



LIMPOPO

PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
ECONOMIC DEVELOPMENT, ENVIRONMENT & TOURISM

Enq: Ngoasheng TR Tel: 082 041 3223 E-mail: NgoashengTR@ledet.gov.za Ref: 12/1/9/2-W89

Mogalakwena Mine Solar Power (Pty) Ltd
P.O Box 62179
MARSHALLTOWN
2107

Att: Mr Prakashim Moodliar

E-mail: Platinum.Environmental@angloamerican.com

ENVIRONMENTAL AUTHORISATION FOR THE PROPOSED PHOTOVOLTAIC ENERGY FACILITY FOR ANGLOAMERICAN PLATINUM MINE ON THE REMAINDER OF PORTION 3 OF THE FARM ARMOEDE 823 LR WITHIN MOGALAKWENA LOCAL MUNICIPALITY OF WATERBERG DISTRICT

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 4(2) of the Environmental Impact Assessment Regulations of 2014 as amended, you are instructed to notify all registered interested and affected parties, in writing 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 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 post : P O Box 55464, **POLOKWANE**, 0700

By hand : Evridiki Towers, 20 Hans van Rensburg Street, **POLOKWANE**, 0699

Should you decide to appeal, you must serve a copy of your appeal on all registered interested and affected parties and any organ of state interested in this matter.

Yours faithfully

**DIRECTOR
ENVIRONMENTAL IMPACT MANAGEMENT**

DATE: 9/12/2021

Cc: Zutari (Pty) Ltd

Att: Mr R Heydenrych

E-mail: Reuben.heydenrych@zutari.com



HEAD OFFICE

20 Hans Van Rensburg Street / 19 Biccard Street, Polokwane, 0700, Private Bag X 9484, Polokwane, 0700
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LIMPOPO

PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
ECONOMIC DEVELOPMENT, ENVIRONMENT & TOURISM
ENVIRONMENTAL AUTHORISATION

PROJECT DESCRIPTION: PROPOSED PHOTOVOLTAIC ENERGY FACILITY FOR ANGLOAMERICAN PLATINUM MINE ON THE REMAINDER OF PORTION 3 OF THE FARM ARMOEDE 823 LR WITHIN MOGALAKWENA LOCAL MUNICIPALITY OF WATERBERG DISTRICT

Environmental Impact Assessment Process: Scoping and Environmental Impact Reporting

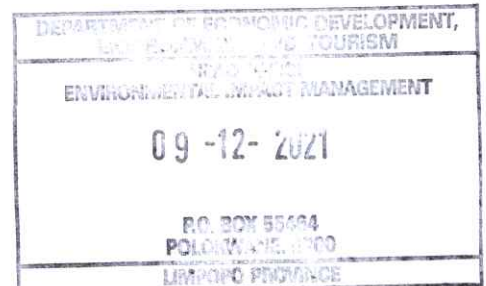
Authorisation Reference Number	12/1/9/2-W89
NEAS Number	LIM/EIA/0001184/2020
Last Amended	First issue

Holder of Authorisation: Mogalakwena Mine Solar Power (Pty) Ltd
Address:

P.O Box 62179
MARSHALLTOWN
2107

For attention: Mr Prakashim Moodliar
Tel/Cell Number: 011 373 6292

Email: Platinum.Environmental@angloamerican.com



LOCATION OF ACTIVITY:

Location Area Description	Location	District Municipality	Local Municipality
Mokopane, Ga-Sekhaolelo area	Remainder of Portion 3 of the farm Armoede 823 LR	Waterberg	Mogalakwena

GPS Coordinates

The Department authorises Block B (Preferred site) located at the following points:

Point	Coordinates submitted by EAP and confirmed by the Department	
	South	East
1 (Centre point)	23° 59' 2.70"	28° 57' 57.07"
2	23° 57' 54.09"	28° 56' 55.33"
3	23° 57' 20.88"	29° 57' 28.24"
4	23° 58' 25.03"	29° 57' 10.47"

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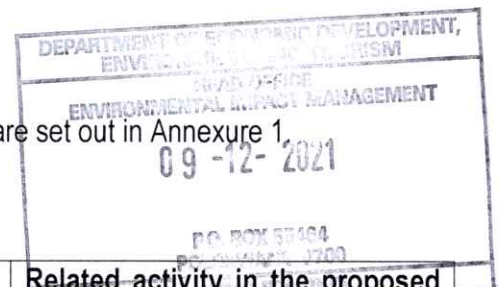
The heartland of southern Africa - development is about people!

Point	Coordinates submitted by EAP and confirmed by the Department	
Southern Portion	South	East
1 (Centre point)	23° 59' 36.97"	28° 57' 39.11"
2	23° 00' 02.36"	28° 57' 48.14"
3	23° 59' 39.74"	29° 58' 20.68"

ACRONYMS

NEMA	The National Environmental Management Act, 1998 (Act 107 of 1998), as amended.
Regulations	EIA Regulations of 8 December 2014, as amended, in terms of Chapter 5 of NEMA.
EIA	Environmental Impact Assessment.
Department	Department of Economic Development, Environment and Tourism.
EA	Environmental Authorisation.
EMPr	Environmental Management Programme.

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



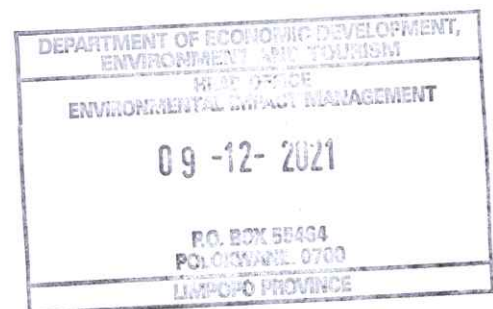
ACTIVITIES AUTHORISED

Notice and description	Activity Number and description	Related activity in the proposed development/expansion
Notice 1: R. 983 of 2014	Activity 11(i) – “The development 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”.	Transmission lines will be required for distribution of electricity with a capacity of up to 132kV.
	Activity 12(ii) – “The development of (ii) infrastructure or structures with a physical footprint of 100 square metres or more;	Infrastructure to cross the stream on site will be required.
	Activity 19 – “The infilling or depositing of any material of more than 10 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 10 cubic metres from a watercourse”	Infilling of drainage lines will be required as part of stormwater management plan.
	Activity 24 – “The development of a road- (ii) with a reserve wider than 13,5 meters, or where no reserve exists where the road is wider than 8 metres”.	Associated with the development are internal roads.
Notice 2: R. 984 of 2014	Activity 1(a) – “The development of facilities or infrastructure for the generation of electricity from a renewable resource where the electricity output is 20 megawatts or	There PV facility will be located outside an urban area and would have a generation capacity of up to 120MW.

	more, excluding where such development of facilities or infrastructure is for photovoltaic installations and occurs — (a) within an urban area;”	
	Activity 15 – “The clearance of an area of 20 hectares or more of indigenous vegetation	The site extends over 766ha (273 ha to be utilised).
Notice 2: R. 985 of 2014	Activity 4 – “The development of a road wider than 4 metres with a reserve less than 13,5 metres. (e) In Limpopo: (ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans; (gg) Areas within 10 kilometres from national parks or world heritage sites or 5 kilometres from any other protected area identified in terms of NEMPAA”	Internal gravel roads will be constructed to facilitate servicing and maintenance of the site. These gravel roads will be wider than 4 m. The site falls within portions of Critical Biodiversity Areas (CBAs) and Ecological Support Areas (ESAs). The Witvinger Nature Reserve is situated approximately 3.4km south east of the preferred site.
	Activity 12 – “The clearance of an area of 300 square metres or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan. e Limpopo ii Within critical biodiversity areas identified in bioregional plans”	The on-site substation will occupy an area of 1 hectare (10 000m ²).

Associated activities

- Solar farm;
- Internal access roads;
- Buildings including control and guard houses;
- Weather station;
- Perimeter fencing;
- Transmission lines; and
- Substation.

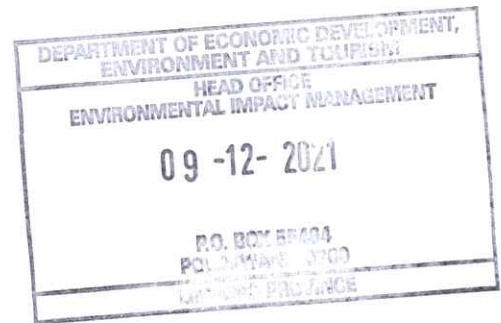


CONDITIONS

1. LEDET Departmental standard conditions attached as Annexure 2.
2. The EMPr attached as part of reports for the above development submitted as part of the application for an EA is hereby approved and must be adhered to throughout the life cycle of the activity.

3. An approval from South African Road Agency Limited SOC (SANRAL) must be obtained prior to the construction of the required access road from N11.
4. The area, to the south-western side of the site, identified as Critical Biodiversity Areas (CBAs) must be excluded from the development.
5. A stormwater management system must be implemented throughout the lifecycle of the development in order to prevent further erosion on the site.
6. The graves, wetland areas and dam identified on site must be excluded from the development and buffers determined by appropriately qualified professionals must be provided for.
7. Access must be provided to residents to allow for grazing and livestock watering.
8. 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 60 days before the expiry date of the EA.


CHIEF DIRECTOR
ENVIRONMENTAL TRADE AND PROTECTION
DATE: 09/12/2021



ANNEXURE 1: REASONS FOR THE DECISION

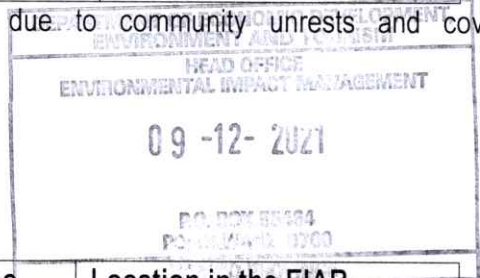
1. Environmental Assessment Practitioner

Name: Mr R Heydenrych
E-mail: Reuben.heydenrych@zutari.com
Telephone 012 427 200
Company (where applicable): Zutari (Pty) Ltd

2. Dates of receipt of information

Document	Application Form	Scoping Report for:	EIA Report for:
Date of receipt	2 Nov 2020	Consultation - 16 Nov 2020 Decision – 15 Jun 2021*	Consultation - 29 Jun 2021 Decision - 21 Sept 2021*
Date of receipt acknowledgement	11 Nov 2020	Consultation - 16 Nov 2020 Decision - 25 Feb 2021	Consultation – 2 Jul 2021 Decision – 30 Sept 2021
Date of Acceptance		12 Apr 2021	

*Timeframe extension requests were made and granted due to community unrests and covid restrictions.

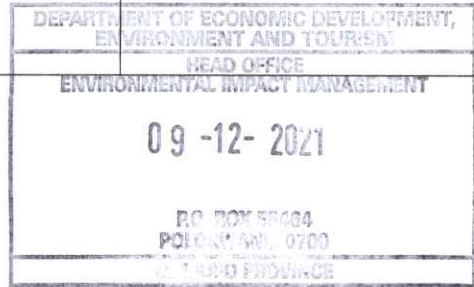


Date of Site visit: 08 October 2021

3. List of specialist reports and other information:

Report description	Person (and Company) who compiled the report and Date	Location in the EIAR
Environmental Screening Report	November 2021	Appendix H
Terrestrial Biodiversity Assessment	SL Daniels of Scientific Terrestrial Services June 2021	Appendix E, Annexure 1
Freshwater Ecosystem And Aquatic Ecological Assessment	N Lushozi of Scientific Terrestrial Services June 2021	Appendix E, Annexure 2
Terrestrial Biodiversity Assessment - Avifauna	D van der Merwe of Scientific Terrestrial Services June 2021	Appendix E, Annexure 3
Landscape and Visual Impact Assessment	Elmie Weideman of Create Landscape Architecture And Consulting, June 2021	Appendix E, Annexure 4

Heritage and Paleontological Impact Assessment	Polke Birkholtz of PGS Heritage, June 2021	Appendix E, Annexure 5 (a & b)
Environmental Noise Report	JR Hassall of JH Consulting, June 2021	Appendix E, Annexure 6
Social Impact Assessment	Ms San-Marié Aucamp of Equispectives Research & Consulting Services, September 2021	Appendix E, Annexure 7
Traffic Impact Assessment	Carole Mtizi of Zutari (Pty) Ltd, June 2021	Appendix E, Annexure 8
Site Sensitivity Verification And Agricultural Compliance Statement	Johann Lanz, June 2021	Appendix E, Annexure 9
Licence to Authorise Actions and Activities Affecting Protected Trees	Department of Agriculture, Forestry and Fisheries, June 2021	Annexure 2G
Hereford Canal Irrigation Water Rights	Hereford Besproeindsraad, June 2019	Annexure 2H



4. Key factors considered in making the decision

4.1. Public Participation

Names and dates of newspapers:

Newspaper Name	Polokwane Observer	Bosveld
Scoping stage	5-11 November 2020	5-11 November 2020
EIAR stage	24-30 June 2021	24-30 June 2021

Details of Public meetings:

Stakeholder	Venue	Date	Time
Mapela Traditional Council & 36 Village Representatives	Oasis Conference Centre, Mokopane	7 December 2020	14:00
Interfaith Groups	Oasis Conference Centre, Mokopane	10 December 2020	11:50
Mapela Task Team Executive	Oasis Conference Centre, Mokopane	10 December 2020	9:00
Armoede Traditional Council	Oasis Conference Centre, Mokopane	9 December 2020	11:00

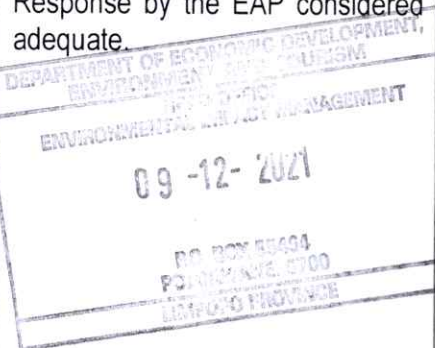
Mapela Traditional Council	Mošhate, Mapela Stand No. 1 Royal Kraal: Mapela Village	02 August 2021	10:00
Resettlement Committee	Oasis Conference Centre, Mokopane	8 December 2020	09:00
Community Based Structure and Vulnerable Groups	Oasis Conference Centre Mokopane	8 December 2020	12:00
Mapela Local Authority	Kgoro Moshate/ Mapela	7 December 2020	15:30
Action Aid, Bohwa Communal Property Trust, MACUA and SANCO	Oasis Conference Centre, Mokopane	7 December 2020	09:00

Site Notices were placed on the following places:

- Various sites within the community.

Notification of interested and affected parties about the development: Through emails; courier; newspaper advertisement; public meetings and site notices.

Issues raised and responses from the EAP and Department:

Issue	Comment by EAP	Comment by the Department
Smuts Manaka: I am proposing Groenfontien farm for this project to reduce community dissatisfaction. regarding employment because if you put this next to any village you are likely to have disruptions, but at Groenfontien site everyone will benefit for employment and also you are not going to temper with any grazing land domestic animals.	We take note of your comment/proposal to use Groenfontein Farm: The final preferred site will depend on a number of factors, including technical site suitability, distance from the mine, the environmental and social constraints found during the EIA specialist studies, etc.	Response by the EAP considered adequate. 
Mme Madiba: Will community grave sites be considered when resettlement happens? There are cases whereby the family was not even aware that their graves were being relocated?	The EIA team is aware of one grave that may be affected by development on Armoede. In the next phase of the EIA, relevant team members will need to consult with community members to determine whether there are any further graves. If further graves are identified, it will need to be agreed with the affected families how the grave relocation are done, f there are graves that need to be relocated.	The identified grave will not be relocated and access, by the next-of-kin of the deceased, to the grave (which will be cordoned off during construction) will not be limited.
His excellency HRH Prince MJ Malebana on behalf of Armoede	We are aware of a dispute regarding traditional leadership of	The responses are considered adequate.



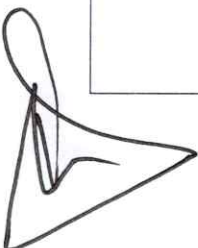
community hereby instructed that we write this letter on behalf of the community to express our dissatisfaction about the mine and the way it conducts its business especially at Armoede village. We are concerned about the lawlessness that's taking place in our community. Starting projects on a community without proper consultation shows disregard for the community, lawlessness and disrespect. We have attached documents stating reasons for rejection of the project.

Ga-Sekhaolelo. The AAP team sought clarification from the Department of Co-operative Governance, Human Settlement and Traditional Affairs (COGHSTA) and accordingly has communicated with the leadership structure that has official recognition. We are aware that the leadership dispute is subject to legal challenge. Neither Anglo American Platinum (AAP) nor Zutari can judge the merits of the leadership dispute. It needs to be resolved through the appropriate channels.

Prior to the start of the environmental impact assessment (EIA) process, the pre-feasibility screening investigations you refer to needed to confirm whether the proposed sites are indeed technically feasible. Only those sites that are technically feasible can be considered in an EIA process.

Anglo American Platinum (AAP) engaged with the Armoede Community for permission to access the site and the community provided a representative to accompany the Zutari team that went to the site.

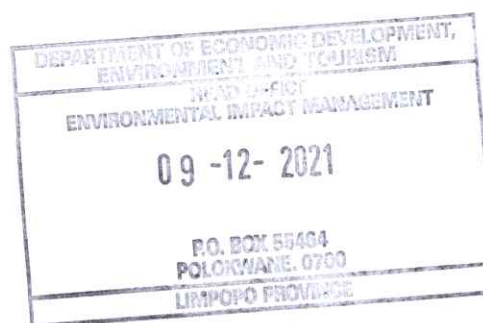
The legal landowners of the various sites considered (both preferred and alternative), were determined using deed searches. The land (the Remaining Extent of the farm Armoede) in question earmarked for the Project will be transferred to the Ga-Sekhaolelo Community Development Trust in terms of the Relocation Agreement between AAP and the Ga-Sekhaolelo community.



4.2. Findings

Activity/Report	Finding
Terrestrial Biodiversity Assessment	No threatened ecosystem or CBA habitat will be directly impacted by the proposed development.
Freshwater Ecosystem and Aquatic Ecological Assessment	Provided that site-specific mitigation measures, including undertaking the construction activities in the dry season when no surface water is present and realigning the small portion of the proposed solar PV footprint areas to avoid the seep wetland, are implemented during all phases of the project, the risk significance can be considered a 'Low'.
Terrestrial Biodiversity Assessment - Avifauna	From an avifaunal ecological perspective, the proposed components of the proposed development can be considered acceptable.
Landscape and Visual Impact Assessment	Assessment of the nature of the development and the sensitivity of the existing landscape and visual environment indicates that the impact can be regarded as minor – negligible.
Heritage and Paleontological Impact Assessment	On the condition that the recommendations made in this report are adhered to, no heritage reasons can be given for the development not to continue.
Environmental Noise Report	The investigation shows that the construction of the proposed plant will have a moderate impact on the daytime noise climate of the surrounding environment.
Social Impact Assessment	The impacts associated directly with the construction and operation of a PV plant are not major.
Traffic Impact Assessment	Provided that the recommended Access roads and other recommendations are adhered to, the proposed application can be supported from a traffic engineering perspective.
Site Sensitivity Verification and Agricultural Compliance Statement	From an agricultural impact point of view, the report recommended that the development be approved.

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 NEMA 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

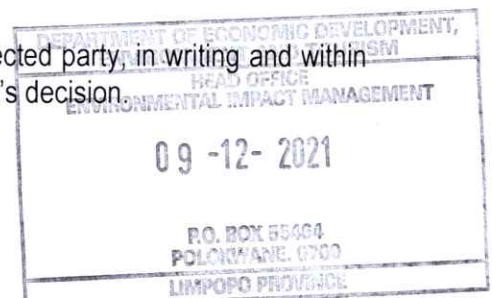
LEDET DEPARTMENTAL STANDARD CONDITIONS

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 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 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.

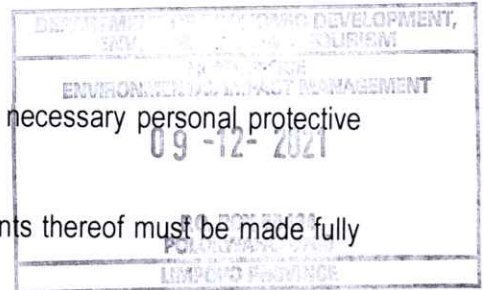


3. APPEAL PROCEDURE

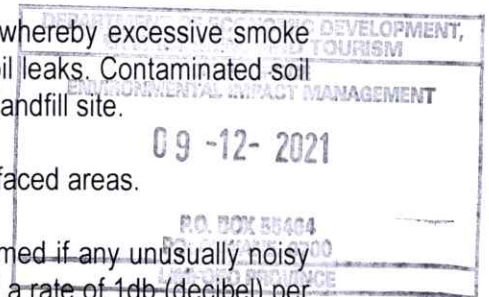
- 3.1 An appellant (if the holder of the decision) must, within 20 (twenty) calendar days from the date the notification of the decision was sent to the holder by the Competent Authority;
- 3.2 An appellant (if NOT the holder of the decision) must, within 20 (twenty) calendar days from the date the holder of the decision sent notification of the decision to the registered I&APs, submit an appeal in accordance with Regulation 4 of the National Appeal Regulations 2014 (as amended) to the Appeal Administrator;
- 3.3 Submit an appeal in accordance with Regulation 4 of the National Appeal Regulations 2014 (as amended) to the Appeal Administrator; and
- 3.4 Submit a copy of the appeal to any registered I&APs, any Organ of State with interest in the matter and the decision-maker i.e. the Competent Authority that issued the decision.

4. COMMENCEMENT OF THE DEVELOPMENT

- 4.1 In order to ensure their safety, all employees must be given the necessary personal protective equipment.
- 4.2 This EA must be provided to the site operator and the requirements thereof must be made fully known to him/her.
- 4.3 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.
- 4.4 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.
- 4.5 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.
- 4.6 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.
- 4.7 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 Environment, Forestry and Fisheries (DEFF).
- 4.8 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.



- 4.9 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 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.
- 4.10 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 and Energy (DMRE).
- 4.11 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.
- 4.12 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.
- 4.13 Movement of construction vehicles and machinery must be restricted to areas outside of the drainage lines/wet area.
- 4.14 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.
- 4.15 Dust and nuisance must be minimised through damping down of unsurfaced areas.
- 4.16 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.
- 4.17 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.
- 4.18 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.
- 4.19 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.).



- 4.20 Care must be taken to ensure that the material and excavated soil required for backfilling are free of contamination from hydrocarbons.
- 4.21 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 and Sanitation (DWS) must be notified within 24 hours of an incident that may pollute surface and ground water.

