



EA Holder:
Van Eeden Projects Trust
P.O. Box 166
Kwambonambi
3915
Tel: 035 550 5058/9
Fax: 035 550 5035
Mr. VJ van Eeden

Reference Nr: KZN 30/5/1/3/2/10415MP

To whom it may concern

5 February 2016

RE: APPROVAL OF ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998 (NEMA) AS AMENDED, AND THE ENVIRONMENTAL IMPACT ASSESSMENT (EIA) REGULATIONS, 2014 FOR MINING ON PORTION 1 OF LOT 29 OF UMFOLOZI NO 15607 BY VAN EEDEN PROJECTS TRUST WITHIN THE MBONAMBI LOCAL MUNICIPALITY, KWAZULU-NATAL PROVINCE

Notice is hereby given that authorisation was granted through the Environmental Authorization in terms of the National Environmental Management Act, 1998 (Act No 107 of 1998) and the Environmental Impact Assessment Regulations, 2014 to Van Eeden Projects Trust to carry out the following activity:

- Mine a portion of Portion 1 of Lot 29 of Umfolozi No 15607, Magisterial District of Kwambonambi, for stone aggregate gravel.

A copy of the Environmental Authorisation is available from Greenmined Environmental, Suite 62, Private Bag X15, Somerset West, 7129, or contact Christine Fouche (021) 851 2673 (Tel), 086 546 0579 (Fax), christine.f@greenmined.co.za.

Date of Decision: 02 February 2016

Date of Issue of Decision: 03 February 2016

Reasons for Decision: See reasons for the decision attached as Annexure 1

Departmental Standard Conditions: See attached as Annexure 2

Appeal Procedure: An appellant must submit the appeal to the Minister of Environmental Affairs and a copy of such appeal to the Department of Mineral Resources (KwaZulu-Natal Regional Office), within 20 days from the date of notification, and such appeal must be lodged as prescribed by Chapter 2 of the National Appeal Regulation of 2014, by means of the methods as prescribed below:

the goal isn't to live forever, it is to protect a planet that will

Greenmined Environmental (Pty) Ltd | Tel: 021 851 2673 | Fax: 086 546 0579
Unit M01, Office No 36, AECL Site, Baker Square, Paardevlei, De Beers Avenue, Somerset West, 7130
Postnet Suite 62, Private Bag x15, Somerset West, 7129
Directors: S Smit; R L Shedlock; C Weideman | Reg No: 2012/055565/07 | VAT No. 4040263032



Appeal to the Department of Environmental Affairs:

Attention: Directorate Appeals and Legal Review

Email: appealsdirector@environment.gov.za

By Post: Private Bag X447, Pretoria, 0001

By Hand: Environmental House, 473 Steve Biko Road, Arcadia, Pretoria, 0083

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

Attention: Regional Manager: KwaZulu-Natal Region

By facsimile: (031) 335 9643/00

Email: ncamisile.mtshali@dmr.gov.za

By Post: Private Bag X54307, Durban, 4000

By Hand: 333 Anton Lembede Street, 3rd Floor Durban Bay House, Durban, 4000

In the event that you decide to appeal the decision, you must comply with the National Appeal Regulations of 2014 in relation to notification of the applicant and all registered interested and affected parties. A copy of the official appeal form can be obtained from the Department of Environmental Affairs.

We trust you will find this in order. Please do not hesitate to contact us in the event of any uncertainties.

Yours faithfully

A handwritten signature in black ink, appearing to read 'Fouche', is written over a dotted line.

Christine Fouche

Greenmined Environmental



ANNEXURE 1

EA SITE SPECIFIC CONDITIONS

1. The storm water control measures and waste management measures outlined in the EMP must be implemented to prevent an impact on the Msunduzi river.
2. There must be consultation with the South African National Roads Agency and their conditions must be obtained in writing with regards to the access onto the N2 in the event the preferred alternative access onto the provincial road is not feasible during operations. The proof of consultation and SANRAL's conditions must form part of an amendment to the EA.
3. The development of the quarry must be undertaken in line with of the final shape and profile of the site and the surrounding areas.

ANNEXURE 1: REASONS FOR THE DECISION

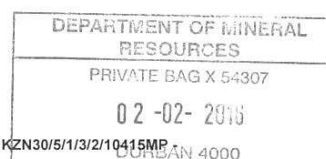
1. Background

Van Eeden Projects Trust submitted an application for an EA for activities listed in the NEMA EIA Regulations 2014 as:

Listed in the EIA Regulations R983 of 2014 as:-

Activity 21 "Any activity including the operation of that activity which requires a mining permit in terms of section 27 of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002), including associated infrastructure, structures and earthworks directly related to the extraction of a mineral resource, including activities for which an exemption has been issued in terms of section 106 of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002)"

Van Eeden Projects Trust appointed Greenmined Environmental (Pty) Ltd to undertake the Basic Assessment process as required by Regulation 19 of the EIA Regulations





2. Information considered in making the decision

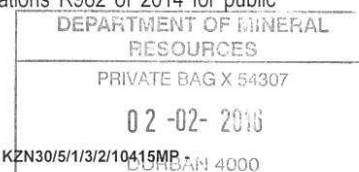
In reaching its decision, the Department took, *inter alia*, the following into consideration -

- a) The information contained in the revised application form received by the Department on 13 July 2015.
- b) The information contained in the Basic Assessment received by the Department on 13 July 2015.
- c) The objectives and requirements of the applicable and relevant legislation, policies and guidelines and the EIA Regulations of 2014;
- d) Public Participation Process (PPP) attached as Appendix E of the BAR.
- e) The Supporting Impact Assessment attached to the BAR as Appendix F;
- f) The Financial and Technical Competence Report attached as Appendix G of the BAR.
- g) The Proof of Water Use Authorisation attached as appendix J of the BAR.
- h) The findings of site inspection conducted by Mr KG Moodley of this Department with Mr VJ Van Eeden, the Applicant, on 23 October 2015.

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 R982 of 2014 for public involvement;



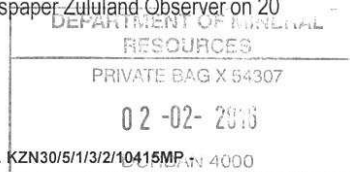


- b) The environmental impacts associated with the proposed activity will be addressed by the implementation of proposed mitigation measures outlined in the BAR compiled by Christine Fouche of Greenmined Environmental (Pty) Ltd;
- c) The Environmental Awareness Plan Report compiled by Greenmined Environmental (Pty) Ltd in support of development.

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) The findings of site inspection conducted by Mr.KG Moodley of this Department with Mr VJ Van Eeden representing the applicant is as follows:
 - The proposed project is proposed in a sugar cane field.
 - The site has an old quarry which will be rehabilitated as part of the development of this quarry.
 - The Msunduzi is a sensitive receptor but any potential impacts on this water resource can be mitigated and it is more than 100m from the mining operation. Mining operations and the quarry development will be conducted in a North-Westerly direction away from the river
- c) Public Participation Process complied with Chapter 6 of the EIA Regulations R982. The PPP included, *inter-alia*, the following:
 - A newspaper advertisement was placed in the local newspaper Zululand Observer on 20 February 2015.





- Notices were placed at the project site on 18 February 2015.
- Notices were sent to all key stakeholders and the registered interested and affected parties;



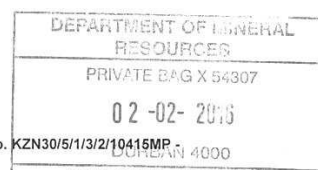


ANNEXURE 2

ANNEXURE 2: 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 the 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 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.
- 1.3. 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 contact details of the holder of the EA change, including the 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.



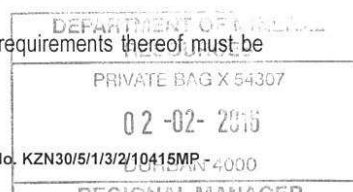


2 APPEAL OF AUTHORISATION

- 2.1. The holder of the 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 available.

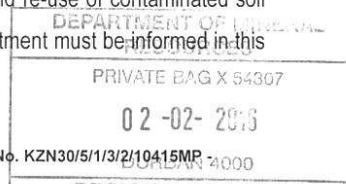
3. COMMENCEMENT OF THE ACTIVITY (IES)

- 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 any drainage lines.
- 3.4. Appropriate signage must be erected at the construction site, warning the public (residents, visitors etc.) about the hazard around the construction site and the 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 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 this Department and the 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.



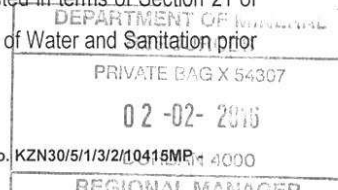


- 3.10. An integrated waste management approach must be implemented that is based on waste minimization and must incorporate avoidance, reduction, recycling, treatment, reuse and disposal where appropriate. Any uncontaminated rubble generated on the premises can be re-used as back filling material on 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 responsibility of the holder of the EA 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 such a manner that no excessive fumes are emitted, noise is reduced to acceptable levels, and to petro-chemical leaks are prevented. Contaminated soil must be remediated on site or removed to an authorised landfill site.
- 3.13. Residents (if any) on the property (ies) and surrounding areas must be informed if any unusually noisy activities are planned and in advance of every blast.
- 3.14. Dust suppression measures must be implemented on all exposed surface to minimize and control airborne dust.
- 3.15. Mixing of cement, concrete, paints, solvent, sealants and adhesives 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.





- 3.16. 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 AMAFA - KZN (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 AMAFA – KZN.
- 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.
- 3.17. Care must be taken to ensure that the material and excavated soil required for backfilling are free of contamination from hydrocarbons.
- 3.18. 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.
- 3.19. 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.
- 3.20. The holder of the EA must ensure that any water uses listed in terms of Section 21 of National Water Act must be authorized by the Department of Water and Sanitation prior to the commencement of such activity (ies).





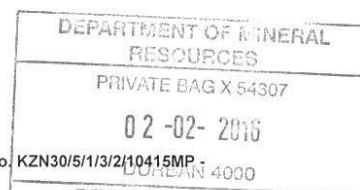
- 3.21. This EA does not purport to absolve the holder of the EA from its common law obligations towards the owner of the surface of land affected.
- 3.22. The holder of EA must ensure that rehabilitation of the disturbed areas caused by operation complies with the approved EMPr at all times.
- 3.23. 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.
- 3.24. The holder of the EA must note that in terms Section 43A of the National Environmental Management: Waste Act, 2008 (Act No.59 of 2008), residue deposits 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 temporarily or permanently deposit residue stockpiles or residue deposits on any area or site other than on the site indicated in the Environmental Management Programme.
- 3.25. 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.
- 3.26. An appeal under Section 43 (7) of the National Environmental Management Act (NEMA), Act 107 of 1998 (as amended) suspends an EA or exemption or any provisions of conditions attached hereto, or any directive unless the Minister directs otherwise.
- 3.27. 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.
- 3.28. 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.

Decision for the Granting of an Environmental Authorisation: Ref No. KZN30/5/1/3/2/10415MP

DEPARTMENT OF ENVIRONMENTAL AFFAIRS
PRIVATE BAG 165307
02-02-2013
JOHANNESBURG 2000
REGIONAL MANAGER



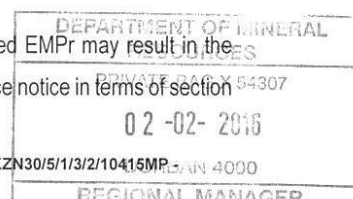
- 3.29. The waste storage site must have a firm, impermeable, chemical resistant floors and a roof to prevent direct sunlight and rain water from getting in contact with the waste.
- 3.30. The storage of hydrocarbons must have bund walls with adequate capacity to contain 110% of the maximum volume that 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.
- 3.31. 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 Permit 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.
- 3.32. This EA will only be effective in the event that a corresponding Permit is issued in terms of the MPRDA (as amended) and none of the activities listed in this EA may commence without the aforementioned Permit.
- 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 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, the responsibility rests with the holder of EA to bring it to the attention of the Department for resolution.





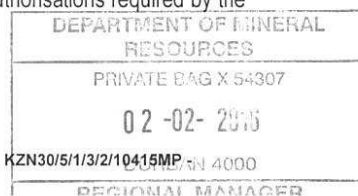
4. MANAGEMENT OF ACTIVITY (IES)

- 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, agents and any other people working on the site, and in the event of the need to update or amend the EMPr, these must be submitted to the Department for approval.
- 4.3. Regular monitoring and maintenance of storm water control facilities must be conducted at all times and if damaged, must be rectified as directed by the Department or any other relevant authority.
- 4.4. A buffer zone of 100 metres between the activity (ies) and any residential area, cemeteries or burial grounds must be clearly demarcated and maintained.
- 4.5. The holder of the EA must prevent nuisance conditions or health hazards, or the potential creation of any nuisance conditions or health hazards.
- 4.6. The holder of the EA must ensure that all non-recyclable wastes are disposed of at waste management facilities licenced to handle such wastes and also ensure that all recyclable wastes are collected by licenced waste management facilities for recycling, reuse or treatment.
- 4.7. The holder of the EA must ensure that all liquid wastes, whose disposal onto water or land have the potential to cause pollution are only diverted sewer after testing water quality and receiving written approval from the relevant local authority.
- 4.8. Non-compliance with any condition of this EA and associated 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.





- 4.9. Only listed activities that are expressly specified in this EA and the associated 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 this EA and the EMPr before such activities may be commenced with. This condition is also applicable in the case of an amendment, addition, substitution, correction, and removal or updating of any detail in the EA and EMPr.
- 4.10. Any rehabilitation of disturbed surfaces caused by the mining operation must comply with the approved EMPr.
- 4.11. 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) comply with the issued EA and approved EMPr.
- 4.12. The ECO must:
- 4.12.1. Keep and maintain a detailed incidents register (including any spillages of fuels, chemicals or any other material).
 - 4.12.2. 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.
 - 4.12.3. Keep records relating to monitoring and auditing on site and avail them for inspection to any relevant authorised officials.
 - 4.12.4. Keep copies of all environmental reports submitted to the Department.
 - 4.12.5. Keep the records of all permits, licences and authorisations required by the operation.

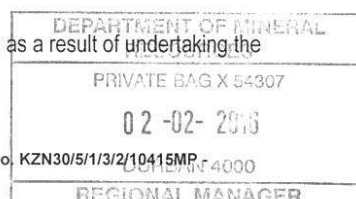




- 4.12.6. Compile a monthly monitoring report and make it available to the Department if requested.
- 4.13. The duties and responsibility of the ECO should not be seen as exempting the holder of the EA from the legal obligations in terms of the NEMA.
- 4.14. The footprint of the activity (ies) must be limited to the areas authorised for the actual construction works and operational activities. All areas outside of the footprint must be regarded as a "no go" areas.
- 4.15. Erosion and soil loss must be prevented by minimizing the size of the area exposed to surface water run-off. Where necessary erosion stabilizing measures such as gabions, earthen berms or re-vegetation must be implemented to prevent further environmental degradation.
- 4.16. The holder of the EA must ensure that all personnel who work with hazardous waste are trained to deal with any potentially hazardous situations so as to minimise the risk involved. Records of training and verification of competence must be kept by the holder EA.
- 4.17. In order to prevent nuisance conditions, the holder of the EA must ensure that all storage skips and bins are not overfilled and properly demarcated.

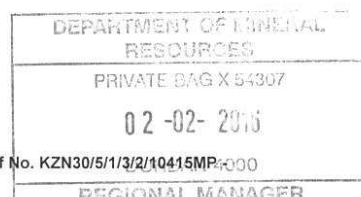
5 REPORTING TO THE DEPARTMENT

- 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, EMPr and closure plan were and 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 and 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 and closure plan;
 - 5.1.5. if applicable, specify whether the corrective action/s taken for the previous audit's non-conformities, were 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 recommendations to amend the EMPr and closure plan in order to rectify the identified in the aforementioned audit report.
- 5.3. All complaints received from I&AP's during any of the phases of the operation must be attended to as soon as reasonably possible and addressed to the satisfaction of all concerned. All complaints must be recorded and a report must be forwarded to the competent authority with all relevant details of the complaint, complainant and how the complaint was resolved within 30 days of receipt of the complaint.
- 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 Consumer Price Index (CPI) applicable at the time and address the shortfall in 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, has caused or may cause 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 in respect of measures taken to –

5.6.1. Correct the impact resulting from the incident;

5.6.2. Prevent the incident from causing any further impact; and

5.6.3. 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.

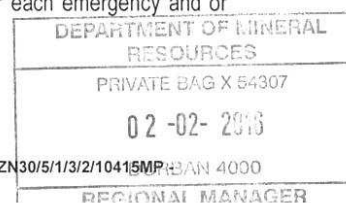
7. EMERGENCY PREPAREDNESS PLAN

7.1 The holder of the EA must maintain and implement an emergency preparedness plan and review it biennially when conducting the audit and after each emergency and or major accident. The plan must, amongst others, include:

7.1.1. Site Fires

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7.1.2. Spillages

7.1.3. Natural disasters such as floods

7.1.4. Industrial action

7.1.5. Contact details of police, ambulances and any emergency centres closest 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.

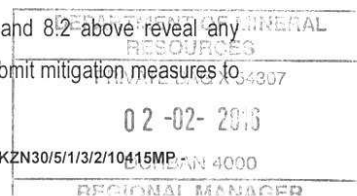
8. INVESTIGATIONS

8.1 If, in the opinion of the Competent Authority, nuisances or health risks may be or are 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. If applicable, 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

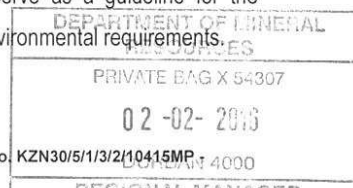
- 9.1 The commissioning and decommissioning of individual activity (ies) within the overall listed Mining activity must take place within the phases and timeframes as set out in the EA and EMPr.

10. SITE CLOSURE

- 10.1. The holder of EA must apply for a closure certificate in terms of Section 43 (3) of the Mineral and Petroleum Resources Development Act (Act 28 of 2002, as amended) within 180 days of the 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. Only indigenous plants can be utilized for rehabilitation purposes.
- 10.4. The holder of the 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 or latent, health or environmental impacts.

11. NEMA PRINCIPLES

- 11.1. The principles set out in Section 2 in Chapter 1 of the National Environmental Management Act, 1998 (Act No.107 of 1998) must be applied to this mining operation and any matter relating to this operation; and must serve as a guideline for the interpretation, administration and implementation of all environmental requirements.

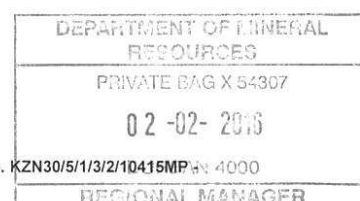




- 11.2. This mining operation must be conducted in accordance with generally accepted principles of sustainable development by integrating social, economic and environmental factors into the planning and implementation of this mining operation in order to ensure that the exploitation of mineral resources serves present and future generations.
- 11.3. The holder of this EA must at all times give effect to the general objectives of integrated environmental management as laid down in Chapter 5 of the National Environmental Management Act, 1998 (Act No. 107 of 1998) and must
- manage all environmental impacts as an integral part of the mining operation and must as far as it is reasonably practicable, rehabilitate the environment affected by the mining operations to its natural or predetermined state or to a land use which conforms to the generally accepted principle of sustainable development; and is responsible for any environmental damage, pollution or ecological degradation as a result of his or her mining operations and which may occur inside and outside the boundaries of the area to which the EA relates

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 BAR and management and mitigation measures proposed in the EMP and 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.

Yours Sincerely

A handwritten signature in black ink, appearing to be 'G. ...', is written over a horizontal line.

REGIONAL MANAGER: MINERAL REGULATION

KWAZULU NATAL REGIONAL OFFICE

DATE: 02/02/2016

