



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

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NEAS Reference: DEA/EIA/0001246/2012

DEA Reference: 14/12/16/3/3/1/587

Enquiries: Oscar Makhale

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Mr. Svend Morne Steenkamp
Tiquen Trading (Pty) Ltd
P.O. Box 1321
STELLENBOSCH
7602

Fax no: (011) 883 9387

PER FACSIMILE / MAIL

Dear Mr Steenkamp

APPLICATION FOR ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998: GN R. 543, 544 AND 546: PROPOSED DEVELOPMENT OF THE 20MW TUTWA SOLAR ENERGY FACILITY ON PORTION 4 OF THE FARM NARRIES 7, LOCATED APPROXIMATELY 85KM NORTH-WEST OF KAKAMAS AND 43KM WEST OF AUGRABIES, WITHIN THE NAMA KHOI LOCAL MUNICIPALITY IN THE NORTHERN CAPE PROVINCE

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

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

Your attention is drawn to Chapter 7 of the Regulations, which prescribes the appeal procedure to be followed. This procedure is summarised in the attached document. Kindly include a copy of this document with the letter of notification to interested and affected parties.

Should the applicant or any other party wish to appeal any aspect of the decision a notice of intention to appeal must be lodged by all prospective appellants with the Minister, within 20 days of the date of the EA, by means of one of the following methods:

By facsimile: 012 320 7561;
By post: Private Bag X447,
Pretoria, 0001; or

By hand: 2nd Floor, Fedsure Building, North Tower, Cnr. Lilian Ngoyi (Van der Walt) and Pretorius Streets, Pretoria.

If the applicant wishes to lodge an appeal, it must also serve a copy of the notice of 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, should you intend to submit an appeal.

Please include the Department (*Attention: Director: Integrated Environmental Authorisations*) in the list of interested and affected parties, notified through your notification letter to interested and affected parties, for record purposes.

Appeals must be submitted in writing to:

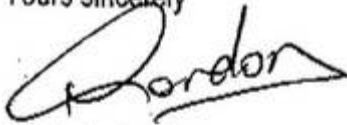
Mr Z Hassam, Director (Appeals and Legal Review) of this Department at the above mentioned addresses or fax number. Mr Hassam can also be contacted at:

Tel: 012-310-3271

Email: AppealsDirectorate@environment.gov.za

The authorised activity/ies shall not commence within twenty (20) days of the date of signature of the authorisation. Further, please note that the Minister may, on receipt of appeals against the authorisation or conditions thereof suspend the authorisation pending the outcome of the appeals procedure.

Yours sincerely



Mr Mark Gordon
Chief Director: Integrated Environmental Authorisations
Department of Environmental Affairs

Date: 28/03/2013

CC:	Ms K Jodas	Savannah Environmental (Pty) Ltd	Tel: 011-234-6621	Fax: 086-684-0547
	Ms A Yaphi	Northern Cape Department of Environment and Nature Conservation	Tel: 054-332-2885	Fax: 054-331-1155
	Ms Y De Jager	Nama Khoi Local Municipality	Tel: 054-461-6425	Fax: 027-712-1635
	Mr S Malaza	Compliance Monitoring (DEA)	Tel: 012-310-3397	Fax: 012-320-5744

APPEALS PROCEDURE IN TERMS OF CHAPTER 7 OF THE NEMA EIA REGULATIONS, 2010 (THE REGULATIONS) AS PER GN R. 543 OF 2010 TO BE FOLLOWED BY THE APPLICANT AND INTERESTED AND AFFECTED PARTIES UPON RECEIPT OF NOTIFICATION OF AN ENVIRONMENTAL AUTHORISATION (EA)

APPLICANT	INTERESTED AND AFFECTED PARTIES (IAPs)
1. Receive EA from the relevant Competent Authority (the Department of Environmental Affairs (DEA)).	1. Receive EA from Applicant/Consultant.
2. Within 12 days of date of the EA notify all IAPs of the EA and draw their attention to their right to appeal against the EA in terms of Chapter 7 of the Regulations.	2. N/A.
3. If you want to appeal against the EA, submit a notice of intention to appeal within 20 days of the date of the EA with the Minister of Water and Environmental Affairs (the Minister).	3. If you want to appeal against the EA, submit a notice of intention to appeal within 20 days of the date of the EA. with the Minister of Water and Environmental Affairs (the Minister).
4. After having submitted your notice of intention to appeal to the Minister, provide each registered IAP with a copy of the notice of intention to appeal within 10 days of lodging the notice.	4. After having submitted your notice of intention to appeal to the Minister, provide the applicant with a copy of the notice of intention to appeal within 10 days of lodging the notice.
5. The Applicant must also serve on each IAP: <ul style="list-style-type: none"> a notice indicating where and for what period the appeal submission will be available for inspection. 	5. Appellant must also serve on the Applicant within 10 days of lodging the notice, <ul style="list-style-type: none"> a notice indicating where and for what period the appeal submission will be available for inspection by the applicant.
6. The appeal must be submitted in writing to the Minister within 30 days after the lapsing of the period of 20 days provided for the lodging of the notice of intention to appeal.	6. The appeal must be submitted to the Minister within 30 days after the lapsing of the period of 20 days provided for the lodging of the notice of intention to appeal.
7. Any IAP who received a notice of intention to appeal may submit a responding statement to that appeal to the Minister within 30 days from the date that the appeal submission was lodged with the Minister.	7. An Applicant who received notice of intention to may submit a responding statement to the appeal to the Minister within 30 days from the date that the appeal submission was lodged with the Minister.

NOTES:

1. **An appeal against a decision must be lodged with:-**
 - a) the Minister of Water and Environmental Affairs if the decision was issued by the Director- General of the Department of Environmental Affairs (or another official) acting in his/ her capacity as the delegated Competent Authority;
 - b) the Minister of Justice and Constitutional Development if the applicant is the Department of Water Affairs and the decision was issued by the Director- General of the Department of Environmental Affairs (or another official) acting in his/ her capacity as the delegated Competent Authority;
2. **An appeal lodged with:-**
 - a) the Minister of Water and Environmental Affairs must be submitted to the Department of Environmental Affairs;
 - b) the Minister of Justice and Constitutional Development must be submitted to the Department of Environmental Affairs;
3. **An appeal must be:-**
 - a) submitted in writing;
 - b) accompanied by:
 - a statement setting out the grounds of appeal;
 - supporting documentation which is referred to in the appeal; and
 - a statement that the appellant has complied with regulation 62 (2) or (3) together with copies of the notices referred to in regulation 62.



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Environmental Authorisation

In terms of regulation 36 of the Environmental Impact Assessment Regulations, 2010

Development of the 20MW Tutwa Solar Energy Facility on Portion 4 of the Farm Narries 7 located approximately 85km north-west of Kakamas and 43km west of Augrabies, within the Nama Khoi Local Municipality in the Northern Cape Province.

Siyanda District Municipality

Authorisation register number:	14/12/16/3/3/1/587
NEAS reference number:	DEA/EIA/0001246/2012
Last amended:	First issue
Holder of authorisation:	Tiquen Trading (Pty) Ltd
Location of activity:	NORTHERN CAPE PROVINCE: On Portion 4 of the Farm Narries 7, 85km north-west of Kakamas and 43km west of Augrabies within the Nama Khoi Local Municipality

This authorisation does not negate the holder of the authorisation's responsibility to comply with any other statutory requirements that may be applicable to the undertaking of the activity.

Decision

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

Non-compliance with a condition of this authorisation may result in criminal prosecution or other actions provided for in the National Environmental Management Act, 1998 and the EIA regulations.

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 107 of 1998) and the Environmental Impact Assessment Regulations, 2010 the Department hereby authorises –

TIQUEN TRADING (PTY) LTD

with the following contact details –

Mr. Svend Morne Steenkamp

Tiquen Trading (Pty) Ltd

P.O. Box 1321

STELLENBOSCH

7602.

Tel: (021) 880 7480

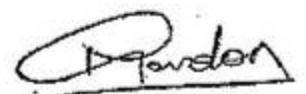
Fax: (011) 883 9387

Cell: (082) 870 3436

E-mail: morne@southernfarms.co.za

to undertake the following activities (hereafter referred to as "the activity") indicated in Listing Notices 1 and 3 (GN R.544 & 546):

Listed activities	Activity/Project description
<p><u>GN R. 544 Item 1(i):</u> The construction of facilities or infrastructure for the generation of electricity where:</p> <p>i. The electricity output is more than 10 megawatts but less than 20 megawatts.</p>	<p>The proposed facility will have a generation capacity of up to 20MW and will be constructed over an area larger than 1 ha.</p>
<p><u>GN R. 544 Item 10(i):</u> The construction of facilities or infrastructure for the transmission and distribution of electricity –</p> <p>i. Outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts.</p>	<p>The facility will require the construction of 132kV overhead power line, connecting to the Schuitdrift Substation.</p>
<p><u>GN R. 544 Item 11(x)(xi):</u> The construction of:</p> <p>x. Buildings exceeding 50 square metres in size; or</p> <p>xi. Infrastructure or structures covering 50 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.</p>	<p>Buildings exceeding 50m² will be required to be built within 32m of a watercourse. Infrastructure within 32m of drainage lines will include the solar panels.</p>
<p><u>GN R. 544 Item 18(i)</u> 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:</p> <p>i. A watercourse.</p>	<p>The development of the facility will require the excavation, removal or moving of soil from a watercourse.</p>
<p><u>GN R. 544 Item 23(ii)</u> The transformation of undeveloped, vacant or derelict land to:</p> <p>ii. Residential, retails, commercial, recreational, industrial or institutional use, outside an urban area and where the total area to be transformed is bigger than 1hectare but less than 20 hectares.</p>	<p>The proposed project development site is outside an urban area and is currently undeveloped. The land will be transformed to industrial use over an area of less than 20 ha. The developer proposes to use the special rezoning applicable to</p>

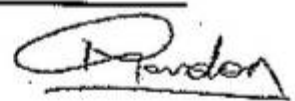


Listed activities	Activity/Project description
	renewable energy facilities as proposed by government.
<p><u>GN R. 546 Item 13(c)ii(ff)</u></p> <p>The clearance of an area of 1 hectare or more of vegetation where 75% or more of the vegetative cover constitutes indigenous vegetation, in Northern Cape:</p> <p>ii) outside urban areas, in:</p> <p>(ff) Areas within 10 kilometres from national parks or world heritage sites or 5 kilometres from any other protected area identified in terms of NEMPAA or from the core area of a biosphere reserve.</p>	<p>An area of 1ha or more of indigenous vegetation cover will be cleared for the construction of solar panels.</p> <p>The site occurs within 10 kilometres of the Augrabies National Park.</p>
<p><u>GN R. 546 Item 16 (iii) & (iv) (a)(ii)(hh)</u></p> <p>The construction of:</p> <p>(iii) buildings with a footprint exceeding 10 square metres in size; or</p> <p>(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, in Northern Cape:</p> <p>(ii) Outside urban areas, in:</p> <p>(hh) Areas within 10 kilometres from national parks or world heritage sites or 5 kilometres from any other protected area identified in terms of NEMPAA or from the core area of a biosphere reserve.</p>	<p>Buildings larger than 10m² or 10m² within 32m of a water course may be required to be built.</p>

as described in the Basic Assessment Report (BAR) dated June 2012 at:

Alternative S1 (Preferred Site)	Latitude (S)	Longitude (E)
Middle point of the activity	28° 36' 03.18"	19° 51' 10.82"

Power line corridor	Latitude (S)	Longitude (E)
Starting point of activity	28° 36' 28"	19° 48' 46"
Middle point of activity	28° 36' 36"	19° 48' 47"
End point of activity	28° 36' 28"	19° 48' 46"



- for the development of the 20MW Tutwa Solar Energy Facility on Portion 4 of the Farm Narries 7, located approximately 85km north-west of Kakamas and 43km west of Augrabies, within Nama Khoi Local Municipality in the Northern Cape Province, hereafter referred to as "the property".

The infrastructure associated with this facility includes:

- Arrays of photovoltaic panels for up to 20MW;
- Mounting structures to support the PV panels;
- Cabling between the project components, to be laid underground where practical;
- Invertors;
- Building an 132kV overhead power line to connect into the existing Schuitdrift Substation 8km west of the proposed facility;
- Internal access roads;
- Office building / workshop; and
- The proposed facility will cover an area of 20 hectares in extent.

Conditions of this Environmental Authorisation

Scope of authorisation

1. The preferred site and associated power line corridor is approved.
2. Authorisation of the activity is subject to the conditions contained in this authorisation, which form part of the environmental authorisation and are binding on the holder of the authorisation.
3. The holder of the authorisation is responsible for ensuring compliance with the conditions contained in this environmental authorisation. 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 authorisation.
4. The activities authorised may only be carried out at the property as described above.
5. Any changes to, or deviations from, the project description set out in this authorisation 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 authorisation to apply for further authorisation in terms of the regulations.

6. This activity must commence within a period of three (3) years from the date of issue of this authorisation. If commencement of the activity does not occur within that period, the authorisation lapses and a new application for environmental authorisation must be made in order for the activity to be undertaken.
7. Commencement with one activity listed in terms of this authorisation constitutes commencement of all authorised activities.
8. The holder of an environmental authorisation must notify the competent authority of any alienation, transfer and change of ownership rights in the property on which the activity is to take place.

Notification of authorisation and right to appeal

9. The holder of the authorisation must notify every registered interested and affected party, in writing and within 12 (twelve) calendar days of the date of this environmental authorisation, of the decision to authorise the activity.
10. The notification referred to must –
 - 10.1. specify the date on which the authorisation was issued;
 - 10.2. inform the interested and affected party of the appeal procedure provided for in Chapter 7 of the Environmental Impact Assessment Regulations, 2010;
 - 10.3. advise the interested and affected party that a copy of the authorisation will be furnished on request; and
 - 10.4. give the reasons of the competent authority for the decision.
11. The holder of the authorisation must publish a notice –
 - 11.1. informing interested and affected parties of the decision;
 - 11.2. informing interested and affected parties where the decision can be accessed; and
 - 11.3. drawing the attention of interested and affected parties to the fact that an appeal may be lodged against this decision in the newspaper(s) contemplated and used in terms of regulation 54(2)(c) and (d) and which newspaper was used for the placing of advertisements as part of the public participation process.

Management of the activity

12. The Environmental Management Programme (EMPr) submitted as part of the application for environmental authorisation is hereby approved and must be implemented during the construction, operation and rehabilitation phases of the activity. The EMPr will be seen as a dynamic document. However, any changes to the EMPr must be submitted to the authorities for approval before implementation.
13. The EMPr must be included in all contract documentation for the construction phase of the development.
14. The provisions of the EMPr are an extension to the conditions of the environmental authorisation and therefore non-compliance with the EMPr shall constitute non-compliance with the environmental authorisation.

Monitoring

15. The applicant must appoint a suitably experienced independent Environmental Control Officer (ECO) for the construction phase of the development that will have the responsibility to ensure that the mitigation/rehabilitation measures and recommendations referred to in this authorisation are implemented and to ensure compliance with the provisions of the EMPr.
 - 15.1. The ECO shall be appointed before commencement of any authorised activity/ies.
 - 15.2. Once appointed, the name and contact details of the ECO must be submitted to the *Director: Compliance Monitoring* of the Department.
 - 15.3. The ECO shall keep record of all activities on site, problems identified, transgressions noted and a task schedule of tasks undertaken by the ECO.
 - 15.4. The ECO shall remain employed until all rehabilitation measures, as required for implementation due to construction damage, are completed and the site is ready for operation.
 - 15.5. Records, relating to monitoring and auditing must be kept on site and made available for inspection to any relevant and competent authority in respect of this development.

Recording and reporting to the Department

16. All documentation e.g. audit/monitoring/compliance reports and notifications, required to be submitted to the Department in terms of this authorisation, must be submitted to the *Director: Compliance Monitoring* at the Department.
17. The holder of the authorisation must submit an environmental audit report to the Department within 30 days of completion of the construction phase (i.e. within 30 days of site handover) and within 30 days of completion of rehabilitation activities.
18. The environmental audit report must indicate the date of the audit, the name of the auditor and the outcome of the audit in terms of compliance with the environmental authorisation conditions as well as the requirements of the EMPr.
19. Records relating to monitoring and auditing must be kept on site and made available for inspection to any relevant and competent authority in respect of this development.

Commencement of the activity

20. The authorised activity shall not commence within twenty (20) days of the date of signature of the authorisation.
21. An appeal under section 43 of the National Environmental Management Act (NEMA), Act 107 of 1998 (as amended), does not suspend an environmental authorisation or exemption, or any provisions or conditions attached thereto, or any directive, unless the Minister, MEC or delegated organ of state directs otherwise.
22. Should you be notified by the Minister of a suspension of the authorisation pending appeal procedures, you may not commence with the activity until such time that the Minister allows you to commence with such an activity in writing.

Notification to authorities

23. Fourteen (14) days written notice must be given to the Department that the activity will commence. Commencement for the purposes of this condition includes site preparation. The notice must

include a date on which it is anticipated that the activity will commence, as well as a reference number. This notification period may coincide with the notice of intent to appeal period.

Operation of the activity

24. Fourteen (14) days written notice must be given to the Department that the activity operational phase will commence.

Site closure and decommissioning

25. Should the activity ever cease or become redundant, the applicant 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.

Specific conditions

26. All PV arrays must be located at least 100m from the edge of any highly sensitive areas.
27. Anti-collision devices such as bird flappers must be installed where powerlines crosses avifaunal corridors. The input of an avifaunal specialist must be obtained for the fitting of the anti-collision devices onto specific sections of the line once the exact positions of the towers have been surveyed and pegged.
28. No exotic plants may be used for rehabilitation purposes; only indigenous plants of the area may be utilised.
29. Cleared alien vegetation must not be dumped on adjacent intact vegetation during clearing but should be temporarily stored in a demarcated area.
30. Before the clearing of the site, the appropriate permits must be obtained from the Department of Agriculture, Forestry and Fisheries (DAFF) for the removal of plants listed in the National Forest Act, 1998 (Act No. 84 of 1998) and from the relevant provincial department for the destruction of species protected in terms of the specific provincial legislation. Copies of the permits must be submitted to the Department for record keeping.
31. The applicant must obtain a Water Use Licence from the Department of Water Affairs (DWA) prior to the commencement of the project should the applicant impact on any water resource. A copy of the license must be submitted to the Director: Integrated Environmental Authorisations at the Department.

32. Existing road infrastructure must be used as far as possible for providing access to the proposed PV arrays positions. Where no road infrastructure exists, new roads should be placed within existing disturbed areas or environmental conditions must be taken into account to ensure the minimum amount of damage is caused to natural habitats.
 33. A transportation plan must be developed, particularly for the transport of PV components, main assembly cranes and other large pieces of equipment. A permit must be obtained from the relevant transport department for the transportation of all components (abnormal loads) to the sites.
 34. A traffic management plan must be prepared for the site access roads to ensure that no hazards would result from the increased truck traffic and that traffic flow would not be adversely impacted.
 35. Signs must be placed along construction roads to identify speed limits, travel restrictions, and other standard traffic control information. To minimize impacts on local commuter, consideration should be given to limiting construction vehicles travelling on public roadways during the morning and late afternoon commute time.
 36. Roads must be designed so that changes to surface water runoff are avoided and erosion is not initiated.
 37. Construction vehicles carrying materials to the site should avoid using roads through densely populated built-up areas so as not to disturb existing retail and commercial operations.
 38. The applicant must ensure that the National Noise Control Regulations and SANS10103:2008 are adhered to and reasonable measures to limit noise from the work site are implemented.
 39. The applicant must ensure that the construction staff working in areas where the 8-hour ambient noise levels exceed 75dBA must wear ear protection equipment.
 40. A lighting engineer must be consulted to assist in the planning and placement of light fixtures in order to reduce visual impacts associated with glare and light trespass.
 41. Liaison with land owners/farm managers is to be done prior to construction in order to provide sufficient time for them to plan agricultural activities. If possible, construction should be scheduled to take place within the post-harvest, pre planting season, when fields are lying fallow.
 42. A health and safety programme must be developed to protect both workers and the general public during construction, operation and decommissioning of the energy facility. The programme must establish a safety zone for PV components from residences and occupied buildings, roads, right-of-ways and other public access areas that is sufficient to prevent accidents resulting from the operation of the PV components.
 43. An effective monitoring system must be put in place during the construction phase of the development to detect any leakage or spillage of all hazardous substances during their
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- transportation, handling, use and storage. The applicant must ensure that precautionary measures are in place to limit the possibility of oil and other toxic liquids from entering the soil or storm water system.
44. An integrated waste management approach must be implemented that is based on waste minimisation and must incorporate reduction, recycling, re-use and disposal where appropriate. Any solid waste shall be disposed of at a landfill licensed in terms of section 20(b) of the National Environment Management Waste Act, 2008 (Act 59 of 2008).
 45. Underground cables and internal access roads must be aligned as much as possible along existing infrastructure to limit damage to vegetation and watercourses.
 46. Foundations and trenches must be backfilled with originally excavated materials as much as possible. Excess excavation materials must be disposed of only in approved areas or, if suitable, stockpiled for use in reclamation activities.
 47. Borrow materials must be obtained only from authorized and permitted sites.
 48. An archaeologist must be commissioned to perform a final walkthrough for the alignment of the power line once the final layout has been decided. The results of the walkthrough must be submitted to the South African Heritage Resources Agency (SAHRA) in a form of specialist report for approval.
 49. The discovery of previously undetected subterranean heritage remains on the terrain must be reported to the SAHRA or the archaeologist.

General

50. A copy of this authorisation and the approved EMPr must be kept at the property where the activity will be undertaken. The authorisation and approved EMPr 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 authorisation who works or undertakes work at the property.
 51. The holder of the authorisation must notify both the *Director: Integrated Environmental Authorisations* and the *Director: Compliance Monitoring* at the Department, in writing and within 48 (forty eight) hours, if any condition of this authorisation cannot be or is not adhered to. Any notification in terms of this condition must be accompanied by reasons for the non-compliance.
 52. National government, provincial government, local authorities or committees appointed in terms of the conditions of this authorisation or any other public authority shall not be held responsible for any damages or losses suffered by the applicant or his successor in title in any instance where
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construction or operation subsequent to construction be temporarily or permanently stopped for reasons of non-compliance by the applicant with the conditions of authorisation as set out in this document or any other subsequent document emanating from these conditions of authorisation.

Date of environmental authorisation: 28/03/2013



Mr Mark Gordon

Chief Director: Integrated Environmental Authorisations

Department of Environmental Affairs

Annexure 1: Reasons for Decision

1. Information considered in making the decision

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

- a) The information contained in the BAR dated June 2012;
- b) The comments received from the South African Heritage Resources Agency, Northern Cape Department of Agriculture, Land Reform and Rural Development, SANParks and Eskom as included in the BAR dated June 2012;
- c) Mitigation measures as proposed in the BAR dated June 2012 and the EMPr;
- d) The information contained in the specialist studies contained within Appendix D of the BAR; and
- e) The objectives and requirements of relevant legislation, policies and guidelines, including section 2 of the National Environmental Management Act, 1998 (Act 107 of 1998).

2. 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 Environmental Assessment Practitioner (EAP).
- b) The findings of all the specialist studies conducted and their recommended mitigation measures.
- c) The need and desirability of the proposed development.
- d) Description of the environment that may be affected by the activity and the manner in which the physical, biological, social, economic and cultural aspects of the environment may be affected by the proposed activity.
- e) Relevant legislation, guidelines and policies considered in the undertaking of the Environmental Impact Assessment process.
- f) Identification of impacts and the methodology used in assessing those impacts.
- g) The public participation process undertaken.

3. Findings

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

- a) The need and desirability for the proposed development was clearly defined.
- b) The BAR dated June 2012 adequately describes the environment that may be affected by the activity and the manner in which the physical, biological, social and cultural aspects of the environment may be affected by the proposed activity.
- c) The identification and assessment of impacts are detailed in the BAR dated June 2012 and sufficient assessment of the key identified issues and impacts have been completed.
- d) Relevant specialist studies were conducted. The studies have assessed the specific impacts and recommended adequate mitigation measures.
- e) The procedure followed for impact assessment is adequate for the decision-making process.
- f) The proposed mitigation of impacts identified and assessed adequately curtails the identified impacts.
- g) Public participation was undertaken and the applicant has satisfied the minimum requirements as prescribed in the EIA Regulations, 2010 for public involvement.
- h) EMPr measures for the pre-construction, construction and rehabilitation phases of the development were proposed and included in the BAR and will be implemented to manage the identified environmental impacts during the construction process.

In view of the above, the Department is satisfied that, subject to compliance with the conditions contained in the environmental authorisation, 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 application is accordingly granted.