

Private Bag X 9467, Polokwane, 0700, Tel: 015 287 4761, Fax: 015 287 4729 DMR Building, 101 Dorp Street, Polokwane, 0699

Enquiries: Ms Ramulondi H Ref: LP30/5/1/1/3/2/1 (12814) EM
E-Mail Address: Happy.Ramulondi@dmr.gov.za
Sub-Directorate: Mine Environmental Management

De Beers Consolidated Mines (Pty) Ltd P.O Box 616 Kimberly 8300

Attention: Anette Bason

Fax no: (053) 839 4880

DEPARTMENT OF MINERAL RESOURCES

MINE ENVIRONMENTAL MANAGEMENT

PRIVATE BAG X 9467 : POLOKWANE : 0706

TEL: 015 287 4700

1 7 MAR 2017

ENVIRONMENTAL AUTHORISATION : GRANTED NEMA , 1998 (ACT 107 OF 1998) , AS AMENDED REGIONAL MANAGER : LIMPOPO REGIO

ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998 (NEMA) AS AMENDED, AND THE ENVIRONMENTAL IMPACT ASSESSMENT (EIA) REGULATIONS, 2014 FOR PROSPECTING RIGHT ON THE FARMS DARTMOUTH 27 LR, MAJORCA 28 LR, MINORCA 31 LR, EENDRACHT 33 LR, NAPLES 35 LR, NEDERLAND 45 LR, COCHIN-CHINA 46 LR AND YARMOUTH 152 MR DISTRICT OF MOKOPANE OF LIMPOPO REGION

With reference to the abovementioned application, please be advised that the Department has decided to **grant** environmental authorisation in terms of National Environmental Management Act (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 Environmental Affairs and a courtesy copy of such an appeal to the Department of Mineral Resources (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 Environmental Affairs**

Attention

: Directorate Appeals and Legal Review

**Email** 

: appealsdirectorate@environment.gov.za

By post

: Private Bag X 447, PRETORIA, 0001

By hand

: Epvironmental House, Corner Steve Biko and Soutpansberg Street, Arcadia, Pretoria,

Ø083

# Copy of the lodged appeal to the Department of Mineral Resources

Attention

Regional Manager: Limpopo Region

By facsimile

: (01/5) 297 /7230

E-mail

:/tebogo.mangaba@dmr.gov.za

By post

Private Bag X 9467, POLOKWANE, 0700

By hand

: DMR 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 Environmental Affairs.

Kind Regards

REGIONAL MANAGER: MINERAL REGULATION

DATE: 7 March 2017

DEPARTMENT OF MINERAL RESOURCES MINE ENVIRONMENTAL MANAGEMENT PRIVATE BAG X 9467 : POLOKWANE : 0700 TEL: 015 287 4700

1 7 MAR 2017

ENVIRONMENTAL AUTHORISATION : GRANTED NEMA . 1998 (ACT 107 OF 1998) , AS AMENDED REGIONAL MANAGER : LIMPOPO REGION



# mineral resources

Department: Mineral Resources REPUBLIC OF SOUTH AFRICA

Private Bag X 9467, Polokwane, 0700, Tel: 015 287 4761, Fax: 015 287 4729 DMR Building, 101 Dorp Street, Polokwane, 0699

# **ENVIRONMENTAL AUTHORISATION**

LP30/5/1/1/3/2/1 (12814) EM

Reference number:

Last amended:

First issue

Holder of authorisation:

De Beers Consolidated Mines(Pty)Ltd

Location of activity:

Farms Dartmouth 27 LR, Majorca 28 LR, Minorca 31 LR , Eendracht 33 LR, Naples 35 LR, Nederland 45 LR, Cochin-china 46 LR and Yarmouth 152 MR

TEL: 015 287 1700

17 MAR 2017

ENVIRONMENTAL AUTHORISATION : GRANTED NEMA , 1998 (ACT 107 OF 1998) , AS AMENDED

REGIONAL MANAGER : LIMPOPO REG

#### **DECISION**

### **ACRONYMS**

**NEMA** 

: The National Environmental Management Act, 1998 (Act 107 of 1998) as amended

Department of Mineral Resources

Department of Mineral Resources MINE ENVIRONMENTAL MANAGEMENT PRIVATE BAG X 9467 PCLGKWANE : 0700

**DEPARTMENT** 

: Department of Mineral Resources. : Environmental Authorisation.

EΑ **IEA** 

: Integrated Environmental Authorisation.

**EMPr** 

: Environmental Management Programme

BAR S&EIR : Basic Assessment Report : Scoping and Environmental Impact Report

I&AP

: Interested and Affected Parties

**ECO** 

: Environmental Control Officer

LIHRA SAHRA : Limpopo Heritage Resource Agency : 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 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** "1" and 2 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 De Beers Consolidated Mines (Pty)Ltd with the following contact details –

De Beers Consolidated Mines (Pty)Ltd P.O Box 616 Kimberly 8300

**Tel no:** (053) 839 4243

Fax no:

(053) 839 4800

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

DEPARTMENT OF MINERAL RESCA MINE ENVIRONMENTAL MANAGEMENT PRIVATE BAG X 9467 : POLOKWANE : 0700 TEL: 015 287 4700 17 MAR 2017 ENVIRONMENTAL AUTHORISATION : GRANTED NEMA , 1998 (ACT 107 OF 1998) , AS AMENDED REGIONAL MANAGER: LIMPOPO REGION

# **NEMA: LISTED ACTIVITIES:**

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

Activity 20 - "Any activity including the operation of that activity which requires a prospecting right in terms of section 16 of the Mineral and Petroleum Resources Development Act, 2002 (Act 28 of 2002), including associated infrastructure, structures and earthworks, directly related to prospecting of a mineral resource",

### Detailed specifications of the activity are as follows:

# Proposed Prospecting details are as follows:

Area to be transformed – 10014,3113 hectares

Description of the overall activities: Prospecting without bulk sampling

The granting of this EA is subject to the conditions set out below (site specific) and in Annexure 2 (Departmental standard conditions). The Basic Assessment Report and 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 eight (08) boreholes or less must be drilled as committed on the BAR and EMPr submitted on 09 December 2016
- All development footprint areas and areas affected by the proposed development must remain as small as possible and must not encroach onto the surrounding sensitive areas and the associated buffer zones.

Protected plant species must not be removed (disturbed, cut and destroy their products which may not be possessed, collected, removed, transported, exported, donated, purchased or sold) unless the necessary permission is granted by the Department of Agriculture, Forestry and URCLS Fisheries (DAFF).

Prospecting activities are only limited to Diamond (in kimberlite) mineray ATE BAG X 9467 : POLOKWANE : 07000

MINE ENVIRONMENTAL MANAGEMENT TEL: 015 287 4700

17 MAR 2017

**ENVIRONMENTAL AUTHORISATION: GRANTED** NEMA , 1998 (ACT 107 OF 1998) , AS AMENDED

REGIONAL MANAGER : LIMPOPO REC

ANNEXURE 1: REASONS FOR THE DECISION

#### 1. Background

De Beers Consolidated Mines (Pty) Ltd submitted a BAR and EMPr for approval for activities listed in the EIA Regulations of 2014 as:

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

Activity 20 - "Any activity including the operation of that activity which requires a prospecting right in terms of section 16 of the Mineral and Petroleum Resources Development Act, 2002 (Act 28 of 2002), including associated infrastructure, structures and earthworks, directly related to prospecting of a mineral resource",

De Beers Consolidated Mines (Pty)Ltd appointed Theophilulus Rikhotso Twarisani to undertake the Basic Assessment process as required by Regulation 19 of the EIA Regulations

#### 2. Information considered in making the decision

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

- a) The information contained in the BAR and EMPr received by the Department on 09 December 2016;
- b) The objectives and requirements of the applicable and relevant legislation, policies and guidelines and the EIA Regulations of 2014;
- Public Participation Process (PPP) attached on the BAR and EMPr; c)
- d) The Environmental Awareness Plan included on the BAR and EMPr
- The information contained in the application for EA received by this department on 13 September 2016. e)

# 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 R 982 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 BAR and EMPr compiled by Theophilulus Rikhotso Twarisani
- c) The Closure and Rehabilitation Plan included in the BAR/EMPr dated 09 December 2016; compiled by Theophilulus Rikhotso Twarisani
- d) The Financial provision to the value of R 266,636.00 submitted on 09 March 2017

# 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. The Public Participation Process included, *inter-alia*, the following:
  - A Proof of newspaper advert
  - Minutes of the meeting held with identified interested and affected parties
  - Letters/emails sent to Department of Land affairs and other interested and affected parties



- 2.5.2 Name of the responsible person for this EA

  Anette Bason
- 2.5.3 Postal address of the holder; P.O Box 616 Kimberly 8300
- 2.5.4 Telephonic and fax details of the holder and **053 839 4243, 053 839 4880**
- 2.5.5 E-mail address of the holder if any.

Prospecting.rights@debeersgroup.com

MINE ENVIRONMENTAL MANAGEMES,
PRIVATE BAG X 9467 : POLOKWANE : 0700
TEL: 015 287 4700

17 MAR 2017

ENVIRONMENTAL AUTHORISATION : GRANTED NEMA , 1998 (ACT 107 OF 1998) , AS AMENDED

REGIONAL MANAGER : LIMPOPO RE

# 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 on 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 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.
  - 3.12 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. Conteminated soil must be remediated on site or removed to an authorised landfill site.

    | DEPARTMENT | POLOKWANE: 0700
  - 3.14 Residents (if any) on the property (ies) and surrounding areas must be informed if any unusually 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

- 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 The proposed activity must commence within 10 years. If the commencement of the proposed activity does not occur within the specified period, the EA lapses and a new application for EA in terms of the NEMA and the EIA Regulations should be made for the activity to be undertaken.
- 3.33. 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..34 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.
- 3.35. This EA will only be effective on the event that a corresponding right is issued in terms of MPRDA as as amended and none of the activities listed in this EA may commence without a prospecting right was a general was a

TEL: 015 287 4700

# 4.

- 4.1 A copy of the EA and EMPr must be kept at the property or on site office where the activity will be undertaken. The EA and EMPr must be produced to any authorised officials of the Department, who NTED request to see it and must be made available for inspection by any employee or agent of the holder of IONAL MANAGER : LIMPOPO REGIS 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 The holder of the EA must prevent nuisance conditions or health hazards, or the potential creation of nuisance conditions or health hazards.
- 4.6 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.
- The holder of the EA must ensure that all liquid wastes, whose emissions to water or land could cause 4.7 pollution are diverted to sewer, after testing water quality and receiving written approval from the relevant local authority.
- Non-compliance with any condition of this EA or EMPr may result in the issuing of a directive in terms of 4.8 section 28 and or a compliance notice in terms of section 31L of NEMA.
- Only listed activities that are expressly specified in the EMPr that forms part of this EA may be 4.9 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.

4.10 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.

#### 4.11 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 reoccurrence 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.
- The duties and responsibility of the ECO should not be seen as exempting the holder of the EA 4.12 from the legal obligations in terms of the NEMA
- The footprint of the activity (ies) must be limited on the areas authorised for the actual construction 4.15 works and operational activities and all areas outside of the footprint must be regarded as a "no go" areas.
- 4.16. 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.
  - 4.17. 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.

4.18.In order to prevent nuisance conditions, the holder of the EA must ensure that all storage skips and ... IMENT OF MINERAL RESOURCES bins are not overfilled. A ENVIRONMENTAL MANAGEMENT PROJATE BAG X 9467 : POLOKWANE : 0700 TEL: 015 287 4700

1 7 MAR 2017

WIRONMENTAL AUTHORISATION GRANTED 1098 (ACT 107 OF 1998), AS AMENDED

NINE MANAGER : LIMPOPO REGION

#### REPORTING TO THE DEPARTMENT

5.1 The holder of EA must:

- 5.1.1 submit an Environmental Audit Report to this Department biannually and such report must be done by qualified Environmental Assessment Practitioner and must specify whether conditions of this environmental authorisation and 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;
- identify shortcomings in the EMPr/closure plan, if applicable; 5.1.2.1
- 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;
- if applicable, specify that the corrective action/s taken for the previous audit's non-conformities, 5.1.5 was adequate;
- 5.1.6 Specify the name of the auditor and
- Be submitted by the holder to the competent authority within 30 days from the date on which 5.1.7 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 – TOL PARTMENT OF MINE MANAGEMENT MINE ENVIRONMENTAL MANAGEMENT PRIVATE BAG X 9467 : POLOKWANE : 0700 TEL: 015 287 4700
- 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

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

#### **EMERGENCY PREPAREDNESS PLAN** 7.

The holder of the EA must maintain and implement an emergency preparedness plan and review is 7.1 biennially when conducting audit and after each emergency and or major accident to plantimust, amongst others, include: PRIVATE BAG X 9467 : POLOKWANE : 8780 amongst others, include: TEL: 015 287 4700

17 MAR 2017

- 7.1.1 Site Fire
- 7.1.3 Spillage
- 7.1.3 Natural disasters such as floods
- 7.1 4 Industrial action
- ENVIRONMENTAL AUTHORISATION : GRANTED NEMA , 1398 (ACT 107 OF 1998) , AS AMENDED 7.1.5 Contact details of police, ambulances and any emergency centre closento the site. LIMPOPO REGION
- 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 prospecting activity must take place within the phases and timeframes as second from the phase and timeframes as second from the phase are the phase and timeframes as second from the phase are the phase ar

PRIVATE BAG X 9467 : POLOKWANE : 0700 TEL: 015 287 4700

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ENVIRONMENTAL AUTHORISATION : GRANTED NEMA , 1998 (ACT 107 OF 1998) , AS AMENDED

SEGIONAL MANAGER : LIMPOPO REGION:

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.
- 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 and the NEMA principles, compliance with the conditions stipulated in this EA as well as with the EMPt/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 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

REGIONAL MANAGER: MINERAL REGULATION

DATE 1.7 March 2017