



LIMPOPO

PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
ECONOMIC DEVELOPMENT, ENVIRONMENT & TOURISM

Enq: Ngoasheng TR Tel: 015 290 7068 Fax: 015 295 5015 E-mail: NgoashengTR@ledet.gov.za Ref: 12/1/9/2 - C17

Lesego Platinum Mining (Pty) Ltd
Suite 201, Private Bag X30500
HOUGHTON
2041

Fax: 011 484 5005

Attention: Mr Richard Motjole

ENVIRONMENTAL AUTHORISATION FOR THE PROPOSED UNDERGROUND PLATINUM MINE ON THE FARMS KOPPIESKRAAL 475 KA, SPELONK 478 KS, OLIFANTSPOORT 479 KS, DAL JOSAPHAT 481 KS, EERSTE REGT 502 KS, ZAAIKLOOF 480 KS, STOFPOORT 481 KS AND GOVERNMENT GROUND 503 KS WITHIN BOTH FETAKGOMO LOCAL MUNICIPALITY OF SEKHUKHUNE DISTRICT AND LEPELLE-NKUMPI LOCAL MUNICIPALITY OF CAPRICORN DISTRICT IN LIMPOPO PROVINCE

1. The above matter refers.
2. Please note that the Department issued an Environmental Authorisation (EA) to Lesego Platinum Mining (Pty) Ltd (hereafter referred to as the "Applicant") on 13 October 2014.
3. However, the Applicant was not notified within two (2) days of the issuance of such an EA as required in terms of Regulation 10 of the Environmental Impact Assessment Regulations R. 543 of 2010 due to unforeseen administrative challenges.
4. In light of the above, kindly bring to the attention of all registered Interested and Affected Parties (I&APs) that the Applicant's notification to the I&APs about the above-mentioned EA will only commence on 22 October 2014.
5. All timeframes hereafter are affected by this date of notification to the Applicant.

Yours faithfully

Not **SENIOR MANAGER
ENVIRONMENTAL IMPACT MANAGEMENT**

DATE: 21/10/2014

Cc: AGES Gauteng (Pty) Ltd

Attention: Mr Michael Grobler

Fax: 086 607 2606



LIMPOPO

PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
ECONOMIC DEVELOPMENT, ENVIRONMENT & TOURISM

Enq: Ms M. C. Rodgers Tel: 015 290 7059 Fax: 015 295 5015 E-mail: rodgermc@ledet.gov.za Ref: 12/1/0/2 - C17

Lesego Platinum Mining (Pty) Ltd
Suite 201, Private Bag X30500
HOUGHTON
2041

For attention: Mr Richard Motjole

Fax: 011 484 5005

ENVIRONMENTAL AUTHORISATION FOR THE PROPOSED UNDERGROUND PLATINUM MINE ON THE FARMS KOPPIESKRAAL 475 KA, SPELONK 478 KS, OLIFANTSPOORT 479 KS, DAL JOSAPHAT 461 KS, EERSTE REGT 502 KS, ZAAIKLOOF 480 KS, STOFPOORT 481 KS AND GOVERNMENT GROUND 503 KS WITHIN BOTH FETAKGOMO LOCAL MUNICIPALITY OF SEKHUKHUNE DISTRICT AND LEPELLE-NKUMPI LOCAL MUNICIPALITY OF CAPRICORN DISTRICT IN LIMPOPO PROVINCE

With reference to the abovementioned application, please be advised that the Department has decided to grant authorisation. The environmental authorisation and reasons for the decision are attached herewith.

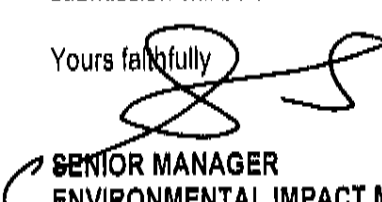
In terms of regulation 10(2) of the Environmental Impact Assessment Regulations of 2010, you are instructed to notify all registered interested and affected parties, in writing and within 12 (twelve) calendar days, of the date of the Department's decision in respect of your application as well as the provisions regarding the making of appeals that are provided for in the Regulations.

Should you wish to appeal any aspect of the decision, you must, *inter alia*, lodge a notice of intention to appeal with the MEC for Economic Development, Environment and Tourism, within 20 days of receiving this letter, by means of one of the following methods:

By facsimile: 015 295 5015
By post: P. O. Box 55484, POLOKWANE, 0700
By hand: Environmental Affairs Offices, Corner Suld and Dorp Streets, POLOKWANE, 0699

Should you decide to appeal, you must serve a copy of your notice on Intention to appeal on all registered interested and affected parties as well as a notice indicating where, and for what period, the appeal submission will be available for inspection.

Yours faithfully


SENIOR MANAGER
ENVIRONMENTAL IMPACT MANAGEMENT
DATE: 13/10/14

Cc: AGES Gauteng (Pty) Ltd

Attention: Mr Michael Grobler

Fax: 086 607 2606



LIMPOPO

PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
ECONOMIC DEVELOPMENT, ENVIRONMENT & TOURISM
ENVIRONMENTAL AUTHORISATION

Authorisation reference number: 12/1/9/2 – C17

Last amended: First issue

Holder of authorisation: Lesego Platinum Mining (Pty) Ltd

Location of activity: The proposed development application included the farms Koppieskraal 475 KS, Spelonk 478 KS, Olifantspoort 479 KS, Zaaikloof 480 KS and Stofpoort 481 KS in the Lepelle-Nkumpi Local Municipality of Capricorn District and Dal Josaphat 461 KS, Government Ground 502 KS and Eerste Regt 503 KS in the Fetakgomo Local Municipality of Sekhukhune District.

DECISION

ACRONYMS

1. **NEMA:** National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended.
2. **EIA:** Environmental Impact Assessment.
3. **Regulations:** EIA Regulations of 18 June 2010 in terms of Chapter 5 of NEMA.
4. **Department:** Department of Economic Development, Environment and Tourism.
5. **EA:** Environmental Authorisation.
6. **EMPr:** Environmental Management Programme

The Department is satisfied, on the basis of information available to it and subject to compliance with the conditions of this EA, that the applicant should be authorised to undertake the activity specified below.

Details regarding the basis on which the Department reached this decision are set out in Annexure 1.

ACTIVITIES AUTHORISED

By virtue of the powers conferred on it by the National Environmental Management Act, 1998 (Act No. 107 of 1998) and the Environmental Impact Assessment Regulations, 2010 the Department hereby authorises Lesego Platinum Mining (Pty) Ltd (herein referred to as holder of EA) with the following contact details –

Mr Richard Motjole
Isle of Houghton, Old Trafford No. 4
Cnr Boundary and Carse O'Gowrie Road
HOUGHTON
2041

Fax: 011 484 5004

Tel: 011 484 5005

to undertake the following activities:

Listed in the EIA Regulations R. 544 of 2010 as:-

Activity 9 – "The construction of facilities or infrastructure exceeding 1000 metres in length for the bulk transportation of water, sewage or storm water (i) with an internal diameter of 0,36 metres or more; or (ii) with a peak throughput of 129 litres per second or more; excluding where: a) such facilities or infrastructure are for bulk transportation of water, sewage or storm water or storm water drainage inside a road reserve; or b) where such construction will occur within urban areas but further than 32 metres from a watercourse, measured from the edge of the watercourse."

Activity 10 – "The construction of facilities or infrastructure for the transmission and distribution of electricity – (i) outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts; or (ii) inside urban areas or industrial complexes with a capacity of 275 kilovolts or more."

Activity 11 – "The construction of: (i) canals; (ii) channels; (iii) bridges; (iv) dams; (v) weirs; (vi) bulk storm water outlet structures; (vii) marinas; (viii) jetties exceeding 50 square metres in size; (ix) slipways exceeding 50 square metres in size; (x) buildings exceeding 50 square metres in size; or (xi) infrastructure or structures covering 50 square metres or more where such construction occurs within a watercourse or within 32 metres of a watercourse, excluding where such construction will occur behind the development setback line."

Activity 13 – "The construction of facilities or infrastructure for the storage, or for the storage and handling, of a dangerous good, where such storage occurs in containers with a combined capacity of 80 but not exceeding 500 cubic metres";

Activity 18 – "The infilling or depositing of any material of more than 5 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 5 cubic metres from: (i) a watercourse; (ii) the sea; (iii) the seashore; (iv) the littoral active zone, an estuary or a distance of 100 metres inland of the high-water mark of the sea or an estuary, whichever distance the greater – but excluding where such infilling, depositing, dredging, excavation, removal or moving; a) is for maintenance purposes undertaken in accordance with a management plan agreed to by the relevant environmental authority; or b) occurs behind the development setback line."

Activity 22 – "The construction of a road, outside urban areas, (i) with a reserve wider than 13.5 metres; (ii) where no reserve exists where the road is wider than 8 metres; or (iii) for which an environmental authorisation was obtained for the route determination in terms of activity 5 in Government Notice 387 of 2006 or activity 18 in Notice 545 of 2010."

Listed in the EIA Regulations R. 545 of 2010 as:-

Activity 15 – "Physical alteration of undeveloped, vacant or derelict land for residential, retail, commercial, recreational, industrial or institutional use where the total area to be transformed is 20 hectares or more."

Activity 19 – "The construction of a dam, where the highest part of the dam wall, as measured from the outside toe of the wall to the highest part of the wall, is 5 metres or higher or where the high-water mark of the dam covers an area of 10 hectares or more."

Listed in the EIA Regulations R, 546 of 2010 as:-

Activity 2 – "The construction of reservoirs for bulk water supply with a capacity of more than 250 cubic metres (a) In Limpopo: iii Outside urban areas, in (bb) Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority."

Activity 4 – "The construction of a road wider than 4 metres with a reserve less than 13.5 metres, (a) In Limpopo: ii Outside urban areas, in: (cc) Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority."

Activity 10 – "The construction of facilities or infrastructure for the storage, or storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of 30 but not exceeding 80 cubic metres, (a) In Limpopo: ii Outside urban areas, in: (cc) Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority."

Activity 14 – "The clearance of an area of 5 hectares or more of vegetation where 75% or more of the vegetative cover constitutes indigenous vegetation, except where such removal of vegetation is required for, (1) purposes of agriculture or afforestation inside areas identified in spatial instruments adopted by the competent authority for agriculture or afforestation purposes; (2) the undertaking of a process or activity in the list of waste management activities published in terms of section 19 of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) in which case the activity is regarded to be excluded from this list; (3) the undertaking of a linear activity falling below the thresholds in Notice 544 of 2010, (a) In Limpopo: i All areas outside urban areas."

Activity 16 – "The construction of: (iv) infrastructure covering 10 square metres or more where such construction occurs within a watercourse or within 32 metres of a watercourse, measured from the edge of a watercourse, excluding where such construction will occur behind the development setback line, (a) In Limpopo: ii In urban areas, in: (cc) Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority."

Activity 19 – "The widening of a road by more than 4 metres, or the lengthening of a road by more than 1 kilometre, (a) In Limpopo (ii) outside urban areas, in: (cc) sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority."

as described in the Environmental Impact Assessment Report (EIAR) as well as in the supplement to the EIAR received by the Department on 14 November 2013 and 02 July 2014 respectively, and is located at:

Alternative S1	Latitude	Longitude
Offices and workshop; Spelonk 478 KS	24° 23' 36.978" South	29° 43' 43.662" East
Processing facility; Spelonk 478 KS	24° 23' 28.511" South	29° 43' 39.811" East
Tailings disposal facility; Zaaikloof 480 KS	24° 23' 48.34" South	29° 42' 48.829" East
Waste rock dump; Olifantspoort 479 KS	24° 24' 25.268" South	29° 44' 21.016" East
Bridge crossing the Olifants River	24° 24' 25.268" South	29° 44' 21.016" East
Explosives store; Olifantspoort 479 KS	24° 23' 42.378" South	29° 43' 49.404" East
Fuel storage facility; Olifantspoort 479 KS	24° 23' 36.028" South	29° 43' 48.202" East
Water reservoir; Olifantspoort 479 KS	24° 23' 40.837" South	29° 44' 01.241" East

The proposed activity entails the transformation of approximately 300 hectares of land of the 73km² included in the application to establish the Lesego underground mine adjacent to the Olifants River, with associated mining infrastructure which will include the following:

- A TDF comprising of a valley dam with berms to create separate clean water and dirty water systems with final average overall side slope angle (upstream and downstream) of 1v:3h on 247 hectares of land;
- An HDPE lined pollution control dam (stormwater dam/return water dam) for the discharging of all polluted water from the TDF via a silt trap, allowing for the maximum return of water to the process plant and to limit discharge of contaminated water to the environment;
- A processing plant on 22ha with associated infrastructure, treating run of mine (ROM) ore crushed by the primary crusher processing approximately 150 – 200 ktpm from the Merensky reef and 100 ktpm from the UG2 reef, with primary and secondary stage mills as well as flotation sections to generate concentrate filtered to 11 – 15% moisture before transporting it by truck to a toll smelter; and
- Waste rock dump where waste rock will be placed mechanically by haul trucks and/or conveyor system as a side hill facility with side slope angles of 1v:3h.

Associated with the above-mentioned mining related infrastructure, are the following:

- Offices and workshops within the 26ha mine complex to support the mine and processing plant operating with electricity from ESKOM power lines addressed in a separate application;
- A bridge of approximately 100m long crossing the Olifants River connecting to the road to Apel;
- The construction of single lane access roads for traffic in both directions, each lane 3.6m wide with 1.4m yellow lane shoulder of 22.9km between the site and the R579 road with small bridge at existing low water bridge as northern access, exiting the site in a southern direction for 5km towards Apel, crossing the Olifants River and internal haul roads;
- The storage and handling of dangerous goods including an explosives store for bulk emulsion not exceeding 500m³, 3 x 82m³ diesel tanks, 2 x 2m³ batching tanks and 5 x 82m³ lube tanks;
- Sewage treatment facility/plant designed to treat 700m³ sludge per day;
- A turnkey package water treatment plant, treating raw water and treated water from the sewage plant in Stage 1 for processing plant and Stage 2 treatment methods ensuring SANS 241 Class 1 for potable water requirements; and
- A 332m³ water reservoir with complete fire suppression system.

The proposed activities will be located mainly on the farms Spelonk 478 KS and Olifantspoort 479 KS, the TDF on the farm Zaaikloof 480 KS within the Lepelle-Nkumpi Local Municipality of the Capricorn District.

The granting of this EA is subject to the conditions set out below and in Annexure 2 (Departmental standard conditions).

The Environmental Management Programme (EMPr) attached as part of the application for an EA is hereby approved and must be adhered to throughout the life cycle of the activity..

This activity must commence within a period of five (5) years from the date when the EA was issued. If commencement of the activity does not occur within that period, the EA lapses and a new application for EA must be made in order for the activity to be undertaken. Any request for extension of the validity period of the EA must be lodged with the Department at least 60 days before the expiry date of the EA.

EA CONDITIONS

1. A Waste Management Licence for the construction and operation of the waste disposal related actions must be obtained as required in terms of the National Environmental Management Act, 2008 (Act No. 59 of 2008), prior to the commencement of activities on site.
2. The management of the relocation of the identified burials and cemeteries (Sites BP04, BP05, BP06, BP07, BP08, BP10, BP11 and BP12) situated within the areas demarcated for development at Lesego Platinum, including undiscovered graves must be done according to requirements specified by the South African Heritage Resources Agency unless it can be avoided, while ensuring that all the graves, including the small cemeteries and graves (Sites BP01, BP02, BP03 and BP09) outside the proposed mine development area are not impacted by activities associated with the mine.
3. A Conservation Management Plan must be implemented to ensure the continuous protection of heritage sites, especially the Early Stone Age site SA03, preventing the development footprint from encroaching on heritage sites.
4. The storage of waste must adhere to applicable norms and standards included in Government Notice 926 of 29 November 2013, promulgated in terms of the National Environmental Management: Waste Act, 2008 (Act No. 58 of 2008).
5. The mine may not exceed the limit value specified for dust control promulgated in terms of section 32 of the National Environment Management: Air Quality Act, 2004 (Act No. 39 of 2004).
6. The Olifants River must have a buffer of at least 100m measured from the banks of the river, where development is excluded and access is controlled to allow for the recovery of the riparian system while providing undisturbed habitat for species such as crocodiles.
7. A detailed species rescue, relocation and re-introduction programme together with the relevant permits in terms of the Limpopo Environmental Management Act, 2003 (Act No. 7 of 2003) and the National Forests Act, 1998 (Act No. 84 of 1998) must be in place before any disturbance at the site occurs to ensure that it is done under suitable circumstances to prevent unnecessary mortalities of red data listed species such as *Adenia fruticosa* subsp. *fruticosa*, protected species such as *Aloe criptopoda*, *Boscia albitrunca*, *Boscia foetida*, *Combretum imberbe*, *Sclerocarya birrea*, *Spristachys africana* and *Stapelia gentile* and endemic species.

8. Lesego Platinum Mining (Pty) Ltd must contribute to the development of Strategic Environmental tools, programmes and projects within the Limpopo Province. This contribution could be in different forms e.g. financial, technical and provision of information as agreed upon with the Department.



/ SENIOR GENERAL MANAGER
ENVIRONMENT AND TOURISM

DATE: 13/10/2014

ANNEXURE 1: REASONS FOR THE DECISION

1. Background

The application from Lesego Platinum Mining (Pty) Ltd is for an EA for the following activities:

Listed in the EIA Regulations R. 544 of 2010 as:-

Activity 9 – "The construction of facilities or infrastructure exceeding 1000 metres in length for the bulk transportation of water, sewage or storm water (i) with an internal diameter of 0,36 metres or more; or (ii) with a peak throughput of 129 litres per second or more; excluding where: a) such facilities or infrastructure are for bulk transportation of water, sewage or storm water or storm water drainage inside a road reserve; or b) where such construction will occur within urban areas but further than 32 metres from a watercourse, measured from the edge of the watercourse."

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- A bridge of approximately 100m long crossing the Olifants River connecting to the road to Apel;
- The construction of single lane access roads for traffic in both directions, each lane 3.6m wide with 1.4m yellow lane shoulder of 22.9km between the site and the R579 road with small bridge at existing low water bridge as northern access, exiting the site in a southern direction for 5km towards Apel, crossing the Olifants River and internal haul roads;
- The storage and handling of dangerous goods including an explosives store for bulk emulsion not exceeding 500m³, 3 x 82m³ diesel tanks, 2 x 2m³ batching tanks and 5 x 82m³ lube tanks;
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- A turnkey package water treatment plant, treating raw water and treated water from the sewage plant in Stage 1 for processing plant and Stage 2 treatment methods ensuring SANS 241 Class 1 for potable water requirements; and
- A 332m³ water reservoir with complete fire suppression system.

The proposed activities will be located mainly on the farms Spelonk 478 KS and Olifantspoort 479 KS and the TDF on the farm Zaalkloof 480 KS within the Lepelle-Nkumpi Local Municipality of the Capricorn District.

The Lesego Platinum Mining (Pty) Ltd appointed Mr Michael Grobler of AGES Gauteng (Pty) Ltd in terms of Regulation 16 of the EIA Regulations of 2010 to undertake a Scoping and Environmental Impact Assessment Reporting process.

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 application form and the amended application form received by the Department on 10 April 2012 and 15 May 2013 respectively;
- b) The EIAR received by the Department on 31 October 2013, supplemented with additional information on 02 July 2014;
- c) The objectives and requirements of the applicable legislation, policies and guidelines including the EIA Regulations of 2010 as amended;
- d) Proof of Public Participation Process as contained in the EIAR attached as Appendix A to the EIAR;
- e) The specialist Ecological Report dated August 2013, compiled by Dr B. J. Henning of AGES (Pty) Ltd attached as Appendix G to the EIAR, supplemented with a report on the red data and protected flora dated April 2014, compiled by Dr B. J. Henning of Exigo included as Appendix 3 to the addendum of the EIAR;
- f) The Interim Comments in terms of section 38(8) of the National Heritage Resources Act, 1999 (Act No. 25 of 1999) dated 08 March 2013 by the South African Heritage Resources Agency (SAHRA) on the Archaeological Impact Assessment Report dated June 2013, compiled by N. Kruger of AGES (Pty) Ltd attached as Appendix H to the EIAR;
- g) The specialist Geohydrological and Water Supply Assessment Report dated May 2013, compiled by Andre van Coller and W. J. Meyer of AGES (Pty) Ltd, attached as Appendix I of the EIAR;
- h) The specialist Soil, Land Use and Land Capability and Agricultural Potential Assessment Report dated 08 December 2012 and supplemented in May 2013 to include the farm Government Ground 503 KS, compiled by Dr J. H. van der Waals of TerraSoll, attached as Appendix J to the EIAR;
- i) The specialist Noise Impact Study by Morné de Jager of M² Environmental Connections cc, attached as Appendix K to the EIAR;
- j) The specialist Air Quality Impact Assessment dated May 2013 compiled by H. Liebenberg-Enslin and N. Gresse of Airshed Planning Professionals (Pty) Ltd, attached to Appendix L to the EIAR;
- k) The revised specialist Social Impact Assessment dated May 2013 compiled by Ilse Aucamp and San-Marié Aucamp of Ptersa Environmental Management Consultants, attached as Appendix M to the EIAR;

- l) The specialist Visual Impact Assessment dated July 2012 compiled by FI Smit and Yalanda Martin of Newtown Landscape Architects, attached as Appendix N to the EIAR;
- m) The specialist Traffic Impact Assessment dated 17 April 2013 compiled by Cobus Havenga of Corll Havenga Transportation Engineers, attached as Appendix O to the EIAR;
- n) The specialist Health Impact Assessment dated January 2013 compiled by Nardus Potgieter of EnviroSim Consulting, attached as Appendix P to the EIAR;
- o) The specialist Stormwater Assessment dated February 2013 compiled by N. de Lange of AGES (Pty) Ltd, attached as Appendix Q to the EIAR;
- p) The specialist Wetland Assessment dated April 2013 compiled by S. van Staden and N. Bezuidenhout of Scientific Aquatic Services CC, attached as Appendix S to the EIAR;
- q) The specialist Aquatic Assessment dated April 2013 compiled by S. van Staden and L. Kruger of Scientific Aquatic Services CC, attached as Appendix T to the EIAR; and
- r) The findings of site inspection conducted on 04 June 2013 by Ms M. C. Rodgers and Mr V. Egan of this Department.

3. Key factors considered in making the decision

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

- a) Listed activities which were applied for, but which were indicated as not relevant in the addendum to the EIAR, are not considered in the EA;
- b) The site is situated in the Sekhukhune Land Centre of Plant Endemism, in the Sekhukhune Plains Bushveld vegetation type, which is classified as "Vulnerable";
- c) The site is situated within what is described as 'Zone E: Sekhukhune/Platinum Mining Focus Area', characterised by beautiful mountains, rare vegetation, rich cultural/historic heritage, very high platinum extraction opportunities within a presidential poverty node according to the Environmental Management Framework for the Olifants and Letaba Rivers Catchment Areas;
- d) The site is not within an identified national freshwater ecosystem priority area (NFEPA);
- e) The site is not situated within the national protected area expansion strategy focus areas;
- f) The mining activities are not limited to take place within the area designated as Ecological Support Area where it has been transformed by previous activities, and include areas identified as Critical Biodiversity Areas of both Category 1 and 2;
- g) The Public Participation Process (PPP) undertaken for the project satisfied the minimum requirements as prescribed in the EIA Regulations R. 543 of 2010 for public involvement; and

- h) The environmental impacts associated with the proposed activity will be addressed by the implementation of proposed mitigation measures outlined in the EIAR compiled by Mr Michael Grobler of AGES (Pty) Ltd.

4. Findings

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

- a) Water management measures, for example, must be addressed at a strategic level taking into consideration the demand on the resource due to the mining opportunities;
- b) Environmental issues were identified by a team of experts from a range of fields in an effort to provide the best scientific knowledge incorporated in the EMP with a supporting monitoring protocol compiled by the team members led by Michael Grobler of AGES (Pty) Ltd, to allow for sound decision-making;
- c) The site is situated in an environmentally sensitive area, despite existing degradation from past impacts, where mitigation alone remains inadequate and offsets need to be considered;
- d) The findings of site inspection conducted on 04 June 2013 by Ms M. C. Rodgers and Mr V. Egan of this Department are as follows:
 - Access was obtained from the Sekhukhune side crossing the Olifants River, hence the requirement for access towards the north addressed in the study;
 - A number of the red data listed *Adonia fruticosa* subsp. *fruticosa* were observed along the ridge where a pipeline towards the proposed TDF should avoid these plants;
 - Although no crocodiles were observed along this stretch of river, tendencies in migrations could result in the habitat being utilised if disturbance levels is acceptable; and
 - No recent cultivation was observed on lands cleared for that purpose.
- e) The PPP undertaken confirms that the applicant has satisfied the minimum requirements as prescribed in the Chapter 6 of the EIA Regulations R. 543 of 2010 for the involvement of interested and affected parties for the proposed development as follows:
 - A newspaper advertisement was placed in the "Daily Sun" newspaper on 17 October 2012;
 - Site notices were placed at the Mphahlele, Tau-Mankotsana and Baroka-Ba-Nkwana Tribal Authorities, the Gwara-Gwara School at Motokwana and the Bopedi Shopping Centre in Apol;
 - Notices were issued in both English and the local language to key stakeholders, including local mines in the area, traditional authorities, and local municipalities;
 - Public meetings were held on 24 October 2012, 12 October 2013 and 20 & 21 August 2013 and minutes are included in the reports;
 - Proof of consultation with the Departments of Water and Sanitation, Agriculture Forestry and Fisheries, Roads and Transport, Rural Development and Land Reform, and SAHRA is included in the PPP report;
 - A register for interested and affected parties included responses to comments submitted; and

- Comments and issues raised by interested and affected parties were adequately addressed.

In view of the above, the Department is satisfied that, subject to compliance with the conditions contained in the EA, the proposed activity will not conflict with the general objectives of integrated environmental management laid down in Chapter 5 of the National Environmental Management Act, 1998 and that any potentially detrimental environmental impacts resulting from the proposed activity can be mitigated to acceptable levels. The authorisation is accordingly granted.

ANNEXURE 2

DEPARTMENTAL STANDARD CONDITIONS

1. SCOPE OF AUTHORISATION

- 1.1 The holder of the EA shall be responsible for ensuring compliance with the conditions contained in this EA. This includes any person acting on the holder's behalf, including but not limited to, an agent, servant, contractor, sub-contractor, employee, consultant or person rendering a service to the holder of the EA.
- 1.2 Any changes to, or deviations from, the project description set out in this EA must be approved, in writing, by the Department before such changes or deviations may be effected. In assessing whether to grant such approval or not, the Department may request such information as it deems necessary to evaluate the significance and impacts of such changes or deviations and it may be necessary for the holder of the EA to apply for further authorisation in terms of the Regulations.
- 1.3 The activity, which is authorised, may only be carried out at the property indicated in the EA.
- 1.4 The holder of the EA will be held liable for any damages to the environment and associated costs, which results from any activity related to the construction and/or operation of the proposed project.
- 1.5 Where any of the holder of the EA's contact details change, including the name of the responsible person, the physical or postal address and/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 Department reserves the right to monitor and audit the development throughout its full life cycle.
- 1.7 This EA does not negate the holder of the EA's responsibility to comply with any other statutory requirements that may be applicable to the undertaking of the activity.

2. APPEAL OF AUTHORISATION

- 2.1. The holder of the EA must notify all registered interested and affected party, in writing and within 12 (twelve) calendar days, of receiving notice of the Department's decision.
- 2.2. The notification referred must –
 - 2.2.1 specify the date on which the EA was issued;
 - 2.2.2 inform all the interested and affected party of the appeal procedure provided for in Chapter 7 of the Regulations;

2.2.3 advise all the interested and affected party that a copy of the EA will be furnished on request; and

2.2.4 give the reasons for the decision.

3. COMMENCEMENT OF THE DEVELOPMENT

- 3.1 In order to ensure their safety, all employees must be given the necessary personal protective equipment.
- 3.2 This EA must be provided to the site operator and the requirements thereof must be made fully known to him/her.
- 3.3 Appropriate notification signs must be erected at the construction site, warning the public (residents, visitors etc) about the hazards around the construction site and presence of heavy vehicles and machinery.
- 3.4 Hauling routes for construction vehicles and machinery must be clearly marked and appropriate signalling must be posted to that effect. Further, movement of construction vehicles and machinery must be restricted to areas outside of the drainage line/wet area.
- 3.5 Construction must include appropriate design measures that allow surface and subsurface movement of water along drainage lines so as not to impede natural surface and subsurface flows. Drainage measures must promote the dissipation of stormwater run-off.
- 3.6 Vegetation clearing must be kept to an absolute minimum. Mitigation measures must be implemented to reduce the risk of erosion and the invasion of alien species.
- 3.7 The holder of the 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, 2003 (Act No. 7 of 2003) must not be cut, disturbed, damaged, destroyed, and their product must not be possessed, collected, removed, transported, exported, donated, purchased or sold unless permission is granted by the Department of Agriculture, Fisheries and Forestry.
- 3.8 All construction areas (e. g. material lay down area), topsoil and sub-soils must be protected from contamination or pollution and stockpiling must not take place in drainage lines or where it would impede surface water runoff.
- 3.9 If any soil contamination is noted during the construction and operational phase of the proposed activities, the contaminated soil must be removed to a suitable waste disposal facility and the site must be rehabilitated to the satisfaction of this Department and DWA. The opportunity for the on-site remediation and re-use of contaminated soil must be investigated prior to disposal and this Department must be informed in this regard.
- 3.10 Should infill material be required for any purpose, the use of borrow pits must comply with the provisions of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002) administered by the Department of Mineral Resources (DMR).

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Environmental Authorisation

- 3.11 An Integrated waste management approach must be implemented that is based on waste minimisation and must incorporate avoidance, reduction, recycling, re-use and disposal where appropriate. Uncontaminated builders' rubble generated during the construction can be re-used as back filling material on site. Ensure that no refuse or builders rubble generated on the premises is placed, dumped or deposited on adjacent properties or public places and open spaces during or after construction.
- 3.12 Section 28 of the NEMA places a duty of care on the holder of the EA to ensure that reasonable measures are taken to prevent pollution or degradation of the environment from occurring, continuing or recurring. Should any environmental damage result from this development or the operation thereof, the holder of the EA, must within 14 days of the damage being caused, rectify the situation at his/her own expense.
- 3.13 Movement of construction vehicles and machinery must be restricted to areas outside of the drainage lines/wet area.
- 3.14 Construction vehicles must be serviced and maintained in a manner whereby excessive smoke and noise production is reduced to acceptable levels, and to prevent oil leaks. Contaminated soil must be remediated on site or removed to an appropriately authorised landfill site.
- 3.15 Dust and nuisance must be minimised through damping down of unsurfaced areas.
- 3.16 Residents (if any) on the property and surrounding area must be informed if any unusually noisy activities are planned. Noise impacts must be reduced over distance at a rate of 1db (decibel) per 13 metres.
- 3.17 Chemical sanitation facilities or systems such as "toilets" that do not rely on seepage of liquids must be provided with a ratio of one for every 15 workers. These must be placed such that they prevent spills or leaks to the environment and must be maintained according to operating instructions and the contents thereof must be disposed of at an authorised waste water treatment works.
- 3.18 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 overflows onto soil to avoid contamination to underground water and environmental damage.
- 3.19 Construction activities must be suspended and a representative of the South African Heritage Resources Agency (SAHRA) and/ or Limpopo Heritage Resources Agency (LIHRA) be contacted immediately in the event of finding or uncovering any subterranean (middens, graves, etc.).
- 3.20 Care must be taken to ensure that the material and excavated soil required for backfilling are free of contamination from hydrocarbons.
- 3.21 The hydraulic fluids 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 the spillage together with the polluted solid and dispose it in an authorised disposal site permitted to dispose of such waste. The Regional

Office of the Department of Water Affairs must be notified within 24 hours of an incident that may pollute surface and ground water.

4. MANAGEMENT OF THE ACTIVITY

- 4.1 A copy of this EA must be kept at the property / on-site office where the activity (ies) will be undertaken. The EA must be produced to any authorised official of the Department who requests 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.
- 4.2 The contents of the EMPr and its objectives must be made known to all contractors, subcontractors, agents and other people working on the site, and any updates or amendments to the EMPr must be submitted to the Department for approval.
- 4.3 Regular monitoring and maintenance of storm water drainage facilities must be conducted at all times and repaired, if damaged, as directed by this Department or any other relevant authority.
- 4.4 The holder of the EA shall note that in terms of Section 19(1) of the National Water Act, 1998 (Act No. 36 of 1998), "An owner of the land, a person in control of land or a person who occupies or uses the land on which- (a) any activity or process is or was performed or undertaken; or (b) any other situation exists, which caused or is likely to cause pollution of a water source must take all reasonable measures to prevent any such pollution from occurring, continuing or recurring". Therefore any pollution incident(s) associated with the proposed project shall be reported to the relevant Regional Office of the Department of Water Affairs within 24 hours.

5. REPORTING TO THE DEPARTMENT

- 5.1 The holder of the EA must notify the Department, in writing and within 48 (forty eight) hours, if any condition of this EA cannot be or is not adhered to. Any notification in terms of this condition must be accompanied by reasons for the non-compliance. Non-compliance with a condition of this EA may result in criminal prosecution or other actions provided for in NEMA and the Regulations.
- 5.2 Fourteen (14) days written notice must be given to the Department that the activity's operational phase will commence. Commencement for the purposes of this condition includes site preparation.
- 5.3 Any complaints received from the registered interested and affected parties (I&APs) during the construction and operational phase of the activity must be attended to as soon as possible and addressed to the satisfaction of all concerned I&APs.
- 5.4 The holder of the authorisation must ensure that an up to date emergency register is kept during the construction and operation of the project. This register must be made available upon request by the Department.
- 5.5 The holder of the EA must notify the Department within thirty (30) days after the completion of the construction activities.

6. SITE CLOSURE AND DECOMMISSIONING

- 6.1 Should the activity ever cease or become redundant, the holder of EA shall undertake the required actions as prescribed by legislation at the time and comply with all relevant legal requirements administered by any relevant and competent authority at that time.

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PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF ECONOMIC DEVELOPMENT, ENVIRONMENT & TOURISM

Enq: Ngqasheng TR Tel: 015 280 7055 Fax: 015 286 5015 E-mail: NgqashengTR@ledet.gov.za Ref: 12/1/9/2 - 017

Lesego Platinum Mining (Pty) Ltd
Suite 201, Private Bag X30500
HOUGHTON
2041

Fax: 011 484 5005

Attention: Mr Richard Moljole

Environmental Impact Assessment
Section
Private Bag 2000, Polokwane
015 286 5015

ENVIRONMENTAL AUTHORISATION FOR THE PROPOSED UNDERGROUND PLATINUM MINE ON THE FARMS KOPPIESKRAAL 475 KA, SPELONK 478 KS, OLIFANTSPOORT 479 KS, DAL JOSEPHAT 481 KS, EERSTE REGT 502 KS, ZAAIKLOOF 480 KS, STOFFPOORT 481 KS AND GOVERNMENT GROUND 503 KS WITHIN BOTH FETAKGOMO LOCAL MUNICIPALITY OF SEKHUKHUNE DISTRICT AND LEPELLE-NKUMPI LOCAL MUNICIPALITY OF CAPRICORN DISTRICT IN LIMPOPO PROVINCE

1. The above matter refers.
2. Please note that the Department issued an Environmental Authorisation (EA) to Lesego Platinum Mining (Pty) Ltd (hereafter referred to as the "Applicant") on 13 October 2014.
3. However, the Applicant was not notified within two (2) days of the issuance of such an EA as required in terms of Regulation 10 of the Environmental Impact Assessment Regulations R. 543 of 2010 due to unforeseen administrative challenges.
4. In light of the above, kindly bring to the attention of all registered Interested and Affected Parties (I&APs) that the Applicant's notification to the I&APs about the above-mentioned EA will only commence on 22 October 2014.
5. All timeframes hereafter are affected by this date of notification to the Applicant.

Yours faithfully

**106 SENIOR MANAGER
ENVIRONMENTAL IMPACT MANAGEMENT**

DATE: 21/10/2014

Co: AGES Gauteng (Pty) Ltd

Attention: Mr Michael Grobler

Fax: 086 607 2606

Corner Build & Dora Street, Polokwane, 0800, Private Bag X 0484, Polokwane, 0700
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PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF ECONOMIC DEVELOPMENT, ENVIRONMENT & TOURISM

Enq: Ngqasheng TR Tel: 015 290 7055 Fax: 015 295 5015 E-mail: NgqashengTR@ledet.gov.za Ref: 12/10/2 - 017

Lesego Platinum Mining (Pty) Ltd
Suite 201, Private Bag X30800
HOUGHTON
2041

Fax: 011 484 5005

Attention: Mr Richard Moljole

ENVIRONMENTAL AUTHORISATION FOR THE PROPOSED UNDERGROUND PLATINUM MINE ON THE FARMS KOPPIESKRAAL 475 KA, SPELONK 476 KB, OLIFANTSPOORT 479 KB, DAL JOSEPHAT 481 KB, EERSTE REGT 502 KB, ZAAIKLOOF 480 KB, STOFFPOORT 481 KB AND GOVERNMENT GROUND 503 KB WITHIN BOTH FETAKGOMO LOCAL MUNICIPALITY OF SEKHUKHUNE DISTRICT AND LEPELLE-NKUMPI LOCAL MUNICIPALITY OF CAPRICORN DISTRICT IN LIMPOPO PROVINCE

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2. Please note that the Department issued an Environmental Authorisation (EA) to Lesego Platinum Mining (Pty) Ltd (hereafter referred to as the "Applicant") on 13 October 2014.
3. However, the Applicant was not notified within two (2) days of the issuance of such an EA as required in terms of Regulation 10 of the Environmental Impact Assessment Regulations R. 643 of 2010 due to unforeseen administrative challenges.
4. In light of the above, kindly bring to the attention of all registered Interested and Affected Parties (I&APs) that the Applicant's notification to the I&APs about the above-mentioned EA will only commence on 22 October 2014.
5. All timeframes hereafter are affected by this date of notification to the Applicant.

Yours faithfully

**106 SENIOR MANAGER
ENVIRONMENTAL IMPACT MANAGEMENT**

DATE: 21/10/2014

Co: AGES Gauteng (Pty) Ltd

Attention: Mr Michael Grobler

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