

SEBADI ENVIRONMENTAL AND SOCIAL SERVICES cc

P.O Box 584

Rustenburg

0300

Republic of South Africa

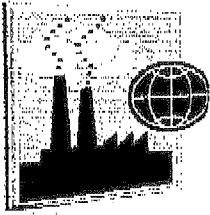
Tel No.: +2784 584 0722

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Registration No.: 2010/146055/23

Income tax reference No.: 9163261184



Best solutions for environmental protection

DEPARTMENT REFERENCE NUMBER: NWP/EIA/04/2011

Dear stakeholder

By Fax/Post/Email/Hand Delivery

**INVITATION TO PARTICIPATE: NOTICE OF ENVIRONMENTAL IMPACT ASSESSMENT PROCESS FOR THE PROPOSED CHICKEN HOUSES AND CROCODILE PENS/HOUSES ON PORTION 5 OF THE FARM TWEE-RIVIER 253 JQ, NORTH WEST PROVINCE.**

This letter serves to inform you that Sebadi Environmental and Social Services cc has been appointed by Mr. PF Freitas trading as Twee-Rivier Farming, to undertake the Environmental Impact Assessment Process required in terms of the National Environmental Management Act, 1998 (Act 107 of 1998) as amended, for the proposed egg laying chicken houses and crocodile pens/houses on the farm 'Twee-Rivier 253 JQ, also known as Moedwil. The development will consist of 8 Chicken houses (accommodating 120 000 chickens in total) with the footprint of  $\pm$  2 hectares and crocodile pens/houses (accommodating 150 crocodile in total).

The aim of the Environmental Impact Assessment is to ensure that,

- Potential environmental impacts are taken into consideration by the relevant authorities and/or decision-makers, and
- Stakeholders are afforded sufficient opportunity to provide comment on the proposed development.

Please refer to the enclosed Background Information Document (BID) for detailed information.

Should you wish to participate in the EIA process, please complete the enclosed registration sheet and return it, on or before Tuesday, 16<sup>th</sup> May 2011, to:

Name of the consulting company: Sebadi Environment and Social Services cc

Contact Person: Mr. Ithuteng Sebastian Diseko

Address: P.O Box 584

RUSTENBURG

Republic of South Africa  
Tel No.: +2784 587 0722  
Fax No.: +2786 6646 043  
E-Mail: [isdisco@gmail.com](mailto:isdisco@gmail.com)

Yours Sincerely,



Mr. Ithuteng Sebastian Diseko  
For Sebadi Environmental and Social Services cc

## BACKGROUND INFORMATION DOCUMENT (BID) SENT TO STAKEHOLDERS

NOTICE OF ENVIRONMENTAL IMPACT ASSESSMENT PROCESS FOR THE  
ESTABLISHMENT OF A CHICKEN BROILER ON THE FARM BUFFELSDOORN  
237 JO.

## BACKGROUND INFORMATION DOCUMENT AND INVITATION TO PARTICIPATE

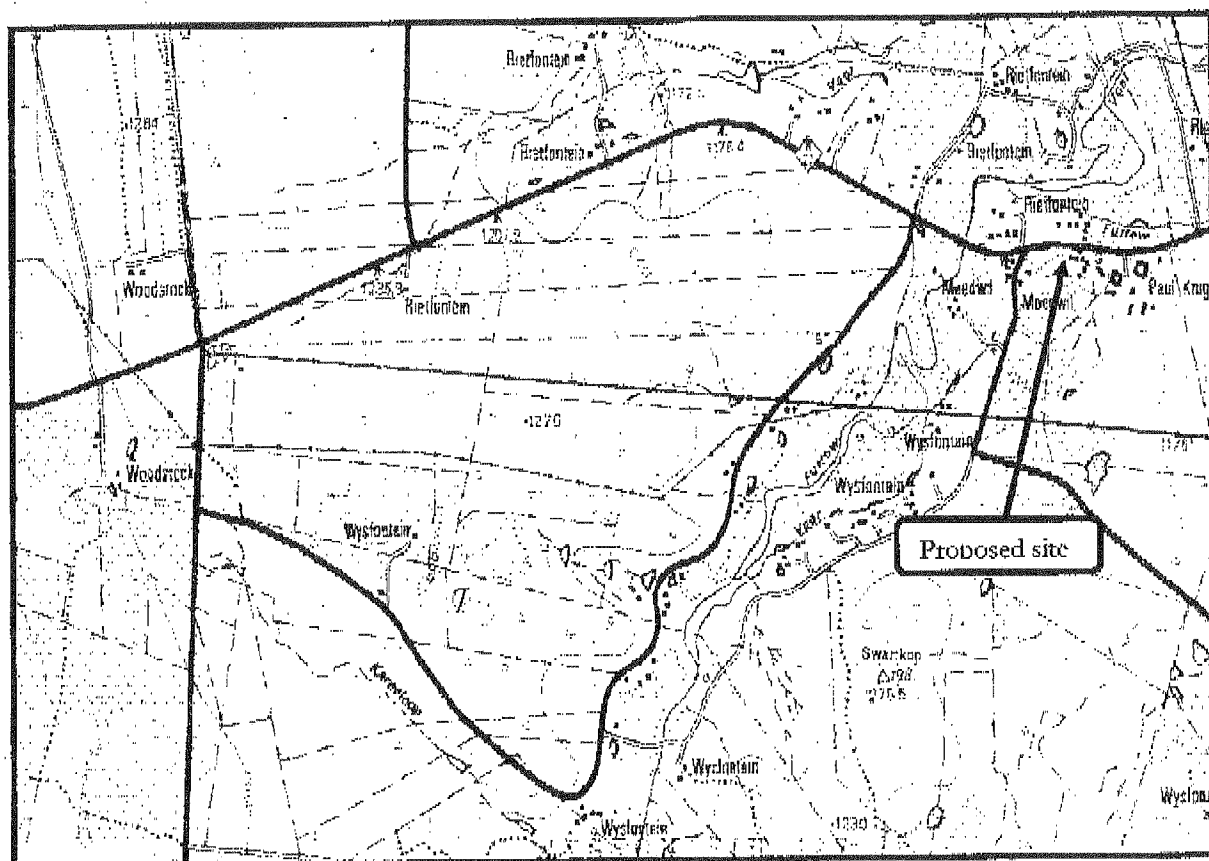
## 1. PURPOSE OF THIS DOCUMENT

The purpose of this document is to:

- Provide information about the proposed establishment of a chicken houses for 120 000 egg laying chickens and crocodile' pens/houses accommodating 150 000 crocodiles in total broiler, as well as the Environmental Impact Assessment (EIA) Process to be followed prior to the establishment of chicken houses and crocodile' pens/houses.
- Indicate how you, as an Interested and Affected Party (I&AP), can become involved in an EIA Process.

## 2. LOCALITY

The proposed development is located on the farm Twee-Rivier 253 JQ, also known as Moedwil in the Kgatlang-Rivier Local Municipality, North West Province. Please refer to the locality map below.



This site falls within the jurisdiction of the Kgatleng – Rivier Local Municipality, in the Bojanala District of the North West Province. The development is approximately  $\pm 2$  hectares in extent. The site is already disturbed due to cultivation that took place at the farm.

### 3. PROJECT DESCRIPTION

The proposed development will consist of 8 chicken houses (accommodating 120 000 chickens in total) and crocodile's pens/houses (accommodating 150 crocodiles) with a total footprint of  $\pm 3$  hectares. The size of each house will be 96m x 15m. This development will use the existing Eskom electricity connection already available at the farm for heating, instead of coal which has a higher environmental impact. The storage facility/building with offices are already in existence.

### 4. ENVIRONMENTAL IMPACT ASSESSMENT (BASIC ASSESSMENT PROCESS) – LEGAL FRAMEWORK

The National Environmental Management Act of 1998 (Act No. 107 of 1998), (NEMA) as amended, read with NEMA Regulations of 18 June 2010 as amended, identifies the establishment of chicken houses and crocodile's pens/houses as an activity that may have an impact on the environment. Hence, a Basic Impact Assessment has to be undertaken in order to ensure that potential environmental impacts, which may occur as a result of the development, are taken into consideration in terms of Sections 24 and 24(D) of the Act, as read with Government Notice Regulation 543. Environmental Impact Assessment (EIA) is required for the following listed activities:

**Activity No. 5(ii) of the GNR 543:** The construction of facilities or infrastructure for the concentration of: (i), more than 1 000 poultry per facility situated within an urban area, excluding chicks younger than 20 days; (ii) more than 5 000 poultry per facility situated outside an urban area, excluding chicks younger than 20 days, and

**Activity No. 4(iii) of the GNR 543:** The construction of facilities or infrastructure for the concentration of animals for the purpose of commercial production in densities that exceed—  
(iii) 30 square metres per crocodile at any level of production, excluding crocodiles younger than 6 months;

The Environmental Impact Assessment (EIA) Process consists of the following two very closely interlinked processes:

- A technical process, which entails the identification and management of possible environmental issues/concerns; and
- A public Participation process which requires public consultation in order to assist in the identification of possible environmental and/or social issues and/or concerns.

### **ANTICIPATED ENVIRONMENTAL ISSUES TO BE INVESTIGATED**

It is anticipated that the following environmental aspects will be significant and will hence be addressed by the project team in the EIA:

- The groundwater pollution, and
- Waste management for both mortalities and chicken manure.

Management guidelines will be developed for the abovementioned issues and be incorporated in an Environmental Management Plan (EMP). You are welcome to comment on the above list and provide anticipated issues/studies and possible impacts which should be addressed.

### **PUBLIC PARTICIPATION PROCESS**

Public Participation Process (PPP) is any process that involves the public in problem solving or decision-making and forms an integral part of the EIA process. The PPP provides people who may be affected by the proposed development, with an opportunity to raise comments and issues of concerns, or to make suggestions that may result in enhanced benefits for the project.

Comments and issues raised during the public participation process will be captured, evaluated and included in an issues and Response report, which will inform and be incorporated into the Basic Assessment Report.

### **APPROVING AUTHORITY**

The North West Department of Economic Development, Environment, Conservation and Tourism (NW: DEDECT) is the relevant authority which will review the Basic Assessment Report. The NW: DEDECT has to reach a decision as to whether, and under what conditions, the project may proceed, based on environmental considerations. A Record of Decision (ROD) will be issued based on the information provided in this report. An application form has already been lodged with the said Department (NW: DEDECT) and the Department has issued the following Reference Number: NWP/EIA/04/2011.

## **5. INVITATION TO PARTICIPATE**

Sebadi Environmental and Social Services cc has been appointed by Mr. PF Freitas trading as Twee-Rivier Farming, to manage and facilitate the environmental and public participation process required for this project. We would encourage you to participate in this EIA process. Should you wish to be involved, please complete the enclosed registration sheet and return it on or before **Monday, 16 May 2011**, to

**Name of the consulting company:** Sebadi Environment and Social Services cc

**Contact Person:** Mr. Ithuteng Sebastian Diseko

**Address:** P.O Box 584

**RUSTENBURG**

**0300**

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**Tel No.:** +2784 587 0722

**Fax No.:** +2786 6646 043

**E-Mail:** [isdiseko@gmail.com](mailto:isdiseko@gmail.com)

**ENVIRONMENTAL IMPACT ASSESSMENT (BASIC IMPACT ASSESSMENT) PROCESS FOR THE FOR THE ESTABLISHMENT OF EIGHT CHIKEN HOUSES AND CROCODILE'S PENS/HOUSES ON PORTION 5 OF THE FARM TWEE-RIVIER 283 JO (ALSO KNOWN AS MOEDWIL), KGETLENG-RIVIER LOCAL MUNICIPALITY, NORTH WEST PROVINCE**

## REGISTRATION AND COMMENT SHEET

Please register as an Interested and Affected Party (I&AP) by completing this form and return it on or before Monday, 16 May 2011.

**Contact the company listed below:**

Schmidt Environment and Social Services CC

Contract Person: Mr. Ithuteng Sebastian Disako

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E-Mail: [isdiseko@gmail.com](mailto:isdiseko@gmail.com)

Title: \_\_\_\_\_ Name: \_\_\_\_\_ Surname: \_\_\_\_\_

Company Name/Organisation/ Nature of Interest: \_\_\_\_\_

Postal Address: \_\_\_\_\_

Area: \_\_\_\_\_ Postal Code: \_\_\_\_\_

Tel. No.: \_\_\_\_\_ Fax No.: \_\_\_\_\_

Cell phone Number/contact Numbers: \_\_\_\_\_

E-Mail Address: \_\_\_\_\_

Kindly list any comments, concerns or suggestions to be considered during the Basic Impact Assessment (BAR) (You may attach additional sheets of paper if required)

In the interest of an open and just process, please declare any interest in this matter, please note that failure to declare an interest may nullify your comment or even lead to legal action:

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What are your main areas of your interest with regards to this development?

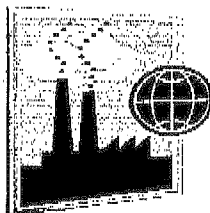
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Do you have any issues, comments and/or concerns regarding this proposed development?

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Thank you for your participation, please be assured that your comments will form part of the Basic Assessment Report to be submitted to the Competent Authority

SEBADI ENVIRONMENTAL AND SOCIAL SERVICES cc



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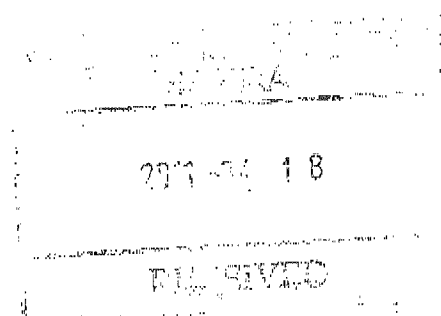
**24G APPLICATION FOR THE UNLAWFUL COMMENCEMENT OF CHICKEN HOUSES AND TWO STORAGE FACILITIES/BUILDINGS ON PORTION 5 OF THE FARM TWEE-RIVIER 253 JQ AT MOEDWIL AREA, KGETLENG-RIVIER LOCAL MUNICIPALITY, NORTH WEST PROVINCE**

Sebadi Environmental and Social Services cc, independent Environmental Assessment Practitioner (EAP) has been appointed by the Applicant, Twee-Rivier Farming, to ensure compliance with the regulations contained in the National Environmental Management Act (NEMA, No 107 of 1998, amended July 2007), read with Regulations 543 as promulgated on the 18 June 2010, for unlawfully constructed six (6) chicken houses (presently accommodating 90 000 chickens in total) for egg laying chickens on portion 5 of the farm Twee-Rivier 253 JQ, Kgetleng-Rivier Local Municipality, North West Province.

A Basic Assessment is required in terms of the Regulation 543 of NEMA Regulations as amended (18 July 2010). The North West Department of Economic Development, Environment, Conservation and Tourism (NW: DEDECT) have been identified as the competent decision making authority. This proposed activity (construction of chicken houses and related infrastructure constitutes the following "listed activities" as stipulated under Regulation 544 of the National Environmental Management Act, and as such requires environmental consideration and authorisation before it can commence.

**Activity No. 5(ii):** The construction of facilities or infrastructure for the concentration of: (i), more than 1 000 poultry per facility situated within an urban area, excluding chicks younger than 20 days; (ii) more than 5 000 poultry per facility situated outside an urban area, excluding chicks younger than 20 days.

you have been identified as an Interested and Affected Party (I&AP) by Sebadi Environmental and Social Services cc in terms of Section 57 of NEMA. More detail on the rearing process is available in the Background Information Document (BID).





You are kindly requested to review the Background Information Document (BID) that provides the necessary background information on the illegally constructed six (6) chicken houses and related infrastructure on portion 5 of the farm Twee-Rivier 253 JQ.

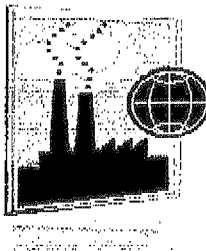
You are welcome to give your comment/response on the BID on the response form that is provided. The period for comments closes within 30-days, thus on **Monday, 16th of May 2011**. If you require any further assistance, please contact me on 084 5870 722 (cell), Fax No.: 086 664 6043 or Email: [isdisko@gmail.com](mailto:isdisko@gmail.com).

Kind Regards



**Ithuteng Sebastian Diseko**

for and on behalf of Sebadi Environmental and Social Services cc



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## BACKGROUND INFORMATION DOCUMENT

Dear Interested & Affected Party/stakeholder

By Fax/Post/Email/Hand Delivery

NW: DEDECT REF: NWP/EIA/149/2010

**24G application for the unlawful commencement of chicken houses and two storage facilities/buildings on portion 5 of the farm Twee-Rivier 253 JQ at Moedwil area, Kgetleng-Rivier Local Municipality, North West Province**

Notice is hereby given, in terms of Section 24(G) the National Environmental Management Amendment Act (Act No. 8 of 2004) that the North West Department of Economic Development, Environment, Conservation and Tourism (NWDEDECT) is considering:

An application for rectification by Twee-Rivier farming in terms of Sections 24(G) and 24(F) of the National Environmental Management Amendment Act (NEMA) (as amended) for the illegal construction of six chicken houses and two storage facilities/buildings at Moedwil, Kgetleng-Rivier Local Municipality, North West Province; and b) Granting or refusing an environmental authorisation to the Twee-Rivier Farming in terms of Section 24G of NEMA for the unlawful commencement of activities listed in terms of the Environmental Impact Assessment (EIA) Regulations under the sub-regulations of Government Notice 543 of 18 July 20101, promulgated in terms of Sections 24 and 44 of the NEMA, as amended.

### 1. PROJECT BACKGROUND

Twee-Rivier Farming has constructed six chicken houses and two storage facilities/buildings at Moedwil (Figures 1 and 2). The six chicken houses each measuring 10.5m x 112m to accommodate 90 000 chickens (altogether). There are two storage/workshop facility areas. The new storage facility/building towards the east (entrance) will have the freezer that will store mortalities before being disposed off. These structures have since commenced operation on March 2007.

## 2. PROJECT LOCATION AND ACTIVITY TAKING PLACE ON SITE

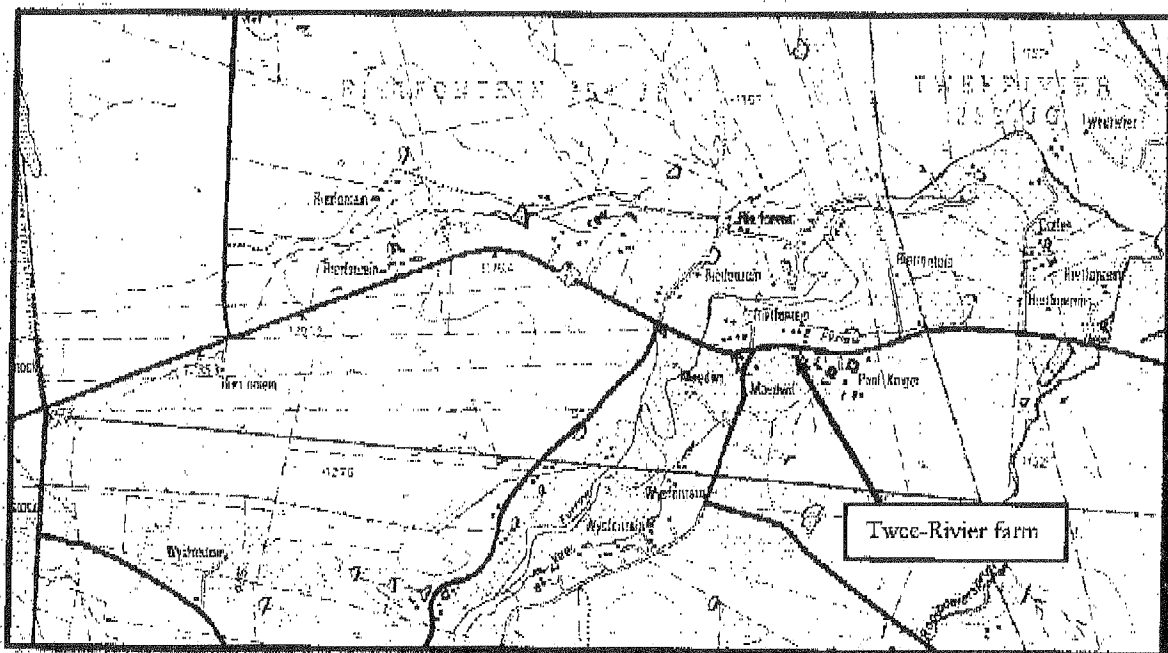
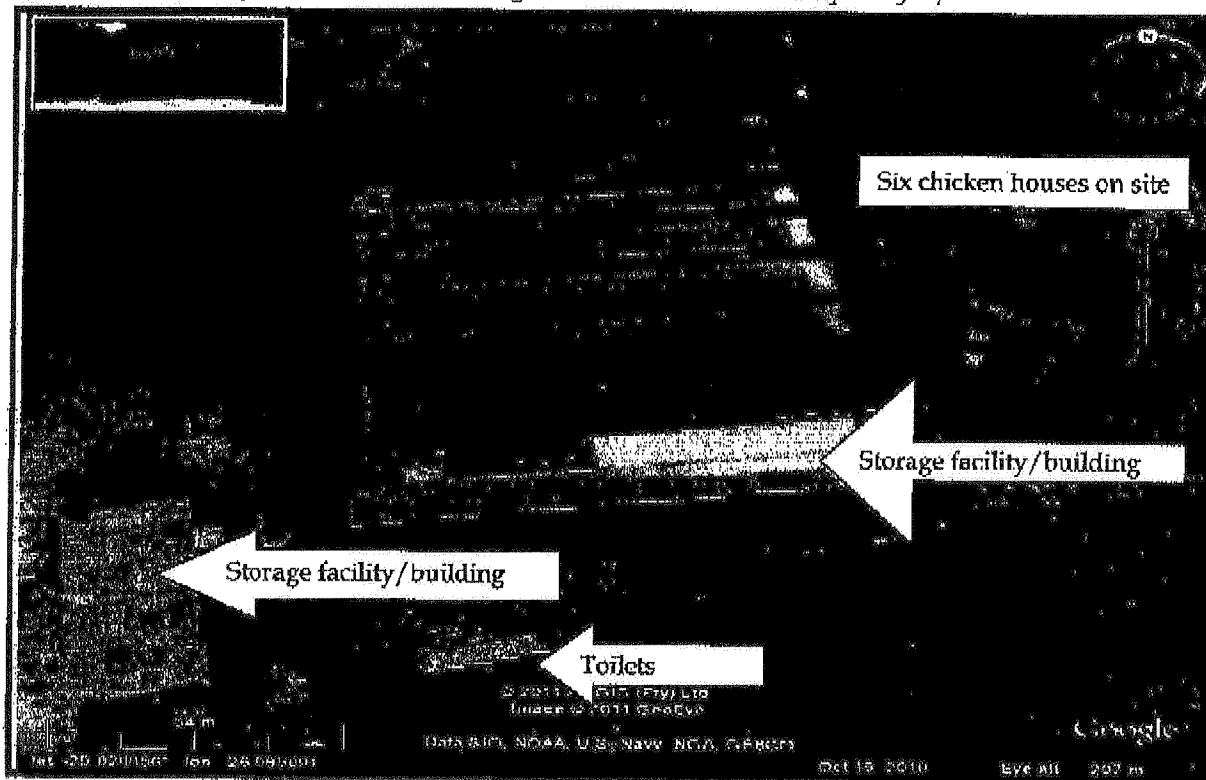


Figure 1: Plan layout of construction site indicating reclaimed area and new development footprint



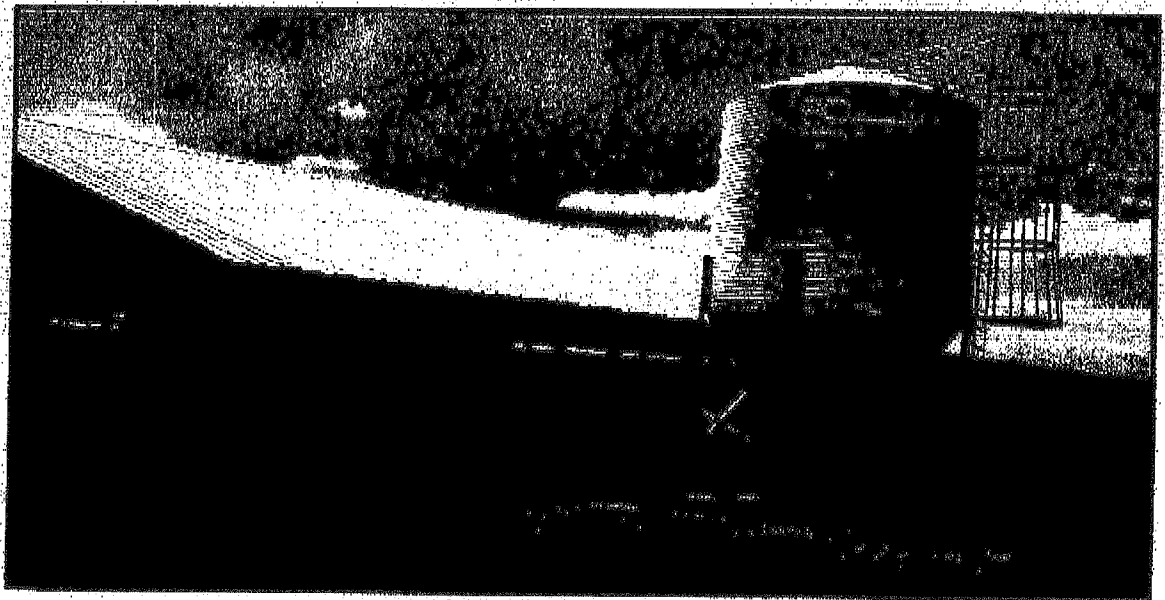
*Figure 2: side view of the storage facility/ building, commenced operation on March (2007)*



*Figure 3: side view of the second storage facility / building*



Figure 4: chicken structure with its associated structure



### 3. THE 24G APPLICATION PROCESS

The 24G process to be followed consists of the following steps:

**Step 1:** A person or company ascertains whether he/she/ they are responsible for the commencement or continuation of an activity requiring authorisation in terms of the EIA Regulations without the necessary authorisation.

**Step 2:** An application for rectification is submitted to the relevant department.

**Step 3:** The application is reviewed. This may include a site inspection to verify information provided. Based on the review of the application, the applicant will be advised on further information required to consider the application.

**Step 4:** The Minister or relevant MEC advise the applicant on further procedural and information requirements by means of a notice. This may include the compilation of a report after conducting prescribed public consultation. The Minister or relevant MEC will also advise the applicant on the administration fine payable and details of the account where monies must be deposited.

**Step 5:** The applicant follows the process prescribed by the Minister or relevant MEC and pay the fine.

**Step 6:** The applicant submits the required reports together with proof of payment of the fine to the department. Reports submitted without proof of payment or exemption from payment will not be processed.

**Step 7:** The department reviews the reports and advises the Minister or relevant MEC to inform his decision.

**Step 8:** The Minister or relevant MEC communicates his decision to the applicant. This decision could be either:

- issue the applicant with an environmental authorisation; or
- issue the applicant with a directive instructing him to cease with the activity and rehabilitate the environment.

**Step 9:** The applicant implements the Minister's or relevant MEC's decision. The EIA Regulations promulgated in 2010 specify which activities, under NEMA, may not commence without prior environmental authorisation from the competent authority.

Listed activities triggering a Basic Assessment were published in Government Notice 544. Specific requirements for conducting the EIA process were promulgated in Government Notice 543. According to the EIA Regulations of June 2010 the project entails the following listed activities that trigger a Basic Assessment according to Government Notice 543:

**Activity No. 5(ii):** *The construction of facilities or infrastructure for the concentration of: (i), more than 1 000 poultry per facility situated within an urban area, excluding chicks younger than 20 days; (ii) more than 5 000 poultry per facility situated outside an urban area, excluding chicks younger than 20 days.*

**Activity No.: 23(b)** *the physical alteration of undeveloped, vacant or derelict land to –*

*(a) residential, retail, commercial, recreational, industrial or institutional use, inside an urban area, and where the total area to be transformed is 5 hectares or more, but less than 20 hectares, or (b) residential, retail, commercial, recreational, industrial or institutional use, outside an urban area and where the total area to be transformed is bigger than 1 hectare but less than 20 hectares; - except where such physical alteration takes place for linear activities.(combination of two storage facilities/buildings triggers this activity).*

#### **4. Management of Environmental Impacts of Chicken Houses on the Farm**

##### *1.2.2 Rezoning of the location*

Twee-Rivier farm is located within the agricultural zoning. Most of the land use surrounding this property is farming, mainly crop and animal/stock farming. There is no need to apply for rezoning as the activities and operation are compatible with the zoning according to the Town Planning Ordinance. The applicant uses small portion of the site as crop/vegetable farming/gardening.

##### *1.2.3 Water Resources*

Water is sourced from the two existing boreholes. These boreholes have high yield which is also utilized for drinking and crop irrigation by the farm owners and dwellers. The process of registering these boreholes is in progress as the applicant is waiting for final processing of permit for water use, any other processes have been completed. The amount of water to be used has not been calculated nor estimated; however, water will be recycled to ensure that there is no wastage of the resource on the farm. This development does not utilize water from the nearby river/stream as water is relatively required for chicken houses' cleaning and drinking by workers on the site. Should there be a need for extra water in future; the necessary water usage application will be lodged with the Department of Water Affairs (DWA).

##### *1.2.4 Waste management*

The solid waste generated by the poultry farm activity is primarily chicken litter which is loaded into a tip truck and taken to a registered landfill or collected by outside contractors and farmers to make compost. This litter is stockpiled on the site and covered against rain/moisture that could attract

flies and produce odour being sold to neighbouring farmers and applied to the garden. The applicant has also started a crop cultivation/garden to use chicken as manure.

Solid waste in the form of chicken mortalities will be disposed of at the crocodile farm presently under application and authorization by the Department of Economic Development, Environment, Conservation and Tourism of the North West Province. Presently the applicant is managing mortalities through a mortality pit which is well lined.

Solid waste in the form of egg shells are stored in a closed container and disposed off at the Kgetleng-Rivier Local Municipality as they are not considered as hazard.

Effluent in the form of grey water resulting from cleaning operations after each 35 day cycle. The grey water consists of a solution of chicken manure and biodegradable detergents from cleaning operations. This grey water will be disposed of by allowing the effluent to run into septic tank system. Should the need arise that a waste water management specialist be appointed to produce a wastewater management plan to effectively manage this effluent, the applicant will be advised and the necessary action will be taken. The volume of wastewater is estimated at approximately 30 m<sup>3</sup> per 35 day cycle.

#### *1.2.5 Management of mortalities*

The applicant is presently utilizing the burial earthen pit method of managing mortalities. The burial pit is lined with a concrete and covered to prevent scavengers from tampering with dead chickens. This method is the alternative to rendering plant, which is not available to these parts of the area. Feeding of mortalities to reptiles is also an alternative; however, the crocodile farmers in this area are already providing that service to "big" companies who are paying them very well".

The applicant has however, lodged an application with the North West Department of Economic Development, Environment, Conservation and Tourism (NW: DEDECT) for authorisation of crocodile pens for managing mortalities and commercial purposes. This will in turn assist other nearby, stranded farmers to manage mortalities by feeding them to these crocodiles.

The best method of managing problems associated with burial/earthen pit presently used at the Twee-Rivier farm includes:

- The split/cutting to small pieces of large carcasses to minimise bloating;
- the pit bases is at least 2 m above the water table to prevent contamination of water table;
- burial/earthen pits are situated on low permeability soils and/or low risk sites, and
- carcasses are well covered with soil, or other suitable material (lime), each day to avoid scavenging by fetal animals and to prevent odour.

#### **4. PUBLIC PARTICIPATION PROCESS**

The EIA Regulations specify that a public participation process must be conducted as an integral part of the 24G application process. Section 56 of the EIA Regulations outlines the requirements for the notification of all potential interested and affected parties.

These requirements typically include the following:

- Fixing a notice board at a conspicuous place.
- Informing:
  - the landowners and occupiers close to the proposed development sites.
  - the municipal councillor of the affected wards;
  - any organ of state having jurisdiction in respect of any aspect of the activity.
- Placing an advertisement in a local or regional newspaper.

During the Public Participation Process, input from the proponent, technical experts, government authorities and the general public will be gathered to result in a better understanding of the project for all involved. This will allow for more informed decision making throughout the process. The key objective of the public participation is to provide Interested & Affected Parties (I&APs) with an opportunity to provide comments and raise concerns.

Any comments and suggestions raised by I&APs will be addressed and responded to in an Issues and Response Report, which forms part as an appendix of the 24G Application.

## **5. YOUR OPPORTUNITY TO GET INVOLVED**

Sebadi Environmental and Social Services cc has been appointed by Twee-Rivier Farming, to manage and facilitate the environmental and public participation process required for this project. We would encourage you to participate in this EIA process. Should you wish to be involved, please complete the enclosed registration sheet and return it on or before Monday, 15 May 2011, to:

**Name of the consulting company:** Sebadi Environment and Social Services cc

**Contact Person:** Mr. Ithuteng Sebastian Diseko

**Address:** P.O Box 584

**RUSTENBURG**

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**24G APPLICATION FOR THE UNLAWFUL COMMENCEMENT OF CHICKEN HOUSES AND  
TWO STORAGE FACILITIES/BUILDINGS ON PORTION 5 OF THE FARM TWEE-RIVIER 253 JQ  
AT MOEDWIL AREA, KGETLENG-RIVIER LOCAL MUNICIPALITY, NORTH WEST PROVINCE  
REGISTRATION AND COMMENT SHEET**

**Please register as an Interested and Affected Party (I&AP) by completing this form and return it on  
or before Monday, 15 May 2011.**

Title: \_\_\_\_\_ Name: \_\_\_\_\_ Surname: \_\_\_\_\_

Company Name/Organisation/ Nature of Interest: \_\_\_\_\_

Postal Address: \_\_\_\_\_

Telephone No.: \_\_\_\_\_ Fax No.: \_\_\_\_\_

Area: \_\_\_\_\_ Postal Code: \_\_\_\_\_

Cell phone Number: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

**Kindly list any comments, concerns or suggestions to be considered during the 24G Impact  
Assessment Report (You may attach additional sheets of paper if required)**

In the interest of an open and just process, please declare any interest in this matter, please note that  
failure to declare an interest may nullify your comment or even lead to legal action:

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What are your main areas of your interest with regards to this development?

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Do you have any issues, comments and/or concerns regarding this development?

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Thank you for your participation, please be assured that your comments will form part of the final  
24G Impact Report to be submitted to the Competent Authority.