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Environmental Authorisation

Head of Department
TOURISM, ENVIRONMENTAL
AND ECONOMIC AFFAIRS
Private Bag X70901
Bloemfontein 9300

03 JUN 2009

Authorisation register
number: EMS/2/07/53

Holder of authorisation: Dana Oosthuizen

Location of activity:
*Remainder of the farm
Boschbank 12, remainder of
subdivision 2 of the farm
Wonderfontein 350,
remainder of the farm
Reitfontein 251 and
subdivision 1, 2, 5 and 8 of
Reitfontein 251.*

Office of the Deputy Director: Environmental Impact Management

Yolande Botha (DID)
Administrator
E-mail: yolande.botha@fsd.gov.za
Phone: +27 51 442 2222

Decision

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

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

Activities authorised

By virtue of the powers conferred on it by the National Environmental Management Act, 1998 (Act No. 107 of 1998) and Regulation Notice 385 and 387 passed pursuant thereto, the Department hereby authorises –

Dana Oosthuizen

with the following contact details –

Head of Department
TOURISM, ENVIRONMENTAL
AND ECONOMIC AFFAIRS
PRIVATE BAG X2093
SACEMFONTEIN 8300

13 Kingfisher Crescent

Okavango Park

03 JUN 2009

Brackenfell

7560

Tel: (021) 982 4808

to undertake the following activity –

Township establishment consisting of the following:

Residential 1: 4440 erven.

Residential 2: 6 erven

General business: 45 erven.

Business type D: 1 erf.

Religious: 2 erven.

Cemetery: 1 erf.

Recreational: 6 erven.

Servitude reserve: 1 erf.

Head of Department
TOURISM, ENVIRONMENTAL
AND ECONOMIC AFFAIRS
PRIVATE BAG X1000,
Bloemfontein, 9900

03 JUN 2009

Listed under Regulations Notice 387 activity number 2, described as:

"Any development activity, including associated structures and infrastructure, where the total area of the development area is, or is intended to be 20 hectares or more."

On the remainder of the farm Boschbank 12, remainder of subdivision 2 of the farm Wonderfontein 350, remainder of the Reitfontein 251 and subdivision 1, 2, 5 and 8 of Reitfontein 251 which falls within the jurisdiction of the District of Fezile Dabi, hereinafter referred to as the "property/site".

The granting of this environmental authorisation is subject to the conditions set out below.

Conditions

Scope of authorisation

- 1.1 Authorisation of the activity is subject to the conditions contained in this document, which conditions form part of the environmental authorisation and are binding on the holder of the authorisation.

- 1.2 The holder of the authorisation shall be responsible for ensuring compliance with the conditions by any person acting on his or her behalf, including but not limited to, an agent, sub-contractor, employee or person rendering a service to the holder of the authorisation.
- 1.3 The authorised activity may only be carried out at the property/site indicated above.
- 1.4 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.
- 1.5 This environmental authorisation is valid for a period of 2 (two) years from the date of issue. If commencement of the activity does not occur within that period, the authorisation lapses and a new application for an Environmental Authorisation (EA) must be made.
- 1.6 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.

Appeal of authorisation

Head of Department
TOURISM ENVIRONMENTAL
AND ECONOMIC AUTHORISATION
PRIVATE LUG 12345
Bloemfontein, 9400

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- 1.7 The holder of the authorisation must notify all registered interested and affected party, in writing and within 7 (seven) calendar days, of the Department's decision to authorise the activity. (Date of issue, date when EA is faxed).
- 1.8 The notification referred to in 1.7 must –
 - 1.8.1 specify the date on which the authorisation was issued;
 - 1.8.2 inform the interested and affected party of the appeal procedure provided for in regulation 62; and

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- 1.8.3 advise the interested and affected party that a copy of the authorisation and reasons for decision will be furnished on request.
- 1.8.4 In terms of section 62 of the National Environmental Management Act, 1998, (Act 107 of 1998) regulations, a person affected by a decision made by the competent authority, must lodge a notice of intention to appeal with the MEC within 10 days after that person has been notified of the Environmental decision and should be directed to:

The MEC

Department of Tourism, Environmental and Economic Affairs
Private Bag x 20801

Bloemfontein
9300.

Head of Department
TOURISM, ENVIRONMENTAL
AND ECONOMIC AFFAIRS
Private Bag x 20801
Bloemfontein 9300

Management of the activity

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- 1.9 The provisions of the Environmental Management Plan ("EMP") included in the Environmental Impact Assessment Report compiled by Enviroworks dated March 2009, are an extension of the conditions of this authorisation, and non compliance with the conditions of the EMP would constitute non compliance with the conditions of the authorization.
- 1.10 The EMP must be included in all contract documentation for the construction phase of the development.
- 1.11 The Department must be notified, within 30 days thereof, of any change of ownership and/or project developer. Conditions imposed in this EA must be made known to the new owner and/or developer and are binding on the new owner and/or developer.

Monitoring

- 1.12 The applicant must appoint an environmental control officer (EO) for the duration of the construction phase of the project. The EO must in addition to the requirements of the EMP contained in the Basic Assessment Report, on a monthly basis monitor project compliance with conditions of this environmental authorization, environmental legislation and recommendations for mitigation.
- 1.13 The EO shall be appointed before commencement of any land clearing or construction activities. The department must be notified of such appointment for communication purposes.
- 1.14 The EO shall keep record of all compliance monitoring in terms of point 1.12.
- 1.15 Records relating to monitoring must be kept on site and made available for inspection to any relevant and competent authority in respect of this development within five (5) days upon request.
- 1.16 The cost of the EO shall be borne by the applicant.
- 1.17 The EO must in addition to the requirements contained in the EMP also maintain the following on site and submit these to the Environmental Assessment Practitioner during his/her audit:
 - * A non conformance register
 - * A public complaints register

Head of Department
TOURISM, ENVIRONMENTAL
AND ECONOMIC AFFAIRS
Project Code: 107
Biosurfactant Project

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- 1.18 Records related to compliance/ non-compliance with conditions of this authorisation must be kept in good order. Such records should be made available to this Department within seven (7) days from the date of written request from this Department.
- 1.19 Non-compliance with or any deviation from the conditions of this authorisation as set out in the EA is regarded as an offence, and after reasonable provision has been given for remedial action, will be dealt with in terms of Section 24F of the National Environmental Management Act (Act No. 107 of 1998) as well as any other appropriate legal mechanisms.

(c) Recording and reporting to the Department

- 1.20 Records relating to monitoring and auditing must be made available to the applicant on request by an authority in respect of this development.
- 1.21 The DTTEA reserves the right to monitor and audit the development throughout its full life cycle to ensure that it complies with the conditions stipulated in the Environmental Authorization as well as mitigation measures in the basic assessment report and EMP.

Commissioning of the activity

- 1.22 Seven (7) days prior written notice must be given to the Department that the activity will commence. The notice must include a date on which it is anticipated that the activity will commence.

Construction and operation of the facility

Head of Department
TOURISM ENVIRONMENT
AND ECONOMIC AFFAIRS
DURBAN, 12 JULY
2009

- 1.23 Waste management

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- 1.23.1 Solid waste produced during the construction phase must be disposed of at registered landfill site in Sasolburg.
- 1.23.2 Due to the fact that the proposed development is near the existing development, refuse from the proposed development must be collected from each dwelling, industrial building and business as an extension of the existing Metsimaholo Municipality's regular refuse removal services and transported to the permitted waste disposal site.
- 1.23.3 Measures must be implemented prevent illegal dumping in neighbouring properties.
- 1.23.4 No waste should remain or buried on site.

- 1.24 Geotechnical investigation

- 1.24.1 Foundations for buildings must be stiffened reinforced concrete foundations to prevent differential vertical movement.

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- 1.24.2 Where normal maximum double storey brick buildings are contemplated mass concrete strip footings must be used.
 - 1.24.3 Brick work must be reinforced with HT wire brick reinforcing at least every fourth course.
 - 1.24.4 A 1.5m wide watertight skirt must be constructed around all buildings to drain roof water and surface run-off away from the buildings.
 - 1.24.5 No trees should be planted within 10m of the buildings and ponding on unpaved areas must be prevented.
 - 1.24.6 Foundations for industries must be designed by a competent structural engineer.
 - 1.24.7 No measures to overcome differential vertical movement are necessary for service connection pipes into or out of buildings on the site.

1.25 Access

- 1.25.1 Access to the proposed development must be at the existing Wonderfontein/Vaalpark access interchange off R57 freeway north-east of the development.
 - 1.25.2 Another access to the proposed development must be at DF Malan/S1080 intersection north-west of Sasolburg CBD. On the regional maps this intersection is earmarked for future access interchange.

1.26 Sewage

- 1.26.1 The south-western area of the proposed development must be served by a newly laid main fallout sewer gravitating to the existing Leeuwspruit pump station and finally to the SASOL sewage treatment works.
 - 1.26.2 The Leeuwspruit pump station must be upgraded to handle extra flow from the south western area of the proposed development before construction starts.
 - 1.26.3 The north eastern portion of the development must be served by a newly laid main fallout sewer gravitating to the existing Baardjie pump station at Abrahamsrust resort.

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- 1.27.1 Water required for the proposed development must be obtained from Metsimaholo Local Municipality by way of extensions to the existing infrastructure of Sasolburg/Vaalpark.
 - 1.27.2 Metsimaholo Local Municipality confirmed that a new bulk water line is planned to be installed in the near future and must be sufficient to accommodate the proposed development.

1.27.3 Water needed for the proposed development must be obtained from a recently constructed 400mm diameter pipeline that link to an existing 300mm diameter pipeline at Bankofs Boulevard.

1.28 Storm water

- 1.28.1 An underground system to handle rain storms with a recurrence period of two years must be installed. This must drain unlined surfaces road drainage channels surrounding the entire development.
- 1.28.2 The underground conduit system must be combined with a grid of pervious underground drainage pipes to lower or eliminate the water tables found on site.
- 1.28.3 The township streets and road pattern must be such that their reserves form a natural surface drainage system for the runoff that exceeds the underground conduits' capacities. These must lead to the provincial roads roadside drainage channels around the development and must convey the total run-off to discharge into the western side drainage furrow leading to Leeuwspruit, Abrahamsrust watercourse and the Vaal River barrage.
- 1.28.4 The existing side drains must be widened, deepened and lined where necessary to handle peak flows of extra storm water run-off from the proposed development.

1.29 Electricity

- 1.29.1 Power supply must be provided by Metsimaholo Local Municipality at the expense of the developer.

1.30 Noise

- 1.30.1 All construction activities must be limited to normal working hours between 07h00 and 17h00 during week days and between 07h00 and 13h00 during weekends.

Head of the Department
TOURISM, ENVIRONMENT
AND ECONOMIC AFFAIRS
DRAFT ENVIRONMENTAL
STATEMENT FOR APPROVAL

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General

- 1.31 A copy of this authorisation must be kept at the property where the activity will be carried on. The authorisation 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.
- 1.32 Where any of the applicant's contact details change, including the name of the responsible person, the physical or postal address and/ or telephonic details, the applicant must notify the Department as soon as the new details become known to the applicant.
- 1.33 The holder of the authorisation must notify the Department, in writing and within 24 (twenty four) hours, if condition 1.15.2 of this authorisation cannot be or is not adhered to. In all other cases, the holder of the authorisation must notify the Department, in writing, within 7 (seven) days if a condition of this authorisation is not adhered to. Any notification in terms of this condition must be accompanied by reasons for the non-compliance.

Approved/Not approved by:

Mr. T.B. Khunyeli
HOD (DTEEA)

Head of Department
TOURISM, ENVIRONMENT
AND ECONOMIC AFFAIRS
Private Bag X4000
Bloemfontein 9300

03 JUN 2009

02-06-2009
Date

Annexure 1: Reasons for Decision

1. Background

The applicant, Dana Oosthulzen applied for authorisation to carry on the following activity –

Township establishment on the remainder of the farm Boschbank 12, remainder of subdivision 2 of the farm Wonderfontein 350, remainder of the farm Reitfontein 251 and subdivision 1, 2, 5 and 8 of the Reitfontein 251 which falls within the jurisdiction of the Fezile Dabi.

The applicant appointed Vaalplan Environmental Consultants to undertake a full environmental impact assessment process for the activity as described under Regulation Notice 385 and 387.

2. Information considered in making the decision

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

- a) The information contained in the Environmental Impact Assessment Report compiled by Vaalplan Environmental Consultants.
- b) The objectives and requirements of relevant legislation, policies and guidelines, including section 2 of the National Environmental Management Act, 1998 (Act No. 107 of 1998); and
- c) The findings of the site visit undertaken by Mr. R. Khadi from the Department of Tourism, Environmental and Economic Affairs.

(c) 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 most significance is set out below.

- a) Waste generated during the construction and operational phases
- b) Sewage produced during the operational phase.
- c) Access.
- d) Water supply to the proposed development
- e) Geotechnical report.
- f) Power supply
- g) Storm water
- h) Noise

Head of Department
TCEB and Enviro Dept
Enviro and Natural
Resource Management
Sustainable Development

03 JCN 2002

4. Findings

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

- a) All waste must be disposed of at a registered land fill site in Sasolburg
- b) Water must be obtained from the Municipal supply.
- c) Pump stations must be upgraded to handle extra flow from the proposed development.
- d) Electricity must be provided by Matsimela Local Municipality.
- e) Existing side drains must be widened, deepened and lined where necessary to handle extra storm water runoff from the proposed development.
- f) Construction will be limited to normal working days and hours.

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- a) Access to the proposed development must be via Wonderfontein/aapbaik access interchange off R57 freeway north-east of the development.
- b) Foundations for single storey buildings must be stiffened reinforced concrete foundations and mass concrete strip footings must be used where double storey buildings will be constructed.
- i) All construction activities must adhere to the National Building Regulations and Standards, the Occupational Health and Safety Act 85 of 1993 and the Metsimaholo Local Municipality by-laws.

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 (Act No. 87 of 1998) and that any potentially detrimental environmental impacts resulting from the proposed activity can be mitigated to acceptable levels. The application is accordingly granted.

Head of Environmental Affairs
Metsimaholo Local Municipality
Gauteng Province

03 JUN 2009