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FINAL BASIC ASSESSMENT REPORT

for the

Establishment of a Poultry Abattoir at Nooitgedacht 479, Vryheid

In terms of the National Environmental Management Act
(NEMA, Act 107 of 1998)

and the

Environmental Impact Assessment Regulations, 2010



Prepared for the Applicant: Mr Alec van Heerden

By: Tartan Technologies

Report Reference:

DAEA & RD Reference: DC26/0008/2013

KZN/EIA/0001182/2013

Date: 15 May 2015

FINAL ASSESSMENT REPORT

In terms of the
NATIONAL ENVIRONMENTAL MANAGEMENT ACT (Act No. 107 of 1998)
and the
Environmental Impact Assessment Regulations, 2010

Establishment of a Poultry Abattoir on the Farm Nooitgedacht, Vryheid area

Submitted for:

Stakeholder review and comment

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APPOINTED ENVIRONMENTAL ASSESSMENT PRACTITIONER:

REPORT WRITTEN AND COMPILED BY:



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BASIC ASSESSMENT REPORT: EXECUTIVE SUMMARY

1. INTRODUCTION:

Tartan Technologies has been appointed as the Independent Environmental Assessment Practitioner (EAP) responsible to facilitate the **Basic Assessment process** for the establishment of a poultry abattoir at Nooitgedacht, Vryheid.

The **Applicant** (Mr A. Van Heerden) is proposing the construction of a poultry abattoir . The increased demand for protein rich food and need for employment led to the identification and developing of alternative sources is considered important.

As a result of the construction and operation of the poultry abattoir, the community will get access to affordable meat. One of the major benefits of the project is that as far as possible in the construction phase of the project local workers will be used. A large contingent of the work force used during the operation of the abattoir will be coming from the immediate vicinity of the farm and area. The project is community based therefore the persons working and living on Nooitgedacht will become shareholders in the operation which will lead to financial upliftment in the community.

The proposed project will lead to a number of waste products being generated but due to the size of the operation, only a Basic Assessment will be required.

According to legislative requirements, this Final Basic Assessment report (FBAR) is the third document/report in the process. The **Application Notice** was submitted to the competent authority, the Department of Agriculture, Environmental Affairs and Rural Development (DAEA&RD), on 17 May 2013. DAEA & RD acknowledged the application on 18 June 2013 (Ref DC26/0008/2013 - KZN/EIA /0001182/2013). The interested and affected parties (I & AP's) were provided with a Background Information Document (BID), public participation information sheet and comments form. This background information document

and notice of Basic Assessment was available for review and comments from Friday, 9th August to 8 October 2013, the **40 day registration as I&AP, review and comment period.**

This FBAR will include all comments received and will be submitted to DAEA&RD for evaluation and decision-making.

2. ENVIRONMENTAL REQUIREMENTS

The current assessment is being undertaken in terms of the National Environmental Management Act (Act No. 107 of 1998) and the Environmental Impact Assessment Regulations, 2010. The decision of DAEA&RD will be based on the findings of the Basic Assessment process.

3. SITE DESCRIPTION

Nooitgedacht Farm is situated in the Zululand Municipal District and is approximately 27 km from Vryheid, 38 km from Vrede, 44 km from Thakazele, 37 km from Hlobane and 29 km from Paul Pietersburg. The poultry abattoir to be developed on Nooitgedacht will cover an approximate footprint of 1100m².

3.1 Site Description – Vegetation

The grasses found in the area of the proposed abattoir and existing sheds consist predominantly of planted pastures of *Cynodon Nlemfuensis* (star grass) and *Pennisetum Clandestinum* (kikuyu). The veld is predominantly *Eragrostis Plana*, *Sporobulus Africanus*, *Cymbopogon Excavatus* and *Hyparrhenia Hirta*.

4. PLANNING CONTEXT

The farm Nooitgedacht, is currently zoned *for Agricultural purpose*.

5. DEVELOPMENT PROPOSALS

The proposed poultry abattoir is a slaughter facility which could slaughter approximately 2500 birds per day. The proposed abattoir on Nooitgedacht Farm will use approximately 30 000 litres of water per day which is obtained from a strong borehole. Power will be obtained from Eskom which already has fixed points on the farm.

6. ALTERNATIVES

According to the Basic Assessment process which provides for the investigating and assessing of activity, site or ecological alternatives, no alternatives with regards to process or site could be identified. The slaughtering process or activity is prescribed by legislation and the site which is considered takes available building which was previously an abattoir, into account.

The No-Go alternative will lead to no waste generation if no abattoir is developed as no slaughtering will take place but this will indirectly lead to no improvement to the economical status of community members or continued low employment opportunities for the local community in a rural area with little employment possibilities. The benefits of establishment of such a facility with respect to employment opportunities far outweighs the generation of waste which is controllable and could also be applied to generate income in the form of using waste as fertilizer and applicable to land.

7. PUBLIC PARTICIPATION

A public participation process (PPT) was undertaken in terms of Regulation 56 of NEMA (as amended):

- **Notification letters** were sent to owners and occupiers of **directly adjacent land** to the site (via registered post), which informed them of the proposal and the environmental process. The recipients were invited to register as stakeholders and to provide comment (documents attached as Appendix E).
- The **Abaqulusi Local Municipality** (which has jurisdiction in the area) was registered as a **key stakeholder**. The Abaqulusi Municipality was provided with a written notification of the proposed project, informing them of the proposal. A copy of the Basic Information Document was sent to the municipality for the Municipal Manager's attention (Mr BE Mtanzi, 21 August 2013). Further correspondence with the municipality was entered into at a later stage (included in Appendix E).
- All other relevant state departments and interested parties (eg. Department of Environmental and Health Services, Department of Agriculture,) which have jurisdiction in respect of the activity, were **notified** and **informed** of the proposal and the environmental process and were registered as key stakeholders and provided with Basic Information Document (stakeholders list in Appendix E (21 August 2013).
- An **advertisement** was placed in the Vryheid Herald, 9th August 2013 issue. A copy of the advertisement is included in Appendix E of the report.

- An **advertisement** was placed on the notice board of the Abaqulusi Local Municipality on the 12th August 2013.
- All **comments** received during the commenting and review period were considered and included in this final basic assessment report.
- All **registered I&AP's** will be kept informed of the outcome of the application through written communication.

8. SPECIALIST STUDIES

Due to the limited environmental impact which will be occurring as a result of the proposed processes, no specialist studies were required and performed.

9. CONCLUSIONS AND RECOMMENDATIONS

The proposed poultry abattoir to be developed on Nooitgedacht is **not expected** to cause any **detrimental and long term impact** on the areas surrounding the developments. The proposed poultry abattoir is envisaged to have the following positive impact, namely:

- An important contribution of the project is skills development and this will lead to local empowerment and improved economical status of the community members



KZN Agriculture, Environmental Affairs & Rural Development

*umNyango: ezoLimo ezeMvelo nokuThuthukiswa
kweMiphakathi yaseMakhaya*

ISIFUNDAZWE SAKWAZULU-NATALI

File Reference Number:
NEAS Reference Number:
Date Received:

(For official use only)

DC/26/0008/2013

KZN/EIA/0001182/2013

Basic Assessment Report in terms of the Environmental Impact Assessment Regulations, 2010 promulgated in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998)

Kindly note that:

1. This **basic assessment report** meets the requirements of the EIA Regulations, 2010 and is meant to streamline applications. This report is the format prescribed by the KZN Department of Agriculture, Environmental Affairs and Rural Development. Please make sure that this is the latest version.
2. The report must be typed within the spaces provided in the form. The size of the spaces provided is not indicative of the amount of information to be provided. The report is in the form of a table that can extend itself as each space is filled with text.
3. Where required, place a cross in the box you select.
4. An incomplete report will be returned to the applicant for revision.
5. The use of "not applicable" in the report must be done with circumspection because if it is used in respect of
6. Material information that is required by the competent authority for assessing the application, it will result in the rejection of the application as provided for in the regulations.
7. No faxed or e-mailed reports will be accepted.
8. The report must be compiled by an independent environmental assessment practitioner ("EAP").
9. Unless protected by law, all information in the report will become public information on receipt by the competent authority. Any interested and affected party should be provided with the information contained in this report on request, during any stage of the application process.
10. The KZN Department of Agriculture, Environmental Affairs and Rural Development may require that for specified types of activities in defined situations only parts of this report need to be completed.
11. The EAP must submit this basic assessment report for comment to all relevant State departments that administer a law relating to a matter affecting the environment. This provision is in accordance with Section 24 O (2) of the National Environmental Management Act 1998 (Act 107 of 1998) and such comments must be submitted within 40 days of such a request.
12. **Please note** that this report must be handed in or posted to the District Office of the KZN Department of Agriculture, Environmental Affairs and Rural Development to which the application has been allocated (please refer to the details provided in the letter of acknowledgement for this application).

SECTION A: DETAILS OF THE ENVIRONMENTAL ASSESSMENT PRACTITIONER AND SPECIALISTS

1. NAME AND CONTACT DETAILS OF ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP)

Name and contact details of the EAP who prepared this report:

Business name of EAP:	Tartan Technologies		
Physical address:	18 Marcel Court, Jim Fouché Avenue, Universitas, Bloemfontein		
Postal address:	PO Box 11531, Universitas, Bloemfontein		
Postal code:	9321	Cell:	0762020129/0845500621
Telephone:	051-5073122	Fax:	
E-mail:	drrobertsh@gmail.com / tartantech@gmail.com		

2. NAMES AND EXPERTISE OF REPRESENTATIVES OF THE EAP

Names and details of the expertise of each representative of the EAP involved in the preparation of this report:

Name of representative of the EAP	Education qualifications	Professional affiliations	Experience at environmental assessments (yrs)
Dr HA Roberts	DTech Environmental Health	HPCSA	6 years

3. NAMES AND EXPERTISE OF SPECIALISTS

Names and details of the expertise of each specialist that has contributed to this report:

Name of specialist	Education qualifications	Field of expertise	Section/ s contributed to in this basic assessment report	Title of specialist report/ s as attached in Appendix D
-				

SECTION B: ACTIVITY INFORMATION

1. PROJECT TITLE

Describe the project title as provided on the application form for environmental authorization:

ESTABLISHMENT OF A POULTRY ABATTOIR ON THE FARM NOOITGEDACHT, VRYHEID

2. PROJECT DESCRIPTION

Provide a detailed description of the project:

The project will include the development of a new low throughput poultry abattoir with its associated infrastructure; making use of structures which was previously a poultry abattoir, on the farm Nooitgedacht, Vryheid. The re-developed abattoir facility will be able to slaughter 2500 broilers daily. The site is located in the agricultural area of Vryheid.

The proposed project will be promotable in economic terms as it will reduce poverty and provide employment for approximately 16 permanent workers in poultry production, logistics, maintenance, catch, clean, production supervision, abattoir management, supervisors, quality control, meat inspection and distribution. During the re-development of the existing structures (construction phase) 16 local workers will be employed.

The proposed location for this poultry abattoir is Nooitgedacht Farm 479, Vryheid. Currently stock farming is taking place on the site.

3. ACTIVITY DESCRIPTION

Describe each listed activity in Listing Notice 1 (GNR 544, 18 June 2010) or Listing Notice 3 (GNR 546, 18 June 2010) which is being applied for as per the project description:

According to EN R544 SECTION 3(i) The construction of facilities of infrastructure for the slaughter of animals with a product throughput of i) poultry exceeding 50 poultry per day requires the application for a basic assessment to be done [for the proposed construction of an abattoir with the capacity to slaughter 2500 broilers daily].

4. FEASIBLE AND REASONABLE ALTERNATIVES

“alternatives”, in relation to a proposed activity, means different means of meeting the general purpose and requirements of the activity, which may include alternatives to—

- (a) the property on which or location where it is proposed to undertake the activity;
NO ALTERNATIVE LOCATION AS THE EXISTING BUILDING (PREVIOUSLY AN ABATTOIR) WILL BE USED
- (b) the type of activity to be undertaken;

Activities are only for the development of a poultry abattoir

- (c) the design or layout of the activity;
NO ALTERNATIVE LOCATION
The design is prescribed by legislation
- (d) the technology to be used in the activity;
NO ALTERNATIVE TECHNOLOGY
- (e) the operational aspects of the activity; and
The operational aspects and design are prescribed by legislation
- (f) the option of not implementing the activity.
NO OPTION OF NOT IMPLEMENTING THIS ACTIVITY

Describe alternatives that are considered in this report. Alternatives should include a consideration of all possible means by which the purpose and need of the proposed activity could be accomplished in the specific instance taking account of the interest of the applicant in the activity. The no-go alternative must in all cases be included in the assessment phase as the baseline against which the impacts of the other alternatives are assessed. The determination of whether site or activity (including different processes etc.) or both is appropriate needs to be informed by the specific circumstances of the activity and its environment. After receipt of this report the competent authority may also request the applicant to assess additional alternatives that could possibly accomplish the purpose and need of the proposed activity if it is clear that realistic alternatives have not been considered to a reasonable extent.

Sections B 5 – 15 below should be completed for each alternative.

5. ACTIVITY POSITION

Indicate the position of the activity using the latitude and longitude of the centre point of the site for each alternative site. The co-ordinates should be in degrees, minutes and seconds. List alternative sites were applicable.

	Latitude (S):			Longitude (E):		
Alternative: Alternative S11 (preferred or only site alternative)	27°	36'	09.40"	30°	53'	02.21"
Alternative S2 (if any)	o	'	"	o	'	"
Alternative S3 (if any)	o	'	"	o	'	"

In the case of linear activities:

Alternative:	Latitude (S):	Longitude (E):
Alternative S1 (preferred or only route alternative)		

¹ "Alternative S.." refer to site alternatives.

- Starting point of the activity
- Middle point of the activity
- End point of the activity

0	€	“	0	€	“
0	€	“	0	€	“
0	€	“	0	€	“

Alternative S2 (if any)

- Starting point of the activity
- Middle point of the activity
- End point of the activity

0	€	“	0	€	“
0	€	“	0	€	“
0	€	“	0	€	“

Alternative S3 (if any)

- Starting point of the activity
- Middle point of the activity
- End point of the activity

0	€	“	0	€	“
0	€	“	0	€	“
0	€	“	0	€	“

For route alternatives that are longer than 500m, please provide an addendum with co-ordinates taken every 500m along the route for each alternative alignment.

6. PHYSICAL SIZE OF THE ACTIVITY

Indicate the physical size of the preferred activity/technology as well as alternative activities/technologies (footprints):

Alternative: Nooitgedacht poultry abattoir

Alternative A1² (preferred activity alternative)

Alternative A2 (if any)

Alternative A3 (if any)

or, for linear activities:

Size of the activity:

1100m²
m ²
m ²

Alternative:

Alternative A1³ (preferred activity alternative)

Alternative A2 (if any)

Alternative A3 (if any)

or, for linear activities:

Size of the activity:

m ²
m ²
m ²

Alternative:

Alternative A1 (preferred activity alternative)

Alternative A2 (if any)

Alternative A3 (if any)

Length of the activity:

m
m
m

Indicate the size of the alternative sites or servitudes (within which the above footprints will occur):

Alternative: NONE

Alternative A1 (preferred activity alternative)

Alternative A2 (if any)

Alternative A3 (if any)

Size of the site/servitude:

m ²
m ²

² "Alternative A.." refer to activity, process, technology or other alternatives.

³ "Alternative A.." refer to activity, process, technology or other alternatives.

7. SITE ACCESS

Does ready access to the site exist?

YES	
	m

If NO, what is the distance over which a new access road will be built

Describe the type of access road planned:

Existing farm road will be filled in and maintained in good condition.

Include the position of the access road on the site plan and required map, as well as an indication of the road in relation to the site.

8. SITE OR ROUTE PLAN

A detailed site or route plan(s) must be prepared for each alternative site or alternative activity. It must be attached as Appendix A to this report.

The site or route plans must indicate the following:

- 8.1. the scale of the plan which must be at least a scale of 1:500;
- 8.2. the property boundaries and numbers/ erf/ farm numbers of all adjoining properties of the site;
- 8.3. the current land use as well as the land use zoning of each of the properties adjoining the site or sites;
- 8.4. the exact position of each element of the application as well as any other structures on the site;
- 8.5. the position of services, including electricity supply cables (indicate above or underground), water supply pipelines, boreholes, street lights, sewage pipelines, storm water infrastructure and telecommunication infrastructure;
- 8.6. walls and fencing including details of the height and construction material;
- 8.7. servitudes indicating the purpose of the servitude;
- 8.8. sensitive environmental elements within 100 metres of the site or sites including (but not limited thereto):
 - rivers, streams, drainage lines or wetlands;
 - the 1:100 year flood line (where available or where it is required by DWA);
 - ridges;
 - cultural and historical features;
 - areas with indigenous vegetation including protected plant species (even if it is degraded or infested with alien species);
- 8.9. for gentle slopes the 1 metre contour intervals must be indicated on the plan and whenever the slope of the site exceeds 1:10, the 500mm contours must be indicated on the plan; and
- 8.10. the positions from where photographs of the site were taken.

A site plan according to the above specifications is attached as Appendix A of this Final Basic Assessment Report

9. SITE PHOTOGRAPHS

Colour photographs from the centre of the site must be taken in at least the eight major compass directions with a description of each photograph. Photographs must be attached under Appendix B to

this report. It must be supplemented with additional photographs of relevant features on the site, if applicable.

10. FACILITY ILLUSTRATION

A detailed illustration of the facility must be provided at a scale of 1:200 and attached to this report as Appendix C. The illustrations must be to scale and must represent a realistic image of the planned activity/activities.

11. ACTIVITY MOTIVATION

11.1. Socio-economic value of the activity

What is the expected capital value of the activity on completion?	R2 million
What is the expected yearly income that will be generated by or as a result of the activity?	R14 million
Will the activity contribute to service infrastructure?	YES
Is the activity a public amenity?	NO
How many new employment opportunities will be created in the development phase of the activity?	16
What is the expected value of the employment opportunities during the development phase?	R100 000
What percentage of this will accrue to previously disadvantaged individuals?	99%
How many permanent new employment opportunities will be created during the operational phase of the activity?	16
What is the expected current value of the employment opportunities during the first 10 years?	R8 million
What percentage of this will accrue to previously disadvantaged individuals?	99%

11.2. Need and desirability of the activity

Motivate and explain the need and desirability of the activity (including demand for the activity):

Vryheid is situated in Northern Natal region and fairly isolated from major industrial areas where poultry is produced. The establishment of this new poultry facility will provide in the needs of the rural communities providing necessary proteins required for healthy living. It will contribute to creating improved financial stability and create much needed employment opportunities that could create financial well-being of this previous disadvantaged community. A wholesome product will be produced under hygienic conditions.

Indicate any benefits that the activity will have for society in general:

Project will create availability of much needed protein produced under strict hygienic conditions and employment opportunities leading to improved self esteem, financial independence and improved living conditions.

Indicate any benefits that the activity will have for the local communities where the activity will be located:

Improved living conditions for community will result. Better financial status will result due to increased employment opportunities and wealth escalation. Provide safe and disease free protein food source. The families currently living on the farm, will be awarded the opportunity to participate and become share holders of the business by empowering them through this process as this is a community trust project.

12. APPLICABLE LEGISLATION, POLICIES AND/OR GUIDELINES

List all legislation, policies and/or guidelines of any sphere of government that are relevant to the application as contemplated in the EIA regulations, if applicable:

Title of legislation, policy or guideline:	Administering authority:	Date:
National Environmental Management Act, Act 107 of 1998, EIA Regulations	Dept of Environmental Affairs	2010
National Water Act, Act 36 of 1998	Department of Water Affairs	1998
National Environmental Management: Waste Management Act, Act 59 of 2008	Dept of Environmental Affairs	2008
National Health Act, Act 61 of 2003	Department of Health	2003

13. WASTE, EFFLUENT, EMISSION AND NOISE MANAGEMENT

13.1. Solid waste management

Will the activity produce solid construction waste during the construction/initiation phase? **YES**

If yes, what estimated quantity will be produced per month? **5m³**

How will the construction solid waste be disposed of? (describe)

Excess soil/rock due to excavations will be used to backfill existing dongas on the farm. These areas will be filled in to prevent further erosion and ecological degradation of the farm grounds. Also used as filling to maintain farm access road.

Where will the construction solid waste be disposed of? (provide details of landfill site)

It will not be removed from the farm and no disposal will take place at any landfill site

Will the activity produce solid waste during its operational phase? **YES**

If yes, what estimated quantity will be produced per month? **1m³**

How will the solid waste be disposed of? (provide details of landfill site)

Not disposed of at landfill site.

Where will the solid waste be disposed if it does not feed into a municipal waste stream (describe)?

Handling of feet, heads and intestines

Feet, heads and intestines are regarded as edible offal and will be handled as edible products, washed, packaged, labelled and chilled at -2°C until dispatched.

Waste materials identified include feathers, meat off-cuts, condemned chicken, intestines, blood, caeca and gizzard contents. Each of these types of waste materials will be handled separately.

Offal

Offal that consists of inedible organs (intestinal tract, lungs, spleen, wind pipe, and reproductive organs) will initially be disposed of by adding it to make compost, but the intention is to use these offal as a source of pet food, as cats and dogs need animal protein in their daily diet.

Dung and stomach content generated during production will also be utilised as fertilizer and used as a feed supplement during dry winter periods. The waste will be collected by neighbouring farmers.

Handling of blood

Blood will be collected in blood troughs and it will be stored in it until it is buried at the end of each working day. A secure site has been identified +/- 120 m from the abattoir. It will be covered to a minimum depth of 60cm.

Rendering of blood might be used as by-products in the future, such as blood meal, poultry meal and fertilisers instead of burial disposal.

It has been scientifically proven that blood meal contains a high nutritive value and therefore is being used as a feed supplement for animals.

A poultry meal, a mixture of blood, feathers and other condemned organic material, in their natural proportions will be investigated. A mixture of these by-products produces a more nutritionally-balanced product than any other formulations.

Handling of feather waste

Feathers are regarded as one of the most important by-product materials. It will be collected and placed in plastic containers/drums with lids. Feathers will be stored in an open space next to the abattoir prior to burial disposal initially and later for further processing. Burial is an original method of disposal of feathers.

Production of feather meal will be investigated and refers to the product resulting from the treatment of clean feathers, free from any additives. Raw feathers can be processed by means of pressure-cooking between 207 and 690kPa, over a time period of 6 to 60 minutes. This breaks down keratinous material in feathers, resulting in a hydrolysed feather meal with a 70% digestible crude protein.

Handling of condemned waste material

Condemned waste material e.g. dead-on-arrivals, those carcasses and portions of meat condemned by the meat inspector, stomach, and lungs which are regarded as a possible health threat, will be denatured by cutting it into pieces and placing it in a substance approved by Veterinary Services, before it is buried.

If the solid waste (construction or operational phases) will not be disposed of in a registered landfill site or be taken up in a municipal waste stream, then the applicant should consult with the competent authority to determine the further requirements of the application.

Can any part of the solid waste be classified as hazardous in terms of the relevant legislation?

	NO
--	----

If yes, contact the KZN Department of Agriculture, Environmental Affairs and Rural Development to obtain clarity regarding the process requirements for your application.

Is the activity that is being applied for a solid waste handling or treatment facility?

	NO
--	----

If yes, contact the KZN Department of Agriculture, Environmental Affairs and Rural Development to obtain clarity regarding the process requirements for your application.

13.2. Liquid effluent

Will the activity produce effluent, other than normal sewage, that will be disposed of in a municipal sewage system?

	NO
--	----

If yes, what estimated quantity will be produced per month?

	528 m ³ will be produced but not disposed of into a municipal sewer system.
--	--

Will the activity produce any effluent that will be treated and/or disposed of on site?

YES	
-----	--

If yes, contact the KZN Department of Agriculture, Environmental Affairs and Rural Development to obtain clarity regarding the process requirements for your application.

Will the activity produce effluent that will be treated and/or disposed of at another facility?

	NO
--	----

If yes, provide the particulars of the facility:

Facility name:			
Contact person:			
Postal address:			
Postal code:			
Telephone:		Cell:	
E-mail:		Fax:	

Describe the measures that will be taken to ensure the optimal reuse or recycling of waste water, if any:

Waste-water disposal : Effluent will be irrigated onto pastures and applied to natural and cultivated pastures after the removal of fat and scraps of meat by making use of sieves. The disposal area of waste-water will not be close to any running water (river) or dams. The construction of wetlands/dam within the abattoir premises where the wastewater can be discharged so that it can be re-used later, mostly for agricultural purposes is considered. There is enough space but the initial discharge will be soil enrichment as indicated above.

Conservation of water: Although enough water is available via boreholes, conservation of water is considered to be very important. For cleaning surfaces a pressurised spray will be used because of its effectiveness and uses less water. Hoses will be fit with spray nozzles. However, we will undertake dry-cleaning before washing with water. Using brooms to sweep up loose dirt and feathers in the reception area. During wash-down a proportion of recycled water will be used to wash away remaining waste. Pressure reducers will be installed and shut-off valves/automatic shut off taps to reduce water consumption will be used.

Pre-treatment and primary treatment of waste water : Waste water will first be screened and will serve a dual purpose in a poultry abattoirs waste-water stream. Screening will recover offal materials (feathers, viscera, meat particles) that are valuable by-products for the poultry rendering industry.

Screening prepares waste-water for further treatment by removing the larger solids particles from the waste stream that might otherwise affect the operation including maintenance of downstream equipment and treatment processes. A biological treatment system will be used for the removal of organic compounds and pathogens from effluent using micro-organisms. The remaining effluent will be discharged as surface water or via a land application system. Treatment will be carried out partly by the soil and partly by aerobic processes as the effluent flow between the stems and roots of crop plants. The soil has a good absorption capacity and microbial activity will easily take place.

13.3. Emissions into the atmosphere

Will the activity release emissions into the atmosphere?

NO

If yes, is it controlled by any legislation of any sphere of government?

If yes, contact the KZN Department of Agriculture, Environmental Affairs and Rural Development to obtain clarity regarding the process requirements for your application.

If no, describe the emissions in terms of type and concentration:

No emissions except steam will be emitted as the process does not involve any burning or heating using coal etc.

13.4. Generation of noise

Will the activity generate noise?

NO

If yes, is it controlled by any legislation of any sphere of government?

If yes, the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA.

If no, describe the noise in terms of type and level:

Transportation of workers to and from the site will create some localised noise. Trucks will arrive and leave the farm periodically to deliver broilers and to remove the end product. This activity would however not create any noise or be noisier or busier than a typical farming operation.

14. WATER USE

Please indicate the source(s) of water that will be used for the activity by ticking the appropriate box(es):

	Groundwater	
--	--------------------	--

If water is to be extracted from groundwater, river, stream, dam, lake or any other natural feature, please indicate the volume that will be extracted per month:

600 000 litres

Does the activity require a water use permit from the Department of Water Affairs?

NO

If YES, please submit the necessary application to the Department of Water Affairs and attach proof thereof to this report.

15. ENERGY EFFICIENCY

Describe the design measures, if any, that have been taken to ensure that the activity is energy efficient:

Energy saving will be applied were ever possible in order to ensure profitability of the operation. New equipment based on the latest technology which will be energy efficient will be installed and used.

Describe how alternative energy sources have been taken into account or been built into the design of the activity, if any:

Energy saving bulbs will be used where suitable.

SECTION C: SITE/ AREA/ PROPERTY DESCRIPTION

Important notes:

- For linear activities (pipelines, etc) as well as activities that cover very large sites, it may be necessary to complete this section for each part of the site that has a significantly different environment. In such cases please complete copies of Section C and indicate the area, which is covered by each copy No. on the Site Plan.

Section C Copy No.
(e.g. A):

- Subsections 1 - 6 below must be completed for each alternative.

1. GRADIENT OF THE SITE

Indicate the general gradient of the site.

Alternative S1:

Flat	1:50	—	
	1:20		

Alternative S1:

Flat	1:50	—	
	1:20		

Alternative S2 (if any):

Flat	1:50 — 1:20	1:20 — 1:15	1:15 — 1:10	1:10 — 1:7,5	1:7,5 — 1:5	Steeper than 1:5
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Alternative S3 (if any):

Flat	1:50 — 1:20	1:20 — 1:15	1:15 — 1:10	1:10 — 1:7,5	1:7,5 — 1:5	Steeper than 1:5
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2. LOCATION IN LANDSCAPE

Indicate the landform(s) that best describes the site (Please cross the appropriate box).

Alternative S1 (preferred site):

	Plateau	
--	---------	--

Alternative S2 (if any):

Ridgeline	Plateau	Side slope of hill/mountain	Closed valley	Open valley	Plain	Undulating plain/low hills	Dune	Sea- front
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Alternative S3 (if any):

Ridgeline	Plateau	Side slope of hill/mountain	Closed valley	Open valley	Plain	Undulating plain/low hills	Dune	Sea- front
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3. GROUNDWATER, SOIL AND GEOLOGICAL STABILITY OF THE SITE

Has a specialist been consulted for the completion of this section?

	NO
--	----

If YES, please complete the following:

Name of the specialist:

Qualification(s) of the specialist:

Postal address:

Postal code:

Telephone: Cell:

E-mail: Fax:

Are there any rare or endangered flora or fauna species (including red data species) present on any of the alternative sites?	YES	NO
---	-----	----

If YES, specify and explain:

Are there any special or sensitive habitats or other natural features present on any of the alternative sites?	YES	NO
--	-----	----

If YES, specify and explain:

Are any further specialist studies recommended by the specialist?	YES	NO
---	-----	----

If YES, specify: <input type="text"/>	YES	NO
---------------------------------------	-----	----

If YES, is such a report(s) attached in Appendix D?

Signature of specialist: _____ Date:

Is the site(s) located on any of the following (cross the appropriate boxes)?

	Alternative S1: (if any):	Alternative S2 (if any):	Alternative S3 (if any):		
Shallow water table (less than 1.5m deep)		NO	<table border="1"> <tr> <td>YES</td> <td>NO</td> </tr> </table>	YES	NO
YES	NO				
Dolomite, sinkhole or doline areas		NO	<table border="1"> <tr> <td>YES</td> <td>NO</td> </tr> </table>	YES	NO
YES	NO				

Seasonally wet soils (often close to water bodies)	<input type="checkbox"/>	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO
Unstable rocky slopes or steep slopes with loose soil	<input type="checkbox"/>	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO
Dispersive soils (soils that dissolve in water)	<input type="checkbox"/>	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO
Soils with high clay content (clay fraction more than 40%)	<input type="checkbox"/>	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO
Any other unstable soil or geological feature	<input type="checkbox"/>	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO
An area sensitive to erosion	<input type="checkbox"/>	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO

If you are unsure about any of the above or if you are concerned that any of the above aspects may be an issue of concern in the application, an appropriate specialist should be appointed to assist in the completion of this section. (Information in respect of the above will often be available as part of the project information or at the planning sections of local authorities. Where it exists, the 1:50 000 scale Regional Geotechnical Maps prepared by the Council for Geo Science may also be consulted).

4. GROUND COVER

Has a specialist been consulted for the completion of this section? YES NO

If YES, please complete the following:

Name of the specialist:	<input type="text"/>		
Qualification(s) of the specialist:	<input type="text"/>		
Postal address:	<input type="text"/>		
Postal code:	<input type="text"/>		
Telephone:	<input type="text"/>	Cell:	<input type="text"/>
E-mail:	<input type="text"/>	Fax:	<input type="text"/>

Are there any rare or endangered flora or fauna species (including red data species) present on any of the alternative sites? YES NO

If YES, specify and explain:

Are there any special or sensitive habitats or other natural features present on any of the alternative sites? YES NO

If YES, specify and explain:

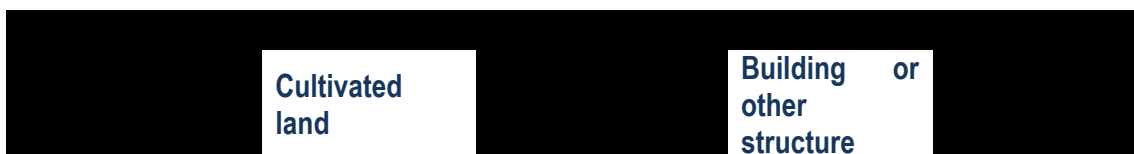
Are any further specialist studies recommended by the specialist? YES NO

If YES, specify:

If YES, is such a report(s) attached in Appendix D? YES NO

Signature of specialist: _____ Date:

The location of all identified rare or endangered species or other elements should be accurately indicated on the site plan(s).



If any of the boxes marked with an “E” is ticked, please consult an appropriate specialist to assist in the completion of this section if the environmental assessment practitioner doesn’t have the necessary expertise.

5. LAND USE CHARACTER OF SURROUNDING AREA

Cross the land uses and/or prominent features that currently occur within a 500m radius of the site and give a description of how this influences the application or may be impacted upon by the application:

Land use character			Description
Natural area		NO	
Low density residential		NO	
Medium density residential		NO	
High density residential		NO	
Informal residential		NO	
Retail commercial & warehousing		NO	
Light industrial		NO	
Medium industrial		NO	
Heavy industrial		NO	
Power station		NO	
Office/consulting room		NO	
Military or police base/station/compound		NO	
Spoil heap or slimes dam		NO	
Quarry, sand or borrow pit		NO	
Dam or reservoir		NO	
Hospital/medical centre		NO	
School/ crèche		NO	
Tertiary education facility		NO	
Church		NO	
Old age home		NO	
Sewage treatment plant		NO	
Train station or shunting yard		NO	
Railway line		NO	
Major road (4 lanes or more)		NO	
Airport		NO	
Harbour		NO	
Sport facilities		NO	
Golf course		NO	
Polo fields		NO	
Filling station		NO	
Landfill or waste treatment site		NO	
Plantation		NO	
Agriculture	YES		Planted pastures (<i>Cynodon Nlemfuensis</i> – commonly known as star grass and <i>Pennisetum Clandestinum</i> – kikuyu grass)
River, stream or wetland		NO	
Nature conservation area		NO	
Mountain, hill or ridge		NO	
Museum		NO	
Historical building		NO	
Protected Area		NO	

Graveyard		NO	
Archaeological site		NO	
Other land uses (describe)		NO	

6. CULTURAL/ HISTORICAL FEATURES

Are there any signs of culturally or historically significant elements, as defined in section 2 of the National Heritage Resources Act, 1999, (Act No. 25 of 1999), including archaeological or palaeontological sites, on or within 20m of the site?

	NO
--	----

If YES, contact a specialist recommended by AMAFA to conduct a heritage impact assessment. The heritage impact assessment must be attached as an appendix to this report.

Briefly explain the recommendations of the specialist:

--

Will any building or structure older than 60 years be affected in any way?

	NO
--	----

Is it necessary to apply for a permit in terms of the National Heritage Resources Act, 1999 (Act 25 of 1999)?

	NO
--	----

If YES, please submit the necessary application to AMAFA and attach proof thereof to this report.

SECTION D: PUBLIC PARTICIPATION

1. ADVERTISEMENT

The person conducting a public participation process must take into account any guidelines applicable to public participation as contemplated in section 24J of the Act and must give notice to all potential interested and affected parties of the application which is subjected to public participation by—

- (a) fixing a notice board (of a size at least 60cm by 42cm; and must display the required information in lettering and in a format as may be determined by the competent authority) at a place conspicuous to the public at the boundary or on the fence of—
 - (i) the site where the activity to which the application relates is or is to be undertaken; and
 - (ii) any alternative site mentioned in the application;
- (b) giving written notice to—
 - (i) the owner or person in control of that land if the applicant is not the owner or person in control of the land;
 - (ii) the occupiers of the site where the activity is or is to be undertaken or to any alternative site where the activity is to be undertaken;
 - (iii) owners and occupiers of land adjacent to the site where the activity is or is to be undertaken or to any alternative site where the activity is to be undertaken;
 - (iv) the municipal councillor of the ward in which the site or alternative site is situated and any organisation of ratepayers that represent the community in the area;
 - (v) the local and district municipality which has jurisdiction in the area;
 - (vi) any organ of state having jurisdiction in respect of any aspect of the activity (as identified in the application form for the environmental authorization of this project); and
 - (vii) any other party as required by the competent authority;
- (c) placing an advertisement in—
 - (i) one local newspaper; or

- (ii) any official *Gazette* that is published specifically for the purpose of providing public notice of applications or other submissions made in terms of these Regulations;
- (d) placing an advertisement in at least one provincial newspaper or national newspaper, if the activity has or may have an impact that extends beyond the boundaries of the metropolitan or district municipality in which it is or will be undertaken: Provided that this paragraph need not be complied with if an advertisement has been placed in an official *Gazette* referred to in subregulation 54(c)(ii); and
- (e) using reasonable alternative methods, as agreed to by the competent authority, in those instances where a person is desiring of but unable to participate in the process due to—
 - (i) illiteracy;
 - (ii) disability; or
 - (iii) any other disadvantage.

Public Participation Information is contained in Appendix E of this Final Basic Assessment Report

2. CONTENT OF ADVERTISEMENTS AND NOTICES

A notice board, advertisement or notices must:

- (a) indicate the details of the application which is subjected to public participation; and
- (b) state—
 - (i) that an application for environmental authorization has been submitted to the KZN Department of Agriculture, Environmental Affairs and Rural Development in terms of the EIA Regulations, 2010;(ii)
 - (iii) a brief project description that includes the nature and location of the activity to which the application relates;
 - (iv) where further information on the application can be obtained; and
 - (iv) the manner in which and the person to whom representations in respect of the application may be made.

3. PLACEMENT OF ADVERTISEMENTS AND NOTICES

Where the proposed activity may have impacts that extend beyond the municipal area where it is located, a notice must be placed in at least one provincial newspaper or national newspaper, indicating that an application will be submitted to the competent authority in terms of these regulations, the nature and location of the activity, where further information on the proposed activity can be obtained and the manner in which representations in respect of the application can be made, unless a notice has been placed in any *Gazette* that is published specifically for the purpose of providing notice to the public of applications made in terms of the EIA regulations.

Advertisements and notices must make provision for all alternatives.

An advertisement has been placed in a local newspaper, *Vryheid Herald*. The advert appeared on Friday, 9 August 2013. A copy of the advertisement placed in the local newspaper, is included in Appendix E of this Final Basic Assessment Report. Notices were also placed on the farm fence and on the notice board at the Municipal office.

4. DETERMINATION OF APPROPRIATE PROCESS

The EAP must ensure that the public participation process is according to that prescribed in regulation 54 of the EIA Regulations, 2010, but may deviate from the requirements of sub-regulation 54(2) in the manner agreed by the KZN Department of Agriculture, Environmental Affairs and Rural Development as appropriate for this application. Special attention should be given to the involvement of local community structures such as Ward Committees, ratepayers associations and traditional authorities where appropriate.

Please note that public concerns that emerge at a later stage that should have been addressed may cause the competent authority to withdraw any authorisation it may have issued if it becomes apparent that the public participation process was inadequate.

5. COMMENTS AND RESPONSE REPORT

The practitioner must record all comments and respond to each comment of the public before this application is submitted. The comments and responses must be captured in a comments and response report as prescribed in the EIA regulations (regulation 57 in the EIA Regulations, 2010) and be attached as Appendix E to this report.

The comments and response report is included as Appendix E of this Final Basic Assessment Report

6. PARTICIPATION BY DISTRICT, LOCAL AND TRADITIONAL AUTHORITIES

District, local and traditional authorities (where applicable) are all key interested and affected parties in each application and no decision on any application will be made before the relevant local authority is provided with the opportunity to give input. The planning and the environmental sections of the local authority must be informed of this application and provided with an opportunity to comment.

Has any comment been received from the district municipality? **NO**

~~If "YES", briefly describe the feedback below (also attach any correspondence to and from this authority with regard to this application):~~

Has any comment been received from the local municipality? **NO**

~~If "YES", briefly describe the feedback below (also attach any correspondence to and from this authority with regard to this application):~~

Has any comment been received from a traditional authority? **NO**

~~If "YES", briefly describe the feedback below (also attach any correspondence to and from this authority with regard to this application):~~

7. CONSULTATION WITH OTHER STAKEHOLDERS

Any stakeholder that has a direct interest in the site or property, such as servitude holders and service providers, should be informed of the application and be provided with the opportunity to comment.

Has any comment been received from stakeholders? [REDACTED] **NO**

If "YES", briefly describe the feedback below (also attach copies of any correspondence to and from the stakeholders to this application):

-

SECTION E: IMPACT ASSESSMENT

The assessment of impacts must adhere to the requirements in the EIA Regulations, 2010, and should take applicable official guidelines into account. The issues raised by interested and affected parties should also be addressed in the assessment of impacts.

The Basic Information Document (BID) was circulated for stakeholder review and comments. A draft copy of the Basic Assessment report was sent to Dept of Water Affairs and despite sending another request for comments – no response was received from DWAF. After further enquiries new contact was made with other recommended officials.

1. ISSUES RAISED BY INTERESTED AND AFFECTED PARTIES

List the main issues raised by interested and affected parties.

No comments were received from neighbouring land owners and we are waiting for responses from official departments.

Response from the practitioner to the issues raised by the interested and affected parties (A full response must be given in the Comments and Response Report that must be attached as Appendix E to this report):

Feedback is provided in Appendix E of this document

2. IMPACTS THAT MAY RESULT FROM THE PLANNING AND DESIGN, CONSTRUCTION, OPERATIONAL, DECOMMISSIONING AND CLOSURE PHASES AS WELL AS PROPOSED MANAGEMENT OF IDENTIFIED IMPACTS AND PROPOSED MITIGATION MEASURES

2.1. IMPACTS THAT MAY RESULT FROM THE PLANNING AND DESIGN PHASE

a. Site alternatives

List the potential impacts associated with site alternatives that are likely to occur during the planning and design phase:

NOTE: The focus of this project is on construction and operation of the plant. The facilities have fixed designs and will be built accordingly at the preferred sites. Therefore there are no impacts associated with the planning and design phases as all building will be done to legislative requirements for abattoirs (in accordance to the Meat Safety Act and Poultry Regulations promulgated under the Meat Safety Act).

Alternative S1 (preferred alternative)

Direct impacts:

Indirect impacts:

Cumulative impacts:

Alternative S2 (if any)

Direct impacts:

Indirect impacts:

Cumulative impacts:

No-go alternative (compulsory)

Direct impacts:

Indirect impacts:

Cumulative impacts:

Indicate mitigation measures to manage the potential impacts listed above:

Alternative S1

Alternative S2

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2.2. IMPACTS THAT MAY RESULT FROM THE CONSTRUCTION PHASE

a. Site alternatives

List the potential impacts associated with site alternatives that are likely to occur during the construction phase:

Alternative S1 (preferred site)

Direct impacts:

Generation of solid waste during construction (building rubble)

Indirect impacts:

No indirect impacts will result in the construction phase of the proposed abattoir at the proposed site on Nooitgedacht farm.

Cumulative impacts:

No cumulative impacts will occur as a result of the proposed poultry abattoir redevelopment at the proposed site on Nooitgedacht farm.

Alternative S2 (if any)

Direct impacts:

Indirect impacts:

Cumulative impacts:

No-go alternative (compulsory)

Direct impacts:

Should no abattoir be constructed, there will be no direct ecological impacts on the environment

but it will negatively impact on the lives of the community members.

Indirect impacts:

Should no abattoir be constructed, there will be no indirect impacts.

Cumulative impacts:

Should no abattoir be constructed, there will be no cumulative impacts.

Indicate mitigation measures to manage the potential impacts listed above:

Alternative S1

Alternative S2

<ul style="list-style-type: none">• Building waste generated will be used to prevent ground erosion.• Topsoil at the abattoir facility footprint should be removed ±300 mm deep and stockpiled separately for landscaping and rehabilitation around the facility after construction.• Erosion control measures should be planned for and implemented to prevent soil erosion at the construction site.	
--	--

b. Process, technology, layout or other alternatives

List the impacts associated with process, technology, layout or other alternatives that are likely to occur during the construction phase (please list impacts associated with each alternative separately):

Poultry meat processing is legislated as far as design and operating practices are concerned (Meat Safety Act (Act 40 of 2000) and Poultry Regulations promulgated under the Act therefore no alternatives can be considered.

Alternative A1 (preferred alternative)

Direct impacts:

None, see above comments.

Indirect impacts:

None, see above comments.

Cumulative impacts:

None, see above comments.

Alternative A2

Direct impacts:

Indirect impacts:

Cumulative impacts:

No-go alternative (compulsory)

Direct impacts:

Should no abattoir be constructed, there will be no direct impacts on the environment but it will negatively impact on the lives of the community due to preventing job opportunities by withholding financial empowerment.

Indirect impacts:

Should no abattoir be constructed it will negatively impact on the lives of the community.

Cumulative impacts:

Should no abattoir be constructed, there will be no direct impacts on the environment but it will negatively impact on the lives of the community due to preventing job opportunities by withholding financial empowerment. No healthy access to meat/poultry will be afforded to the community.

Indicate mitigation measures to manage the potential impacts listed above:

Alternative A1:

Alternative A2:

--	--

2.3. IMPACTS THAT MAY RESULT FROM THE OPERATIONAL PHASE

a. Site alternatives

List the potential impacts associated with site alternatives that are likely to occur during the operational phase:

Alternative S1 (preferred alternative)

Direct impacts:

Abattoir footprint:

Small impact due to small footprint size. The location proposed for the abattoir is on pasture land, impact significance is low.

Indirect impacts:

Aesthetic impact.

Due to the fact that the proposed facilities will be constructed and operated on farm land its aesthetics will integrate with existing farming structures and will therefore have no negative impact.

Cumulative impacts:

No cumulative impacts will occur during operational phase.

Alternative S2 (if any)

Direct impacts:

Indirect impacts:

Cumulative impacts:

No-go alternative (compulsory)

Direct impacts:

No footprint impact (disturbance of surface area).

Indirect impacts:

-

Cumulative impacts:

-

Indicate mitigation measures to manage the potential impacts listed above:

Alternative S1

Alternative S2

Impacts due to site location are seen as negligible.

b. Process, technology, layout or other alternatives

List the impacts associated with process, technology, layout or other alternatives that are likely to occur during the operational phase (please list impacts associated with each alternative separately):

Alternative A1 (preferred alternative)

Direct impacts:

Abattoir:

Waste: Effluent, blood, feathers, gizzard contents.

Indirect impacts:

Mortalities disposal.

Unpleasant Odours

Flies

Rodents

Disease outbreaks

- ☐ Very hygienic conditions and low stress levels of animals will contribute to a healthy environment.
- ☐ When more than 2000 chickens are kept on a specific site, the owner has to be registered at the local State Veterinary and Health Inspector. This inspector has the right to inspect the facilities at any given time.
- ☐ Any suspicious symptoms will immediately be reported to the inspector by the facility operator.

Cumulative impacts:

No cumulative impacts will occur during operational phase as the waste will be removed on a daily basis.

Alternative A2

Direct impacts:

Indirect impacts:

Cumulative impacts:

No-go alternative (compulsory)

Direct impacts:

No meat/protein source - no expansion of employment – no financial upliftment – current poverty level will remain

Indirect impacts:

No meat/protein source - no expansion of employment – no financial upliftment – current poverty level will remain

Cumulative impacts:

No meat/protein source - no expansion of employment – no financial upliftment – current poverty level will remain

Indicate mitigation measures to manage the potential impacts listed above:

Alternative A1

Alternative A2

- Effluent – will be irrigated onto normal and cultivated pastures.
- Feathers will be buried and composted.
- Blood sprayed onto open land and dried to be added to soil.
- Gizzard contents will be mixed with chicken manure and removed by farmers to be used as fertilizer/cattle feed.
- Regularly inspections by the owner as well as the state veterinary;
- Proper disposal of chicken carcasses to prevent distribution of diseases;
- If chicken waste (after slaughtering) is immediately removed from the site no unpleasant smells will occur;
- Monitoring the occurrence of rodents and manage by means of traps.

<ul style="list-style-type: none"> All operations in accordance with Hygiene Management Systems as prescribed by the Meat Safety Act (Act 40 of 2000) 	
--	--

2.4. IMPACTS THAT MAY RESULT FROM THE DECOMMISSIONING OR CLOSURE PHASE

a. Site alternatives

NOTE: Due to the increasing demand for affordable meat (protein/poultry) it is highly unlikely that the development will be decommissioned/closed completely. As such, no direct, indirect and cumulative impacts of the process will occur when the facility stops operations. As limited impacts will be caused by the operation of this proposed plant, closure will not have any negative effects as no waste will be generated and no rehabilitation will be required.

List the potential impacts associated with site alternatives that are likely to occur during the decommissioning or closure phase:

Alternative S1 (preferred alternative)

Direct impacts:

- Reduction in the potential of land if construction areas are not rehabilitated.
- Erosion of soil due to bare surface areas.

Indirect impacts:

- None

Cumulative impacts: None

Alternative S2

Direct impacts:

Indirect impacts:

Cumulative impacts:

No-go alternative (compulsory)

Direct impacts:
Waste and food production will be restored. Community will be benefited financially.

Indirect impacts:
Waste and food production will be restored. Community will be benefited financially.

Cumulative impacts:
Waste and food production will be restored. Community will be benefited financially.

Indicate mitigation measures to manage the potential impacts listed above:

Alternative S1

Alternative S2

<ul style="list-style-type: none"> Demolition of all temporary infrastructures; Ripping of compacted areas; Landscaping; Topsoil replacement, and re-vegetation; Remove all waste materials; Soils to be reinstated in reverse order to ensure correct drainage and rehabilitation; Ensure correct drainage of areas; All the areas disturbed during construction work/operation will be landscaped to a standard similar or better than before on completion of the works before replacement of topsoil. 	
---	--

2.5. PROPOSED MONITORING AND AUDITING

For each phase of the project and for each alternative, please indicate how identified impacts and mitigation will be monitored and/or audited.

Alternative S1 (preferred site)

Alternative S2

The Department of Agriculture as part of their services with regards to meat safety monitoring enforces the poultry regulations which include hygiene management programs for waste control and effluent handling. All abattoirs are audited on a regular basis by the relevant authority.

Alternative A1 (preferred alternative)

Alternative A2

The Department of Agriculture as part of their services with regards to meat safety monitoring enforces the poultry regulations which include hygiene management programs for waste control and effluent handling. All abattoirs are audited on a regular basis by the relevant authority.

3. ENVIRONMENTAL IMPACT STATEMENT

Taking the assessment of potential impacts into account, please provide an environmental impact statement that summarises the impact that the proposed activity and its alternatives may have on the environment after the management and mitigation of impacts have been taken into account, with specific reference to types of impact, duration of impacts, likelihood of potential impacts actually occurring and the significance of impacts.

Alternative S1 (preferred site)

Based on the BA study undertaken, both positive and negative impacts are anticipated as a result of the proposed project. The benefits associated with the proposed project predominantly pertain to the social environment. The direct ecological impacts of the development are considered to be low as the overall footprint of the facilities is relatively small.

The primary findings of the above processes were that the proposed development of the abattoir would probably result in:

- No negative environmental impacts of high significance;
- Potential positive impacts due to increased economic activity, employment and capacity building.

In conclusion, it is believed that this report covers the full suite of potential environmental issues related to the proposed developments, and that sufficient information regarding the identification, assessment and potential mitigation of impacts has been presented to facilitate informed decision making by the appropriate authorities.

Alternative S2

Alternative A1 (preferred alternative)












Based on the BA study undertaken, both positive and negative impacts are anticipated as a result of the proposed project. The benefits associated with the proposed project predominantly pertain to the social environment. The direct ecological impacts of the development are considered to be low as the overall footprint of the facilities is relatively small.

The primary findings of the above processes were that the proposed development of the abattoir would probably result in:

- No negative environmental impacts of high significance;
- Potential positive impacts due to increased economic activity, employment and capacity building.

In conclusion, it is believed that this report covers the full suite of potential environmental issues related to the proposed developments, and that sufficient information regarding the identification, assessment and potential mitigation of impacts has been presented to facilitate informed decision making by the appropriate authorities.

Construction and Operational Phase

 Loss or destruction of fertile topsoil	Low
 Building rubble contaminate immediate environment	Low
 Erosion	Low
 Loss of vegetation	Low
 Visual Impact	Low
 Noise nuisance from construction equipment	Low
 Disease outbreaks	Low
 Unpleasant Odours	Low
 Flies	Low
 Pollution of groundwater/surface water by contaminated water from the abattoir	
Low	
 Rodents	Low

Decommissioning Phase

 Reduction in the potential of land	Low
 Erosion	Low

The preferred alternative was chosen because:

1. The proposed abattoir will form part of the existing farm infrastructure on site;
2. An existing road will be used to gain access to the site;
3. Infrastructure on the site will be centralized to minimize its visual impact;
4. No natural vegetation will need to be disturbed;
5. Management of the site will be eased due to structures in close vicinity to each other on the site.

Alternative A2

No-go alternative (compulsory)

Status quo on the farms will remain if the no-go option is considered.

SECTION F. RECOMMENDATION OF EAP

Is the information contained in this report and the documentation attached hereto in the view of the EAPr sufficient to make a decision in respect of this report?

If "NO", please contact the KZN Department of Agriculture, Environmental Affairs and Rural Development regarding the further requirements for your report.

YES	

If "YES", please attach the draft EMPr as Appendix F to this report and list any recommended conditions, including mitigation measures that should be considered for inclusion in any authorisation that may be granted by the competent authority in respect of the application:

- 1. Facilities should be operated and managed through a operational management plan;**
- 2. The facility must be registered with the state veterinary services;**
- 3. Regular monitoring must be conducted by the local municipal health officer and or Provincial Department of Health;**
- 4. Waste should be managed in accordance with the Environmental Management Plan.**

SECTION G:

The following appendixes must be attached as appropriate:

Appendix A: Site plan (s)

Appendix B: Photographs

Appendix C: Facility illustration (s)

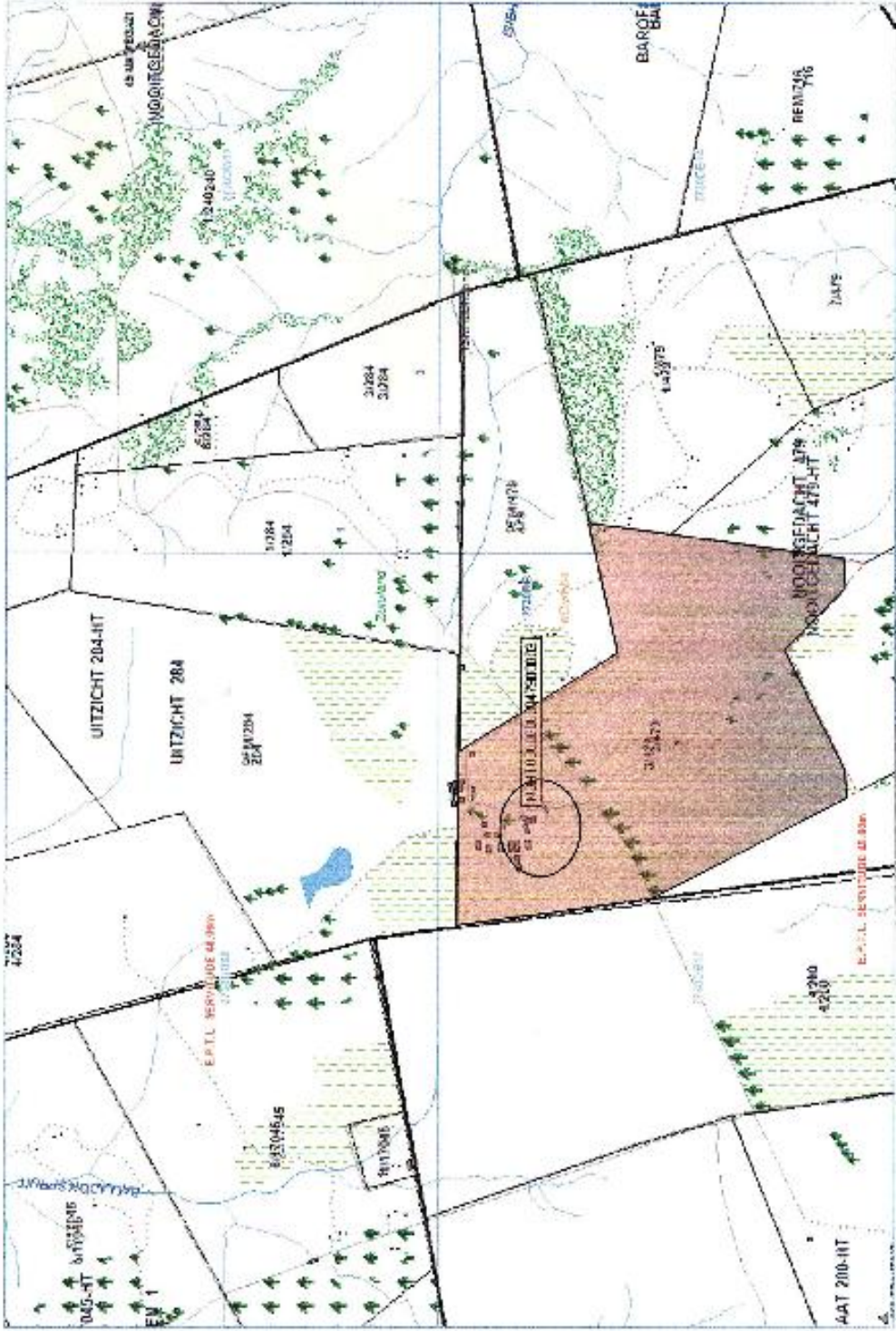
Appendix D: Specialist reports

Appendix E: Comments and responses report

Appendix F: Draft Environmental Management Programme (EMPr)

Appendix G: Other information

APPENDIX A: LOCATION PLANS





Plaas Nootgedacht 479, Gedeelte 3

APPENDIX B: SITE PHOTOS



Proposed site of existing abattoir structure at Nooitgedacht Farm



Access Road for proposed abattoir at Nooitgedacht



East – proposed abattoir at Nooitgedacht



North – proposed abattoir at Nooitgedacht



North East – proposed abattoir at Nooitgedacht



North West – proposed abattoir at Nooitgedacht



South East – proposed abattoir at Nooitgedacht



South – proposed abattoir at Nooitgedacht



South West – proposed abattoir at Nooitgedacht

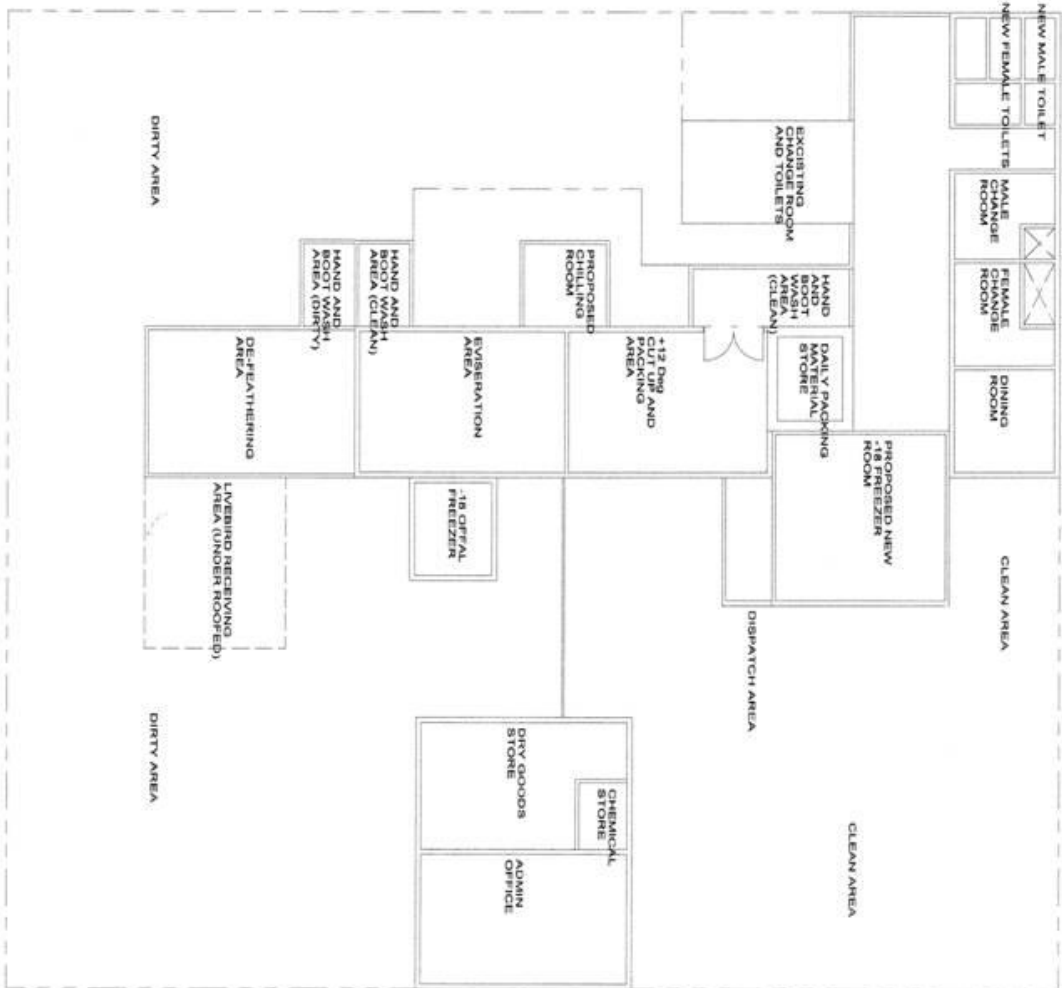


West – proposed abattoir at Nooitgedacht



Vegetation at abattoir site, Nooitgedacht

APPENDIX C: FACILITY ILLUSTRATIONS



CLIENT:
**LUITZICHT
 POLTARY
 ABATTOIR
 VRYHEID**

PROPOSED CHANGES TO
 POLTARY ABATTOIR
 AT VRYHEID

PROPOSED BUILDING
 CHANGES PER 1

DATE: 11/11/2011

SCALE: 1:100

**JAN VAN DER MERWE
 CONSULTANTS**

Cell: 082 287 2468
 Email: jmvdmerwede@gmail.com

NOTES:

1. RE-USE OF EXISTING EQUIPMENT AND MATERIALS TO BE DETERMINED AFTER THE CONSTRUCTION WITH THE CONTRACTOR.
2. ALL HANDBOY WASH BARRIERS TO BE INSTALLED AS PER THE MEAT SAFETY ACT 47 OF 2000 AND THE REGULATIONS THEREUNDER.
3. ALL HANDBOY WASH BARRIERS TO BE INSTALLED AS PER THE MEAT SAFETY ACT 47 OF 2000 AND THE REGULATIONS THEREUNDER.
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10. ALL HANDBOY WASH BARRIERS TO BE INSTALLED AS PER THE MEAT SAFETY ACT 47 OF 2000 AND THE REGULATIONS THEREUNDER.

SEE ATTACHED KEY FOR FURTHER DETAILS FROM 1 TO 30 TO EXPLAIN PROCESSING FLOW

**DO NOT SCALE
 SCALE: 1 : 100**

APPENDIX D: SPECIALIST REPORTS

None

APPENDIX E: PUBLIC PARTICIPATION

Public Participation:

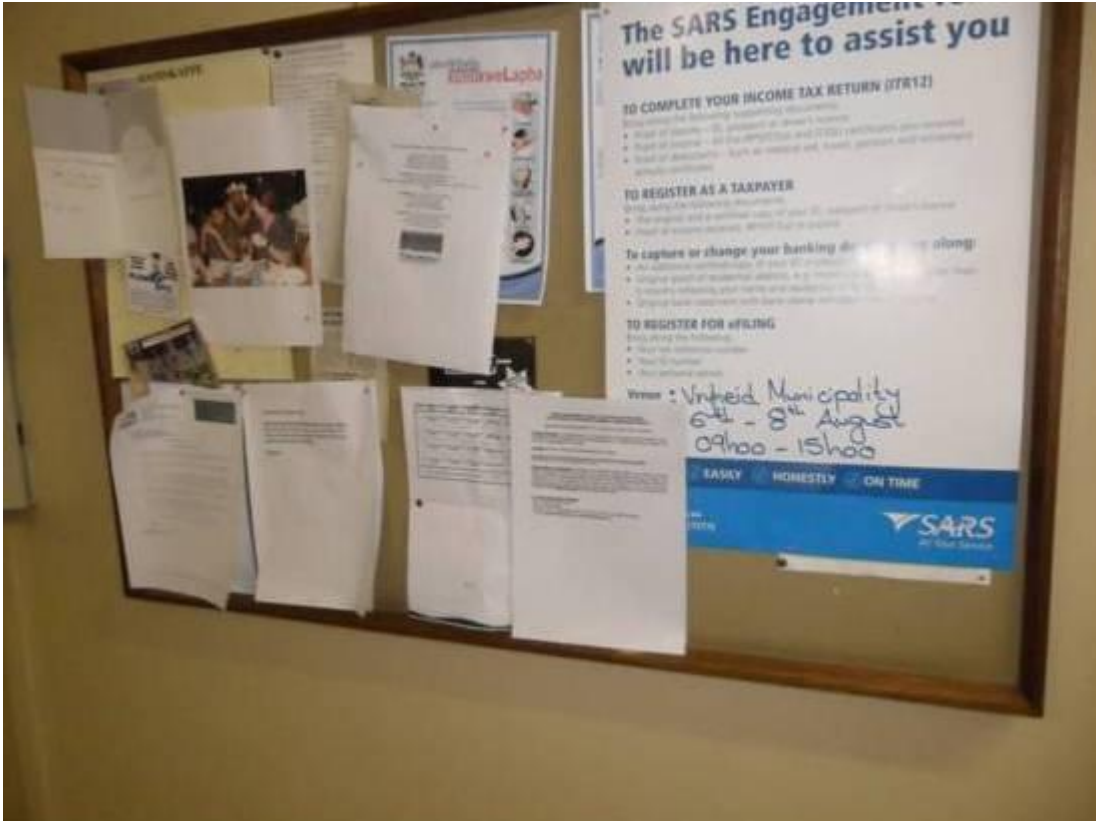
1. Placement of an advertisement in the Vryheid Herald placed on the 9th of August 2013.
2. Placement of site notices.
3. Preparation of a Back Ground Information Document (BID).
4. BID document sent to Ward Counsellor.
5. BID document sent to surrounding landowners.
6. Draft basic assessment report sent to Department of Water Affairs.
7. Back Ground Information Document sent to Local Municipality.

Authorities		Comments
Amafa Akwa Zulu Natal	Bernedat Pawandiwa 033-3946543 lindin@amafapmb.co.za	Online application submitted
Zululand District Municipality	Mr Stefan Landman slandman@zululand.org.za 035-8745617	Correspondence via email (appendix G) – no response
Ezemvelo KZN Wildlife (for biodiversity issues)	Mr D Wieners 033-8451455 eia@kznwildlife.com	Correspondence via email (appendix G) –
Abaqulusi Local Municipality	Ms P Mthethwa LED Manager Secretary: Alet Swanepoel information@abaqulusi.gov.za pmthethwa@abaqulusi.gov.za 034-9822133	Email sent (appendix G) – no response – secretary requested official to respond – no response yet
DWAF	Mr Phillips Mr S Buthelezi 031-3362781/0810368761 Buthelezi2@dws.gov.za	No response In communication
Bilanyoni Community Trust	Mr M Mthethwa	Letter of confirmation of ownership and supporting application
Agriculture Veterinary Section	Mark Naicker	Oral communication and provision of waste management plan. The Dept of Veterinary Services Inspectorate, has to approve all plans for abattoirs and are responsible for ensure correct implementation of abattoir and slaughter hygiene according to legislation.
Ward counsellor	Mr Zungu P O Box X 1366, Vryheid 3100 (cell phone 0732034950)	No comments received

Surrounding landowners		Comments
Mr Xagasa	P O Box 1654, Vryheid 3100	No comments received
Mlindaziko, Mrs Buthelezi	P O Box 1303, Vryheid 3100	No comments received
John Khubeka	P O Box 10341, Vryheid 3100	No comments received



Site notice placed at entrance gate, Nooitgedacht



Notice placed at local municipality

**BASIC ASSESSMENT PUBLIC PARTICIPATION PROCESS
DEPARTMENTAL REFERENCE NUMBER: KZN/EIA/0001182/2013**

PROPOSED ESTABLISHMENT OF A POULTRY ABATTOIR, VRYHEID

Project Proposal: The development of a proposed low throughput poultry abattoir (daily throughput 2500 broilers/poultry) and the development of 7 poultry houses on portion 3 of the farm, Nooitgedaght 479, Vryheid.

Location: Portion 3 of the farm Nooitgedaght 479, Vryheid

Application for environmental authorization to undertake the following activities:
EIA activities: LN 1: 3(i) & 5(ii) GN No. R. 544

Opportunity to participate: Interested and Affected Parties (I&AP) are invited to provide written comments. I&APs should refer to the above departmental reference number, and must provide their comments together with their name, contact detail (preferred method of notification, e.g. e-mail address or fax number) and an indication of any direct business, financial, personal or other interest which they have in the application to the contact person indicated below **within 40 days** from the date of this notice.

For more information contact:

Dr. H. Roberts / Mr A Scott

Tartan Technologies

PO Box 11531, Universitas, 9321, Tel: 051- 5073122, Fax: 086 510 0836,

e-mail: tartantech@gmail.com / drrobertsh@gmail.com

CERTIFICATE OF PUBLICATION

From:



P.O. Box 1840
Vryheid
3100

WE CERTIFY THAT YOUR
ADVERTISEMENT REGARDING
Notice

WHICH IS ATTACHED, APPEARED
IN THE VRYHEID HERALD ON
9-8-2013

REF. INV. NO.: VN 38952

Signed for the Vryheid Herald

ADVERTISEMENT

NOTICE: BASIC ASSESSMENT PUBLIC PARTICIPATION PROCESS
DEPARTMENTAL REFERENCE NUMBER:
DC260003/2013: KZ/NEIA/009/1162/2013

PROPOSED ESTABLISHMENT OF A DOTTI TRY
ABATTOIR, VRYHEID

PROJECT PROPOSAL - The development of a proposed low throughput poultry abattoir facility throughout 2500 broilers poultry and the establishment of 7 poultry houses on the Remainder of the Farm No. 479, Vryheid.

LOCATION:
Remainder of the Farm No. 479, Vryheid.
APPLICATION FOR ENVIRONMENTAL AUTHORISATION TO UNDERTAKE THE FOLLOWING ACTIVITIES: Activities: EN 1, 301 & 301.1.3.1.4.4.

OPPORTUNITY TO PARTICIPATE: Interested and Affected Parties (I&AP) are invited to provide written comments. I&APs should refer to the above departmental reference number, and must provide their comments together with their name, contact details (telephone, e-mail, address, fax number) and a declaration of any direct business, financial, personal or other interest which they have in the application to the contact person indicated below WITHIN 40 DAYS from the date of this notice.

FOR MORE INFORMATION CONTACT:

Dr. H. Roberts
Tatani Technologies cc
P.O. Box 11531, University 9321
Tel: 084 5501 821, Fax: 0855 10000,
e-mail: drh@tatani.com / hroberts@tatani.com

5-BAHEFFC ARD/11/AA/00
212 HILKINA STREET, VRYHEID 3130

NOTICE: BASIC ASSESSMENT PUBLIC PARTICIPATION PROCESS
DEPARTMENTAL REFERENCE NUMBER:
DC26X008/2013: KZNE/IA/0011822913

PROPOSED ESTABLISHMENT OF A POULTRY ADA, TOIR, VRYHEID

PROJECT PROPOSAL: The development of a proposed low throughput poultry abattoir (highly throughput 2500 broilers/poultry) and the establishment of 2 poultry houses on the Randsburg of the Farm Kooledoort 479, Vryheid.

LOCATION:

Randsburg of the Farm Kooledoort 479, Vryheid.
APPROVATION BY THE ENVIRONMENTAL AUTHORITY TO UNDERTAKE THE FOLLOWING ACTIVITIES: DA advised UN 1.3(i) & 5(ii) ON 16/08/2012.
OPPORTUNITY TO PARTICIPATE: interested and affected Parties (ISAP) are invited to provide written comments. ISAPs should refer to the above departmental reference number, and must provide their comments together with their name, contact details (preferred method of contact, e.g. e-mail address or fax number) and an indication of any direct business, financial, personal or other interest which they have in the application of the contract person indicated below **WITHIN 40 DAYS** from the date of this notice.

FOR MORE INFORMATION CONTACT:

Dr. H. Roberts
Tarrant Technologies
PO Box 11931, Unisa street, 3001
Tel: 084 5506 621, Fax: 085 100038
e-mail: drh@tarrant.com / tarranttech@gmail.com

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Background Information Document

**PROPOSED DEVELOPMENT OF A POULTRY ABATTOIR AND
BROILER HOUSES, ON NOOITGEDAGHT FARM, VRYHEID,
SITUATED IN KWAZULU NATAL
ENVIRONMENTAL IMPACT ASSESSMENT**

Background Information Document

Purpose of this document is to

- Provide an overview of the basic assessment which is part of an environmental impact assessment process (EIA) for Bilanyoni Community Trust (Mentor Mr A van Heerden) of the farm Nooitgedaght, Vryheid who is proposing to develop a poultry abattoir and facilities on the farms, Nooitgedaght.
- Invite you as an Interested and Affected Party (I&AP) to participate in the EIA process; and

INTRODUCTION

Mr A van Heerden, the Mentor of Bilanyoni Community Trust, would like to develop a poultry abattoir and poultry houses on the above-mentioned farm. This development will comply with all the necessary legislative requirements and processes.

Due to the fact that unemployment is rife in our country this initiative aims to assist beneficiaries to start a business and develop it sustainably over time. This abattoir project and its associated infrastructure will do just that, including providing local workers with employment and it is envisaged to include the families residing and who is part of the Bilanyoni Community as shareholders who will profit financially in the business. In order to abide by legislative requirements an application for environmental authorization has been submitted to the Department of Agriculture, Environmental Affairs and Rural Development, KwaZulu Natal.

PROJECT DESCRIPTION

The project will include the development of a new poultry abattoir, with its associated infrastructure and the development of 7 poultry houses on the farm Nooitgedaght, Vryheid.

The abattoir facility will be able to slaughter 2500 broilers daily.

The site is located in the agricultural area of Vryheid.

THE EIA PROCESS

In accordance with the National Environmental Management Act, Act 107 of 1998 an EIA needs to be undertaken and compiled and must be approved by the Department of Agriculture, Environmental Affairs and Rural Development, KwaZulu Natal before the proposed activities can commence. The activity relates to the concentration of poultry as listed in the EIA Regulations (GN R. 544) promulgated under the National Environmental Management Act (Act 107 of 1998) (NEMA) requires an Basic Assessment to be undertaken as part of the approval process. An application has been submitted under NEMA for inter alia the following activity:

GN R. 544 activity no. 3(i): The construction of facilities of infrastructure for the slaughter of animals with a product throughput of:

- Poultry exceeding 50 poultry per day.

GN R. 544 activity no. 5(ii): The construction of facilities or infrastructure for the concentration of:

- More than 5000 poultry per facility situated outside an urban area, excluding chicks younger than 20 days.

The aim of the EIA process is to identify and assess the potential impacts associated with the proposed project and to develop measures through which potential negative biophysical and socio-economic impacts can be mitigated and positive benefits can be enhanced. The EIA will ensure that all issues are integrated into the lifecycle of the different poultry projects. This will occur during the planning, construction, and operation phases. The EIA process culminates in the compilation of a Basic Assessment Report. The EIA involves the

assessment of the probable environmental impacts that will potentially be caused by the development, and operation of the facilities.

The EIA process will provide the authorities and I&APs with clear, accurate and understandable information about the expected environmental impacts associated with the proposed project.

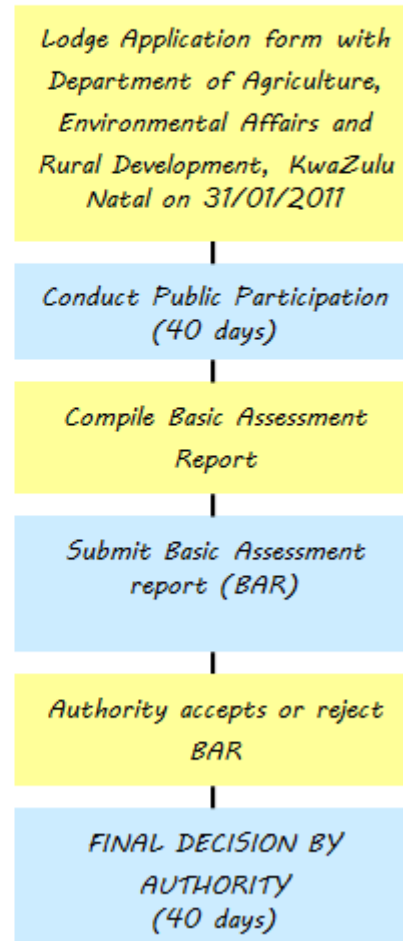


Figure 1: EIA Timeframes according to GN R 543

PUBLIC PARTICIPATION

Who are the Interested and Affected Parties (I&APs)?

I&APs are the persons who will be directly or indirectly involved and/or affected by the project.

Your role as I&AP is to:

- Register with the environmental consultants, who will include you on a database of I&APs in order for you to receive future project information and/or formally record issues and concerns; and
- Contact the consultants to obtain further information and / or raise issues and concerns.

Availability of Reports

The future environmental reports associated with this project will include the Basic Assessment Report and will be submitted to the Dept. of Agriculture, Environmental Affairs and Rural Development and other relevant Government Departments on completion. At the same time this report will be made available to the public for comments for a period of 40 days. All registered I&APs will be informed of the availability of this report prior to it being made available.

Contact Details

Should you have any queries, comments or concerns, please contact the consultant listed below.

CONTACT PERSON: Dr Roberts,
Tartan Technologies

Tel: 051-507 3122
Fax: 0865036166
E-mail: drobertsh@gmail.com

Postal Address: P.O. Box 11531,
Universitas, 9321

How to comment

Comments, questions or issues, which you wish to raise, can be made by in writing (sent to us by fax, e-mail or post). A comment sheet is attached. It is not essential that you submit comments, but please ensure that you provide us with your name, contact details and interest in the project.

Interested and Affected Party Comments Form

PROPOSED DEVELOPMENT OF A POULTRY ABATTOIR AND BROILER HOUSES,
NOOITGEDAGHT FARM, VRYHEID

ENVIRONMENTAL IMPACT ASSESSMENT

Notice is given in terms of Regulation 54 of the regulations published in Government Notice No. R. 543 in Government Gazette No. 33306 of 18 June 2010 under the National Environmental Management Act (Act No. 107 of 1998) of intent to carry out the following activity:

The applicant Mr A van Heerden (Bilanyoni Community Trust) is proposing to develop an abattoir capable of slaughtering 2500 chickens daily, and will take place at a site on the Brakspruit Farm, Vryheid. This development will comply with all the necessary legislative requirements and processes.

This activity is listed as:

3(i): The construction of facilities of infrastructure for the slaughter of animals with a product throughput of: Poultry exceeding 50 poultry per day and

5(ii): The construction of facilities or infrastructure for the concentration of: more than 5000 poultry per facility situated outside an urban area, excluding chicks younger than 20 days.

A public consultation process forms an integral component of this EIA process.

You are kindly requested to complete the comments form and give any comment/concern or input with regard to the environment that you may have, on the proposed development. If we do not receive any comments from you within 40 days we will accept that you do not have any objections against the project.

Name/Naam	
Organisation/Instansie	
Address/Adres	
Tel	
Fax/Faks	
E-mail/E-pos	

Comments/ Opmerkings:

Please return this form to:

Dr Hester Roberts
Tartan Technologies
P.O. Box 11531,
Universitas, 9321

Tel: 051-5073122
E-mail: drobertsh@gmail.com
Fax: 0865100836

Comments form

TARTAN TECHNOLOGIES

PO Box 11531, Universitas, 9321

Fax: 086 510 0836

Cell: 0845500621/0762020129

16 August 2013

Mr Xagasa
Mkhutali Community Trust
PO Box 1654
Vryheid
3100

Dear Sir

Environmental Impact Assessment Application for an abattoir and broiler houses, Nooitgedaght Farm, Vryheid

Attached herewith you will find a Background Information Document and a comment form for your completion. We have been appointed by Mr A. van Heerden who is assisting Bilanyoni Community Trust, to conduct an Environmental Impact Assessment for the development of an abattoir and broiler houses on the Nooitgedaght Farm, Vryheid. Our request for your comments forms part of the public participation process as prescribed by the Environmental Impact Assessment Regulations.

The mentioned project includes the development of an abattoir that will be able to slaughter 2500 chickens daily. This projects aims to uplift the farming community in the Bilanyoni Community and Vryheid areas, Vryheid by creating employment through development and operation of the facilities.

Your comments on the project will be appreciated. Should you have any queries, please do not hesitate to contact me.

Regards

.....
Dr Hester Roberts / Mr A Scott
Environmental Management
Cell: 084 55 00621
E-mail: drobertsh@gmail.com / tartantech@gmail.com

Example of letter sent to surrounding land owners

TARTAN TECHNOLOGIES

PO Box 11531, Universitas, 9321

Fax: 086 510 0836

Cell: 0845500621/0762020129

16 August 2013

Mr John Khubeka
PO Box 10341
Vryheid
3100

Dear Mr Khubeka

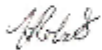
Environmental Impact Assessment Application for an abattoir and broiler houses, Nooitgedacht Farm, Vryheid

Attached herewith you will find a Background Information Document and a comment form for your completion. We have been appointed by Mr A. van Hoordon who is assisting Bilanyoni Community Trust, to conduct an Environmental Impact Assessment for the development of an abattoir and broiler houses on the Nooitgedacht Farm, Vryheid. Our request for your comments forms part of the public participation process as prescribed by the Environmental Impact Assessment Regulations.

The mentioned project includes the development of an abattoir that will be able to slaughter 2500 chickens daily. This projects aims to uplift the farming community in the Bilanyoni Community and Vryheid areas, Vryheid by creating employment through development and operation of the facilities.

Your comments on the project will be appreciated. Should you have any queries, please do not hesitate to contact me.

Regards



.....
Dr Hester Roberts / Mr A Scott
Environmental Management
Cell: 084 55 00621
E-mail: drobertsh@gmail.com / tartantech@gmail.com

REGISTERED LETTER GEREGISTREERDE BRIEF <small>(with an insurance option/ met 'n verskeringsopsie)</small>		Postage paid R _____ C Service fee / Diensoord R _____ C Insurance / Versekering R _____ C Total / Totaal R <u>19.60</u> C	
Full tracking and tracing/Volledige volg en spoor Addressed to/Bestemming: <u>Mr S. SITHOLE</u> <u>Box 1303</u> <u>WITBOS 3160</u>		Insured value of contents Verskerde waarde van inhoud R _____ C Freight charge Toll-free number Telvry nommer 0800 111 502	
<small>The insured value of the letter is subject to a maximum of R1000.00. The insured value of the letter is subject to a maximum of R1000.00. The insured value of the letter is subject to a maximum of R1000.00.</small>		 	

REGISTERED LETTER GEREGISTREERDE BRIEF <small>(with an insurance option/ met 'n verskeringsopsie)</small>		Postage paid R _____ C Service fee / Diensoord R _____ C Insurance / Versekering R _____ C Total / Totaal R <u>19.60</u> C	
Full tracking and tracing/Volledige volg en spoor Addressed to/Bestemming: <u>Ms L. LANGE</u> <u>Box 1366</u> <u>WITBOS 3160</u>		Insured value of contents Verskerde waarde van inhoud R _____ C Freight charge Toll-free number Telvry nommer 0800 111 502	
<small>The insured value of the letter is subject to a maximum of R1000.00. The insured value of the letter is subject to a maximum of R1000.00. The insured value of the letter is subject to a maximum of R1000.00.</small>		 	

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Full tracking and tracing/Volledige volg en spoor Addressed to/Bestemming: <u>Mr XAGASO</u> <u>Box 1654</u> <u>WITBOS 3160</u>		Insured value of contents Verskerde waarde van inhoud R _____ C Freight charge Toll-free number Telvry nommer 0800 111 502	
<small>The insured value of the letter is subject to a maximum of R1000.00. The insured value of the letter is subject to a maximum of R1000.00. The insured value of the letter is subject to a maximum of R1000.00.</small>		 	

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Full tracking and tracing/Volledige volg en spoor Addressed to/Bestemming: <u>J. T. MONELA</u> <u>Box 81</u> <u>WITBOS 3160</u>		Insured value of contents Verskerde waarde van inhoud R _____ C Freight charge Toll-free number Telvry nommer 0800 111 502	
<small>The insured value of the letter is subject to a maximum of R1000.00. The insured value of the letter is subject to a maximum of R1000.00. The insured value of the letter is subject to a maximum of R1000.00.</small>		 	

REGISTERED LETTER GEREGISTREERDE BRIEF <small>(with an insurance option/ met 'n versekeringsopsie)</small>		Postage paid R _____ Service fee / Diensgeld R _____ Insurance / Verzekering R _____ Total / Totaal R <u>19.60</u>	
Full tracking and tracing / Volledige volg en spoor Addressed to / Gerigter aan <u>B-S NTANZI</u> <u>PO Box 27</u> <u>Uthmaniyah</u> <u>3110</u> Postcode / Postkode		Insured value of contents / Verzekerde waarde van inhoud R _____ Enquiry number / Toelreeksnommer <u>0800 111 502</u> Toll free number / Toelreksnommer Telery number / Toelreksnommer	
<small>Die waarde van die inhoud van die brief word nie verseker as gevolg van die feit dat dit nie in 'n verskeringspolis opgeneem is nie. Die waarde van die inhoud van die brief word nie verseker as gevolg van die feit dat dit nie in 'n verskeringspolis opgeneem is nie. Die waarde van die inhoud van die brief word nie verseker as gevolg van die feit dat dit nie in 'n verskeringspolis opgeneem is nie.</small>		REGISTERED LETTER <small>with an insurance option/ met 'n versekeringsopsie</small> 0800 111 502 CUSTOMER COPY	
		21 AUG 2013 3324	

REGISTERED LETTER GEREGISTREERDE BRIEF <small>(with an insurance option/ met 'n versekeringsopsie)</small>		Postage paid R _____ Service fee / Diensgeld R _____ Insurance / Verzekering R _____ Total / Totaal R <u>19.60</u>	
Full tracking and tracing / Volledige volg en spoor Addressed to / Gerigter aan <u>MR JOHN MUDGEE</u> <u>PO Box 341</u> <u>Uthmaniyah</u> <u>3110</u> Postcode / Postkode		Insured value of contents / Verzekerde waarde van inhoud R _____ Enquiry number / Toelreeksnommer <u>0800 111 502</u> Toll free number / Toelreksnommer Telery number / Toelreksnommer	
<small>Die waarde van die inhoud van die brief word nie verseker as gevolg van die feit dat dit nie in 'n verskeringspolis opgeneem is nie. Die waarde van die inhoud van die brief word nie verseker as gevolg van die feit dat dit nie in 'n verskeringspolis opgeneem is nie. Die waarde van die inhoud van die brief word nie verseker as gevolg van die feit dat dit nie in 'n verskeringspolis opgeneem is nie.</small>		REGISTERED LETTER <small>with an insurance option/ met 'n versekeringsopsie</small> 0800 111 502 CUSTOMER COPY	
		21 AUG 2013 3324	

REGISTERED LETTER GEREGISTREERDE BRIEF <small>(with an insurance option/ met 'n versekeringsopsie)</small>		Postage paid R _____ Service fee / Diensgeld R _____ Insurance / Verzekering R _____ Total / Totaal R _____	
Full tracking and tracing / Volledige volg en spoor Addressed to / Gerigter aan <u>MR A Hertzog</u> <u>Uitvalst April Products Pty</u> <u>PO Box 1654</u> <u>Vryheid</u> <u>3100</u> Postcode / Postkode		Insured value of contents / Verzekerde waarde van inhoud R _____ Enquiry number / Toelreeksnommer <u>0800 111 502</u> Toll free number / Toelreksnommer Telery number / Toelreksnommer	
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		13 MAY 2013 3321	

TAX INVOICE

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 South African Post Office Limited
 Branch F

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 Seller No: 0857 01000000

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 VAT DOES NOT APPLY TO ITEMS MARKED *

Receipt for SA Post Office
 Products or Services

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Sub Total				R17.60
VAT TOTAL 214%				R14.44
Total				R32.00
Cash				R21.00
Change				-R0.40

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South African Post Office Limited
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 Teller Id : 40008306

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 ALL PRICES VAT INCLUSIVE
 VAT DOES NOT APPLY TO ITEMS MARKED *

Receipt for SA Post Office
 Products or Services

PRODUCT	QTY	R AMOUNT
REGISTERED DISTANCE 0-1000 km weight 0-1 kg weight/kg 0.050		19.60
SUBTOTAL		R19.60
VAT TOTAL x 14 %		R2.41
TRANSACTION TOTAL		R19.60
CASH (1)		R21.00
CHANGE (1)		-R0.40
CHANGE		R0.40
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APPENDIX F: DRAFT EMP

Draft Environmental Management Plan

Development and Operation of a Poultry Abattoir at Nooitgedacht Farm, Vryheid

**Environmental Management Plan Submitted in Terms of the
National Environmental Management Act, Act 107 of 1998,
Regulations 544, Section 33**

For Mr A van Heerden for Bilanyoni Community Trust, Vryheid.

By

Dr Roberts for Tartan Technologies

TARTAN TECHNOLOGIES



Registration no. B2009002798

P.O. Box 11531, Universitas,

Bloemfontein, 9321

Tel: +27 84 5500 621 / +27 76 2020129

Email: drrobertsh@gmail.com / tartantech@gmail.com

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1. INTRODUCTION

The following Draft EMP has been developed to enable Mr A van Heerden (assisting Mr A van Heerden for Bilanyoni Community Trust) to meet its environmental obligations in line with section 33 Regulations 544 of the National Environmental Management Act, Act 107 of 1998. It describes the managing of actions during the different phases of this project to minimize negative environmental impacts, and forms an integral part of this Environmental Impact Assessment (EIA).

The environmental management plan provides systematic and explicit mitigation and monitoring measures for the proposed abattoir to ensure that they are implemented during the construction and operational phases of the project. It also mandates the company to internalise the environmental impacts that would otherwise be a social cost. The EMP further enables authorities to check the practicality and likelihood of implementation of mitigation and monitoring measures.

2. OBJECTIVES OF THE EMP

The Environmental Management Program is intended to provide environmental specifications for the implementation of the project and to put measures in place to mitigate and manage potential environmental impacts arising from the phases of the development.

The specific aim of this EMP is to:

- Guide and control construction activities relating to the construction of the poultry abattoir in order to minimize negative environmental impacts during construction.
- To provide explicit operational guidelines and monitoring requirement during the operational phases for activities associated with slaughtering that are environmentally responsible and economically viable.
- To enable Mr A van Heerden for Bilanyoni Community Trust members to use resources efficiently and effectively during the project lifecycle in order to reduce wastage thereby reducing associated negative environmental impacts. In addition the aim is also to handle waste streams responsibly and apply the 'reduce, re-use and recycle' principle, wherever possible.
- To ensure a post decommissioning land rehabilitation are agreed upon land use at closure, that all supports vegetation growth, is erosion resistant and has long term sustainability.

3. IMPLEMENTATION OF THE EMP

3.1 ROLES AND RESPONSIBILITIES.

A number of potential environmental impacts, mitigatory measures and environmental management controls are laid out in this document. The implementation of the EMP requires the involvement of several stakeholders, each

fulfilling a different but vital role to ensure sound environmental management during the whole life cycle of this project. The key roles for the successful implementation of the mitigation of the project are those of the project proponent, the designate environmental control officer and the provincial department of environmental affairs.

The project proponent – Mr A van Heerden (for Mr A van Heerden for Bilanyoni Community Trust)

It is the responsibility of the project proponent – Mr A van Heerden (for Bilanyoni Community Trust) to ensure that this EMP is fully implemented. The applicant shall ensure that competent people are employed on the project and where necessary institute a skills development program to ensure that the required levels of competency is attained. The duties and responsibility of all employees working on site should include environmental responsibilities pertaining to their work.

Designated Environmental Officer (DEO)

It is suggested that Mr A van Heerden appointed a competent individual on-site or that a competent individual be appointed as a Designated Environmental Officer (DEO). The DEO must be appropriately trained in environmental management and must possess the skills necessary to impart environmental management to all personnel involved during the operational phase. The DEO will be responsible for overseeing the internal compliance with the EMP requirements and ensuring that the environmental specifications are adhered to. The DEO will be responsible for keeping detailed records of all site activities that may pertain to the environment associated with the project.

3.2 REVIEWING AND AUDITING

The day-to-day monitoring and verification that the EMP is being adhered to shall be undertaken by Mr A van Heerden for Bilanyoni Community Trust and the DEO so appointed. Mr A van Heerden shall establish an internal review procedure to monitor the progress and implementation of the EMP. Mr A van Heerden should engage an independent environmental auditor once every year to check compliance with the EMP and to identify and recommend areas for improvements in line with emerging technologies.

3.3 NON-COMPLIANCE WITH THE EMP

Any non-compliance with the EMP will be treated as serious. Liability rests with the developer who is Mr A van Heerden (for Bilanyoni Community Trust) for non-compliance with the EMP. Mr A van Heerden shall implement an internal management system to ensure that all employees comply with the requirement of the EMP.

4. ENVIRONMENTAL AWARENESS TRAINING

The successful implementation of the EMP is hinged on adequate environmental awareness training of employees. Mr A van Heerden (for Bilanyoni Community Trust) shall ensure that adequate environmental awareness training of personnel takes place and that all construction workers receive an induction presentation on

the importance and implications of the EMP. All operational staff should be provided with environmental awareness training and employees who require specialised training in line with the nature of their job should be provided such training. The presentation shall be conducted, as far as is possible, in the employees' language of choice. As a minimum, training should include:

- Making employees aware that everyone has a right to a clean environment and that everyone has a responsibility to protect the environment.
- Explanation of the importance of complying with the EMP.
- Discussion of the potential environmental impacts of operational activities and mitigation measures that must be implemented when carrying out activities.
- Explanation of the management structure of individuals responsible for matters pertaining to the EMP.
- Employees' roles and responsibilities, including emergency preparedness.
- Explanation of the specifics of the EMP and its specification.

Training can be done either in a written or verbal format but will be in an appropriate format for the receiving audience. People having received training must indicate in writing that they have indeed attended a training session.

5. RECORD OF ACTIVITIES

The DEO shall keep a record of activities on site, including but not limited to the compliance with the Construction EMP. The records include but are not limited to:

- Environmental awareness and training records.
- Details of inspections and audits conducted and corrective action taken.
- Details of complaints from interested and affected parties and responses provided.
- Records of environmental measurements and monitoring done that is mentioned in the environmental monitoring program.
- Internal and external meetings and reviews and any communication with authorities related to environmental management of the project.
- Photographic record of progress on site from an environmental perspective.
- Environmental Incidents and Accidents records.

6. DESIGN AND PROCEDURES OF MITIGATION CONTROL MEASURES

The mitigation measures are designed in order to either eliminate or minimise the environmental impacts of the operation of the abattoir. Mr A van Heerden (for Bilanyoni Community Trust) shall use all its resources efficiently such that the impacts associated with the resources usages. For all its waste streams, the company shall use the, reduce, re-use and recycle philosophy.

To ensure that Mr A van Heerden (for Bilanyoni Community Trust) manages all the environmentally sensitive aspects of the operation adequately, the company shall ensure that Method Statements are written to enable uniformity in handling activities.

The Method Statements must contain sufficient information and detail to mitigate the potential impacts of the operation on the environment. Employees will also need to thoroughly understand what is required in order to undertake the work. Work shall not commence until Method Statements have been are in place. As a minimum requirement, the following Method Statements are required:

MS1: Disposal of building rubble

MS2: Solid waste management

MS3: Waste water and effluent (Liquid waste management)

The measures to eliminate, and reduce the impacts of the abattoir are detailed in the environmental monitoring tables that follow. For all working areas, adequate protective equipment must be provided in line with the Occupational Health and Safety Act and the Meat Safety Act.

7. HANDLING OF EMERGENCIES

- Mr A van Heerden (for Bilanyoni Community Trust) shall identify all situations that can lead to emergency situations and provide response strategies. These should include but are not limited to fire.
- Contact details of all departments/service providers to be contacted in case of an emergency shall be made available to employees.
- Equipment for dealing with emergencies such as fire fighting equipment, first aid boxes etc shall be made available and personnel properly trained in its use.
- All staff on site should be trained on how to handle emergency situations and emergency drills/ rehearsals should be conducted periodically to ensure that staff is adequately prepared.

8. ENVIRONMENTAL MONITORING SCHEDULE

8.1 SECTION I: CONSTRUCTION

MITIGATION CONTROL MEASURE	MONITORING FREQUENCY	MONITORING METHOD	DATA CAPTURE & INDICATORS	RESPONSIBILITY	ASSOCIATED ENVIRONMENTAL IMPACT
CONSTRUCTION PHASE					
Topsoil should be stripped off all areas in which construction is to take place/disturbance for later use.	Start-up then monthly	Visual check	Record non-compliance	Mr A van Heerden for Bilanyoni Community Trust	Soil degradation
Topsoil stockpiles must be protected from erosive forces and kept free of alien vegetation growth.	Monthly	Visual Check	Report erosion scars if they occur on stockpiled soils	Mr A van Heerden for Bilanyoni Community Trust	Soil Degradation
All areas that have been stripped of vegetation are dampened periodically to avoid excessive dust.	Weekly	Visual check	Record non-compliance only	Mr A van Heerden for Bilanyoni Community Trust	Dust pollution
Construction material must be stored in designated area and the designated storage area must be kept fenced or secured to keep people and animals out	Start-Up, then monthly	Visual check	Record and report if there is non-compliance	Mr A van Heerden for Bilanyoni Community Trust	Safety and Security issue
Materials must be stacked in a way that they cannot fall and cause injury or damage to property or the natural environment.	Ongoing	Visual check	Record non-compliance	Mr A van Heerden for Bilanyoni Community Trust	Safety and Security issue
Hazardous chemical working / refuelling areas must be bonded with an impermeable liner to protect groundwater quality.	Start Up, weekly	Visual check of breach/deterioration of bonding	Record incidences of bonding breach/breaks	Mr A van Heerden for Bilanyoni Community Trust	Soil Contamination, deterioration of water resources

FINAL Basic Assessment Report

MITIGATION CONTROL MEASURE	MONITORING FREQUENCY	MONITORING METHOD	DATA CAPTURE & INDICATORS	RESPONSIBILITY	ASSOCIATED ENVIRONMENTAL IMPACT
Fire prevention facilities must be present at the storage area at all times. Storage areas containing hazardous materials must be clearly signed and must have fire extinguishers in close proximity.	Start-Up	Visual check	Keep servicing records of fire fighting equipment, Record non-compliance	Mr A van Heerden for Bilanyoni Community Trust	Damage to infrastructure and resources
Machinery or equipment used must not constitute a pollution hazard. No equipment leaking oil or excessively smoking should be used. Drip tray should be used to prevent pollution.	Monthly	Visual checks and Service	Record incidence of leaking vehicles, excessively smoking equipment Keep service record for equipment.	Mr A van Heerden for Bilanyoni Community Trust	Deterioration of air quality, soil contamination and deterioration of surface water quality
Adequate waste receptacles must be made available for the different waste streams.	Start-up	Visual check	Record non-compliance only	Mr A van Heerden for Bilanyoni Community Trust	Land pollution
All solid waste generated during the construction process (including packets, plastic, rubble, cut plant material, waste metals etc) must be placed in the waste collection area and disposed of at the municipal landfill.	Weekly	Measurement of waste streams	Record monthly waste disposed in tonnes/skips, drums etc as appropriate to nature of waste	Mr A van Heerden for Bilanyoni Community Trust	Land pollution, deterioration of water resources

8.2 OPERATIONAL PHASES

During this phase Mr A van Heerden (for Bilanyoni Community Trust) will be responsible to prevent negative environmental impacts, and as such will be responsible for:

- Providing a budget for maintenance,

- Maintaining all approved infrastructure in good working order to effectively fulfil its intended purpose to prevent negative environmental impacts,
- Not construct any additional buildings, infrastructure, etc. contrary to the approved Environmental Authorisation, without performing an Environmental Impact Assessment to evaluate alternatives,
- To immediately remedy any factors that contribute to negative environmental impacts, and
- To do an annual environmental audit and to have the results in writing available.

8.3 DECOMMISSIONING

Mr A van Heerden for Bilanyoni Community Trust is responsible for:

- Ensuring that suitable arrangements be made to protect the environment against long term negative impacts,
- To clean up contaminants of the environment,
- Prevent erosion through regular monitoring and rehabilitation of degraded areas.

Specific Environmental Specifications

A number of potential environmental impacts that may arise during the project have been identified. These are outline in the following table below, and guidelines and mitigation are proposed.

2. Operational phase

The intention, of providing an EMP for the operational phase, is merely to provide management with guidelines to be used in the management of the proposed development, to safeguard the environment against negative environmental impacts.

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Table 1: Specific Environmental Specifications for the operation of a poultry abattoir on a stand situated at Nooitgedacht Farm, Vryheid.					
Construction Phase					
<u>Activity</u>	<u>Possible Impact</u>	<u>Mitigation measures</u>	<u>Performance indicators</u>	<u>Responsibility</u>	<u>Timing</u>
Notifying authorities of commencement of activities	Authorities not aware of activities on site	Objective: To ensure authorities are aware of commencement of project Inform authorities in writing	Authorities advised of intention to start work	Mr A van Heerden for Bilanyoni Community Trust	One week prior to site establishment
<u>Activity</u>	<u>Possible Impact</u>	<u>Mitigation measures</u>	<u>Performance indicators</u>	<u>Responsibility</u>	<u>Timing</u>
Suitable designated areas must be available for the storage of all materials	Start-Up, then monthly	Visual checks on housekeeping	Record incidences of non-conformance	Mr A van Heerden for Bilanyoni Community Trust	Soil and water pollution. Visual impact
Storage areas containing hazardous substances/materials must be clearly signed	Start-up then month	Visual checks	Record non-conformance only	Mr A van Heerden for Bilanyoni Community Trust	Soil and water pollution. Visual impact
Staff dealing with these materials/substances must be aware of their potential impacts and follow the appropriate safety measures	Quarterly	Check or test environmental awareness	Capture numbers of people trained	Mr A van Heerden for Bilanyoni Community Trust	All impacts

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<u>Activity</u>	<u>Possible Impact</u>	<u>Mitigation measures</u>	<u>Performance indicators</u>	<u>Responsibility</u>	<u>Timing</u>
Operation of proposed facility	Contamination of storm water runoff with suspended solids	Objective: contain soils and materials within defined areas and prevent contamination of storm water runoff by: ❖ Disposal of waste material at appropriate waste disposal sites, Construct a dedicated waste water (grey water) channel with a solids trap to manage facility rinsing water.	Contamination of storm water runoff	Contractor Mr A van Heerden for Bilanyoni Community Trust	Throughout operational phases
<u>Activity</u>	<u>Possible Impact</u>	<u>Mitigation measures</u>	<u>Performance indicators</u>	<u>Responsibility</u>	<u>Timing</u>
Operation of abattoir	Pollution by waste material	Objective: to avoid pollution of the environment with waste materials by: ❖ Provide adequate waste bins, ❖ Set up system for regular waste removal and disposal from work sites, and ❖ Minimize waste by sorting wastes into recyclable and non recyclable wastes.	Appropriate management of wastes on all work sites, and No complaints from I&AP's	Contractor Mr A van Heerden for Bilanyoni Community Trust	Throughout operational phase

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<u>Activity</u>	<u>Possible Impact</u>	<u>Mitigation measures</u>	<u>Performance indicators</u>	<u>Responsibility</u>	<u>Timing</u>
Operation of abattoir	Preventing suitable conditions for flies to breed.	Objective: to protect the environment from disease-carrying pests by: ❖ No uncontained storage of mortalities	No flies.	Mr A van Heerden for Bilanyoni Community Trust	Throughout operational phase
	Waste management	Objective: to prevent solid waste from accumulating by: ❖ Regular removal of waste. ❖ Animal waste is cleared from the facility and the building is washed after each new batch of chickens is slaughtered. ❖ Register the facility with the provincial state veterinary services.	No solid waste stored for long periods on the property, and No smells; No complaints from I & AP's	Mr A van Heerden for Bilanyoni Community Trust	Once a week
Operation of abattoir	Potential Fire Outbreaks	Objective: to prevent fire outbreaks: ❖ Ensure adequate emergency equipment (e.g. fire extinguishers) is available. ❖ Ensure that all employees involved have received adequate training with regards to the handling of fires ❖ Notify the local fire department of activity	No fire outbreaks	Mr A van Heerden for Bilanyoni Community Trust	Throughout operational phase

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8.3 SECTION III: DECOMMISSIONING

ENVIRONMENTAL MITIGATION MEASURE	MONITORING FREQUENCY	MONITORING METHOD	DATA CAPTURE & INDICATORS	RESPONSIBILITY	ASSOCIATED ENVIRONMENTAL IMPACT
INFRASTRUCTURE REMOVAL AND REHABILITATION					
On completion of operations, all buildings, structures, plant or objects on shall be removed from site depending on the required land end-use	At end of operation	Visual	Keep records of installations decommissioned, and disposal methods	Mr A van Heerden for Bilanyoni Community Trust	Loss of vegetation/habitat degradation, soil erosion
Waste material of any description, including receptacles, scrap and rubble will be removed entirely from the abattoir site and disposed of at a designated area on the farm. Segregation of waste should be done prior to disposal.	At end of operation	Visual	Keep records of types of waste disposed and where disposed	Mr A van Heerden for Bilanyoni Community Trust	Soil Contamination, Water pollution
Photographs of before decommissioning, during and after rehabilitation, shall be taken at selected fixed points and kept on record.	At end of operation	Taking of photographs	Keep dated photographs	Mr A van Heerden for Bilanyoni Community Trust	Visual impact

ooo000ooo

APPENDIX G:

Response on letter of Mr S. Ndwandwe

- A1) Amafa Akwa Zulu Natal (for heritage and cultural resources)
Bernedat Pawandiwa Tel. 033 394-6543 Email. lindim@amafapmb.co.za**

Consultation held with Bernedat Pawandiwa at the Amafa Akwa Zulu Natal offices in Pietermaritzburg. Online application submitted on SAHRA website.

- A2) Zululand District Municipality
Mr S. Landman Tel. 035 874-5617 email. slandman@zululand.org.za**

BID Document and comments form - Nooitgedacht Poultry Abattoir

Nooitgedacht x



Hester Roberts <drrobertsh@gmail.com>

Apr
16

to slandman

Good Day Mr Landman

Mr Sbusiso Ndwandwe from the Department Economic Development, Tourism and Environmental Affairs has advised that we contact your office to obtain comments regarding the establishment of a poultry abattoir on the farm Nooitgedacht in the Vryheid area.

I have attached the original BID document with the comments form for the Basic Assessment for "The establishment of a poultry abattoir on the farm Nooitgedacht" for your information/attention.

It would be appreciated if you could please complete and return the comments form via email.

Kind regards

Dr Hester Roberts
2 Attachments



Hester Roberts <drrobertsh@gmail.com>

May 11 (8 days ago)

to slandman

Good day Mr Landman

With reference to our email sent to you on 2015/04/16.

It would be appreciated if you could please complete the comments form and return to us via email.

Please advise us if you have no comments, or if you would like some additional information.

Thanking you

Dr Hester Roberts

A3) Ezemvelo KZN Wildlife (for biodiversity affairs)
Mr D. Wieners Tel. 033 845-1455 Email. eia@kznwildlife.com

Attention: Mr Dominic Wieners - BID Document and comments form - Nooitgedacht Poultry Abattoir

Inbox x

Nooitgedacht x



Hester Roberts <drrobertsh@gmail.com>

Apr 16

to eia

Good Day Mr Wieners

As discussed telephonically yesterday.

Mr Sbusiso Ndwandwe from the Department Economic Development, Tourism and Environmental Affairs has advised that we contact your office to obtain comments regarding the establishment of a poultry abattoir on the farm Nooitgedacht in the Vryheid area.

I have attached the original BID document with the comments form for the Basic Assessment for "The establishment of a poultry abattoir on the farm Nooitgedacht" for your information/attention.

It would be appreciated if you could please complete and return the comments form via email.

Kind regards

Dr Hester Roberts

2 Attachments



FINAL Basic Assessment Report

Hester Roberts <drrobertsh@gmail.com>

May 11 (9 days ago)

to eia

Good day Mr Wieners

With reference to our email sent to you on 2015/04/16.

It would be appreciated if you could please complete the comments form and return to us via email.

Please advise us if you have no comments, or if you would like some additional information.

Thanking you

Dr Hester Roberts



EIA <eia@kznwildlife.com>

May 13 (7 days ago)

to me

English
Estonian

[Translate message](#)

[Turn off for: English](#)

Dear Dr Roberts.

Kindly find attached a file describing the minimum requirements in order for Ezemvelo to process applications for land-use change. May I ask that the BID sent through to us previously be amended to include a little more information on the receiving area, in terms of a shape file, or a locality map, as well as GPS co-ordinates, in order for us to query our databases and establish whether there are any biodiversity issues of concern which we need to make you aware of.

Unfortunately with the information provided to date, we cannot apply our mind to this application, as there is not enough information to inform decision making.

Kind regards

Dominic Wieners

IEM Process and Standards Planner - Land Use Planning
Ezemvelo KZN Wildlife
Queen Elizabeth Park, No 1 Peter Brown Drive,
PO Box 13053,
Cascades, 3202
Tel : (033) 845 1455
Fax: (033) 845 1499
E-mail : Dominic.Wieners@kznwildlife.com
Website : www.kznwildlife.com



Please consider the environment before printing this e-mail.

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[Kindly check the process for submission of EIA documentation on our website \(www.kznwildlife.com\)](http://www.kznwildlife.com)

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From: Hester Roberts [mailto:drrobertsh@gmail.com]

Sent: Thursday, April 16, 2015 9:51 AM

To: EIA

Subject: Attention: Mr Dominic Wieners - BID Document and comments form - Nooitgedacht Poultry Abattoir

Attachments area



Hester Roberts <drrobertsh@gmail.com>

2:27 PM (5 hours ago)

to EIA

Good day Mr Wieners

Thank you for responding.

I am attaching a portion from the Basic Assessment document. It will give a broader outline of the proposed project. It also has the GPS co-ordinates which are **S 27°36'09.40" E 30°53'02.21"**.

I have also attached maps from Google Earth and the SAHRA, South African Heritage Resources Agency website.

Please advise if this information is sufficient

Kind regards

Dr Hester Roberts and Athol Scott

7 Attachments

A4) Abaqulusi Local Municipality

P.Mthethwa LED Manager. Tel. 034 982-2133 Email.

pmthethwa@abaqulusi.gov.za

Alet Swanepoel – Secretary. Email. information@abaqulusi.gov.za

BID Document and comments form - Nooitgedacht Poultry Abattoir

Inbox x
Nooitgedacht x



Hester Roberts <drrobertsh@gmail.com>

Apr
13

to pmthethwa, information

Good Day P. Mthethwa

Please excuse the previous email as I forgot to insert a subject title.

Mr Sbusiso Ndwandwe from the Department Economic Development, Tourism and Environmental Affairs has advised that we contact your office to obtain comments regarding The establishment of a poultry abattoir on the farm Nooitgedacht in the Vryheid area.

I have attached the original BID document with the comments form for the Basic Assessment for "The establishment of a poultry abattoir on the farm Nooitgedacht" for your information/attention.

It would be appreciated if you could please complete and return the comments form via email.

Kind regards

Dr Hester Roberts
2 Attachments



Hester Roberts <drrobertsh@gmail.com>

May 11 (7
days ago)

to pmthethwa

Good day P. Mthethwa

With reference to our email sent to you on 2015/04/16.

It would be appreciated if you could please complete the comments form and return to us via email.

Please advise us if you have no comments, or if you would like some additional information.

Thanking you

Dr Hester Roberts

FINAL Basic Assessment Report



Hester Roberts <drrobertsh@gmail.com>

May 11 (7 days ago)

to information



Vryheid Information Bureau - AbaQulusi Municipality <information@abaqulusi.gov.za>

May 11 (7 days ago)

to me, pmthethwa

English
Estonian

[Translate message](#)

[Turn off for: English](#)

Dear Hester,
Ms Mthethwa will be back soon from the INDABA to attend to the request.

Kind Regards,

Alet Swanepoel | Tourism Officer

AbaQulusi Municipality | C/O Mark & High Street | Vryheid | 3100 |
Fax: [+ 27 034 982 3497](tel:+270349823497) | Tel: [+27 34 982 2133](tel:+27349822133) Ext. 2229

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From: Hester Roberts [mailto:drrobertsh@gmail.com]

Sent: 11 May 2015 09:42 AM

To: information@abaqulusi.gov.za

Subject: BID Document and comments form - Nooitgedacht Poultry Abattoir



Vryheid Information Bureau - AbaQulusi Municipality <information@abaqulusi.gov.za>

May 11 (7 days ago)

to me, pmthethwa

FINAL Basic Assessment Report

English
Estonian

[Translate message](#)

[Turn off for: English](#)

Dear Ms Mthethwa,
Please attend to the request.
Thank you.

Kind Regards,

Alet Swanepoel | Tourism Officer

AbaQulusi Municipality | C/O Mark & High Street | Vryheid | 3100 |

Fax: + 27 034 982 3497 | Tel: +27 34 982 2133 Ext. 2229

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B) DWAF

Mr Siyabonga Buthelezi Tel. 031 336 2781/ 081 036 8761

Email. Buthelezis2@dws.gov.za

Assistance regarding a BAR document and contact details

Inbox x



Hester Roberts <drrobertsh@gmail.com>

May 19 (2 days ago)

to MsaneB

Good day Ms B Msane

I am hoping you can please assist me regarding contact details to submit a Final Basic Assessment for a poultry abattoir in the Vryheid area of KZN.

I have on two occasions submitted it to the

Chief Director: Department of Water Affairs and Forestry

Att: Acting Deputy Director Water Quality Management : Mr R Phillip

PO Box 1018

DURBAN

4000

FINAL Basic Assessment Report

I have to date not received any response. It would be appreciated if I could please be given the name and contact details (email, telephone, physical and postal address) of someone at DWAF so that I can make contact with them, so that I can resubmit the documentation for their attention.

Your assistance would be greatly appreciated

Thanking you

Dr Hester Roberts



May 19 (2 days ago)

Msane Bongiwe (DBN) <MsaneB@dws.gov.za>

to Nyathi, me

English
Estonian

[Translate message](#)

[Turn off for: English](#)

Dear Dumsani

Kindly assist Dr Roberts with the correct contact details.

Thanks

Bongiwe

From: Hester Roberts [mailto:drrobertsh@gmail.com]

Sent: 19 May 2015 09:20 AM

To: Msane Bongiwe (DBN)

Subject: Assistance regarding a BAR document and contact details

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Nyathi

May 19 (2 days ago)

Dumsani (DBN)

Dear Dr Roberts Thanks for your enquiry. Kindly contact Mr Siyabonga Buthelez...



May 20 (1 day ago)

Hester Roberts <drrobertsh@gmail.com>

to buthelezi2

Good day Mr Siyabonga Buthelezi

FINAL Basic Assessment Report

We have in the past submitted the BA applications to the Deputy Director Mr Phillip in Durban. Unfortunately we have had no response and have now been given your name and details.

As there are problems with the postal system, would it be possible to submit it to you electronically as the matter has now become urgent.

Could you also please provide me with your physical address in case we have to courier it to you.

Your assistance in this matter would be appreciated.

Thanking you

Dr Hester Roberts.

The applicant will make application for a water license on approval of this Basic Assessment as costs would have to be borne by the Community Trust

TARTAN TECHNOLOGIES



Registration no. B2009002798
P.O. Box 11531, Universitas, Bloemfontein, 9321
Tel: +27 84 5500 621 / +27 76 2020129 Fax: 0865100836
Email: drrobertsh@gmail.com / tartantech@gmail.com

9 December2013

Chief Director
Dept of Water Affairs & Forrestry
PO Box 1018
DURBAN
4000

**ATTENTION: ACTING DEPUTY DIRECTOR WATER QUALITY MANAGEMENT:
MR R PHILLIP**

Dear Mr Phillip,

**DOCUMENTATION: DRAFT BASIC ASSESSMENT, POULTRY ABATTOIR, NOOITGEDAGHT
FARM, VRYHEID**

Enclosed please find the Draft Basic Assessment Document for the proposed construction and development of a poultry abattoir and broiler houses on the farm, Nooitgedaght, Vryheid.

It would be appreciated if you could provide feedback and comments. For any enquiries please feel free to contact me.

Yours faithfully

Hester Roberts (Dr) & Athol Scott
Environmental Consulting

FINAL Basic Assessment Report

<p>REGISTERED LETTER GEREGISTREERDE BRIEF</p> <p><small>(with an insurance option) / met 'n versekeringsopsie</small></p> <p>Full tracking and tracing / Volledige volg en spoor</p> <p>Addressed to / Geadresseer aan: <u>R Phillip</u></p> <p><u>P.O. Box 1018</u> <u>Durban</u> <u>4000</u></p> <p><small>The addressee must be a natural person or a company registered in the Republic of South Africa. The addressee must be a resident of South Africa. The addressee must be a resident of South Africa. The addressee must be a resident of South Africa.</small></p>	<p>Postage paid: R _____</p> <p>Service fee / Diensgeld: R _____</p> <p>Insurance / Versekering: R _____</p> <p>Total / Totaal: R _____</p> <p>Insured value of contents: R _____</p> <p>Versekerings waarde van inhoud: R _____</p> <p>Enquirer's Name / Sake naam: _____</p> <p>Sharecall number/nummer: 0860 111 502</p> <p>www.postoffice.co.za</p> <p>RD 893 186 854 ZA</p> <p>CUSTOMER COPY 311093</p> <p>Initial of accepting office: <u>B</u></p> <p>Date Stamp: UNIVERSITAS 1 18 DEC 2013</p>
<p>REGISTERED LETTER GEREGISTREERDE BRIEF</p> <p><small>(with an insurance option) met 'n versekeringsopsie</small></p> <p>Full tracking and tracing / Volledige volg en spoor</p> <p>Addressed to / Geadresseer aan: <u>Mr Melamba</u></p> <p><u>Private bag X 1048</u> <u>Richards Bay</u> <u>8700</u></p> <p><small>The addressee must be a natural person or a company registered in the Republic of South Africa. The addressee must be a resident of South Africa. The addressee must be a resident of South Africa. The addressee must be a resident of South Africa.</small></p>	<p>Postage paid: R _____</p> <p>Service fee / Diensgeld: R _____</p> <p>Insurance / Versekering: R _____</p> <p>Total / Totaal: R _____</p> <p>Insured value of contents: R _____</p> <p>Versekerings waarde van inhoud: R _____</p> <p>Enquirer's Name / Sake naam: _____</p> <p>Sharecall number/nummer: 0860 111 502</p> <p>www.postoffice.co.za</p> <p>RD 893 186 871 ZA</p> <p>CUSTOMER COPY 311092</p> <p>Initial of accepting office: <u>B</u></p> <p>Date Stamp: UNIVERSITAS 1 18 DEC 2013</p>
<p style="text-align: center; color: red;">WOMPGEDACHT (ALICE V HEERDEN)</p> <p>REGISTERED LETTER GEREGISTREERDE BRIEF</p> <p><small>(with an insurance option) met 'n versekeringsopsie</small></p> <p>Full tracking and tracing / Volledige volg en spoor</p> <p>Addressed to / Geadresseer aan: <u>Alice v Heerden</u></p> <p><u>Private bag X 22</u> <u>Dept of Agric & Environ</u> <u>Ukhahlamba</u></p> <p><small>The addressee must be a natural person or a company registered in the Republic of South Africa. The addressee must be a resident of South Africa. The addressee must be a resident of South Africa. The addressee must be a resident of South Africa.</small></p>	<p>Postage paid: R _____</p> <p>Service fee / Diensgeld: R <u>23-75</u></p> <p>Insurance / Versekering: R _____</p> <p>Total / Totaal: R _____</p> <p>Insured value of contents: R _____</p> <p>Versekerings waarde van inhoud: R _____</p> <p>Enquirer's Name / Sake naam: _____</p> <p>Sharecall number/nummer: 0860 111 502</p> <p>www.postoffice.co.za</p> <p>RD 884 873 305 ZA</p> <p>CUSTOMER COPY 311091</p> <p>Initial of accepting office: <u>F</u></p> <p>Date Stamp: UNIVERSITAS 2 23 APR 2014</p>
<p>REGISTERED LETTER GEREGISTREERDE BRIEF</p> <p><small>(with an insurance option) met 'n versekeringsopsie</small></p> <p>Full tracking and tracing / Volledige volg en spoor</p> <p>Addressed to / Geadresseer aan: <u>Mr R. Phillip</u></p> <p><u>DEPT OF WATER AFFAIRS</u> <u>Box 1018</u> <u>DURBAN</u></p> <p><small>The addressee must be a natural person or a company registered in the Republic of South Africa. The addressee must be a resident of South Africa. The addressee must be a resident of South Africa. The addressee must be a resident of South Africa.</small></p>	<p>Postage paid: R _____</p> <p>Service fee / Diensgeld: R _____</p> <p>Insurance / Versekering: R _____</p> <p>Total / Totaal: R _____</p> <p>Insured value of contents: R _____</p> <p>Versekerings waarde van inhoud: R _____</p> <p>Enquirer's Name / Sake naam: _____</p> <p>Sharecall number/nummer: 0860 111 502</p> <p>www.postoffice.co.za</p> <p>RD 848 136 477 ZA</p> <p>CUSTOMER COPY 311088</p> <p>Initial of accepting office: <u>F</u></p> <p>Date Stamp: BLUFF 2014-04-01</p>

C) Bilanyoni Trust Letter

Bilanyoni Community Trust Farm
Vryheid
3100
Date 12 November 2014

Department of Economic Development, Tourism and Environmental Affairs
Private Bag X22
Ulundi
3838
Attention: Mr Sbusiso Ndwandwe

From the Bilanyoni Community Trust

We hereby confirm that we are the legitimate owners of Bilanyoni Community Trust farm.

Property descriptions:

Portion 1 of the Farm Nooitgedacht No. 479, Portion 3 of the Farm Nooitgedacht No. 479, Portion 7 of the Farm Nooitgedacht No. 479, Remainder of the Farm Uitzicht No. 284, Portion 2 of the Farm Uitzicht No. 284, Portion 4 of the Farm Uitzicht No. 284, Portion 5 of the Farm Uitzicht No. 284.

We are happy and in support with the proposed project as well as Environment Impact Analysis on our abattoir.



Chairperson: Mr Mboneni Mthethwa
Date:



Secretary: Ms Zethu Nkosi
Date: 16-11-2014

D) Facility Illustration

The facility illustration has been substituted with a clearer copy which is now on page 45.

E) Veterinary Services



agriculture, environmental affairs
& rural development

Department
Agriculture, Environmental Affairs
& Rural Development
PROVINCE OF KWAZULU-NATAL



ABATTOIR WASTE MANAGEMENT

NAME: UitzichtAgri Production (Pty)Ltd	LOCATION: Nooitgedacht Vryheid
I.D NO: N/A	DATE : 01/09/2014

WASTE	PROTOCOL
1.BLOOD	<p>Nooitgedacht will utilise blood troughs to collect blood, store it, and bury it. A secure site has been identified +- 120 m from the abattoir. It will be covered to a minimum depth of 60cm.</p> <p>Rendering of blood might be used as by-products in the future, such as blood meal, poultry meal and fertilisers instead of burial disposal.</p> <p>It has been scientifically proven that blood meal contains a high nutritive value and therefore is being used as a feed supplement for animals.</p> <p>A poultry meal, a mixture of blood, feathers and other condemned organic material, in their natural proportions will be investigated. A mixture of these by-products produces a more nutritionally-balanced product than any other formulations.</p>
2.OFFAL	<p>Offal that consists of inedible organs (intestinal tract, lungs, spleen, wind pipe, and reproductive organs) will initially be put through the septic tank, but the intention is to use these offal as a source of pet food, as cats and dogs need animal protein in their daily diet.</p>
3.FEATHERS	<p>Feathers are regarded as one of the most important waste materials. It will be collected and placed in plastic containers/drums with lids. Feathers will be stored in an open space next to the abattoir prior to burial disposal initially and later for further processing. Burial is an original method of disposal of feathers.</p> <p>Feather meal will be investigated and refers to the product resulting from the treatment of clean feathers, free from any additives. Raw feathers can be processed by means of pressure-cooking between 207 and 690kPa, over a time period</p>

FINAL Basic Assessment Report

	<p>of 6 to 60 minutes. This breaks down keratinous material in feathers, resulting in a hydrolysed feather meal with a 70% digestible crude protein. This product will be used at the broiler on the farm.</p>
5.WASTE WATER	<p>The disposal area of waste-water will not be close to any running water (river) or dams. We are considering the construction of wetlands/dam within the abattoir premises where we will discharge the wastewater so that it can be re-used later, mostly for agricultural purposes. There is plenty of space and the initial discharge will be soil enrichment.</p>
6.INGESTA	<p>Ingesta is delivered through chutes to specified containers which are then loaded on a designated vehicle and the contents disposed of into the waste trenches which will be dug according to specifications of greater than 600mm deep and more than 100m from the abattoir, on the farm. After daily dumping the material will be covered with a layer of lime and then with soil.</p>
7.INEDIBLES	<p>Inedibles will be delivered through chutes to specified containers which are then loaded on a designated vehicle and the contents disposed of into the waste trenches which will be dug according to specifications of greater than 600mm deep and more than 100m from the abattoir, on the farm. After daily dumping the material will be covered with a layer of lime and then with soil.</p>
8.CONDEMNS	<p>Condemned waste material e.g. dead-on-arrivals, those carcasses and portions of meat condemned by the meat inspector, stomach, and lungs which are regarded as a possible health threat, will be buried at a designated site.</p> <p>Condemns will be delivered through chutes to specified containers which are then loaded on a designated vehicle and the contents disposed of into the waste trenches which will be dug according to specifications of greater than 600mm deep and more than 100m from the abattoir, on the farm. After daily dumping the material will be covered with a layer of lime and then with soil.</p>
9.EFFLUENT	<p>After draining through several fat traps the effluent will be directed to a designated effluent septic tank, which is based on a CSIR technical guide K86 of the Institute for Water Research, and thereafter into a suitable French drain of extended length.</p>

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10. TOILETS	Toilet waste will be drained into a designated sewerage septic tank, which is based on a CSIR technical guide K86 of the Institute for Water Research, and thereafter into a suitable French drain of extended length.
11. STORM WATER	Storm water will be directed off the abattoir pavements by suitable gradients which will then be directed through drainage system.

Options for poultry litter from the production houses include:

- a) Collected by neighbouring farms to use as cattle feed supplement
- b) Used on own cattle herd as feed supplement
- c) Used to fertilize own extensive pastures
- d) Eventually used to produce compost

For your information.

Mr V M Naicker
VPH Practitioner, VPH North Region

State Vet Offices, Cnr of Teezen & van
Riebeeck, Vryheid
Tel: 034 981 4411/031 687 5545
Fax: 034 983 2575
Email: mark.naicker@kondag.gov.za

F) Co-ordinates

This application will be for an abattoir only.

G) Department name change

It has been noted that the Departments name has been changed to Department of Economic Development, Tourism and Environmental Affairs.

Extension Authorisation



edtea

Department :

Economic Development, Tourism and
Environmental Affairs

PROVINCE OF KWAZULU-NATAL

Enquiries: Sbusiso Ndwandwe
Imibuzo :
Navrae :

Telephone: 035 – 870 9362
Ucingo : 082 719 9883
Telefoon :

Private Bag : X22
Isikhwama Seposi : ULUNDI
Privaat Sak : 3838

Reference: DC26/0008/2013
Inkomba :
Verwysing:

Fax : 035 870 9360
iFeksi :
Faks :

Date : 22 April 2015
Usuku :
Datum :

Fax Transmission

Tartan Technologies
P. O. Box 11531
Univesitas, Bloemfontein
9321

Attention: Dr. H. Roberts

Fax No: 086 510 0836

Dear Sir

DC26/0008/2013: GRANTING OF EXTENSION PERIOD UNTIL END OF MAY 2015 FOR ESTABLISHMENT OF POULTRY ABATTOIR AND BROILER HOUSES ON THE FARM NOOITGEDACHT

1. Your emailed correspondence dated 13th April 2015 refers.
2. The Department grants you the required extension period until the end of May 2015, after which the project will be withdrawn
3. Please contact this Department if you have any queries regarding this correspondence.

Yours faithfully

Sbusiso Ndwandwe

for: **Head of Department:**

KwaZulu-Natal Department of Economic Development, Tourism & Environmental Affairs

Cc: Uitzicht Agri Products (Pty) Ltd: 034 – 980 0034