

From: Maryna Heese <marynaheese@gmail.com>
Sent: Monday, 29 June, 2020 7:35 PM
To: clinton@enviroafrica.co.za; info@enviroafrica.co.za
Subject: Boegoeberg Proposed Township development on plot 2642
Attachments: Urine diversion toilets Regarded members of the Municipality.docx

Dear Clinton,

Re: !Kheji Municipality Boegoeberg Township,

As Interested and Affected individuals we like to comment on the new Township referenced above.

Your company name allowed me to have hope that behind this new development we might find a group of people that earnestly are interested in developing a sustainable environment. The words in quotation marks come from a study of the use of earth-pipes to cool air.

“Rational use of energy and power is a key to the economic development of human society and to achieve sustainable environment.”

<https://www.sciencedirect.com/science/article/pii/S1876610214032664>

Some areas for consideration is **cooling and heating of houses** in an area known for very hot summers and very cold winters. If the energy exerted in digging trenches for pipes, that will form part of the water reticulation infrastructure can double up for eco-friendly earth cooling and heating systems as explained in the above link, it can be a worthwhile economic model. I am hoping that an overarching management function will form part of the project and that all these elements of development can be co-ordinated, overseen and all opportunities to incorporate cost-effective and ecologically sustainable solutions utilized. For example, when the foundations for homes are being dug, the alternative cooling systems installed. Boegoeberg development can become a pilot project for arid community development.

Parks, Sport and recreational space, bigger plots and proper roads are some other concerns. I do not have any experience in the above, but do have experience in **waterless sanitation options**. I have compiled some thoughts, experience from others and links pertaining to waterless sanitation for your consideration.

Do forgive me if the sanitation document is far too simplistic or lay-men orientated, but I have no idea who will read this letter and the document.

Interested and Affected Individuals, from lot 586/and 1464 that from part of lot 1018, as part of the Boegoeberg Community, one of the closest lots to the new proposed Township.

Kind regards

Daniel and Maryna Heese