



# LIMPOPO

PROVINCIAL GOVERNMENT  
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF  
ECONOMIC DEVELOPMENT, ENVIRONMENT & TOURISM

Enquiries: Nelutshindwi R Tel: 015 290 7180 Fax: 015 295 5015 E-mail: [nelutshindwir@ledet.gov.za](mailto:nelutshindwir@ledet.gov.za) Ref: 12/1/9/1-W120

Mogalakwena Local Municipality  
P O Box 34  
**MOKOPANE**  
0600

Attention: Ms Nake Mbongi Patricia

Fax: 015 491 9655

**ENVIRONMENTAL AUTHORISATION FOR THE PROPOSED CONSTRUCTION OF BULK WATER SUPPLY PIPELINES FROM PRUISSEN TO PIET-SE-KOP ON PORTIONS 80 AND 140 OF THE FARM PIET POTGIETERSRUST TOWN AND TOWNLANDS 44 KS, PORTIONS 88, 89, 94, 95, 152, 168, 169, 170 AND 171 OF THE FARM OORLOGSFONTEIN 45 KS, PORTION 6 OF THE FARM VIER-EN-TWINTIG RIVIERE 49 KS, PORTION 2 AND REMAINDER OF THE FARM PRUISSEN 48 KS, AND REMAINDER OF THE FARM MACALASKOP 243 KR WITHIN MOGALAKWENA LOCAL MUNICIPALITY OF WATERBERG DISTRICT**

With reference to the above-mentioned 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 4(2) of the Environmental Impact Assessment Regulations of 2014, you are instructed to notify all registered interested and affected parties, in writing and within 14 (fourteen) calendar days, of the date of the Department's decision in respect of your application as well as the provisions regarding the lodgement of appeals as provided for in the National Appeals Regulations of 2014.

Should you wish to appeal any aspect of the decision, you must, inter alia, lodge an 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 55464, **POLOKWANE**, 0700  
By hand : Environmental Affairs Offices, Corner Suid and Dorp Streets, **POLOKWANE**, 0699

Should you decide to appeal, you must serve a copy of your appeal to 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,

  
DIRECTOR  
ENVIRONMENTAL IMPACT MANAGEMENT

DATE: 6/02/2017

Cc: Tekplan/Environmental CC

Attention: Ms Rioni Combrink

Fax: 086 218 3267

<p>DEPARTMENT OF ECONOMIC DEVELOPMENT, ENVIRONMENT AND TOURISM</p> <p>HEAD OFFICE ENVIRONMENTAL IMPACT MANAGEMENT</p> <p>06 -02- 2017</p> <p>P.O. BOX 55464 POLOKWANE, 0700 LIMPOPO PROVINCE</p>
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Corner Suid & Dorp Street, Polokwane, 0699, Private Bag X 9484, Polokwane, 0700  
(Switchboard) Tel: +2715 290 7000 Website: [www.ledet.gov.za](http://www.ledet.gov.za)

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# LIMPOPO

PROVINCIAL GOVERNMENT  
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF  
ECONOMIC DEVELOPMENT, ENVIRONMENT & TOURISM  
ENVIRONMENTAL AUTHORISATION

**Authorisation reference number:** 12/1/9/1-W120  
**Last amended:** First issue  
**Holder of authorisation:** Mogalakwena Local Municipality  
**Location of activity:**

The proposed development site is located on portions 80 and 140 of the farm Piet Potgietersrust Town and Townlands 44 KS; portions 88, 89, 94, 95, 152, 168, 169, 170 and 171 of the farm Oorlogfontein 45 KS; portion 6 of the farm Vier-en-Twintig Riviere 49 KS; portion 2 and remainder of the farm Pruissen 48 KS; and the remainder of the farm Macalaskop 243 KR within Mogalakwena Local Municipality of Waterberg District.

## DECISION

### ACRONYMS

1. **NEMA:** The National Environmental Management Act, 1998 (Act 107 of 1998), as amended.
2. **EIA:** Environmental Impact Assessment.
3. **Regulations:** EIA Regulations of 04 December 2014 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 NEMA and the EIA Regulations, 2014, the Department hereby authorises Mogalakwena Local Municipality (herein referred to as holder of EA) with the following contact details –

Ms Nake Mbongi Patricia  
P O Box 34  
**MOKOPANE**  
0600

Tel: 015 491 9604

<p><b>DEPARTMENT OF ECONOMIC DEVELOPMENT, ENVIRONMENT AND TOURISM</b></p> <p><b>HEAD OFFICE ENVIRONMENTAL IMPACT MANAGEMENT</b></p> <p><b>06 -02- 2017</b></p> <p><b>P.O. BOX 55464 POLOKWANE 02000 1 9655</b></p> <p><b>LIMPOPO PROVINCE</b></p>
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to undertake the following activities (hereafter referred to as the activities):

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

Activity 9 (i)(ii) - "The development of infrastructure exceeding 1000 metres in length for the bulk transportation of water or storm water with an internal diameter of 0,36 metres or more; or with a peak throughput of 120 litres per second or more; excluding where such infrastructure is for bulk transportation of water or storm water or storm water drainage inside a road reserve; or where such development will occur within an urban area"; and

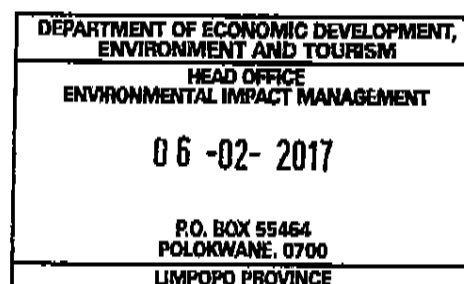
Activity 19(i) - "The infilling or depositing of any material of more than 5 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles, or rock of more than 5 cubic metres from a watercourse; but excluding where such infilling, depositing, dredging, excavation, removal or moving will occur behind a development setback; or is for maintenance purposes undertaken in accordance with a maintenance management plan; or falls within the ambit of activity 21 in this Notice, in which case that activity applies".

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

Activity 14(xii) - "The development of infrastructure or structures with a physical footprint of 10 square metres or more; where such development occurs in a watercourse, in Limpopo, outside urban areas, within critical biodiversity areas or ecosystem service areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans;

as described in the Basic Assessment Report (BAR) received by the Department on 06 December 2016, at:

Alternative S1	Point	Latitude	Longitude
Bulk raw water pipeline (1400 mm and 1100 mm in diameter) from the future balancing dam at Pruissen to the future water treatment works 1.  Portion 80 of the farm Piet Potgietersrust Town and Townlands 44 KS; portions 88, 89, 94, 95, 152, 168, 169, 170 and 171 of the farm Oorlogsfontein 45 KS; portion 6 of the farm Vier-en-Twintig Riviere 49 KS; portion 2 and the remainder of the farm Pruissen 48 KS	Starting Point	24° 11' 43.04" South	29° 2' 27.40" East
	Middle Point	24° 14' 16.27" South	29° 2' 11.99" East
	End Point	24° 17' 18.56" South	29° 4' 32.69" East



Department of Economic Development, Environment and Tourism  
Environmental Authorisation Reference Number: 12/1/9/1-W120

Alternative S1	Point	Latitude	Longitude
Bulk potable water pipeline (1100 mm in diameter) from water treatment works 1 to the Mokopane High reservoir.  Portion 80 of the farm Piet Potgietersrust Town and Townlands 44 KS	Starting point	24° 11' 43.04" South	29° 2' 27.06" East
	Middle point	24° 11' 49.52" South	29° 1' 42.39" East
	End point	24° 10' 57.14" South	29° 1' 46.09" East

Alternative S1	Latitude	Latitude	Longitude
Bulk raw water pipeline (1100 mm in diameter) branching off at the water treatment works 1 to Piet-se-kop area.  Remainder of the farm Macalacaskop 234 KR, portions 140 and 80 of the farm Piet Potgietersrust Town and Townlands 44 KS	Starting point	24° 11' 49.55" South	29° 1' 42.12" East
	Middle point	24° 9' 57.84" South	29° 1' 19.45" East
	End point	24° 7' 45.36" South	29° 0' 21.49" East

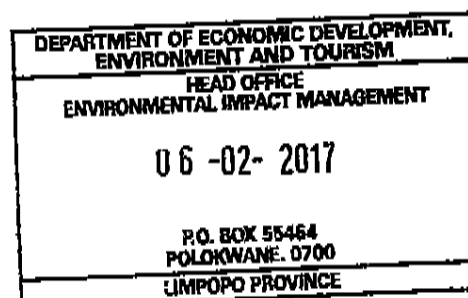
The activity entails the construction of pipelines as follows:

- A 15km bulk raw water pipeline with a diameter of 1400mm and 1100mm (from the future balancing dam at Pruissen to the future water treatment works 1);
- A 3km bulk potable water pipeline with a diameter of 1100mm from water treatment works 1 to the Mokopane High reservoir; and
- A 10km bulk raw water pipeline with a diameter of 1100 mm branching off at the water treatment works 1 to Piet-se-Kop area.

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

The EMPr attached as Appendix F to the BAR for the above development and submitted 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 ten (10) 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 three (3) months before the expiry date of the EA.



**EA CONDITIONS**

1. The A 15m Buffer Zone from the grave within the Ga-Mokopane Game Breeding Centre must be adhered to throughout the life cycle of the proposed development.



**DIRECTOR  
ENVIRONMENTAL IMPACT MANAGEMENT**

DATE: 6/02/2017

<b>DEPARTMENT OF ECONOMIC DEVELOPMENT, ENVIRONMENT AND TOURISM</b>
<b>HEAD OFFICE ENVIRONMENTAL IMPACT MANAGEMENT</b>
<b>06 -02- 2017</b>
<b>P.O. BOX 55464 POLOKWANE. 0700 LIMPOPO PROVINCE</b>

**ANNEXURE 1: REASONS FOR THE DECISION****1. Background**

The application from Mogalakwena Local Municipality is for an EA for an activity listed in the Regulations R. 983 and 985 of 2014 as:

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

Activity 9(i)(ii) - "The development of infrastructure exceeding 1000 metres in length for the bulk transportation of water or storm water with an internal diameter of 0,36 metres or more, or with a peak throughput of 120 litres per second or more; excluding where such infrastructure is for bulk transportation of water or storm water or storm water drainage inside a road reserve; or where such development will occur within an urban area"; and

Activity 19(i) - "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 a watercourse; but excluding where such infilling, depositing, dredging, excavation, removal or moving will occur behind a development setback; or is for maintenance purposes undertaken in accordance with a maintenance management plan; or falls within the ambit of activity 21 in in this Notice, in which case that activity applies".

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

Activity 14(xii) - "The development of infrastructure or structures with a physical footprint of 10 square metres or more; where such development occurs in a watercourse, in Limpopo, outside urban areas, within critical biodiversity areas or ecosystem service areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans".

The activity entails the construction of pipelines as follows:

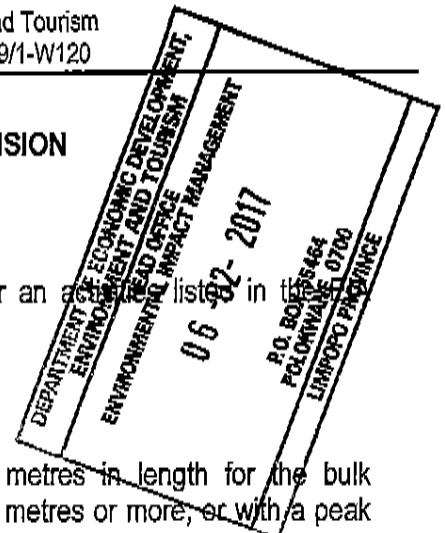
- A 15km bulk raw water pipeline with a diameter of 1400mm and 1100mm (from the future balancing dam at Pruissen to the future water treatment works 1);
- A 3km bulk potable water pipeline with a diameter of 1100mm from water treatment works 1 to the Mokopane High reservoir; and
- A 10km bulk raw water pipeline with a diameter of 1100 mm branching off at the water treatment works 1 to Piet-se-Kop area.

The Mogalakwena Local Municipality appointed Tekplan Environmental CC in terms of Regulation 12 of the EIA Regulations of 2014 to undertake the Basic Assessment 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 received by the Department on 07 September 2016;
- b) The information contained in the Basic Assessment Report received by the Department on 06 December 2016;



- c) The objectives and requirements of relevant legislation, policies and guidelines, including section 2 of the National Environmental Management Act and Regulations 41 of the EIA Regulations R. 982 of 2014;
- d) The findings of site inspection conducted on 22 September 2016 by Ms Mogashoa MS, Mr Nelutshindwi R and Mr Setshwane LL of this Department;
- e) The Ecological Report, dated July 2016, compiled by Dr GCO de Beer of Ysterberg Enviro Veld and Game Management Services CC, and attached to the BAR as Appendix D;
- f) The Archaeological Impact Assessment Report, dated July 2016, compiled by Mr Jaco van der Walt of Heritage Contracts Archaeological Consulting CC (HCAC), and attached to the BAR as Appendix D;
- g) The Mogalakwena Water Master Plan: Report: Stream crossings for the bulk water pipeline from Pruisen to Piet-se-Kop Reservoirs, dated October 2016, compiled by Dr Wynand Vlok of BioAssets Biological Assessments, and attached to the BAR as Appendix D; and
- h) Confirmation of solid waste disposal from Mogalakwena Local Municipality dated 21 October 2016.

### 3. Key factors considered in making the decision

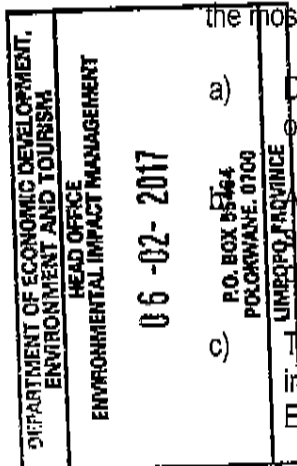
All information presented to the Department was taken into account in the Department's consideration of the application. A summary of the issues which, in the Department's view, were of the most significance is set out below.

- a) Details provided of the qualifications of the EAP indicate that the EAP is competent to carry out the Environmental Impact Assessment procedures;
- b) 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; and
- c) The environmental impacts associated with the proposed activity will be addressed by the implementation of proposed mitigation measures outlined in the BAR compiled by Tekplan Environmental CC.

### 4. Findings

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

- a) All environmental issues identified and commitments to sound environmental management which are incorporated in the EMPr compiled by Tekplan Environmental CC can be used to avoid potential negative impacts.
- b) The potential impacts on the proposed site were clearly investigated and mitigation measures outlined.



c) A sufficient Public Participation Process (PPP) was undertaken and the applicant has satisfied the minimum requirements as prescribed in the Chapter 6 of the EIA Regulations R.982 of 2014 for public involvement:

- A newspaper advertisement was placed in the local newspaper "Beeld" on 13 May 2016;
- Site notices were placed in areas along the project route;
- Notices were sent to all key stakeholders and the registered interested and affected parties;
- No objections were received from the interested and affected parties; and
- All comments raised by the registered interested and affected parties were adequately addressed.

d) Findings of the site visit conducted by Ms Mogashoa MS, Mr Nelutshindwi R and Mr Setshwane LL of this Department on 22 September 2016 are as follows:

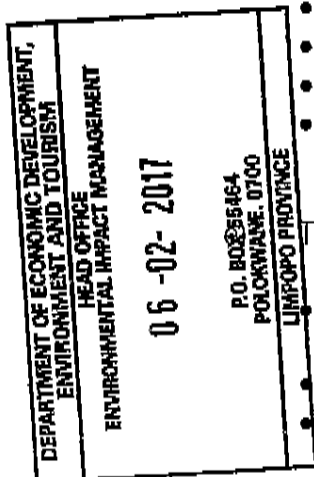
- The surrounding land uses are vacant land, game farms, provincial and national roads, railway line, landfill site and power lines;
- Topography of the proposed development site ranges from flat areas and hill areas;
- A stream was observed within the proposed development area;
- Vegetation coverage include grasses, shrubs, terrestrial trees and riparian plants; and
- Terrestrial animals (Impala) and birds were observed within the proposed development site.

The Ecological Report recommends that:

- Mitigation and rehabilitation measures should be undertaken especially where route crosses rivers and drainage lines;
- Sparsely distributed trees or clumps of trees should be left intact; and
- Total clearance of the route of 40m is not always necessary as the operation can go ahead even with few trees in the area.

f) The Archaeological Impact Assessment Report indicates that:

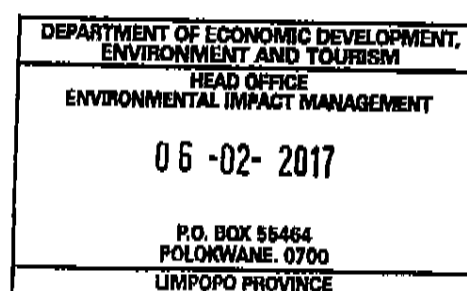
- One archaeological site consisting of a scatter of ceramics dating to the Eiland *facies* (AD 1000-1300) was recorded during the walkthrough for the project. No archaeological features (huts, middens, etc) were recorded on the site and archaeological material was restricted to a low density scatter of ceramics, a broken lower grinder and upper grinder. A single decorated piece that could represent another ceramic *facies* known as Madikwe dating to AD 1500-1700 was noted that could indicate a multicomponent site. Due to the lack of visible surface nature where archaeological mitigation could be focussed, no preconstruction archaeological mitigation is recommended for the project. However as site extent is unknown due to the subsurface nature of archaeological site, it is recommended that the area around this site be monitored during construction and the site must be visited by an archaeologist after bush clearing during the construction phase;





- During construction of the adjacent pipeline from Mokopane High Reservoir to Percy Fyfe Y- Junction, an unmarked grave was uncovered. The grave was retained in situ and marked permanently and is located in the Ga-Mokopane Game Breeding Centre. It is recommended that this area should be avoided by contractors during construction of the pipeline with a buffer zone of 15 metres; and
  - Therefore, if during construction any possible finds such as stone tools scatters, artefacts or bone and fossil remains are made, the operations must be stopped and a qualified archaeologist must be contacted for an assessment of the find and therefore a chance find procedure should be implemented as part of the EMPr.
- g) The Mogalakwena Water Master Plan: Report: Stream crossings for the bulk water pipeline from Pruisen to Piet-se-Kop Reservoirs has recommended that:
- At the stream crossing 1, the corridors to be cleared must be as narrow as possible, only wide enough for the insertion of the pipes;
  - The rehabilitation must include a low water drift to ensure that no erosion will occur in future;
  - The low water structure must be at the level of the landscape to ensure no velocity increase will occur downstream of the pipeline, as this will lead to erosion. This structure will protect the pipeline from flow and vehicle damage in future;
  - Standard procedures must be followed, i.e. stabilisation of the river banks, rehabilitation during and after construction and the use of silt traps during the construction;
  - At the stream crossing 2, flow dissipaters must be installed downstream of the pipeline and on the stream banks to lower the risk of erosion in the future;
  - At the stream crossing 3, the steep banks are sensitive to erosion and collapse, therefore it is recommended that the pipeline crosses over a bridge and the banks around the crossing point must be stabilised to ensure no erosion or collapse of the banks occur;
  - The pipeline must be placed adjacent to the current power line corridor and the power line corridor must be used as access during construction to lower the need to clear a large number of trees from the riparian zone; and
  - The constructor must appoint an independent Ecological Officer to ensure that the EMPr and the rehabilitation plans are effectively implemented.

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



Department of Economic Development, Environment and Tourism  
Environmental Authorisation

**DEPARTMENT OF ECONOMIC DEVELOPMENT,  
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ENVIRONMENTAL IMPACT MANAGEMENT**

**06 -02- 2017**

**P.O. BOX 55464  
POLOKWANE. 0700**

**LIMPOPO PROVINCE**

## **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 further request additional 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 in writing 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 14 (fourteen) 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 the National Appeals Regulations, 2014;

Department of Economic Development, Environment and Tourism  
Environmental Authorisation

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- 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 Forests 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, Forestry and Fisheries.
- 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 Department of Water and Sanitation (DWS). 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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LEDET Departmental standard conditions

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<b>HEAD OFFICE ENVIRONMENTAL IMPACT MANAGEMENT</b>
<b>06 -02- 2017</b> <sup>2</sup>
<b>P.O. BOX 55464 POLOKWANE, 0700 LIMPOPO PROVINCE</b>

Department of Economic Development, Environment and Tourism  
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 material.

LEDET Departmental standard conditions

DEPARTMENT OF ECONOMIC DEVELOPMENT, ENVIRONMENT AND TOURISM HEAD OFFICE ENVIRONMENTAL IMPACT MANAGEMENT
<b>06 -02- 2017</b>
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Department of Economic Development, Environment and Tourism  
Environmental Authorisation

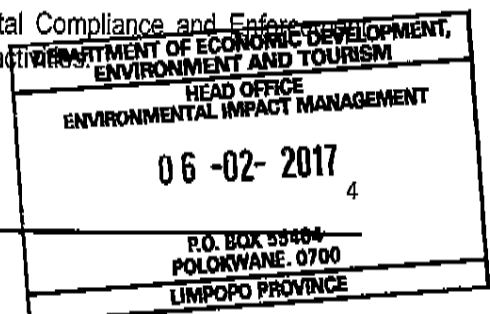
Office of the DWS must be notified within 24 hours of an incident that may pollute surface and ground water.

#### 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 DWS 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 Director: Environmental Compliance and Enforcement 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 Director: Environmental Compliance and Enforcement within thirty (30) days after the completion of the construction activities.



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**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.

