

**Mpfuneko Community Support NPC**  
non-profit public benefit organisation

Section 21 Company, co reg no 2007/016818/08

Cell: 073 086 2303 • Fax: 086 611 5666 • Post: PO Box 1475, Giyani, 0826 • Email: info@mpfuneko.co.za

Giyani, 17 October 2018

TO: NERSA  
PO Box 40343  
Arcadia 0007  
Pretoria  
BY EMAIL ONLY: pipedgas@nersa.org.za

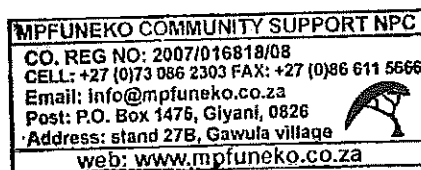
Dear Sir/Madam,

APPLICATION FOR REGISTRATION OF A GAS ACTIVITY OF VUHEHLI DROP-IN CENTRE.

Please find attached the completed registration form for an application for the registration of a gas activity on behalf of Vuhehli Drop-In Centre, NPO registration number: 059-597-NPO, including all requested documents and a letter to confirm that I have been authorised to submit this application.

Yours sincerely,

Jotte van Ierland  
Managing Director



**ANNEXURE G****FORM: APPLICATION FOR THE REGISTRATION OF A GAS ACTIVITY**

Application for the registration of a gas activity in terms of section 28 of the Gas Act, 2001  
(Act No. 48 of 2001)

**Instructions:**

1. Before completing this form, read the following documents:
  - (a) the Gas Act, 2001 (Act No. 48 of 2001) and its regulations; and
  - (b) the rules made in terms of the Gas Act, specifically rule 14.
2. Please note that this form has three sections (A, B, C) and an applicant must provide **all** information and supporting documentation required. Incomplete applications will not be accepted.
3. The completed form with supporting documentation must be delivered to the Energy Regulator:
  - by registered mail to: P O Box 40343, Arcadia 0007;
  - OR
  - by hand at: Kulawula House, 526 Vermeulen Street, Arcadia, Pretoria.
4. An electronic version of the completed form **must** also be e-mailed to: [pipedgas@nersa.org.za](mailto:pipedgas@nersa.org.za).
5. If you want to request the confidential treatment of certain information in your application, you must do so in accordance with rule 4 of the Rules made in terms of the Gas Act.

**ENQUIRIES:**

Contact: Executive Manager: Gas Regulation  
Contact no.: (012) 401 4600  
Fax no.: (012) 401 4700

**Official Use Only**

Date received \_\_\_\_\_

Reference number \_\_\_\_\_

jet

**SECTION A: PARTICULARS OF THE APPLICANT**

1. Full registered name of the applicant:  
VUHEHLI DROP-IN CENTRE
2. Trading name of the applicant (if different from registered name):  
N/A
3. Registration number of company or Identity Number if the applicant is a natural person:  
059-597-NPO
4. Physical address of the registered place of business:  
STAND NO 529  
VUHEHLI VILLAGE  
GIYANI, 0826
5. Physical address of the principle place of business (if different from registered place of business):  
N/A
6. Postal address:  
PO BOX 5890  
GIYANI, 0826
7. Details of contact person, including:
  - (a) designation... PROJECT COORDINATOR
  - (b) family name... RISIMATI
  - (c) first name... HLAMACANE MARIA
  - (d) telephone number... 078 331 2600
  - (e) fax number... N/A
  - (f) email address... RISIMATI MARIA @ GMAIL.COM

JH

**SECTION B: DETAILS OF THE ACTIVITY**

8. Indicate the gas activity that you are engaged in by ticking the appropriate box:

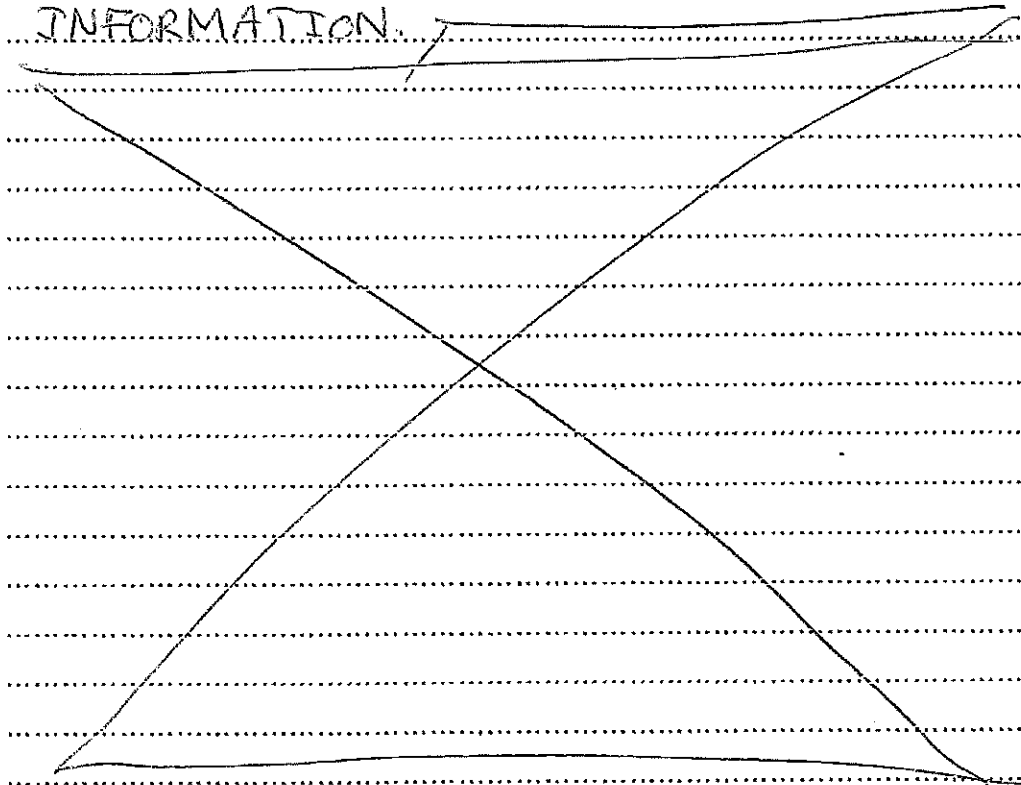
- (a) The production of gas
- (b) The importation of gas
- (c) The transmission of gas for personal exclusive use
- (d) Small biogas projects in rural communities

9. The address or location of the gas activity to be registered.

.....STAND NO 529.....  
.....VUHEHLI VILLAGE.....  
.....GIYANI, 0826.....

10. Provide a detailed description of the gas activity to be registered (use a separate page, if necessary):

.....6 M<sup>3</sup> BIOGAS DIGESTER. THE GAS WILL  
.....BE USED FOR COOKING AND HEATING.  
.....SEE ATTACHED DOCUMENTS FOR MORE  
.....INFORMATION.....



*JWI*

**Production and importation of gas**

11.(a) If you are involved in *the production of gas* you must complete the section below:

**Gas production****1. Type of gas (tick appropriate box)**

- Natural gas
- Coal Bed Methane
- Produced from coal
- Produced from landfill
- Produced by other method  
(specify)

	Previous calendar year	Current calendar year/first year of operation
<b>2. Total gas production</b>		
a. Volume in Gigajoules per annum		
b. Gas specifications		
<b>3. Gas used in-house (for own use)</b>		
a. Volume in Gigajoules per annum		
b. Gas specifications		
<b>4. Gas reserves (except for producers of synthetic gas)</b>		
a. Reserves in trillion cubic feet		
b. Basis for reserve estimate (e.g. P50, P90)		

*Jul*

11. (b) If you are involved in *the importation of gas* you must complete the section below:

### Gas importation

#### 1. Type of gas (tick appropriate box)

- Natural gas
- Coal Bed Methane
- Other (specify)

	Previous calendar year	Current calendar year/ first year of operation
<b>2. Total gas imports</b>		
a. Volume in Gigajoules per annum		
b. Gas specifications		
<b>3. Gas used in-house (for own use)</b>		
a. Volume in Gigajoules per annum		
b. Gas specifications		
<b>4. Gas reserves (where available)</b>		
a. Reserves in trillion cubic feet		
b. Basis for reserve estimate (e.g. P50, P90)		

For both *production* and *importation*, provide:

- details of the gas usage;
- the type of users of the gas, for example industrial users or households;
- the number of users of the gas per type of usage; and
- details of the gas reticulation network utilised (where applicable).

#### **Small biogas projects**

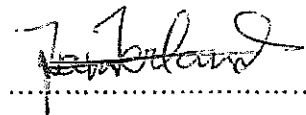
12. If you are engaged in *small biogas projects in rural communities not connected to the national pipeline grid*, then provide the following information (on separate pages) for each of the small biogas projects -

- the name of project;
- location of the project;
- a description of the material used to produce the biogas;

**SECTION C: SOLEMN DECLARATION BY THE APPLICANT/ MANDATED REPRESENTATIVE**

I (full names) JOTTE VAN IERLAND identity Number... hereby declare that:

- (a) I am authorised by VUHEHLI DROP-IN CENTRE to make this declaration (attach the authorisation); and
- (b) All information provided herein is within my personal knowledge and is both true and correct.

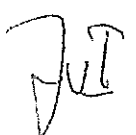
  
 .....  
**Signature**

I certify that the deponent:

- (a) has acknowledged that she/he knows and understands the contents of this application form and its annexures, that she/he has no objection to taking the prescribed oath and that she/he considers the oath binding on her/his conscience; and
- (b) has in the prescribed manner sworn that the contents of this application form and its annexures are true and signed same before me at GIYANI STAPS (place) on this 17 day of OCTOBER (month) 2018 (year).

W. van der Merwe  
 \_\_\_\_\_  
**COMMISSIONER OF OATHS**  
 Name W. van der Merwe  
 Address GIYANI STAPS  
 Capacity SAF





- (d) a description of the production process;
- (e) the technical specifications of the gas produced;
- (f) the quantity of gas produced in Gigajoules per annum;
- (g) details of the reticulation network (where applicable); and
- (h) the number of customers/ users of the gas.

A handwritten signature or set of initials, possibly 'JUT', located in the bottom right corner of the page.



# INFORMATION ON VUHEHLI CLIMATE SMART AGRICULTURE PROJECT

## A SMALL BIOGAS PROJECT IN RURAL COMMUNITIES NOT CONNECTED TO THE NATIONAL PIPELINE GRID

By Jotte van Ierland on behalf of Vuhehli Drop-In Centre on 17 October 2019  
Prepared for National Energy Regulator of South Africa (NERSA)

**A. Name of the project**

Vuhehli Climate Smart Agriculture Project

**B. Location of the project**

Vuhehli Village near Giyani (Limpopo).

**C. Material used to produce the biogas**

The digester is a underground structure made from bricks and cement. Cemcrete has been used to make the digester gas tight. The pipelines are composite (Pex-al-Pex) and galvanised iron pipelines. The digester will be filled with (cow) dung, kitchen waste and agricultural residues.

**D. Description of the production process**

The biogas digester is filled with a mixture of 50% water and 50% organic material daily. Cow dung, kitchen waste and agricultural residues are mostly used as feedstock for the digester.

**E. Technical specifications of the gas produced**

Raw biogas, which comprises approximately 65% methane gas, 35% carbon dioxide and less than 1% other trace gasses.

**F. Quantity of gas produced in Gigajoules per annum**

The digester that has been constructed under this project has a digester volume of 6 m<sup>3</sup>, which should produce approximately 1 m<sup>3</sup> of biogas per day. Methane gas has a calorific value of approximately 35 MJ / m<sup>3</sup>. Therefore the digester will produce approximately (1 m<sup>3</sup> \* 65% methane gas \* 35 MJ=) 23 MJ per day, or 8.3 Gigajoule per annum.

**G. Details of the reticulation network**

The digester supplies a single kitchen with biogas. The pipeline between the digester and the kitchen has two safety valves, one in the kitchen and one on top of the digester. The pipelines used are mostly composite and galvanised iron pipelines.

**H. The number of customers / users of the gas**

Vuhehli Drop-In Centre will be the only customer / user of the gas.





# VUHEHLI DROP- IN CENTRE

Vuhehli Village  
Giyani  
Cell: 078 261 8867  
078 331 2600

P.O. Box 5890  
Giyani  
0826

REG NO: 059-597-NPO

Fighting against

Vuhehli, 17 October 2018

TO: NERSA  
PO Box 40343  
ARCADIA  
0007  
By email only: [pipedgas@nersa.org.za](mailto:pipedgas@nersa.org.za)

Dear Sir/Madam,

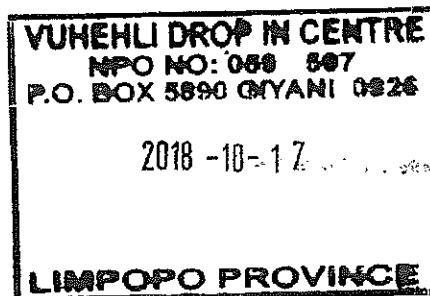
## AUTHORISATION FOR MR JOTTE VAN IERLAND TO COMPLETE APPLICATION FOR THE REGISTRATION OF A GAS ACTIVITY.

This letter serves to confirm that Mr Jotte van Ierland, passport number: \_\_\_\_\_, has been authorized by me, the project coordinator of Vuhehli Drop-In Centre, NPO registration number 059-597-NPO, to complete and submit the Application for the Registration of a Gas Activity at NERSA.

I, Hlmacani Maria Risimati, ID no: \_\_\_\_\_, confirm that the content of this letter is true and correct.

Faithfully yours,

*Risimati*  
Maria Risimati  
Project coordinator



Board of Director: Chairperson: Khanyi Joyce, Secretary: Makwala Mabyalwa Christinah,  
Treasurer: Mathebula Patiron Sestinah

OVERVIEW OF DIGESTERS OWNED BY VUHEHLI DROP-IN CENTRE FOR NERSA, 17 October 2018

Number	Description	Co-ordinates	Status	Current daily biogas production (in m <sup>3</sup> biogas)	Expected daily biogas production next year (in m <sup>3</sup> biogas)
Vuhehli Village (near Giyani, Limpopo)					
1	Vuhehli Drop-In Centre	23°23'49.50"S; 30°53'21.98"E	Testing successfully completed	0	1

*JWT*