OF ACTIVITY (IES)

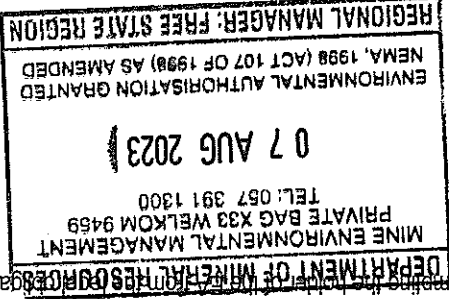
- 3.39 The listed activity (ies), including site preparation, must not commence within 20 (twenty) calendar days of the date of the notification of the decision being sent to the registered I&APs. In the event that an appeal is lodged with the appeal administrator, the effect of this environmental authorisation is suspended until such time as the appeal is decided.
- 3.40 Should there be any conflicting conditions between this EA and other approval granted by other authorities, it is the EA holder's responsibility to bring it to the attention of the Department for resolution.
- 3.41 Should any Species of Conservation Concern (SCC) or other protected floral and faunal species be encountered within the study area, the following must be done
 - ❖ If any threatened species will be disturbed, ensure effective relocation of individuals.
 - ❖ Permit applications must be obtained from the relevant authorities where applicable; and
 - ❖ A suitable qualified specialist must oversee all rescue and relocation plans.



- 4.10 No fire is permitted in or near the mining area.
- 4.11 Alien and invasive vegetation control must take place throughout the duration of the mining activities.
- 4.12 Alien species must be eradicated and controlled to prevent their spread beyond the footprint area.
- 4.13 Alien and weed species encountered within the footprint area must be removed to comply with the existing legislation (amendments to the regulations under the Conservation of Agriculture Resources and Section 28 of the National Environmental Management Act, 1998).
- 4.14 Collection of plant material for any purpose is prohibited.
- 4.15 No hunting or trapping of fauna is allowed.
- 4.16 Existing farm roads must be utilised, no new access roads must be established.
- 4.17 All vehicles must be regularly inspected for leaks.
- 4.18 Refuelling of vehicles and machines must take place on a sealed surface area to prevent soil contamination.
- 4.19 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.
- 4.20 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.
- 4.21 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.
- 4.22 In order to prevent nuisance conditions, the holder of the EA must ensure that all storage skips and bins are not overfilled.
- 4.23 In the event of vehicle breakdown, maintenance must be done with care. Drip trays must be used to control oil spillages.
- 4.24 All oil spillages must be immediately cleaned up and treated accordingly.
- 4.25 Sheet runoff from access roads must be slowed down by the strategic placement of berms
- 4.26 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.
- 4.27 All alien vegetation in the vicinity of the study area should be removed regularly and reseeded with indigenous grasses and sedges throughout the life cycle of the of the mining activities
- 4.28 Non-compliance with any condition of this EA or EMPr may result in the issuing of a directive in terms of section 28 and a compliance notice in terms of section 31L of NEMA.
- 4.29 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, and removal or updating of any detail in the aforesaid EMPr.
- 4.30 Rehabilitation of the disturbed surface caused by operation at all times must comply with the approved EMPr.



- 5.1.1 Submit and Environmental Audit Report to this Department annually and such report must be done by qualified Environmental Assessment Practitioner and must the audit report must specify whether conditions of this environmental authorisation and EMPr 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, 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. REPORTING TO THE DEPARTMENT

5.1 The holder of EA must:

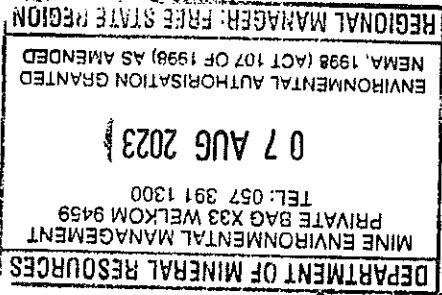
4.34 The duties and responsibility of the ECO should not be seen as exempting the holder of the EA from obligations in terms of NEMA.

- 4.33.1 Keep and maintain a detailed incidents register including any spillages of fuels, chemicals or any other material.
- 4.33.2 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.
- 4.33.3 Keep records relating to monitoring and auditing on site and avail them for inspection to any relevant authorised officials.
- 4.33.4 Keep copies of all environmental reports submitted to the Department.
- 4.33.5 Keep the records of all permits, licences and authorisations required by the operation.
- 4.33.6 Compile a monthly monitoring report and make it available to the Department if requested.

4.33 The ECO must:

- 4.31 Rehabilitation must be applied on an on-going basis and no sites must be left exposed for more time than necessary to obtain the necessary data.
- 4.32 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 available on site to ensure that activity (ies) at all times comply with the issued EA and approved EMPr.

- 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) of the EIA Regulations be identified, the holder must submit recommendation to amend the EMPr 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 as contemplated in the Financial Provisioning Regulations, 2015 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.



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.

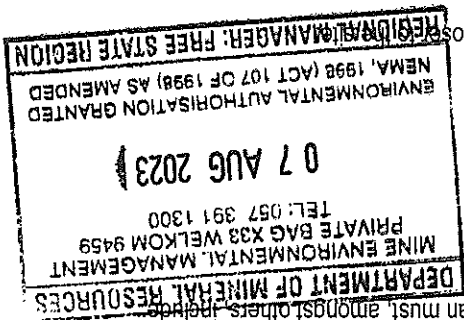
8.2 If, in the opinion of the Competent Authority, pollution may be or is occurring, the holder of the EA must initiate an investigation into the cause of the problem or suspected problem. Such investigation must include the monitoring of the water quality variables, at those monitoring points and such 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.

8. INVESTIGATIONS

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.



7.1.5 Contact details of police, ambulances and any emergency centre close to the site must be included in the EA.

7.1.4 Industrial action

7.1.3 Natural disasters such as floods

7.1.3 Spillage

7.1.1 Site Fire

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. EMERGENCY PREPAREDNESS PLAN

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.

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. SITE SECURITY AND ACCESS CONTROL

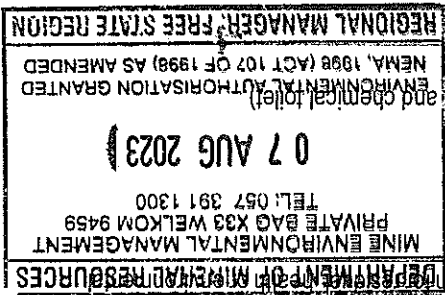
9. COMMISSIONING AND DECOMMISSIONING

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 EMPr.

10. SITE CLOSURE

10.1 The holder of EA must apply for a closure certificate in terms of section 43 of the MPRDA within 180 days of occurrence of lapsing, abandonment, cancellation, cessation, relinquishment and completion of development. The application for closure indicated above must be submitted together with all relevant documents as indicated in section 43 of the MPRDA.

10.1.2 Vegetation growth must be retained around the proposed mining areas to protect the soil.
10.1.3 No exotic plants may be used for rehabilitation purposes only indigenous plant can be utilized for rehabilitation purposes.
10.1.4 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 the MPRDA. Where necessary the Minister may retain certain portion of financial provision for rehabilitation purposes.



10.1.5 The following must also be implemented as per the BAR and EMPr:
impacts that might be known in future.

10.1.5.1 Removal of infrastructures (drill rig, mobile diesel tank, mobile water tank and chemical toilet)

10.1.5.2 Capping boreholes as per legal requirements.

10.1.5.3 Ensure that no foreign matter is left behind on the drill site.

10.1.5.4 Refilling the sump required for the drilling activities, the plastic lining will be removed and disposed of in a registered landfill site and the soil returned for rehabilitation purposes.

10.1.5.5 The drill sites will be inspected for any signs of hydrocarbon pollution.

10.1.5.6 Any identified soil polluted will be removed and disposed of in an environmental friendly manner.

10.1.5.7 Any area compacted as a result of the drilling will be ripped and any ruts created by accessing or leaving the site for the drilling activity will be filled in to prevent erosion.

10.1.5.8 Re-vegetation in the affected areas, and

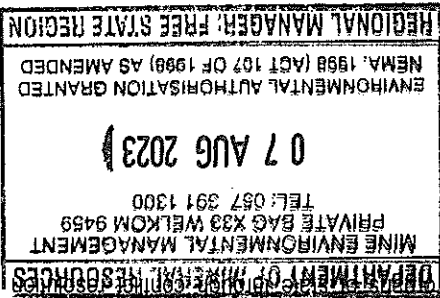
10.1.5.9 The applicable land owners will be requested to inspect the rehabilitated sites.

In view of the above, the NEMA principles, compliance with the conditions stipulated in this EA, and compliance with the EMP, 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.

13. RECOMMENDATIONS

The Department, 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.

12. DISCLAIMER



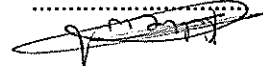
- the selection of the best practicable environmental option.
- the resolving of actual or potential conflicts of interest between procedures; and
- the co-ordination and harmonisation of policies, legislation and actions relating to the environment; assessment;
- the consideration, assessment and evaluation 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
- the effects of decisions on all aspects of the environment to be taken into account;

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 organs 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:

11. NEMA PRINCIPLES

DEPARTMENT OF MINERAL RESOURCES
 MINE ENVIRONMENTAL MANAGEMENT
 PRIVATE BAG X33 WELKOM 9459
 TEL: 067 391 1300
 07 AUG 2023
 ENVIRONMENTAL AUTHORISATION GRANTED
 NEMA, 1988 (ACT 107 OF 1998) AS AMENDED
 REGIONAL MANAGER: FREE STATE REGION

K.KEWUTI
 ACTING CHIEF DIRECTOR
 MINERAL AND PETROLEUM REGULATION
 CENTRAL REGIONS
 DATE: 07/08/2023



Yours Sincerely

Your interest in the future of our environment is appreciated.