



BACKGROUND INFORMATION DOCUMENT (BID) **Atmospheric Emissions Licence Renewal Process**

KurlandBrik

May 2018

Introduction & Background

Kurlandbrik (Pty) Ltd will submit an application for the renewal of their atmospheric emissions licence to the licensing authority, Eden District Municipality.

This application will be submitted in terms of chapter 5 of the National Environmental Management: Air Quality Act, 2004 (Act No. 39 of 2004) for the existing brick manufacture facility on the site.



Why is this application process necessary?

Regulations in terms of the National Environmental Management: Air Quality Act have listed a number of activities which result in emissions and which may have a significant detrimental effect on the environment.

Any industry that undertakes any of these "listed activity" must be in possession of a valid atmospheric emissions licence from the licencing authority.

The manufacture of Bricks in Clamp Kilns, as is undertaken by Kurlandbrik is listed under category 5, sub category 5.2 of these regulations.

Kurlandbrik have a valid Atmospheric Emissions Licence which is Valid until 31 July 2018. The application underway is to renew this existing licence only

Cape Environmental Assessment Practitioners (Cape EAPrac) have been appointed, as independent environmental assessment practitioners (EAP), to facilitate the legally required public participation process.

What is the purpose of this document?

The main purpose of this **Background Information Document (BID)** is to:

- Provide potential "Interested and Affected Parties" (I&APs) with information regarding the existing facility;
- Describe the process being undertaken;
- Provide I&APs with the opportunity to raise issues or concerns regarding the renewal of this licence;
- Provide information on the way-forward for the remainder of the process.

Description of the site & surrounding environment

The site falls within the **Bitou** municipal area of the Western Cape Province of South Africa.

It is situated in Kurland, approximately 15km North East of Plettenberg Bay.. The N2 Highway borders the site to the West



The Kurland township is situated to the South of the site (on the opposite edge of the existing clay mining area)



The site is bordered on the East by the Salt River.

The fine scale planning undertaken as part of the Garden Route Initiative classifies the site as transformed (a portion of the property on the edge of the salt river is classified as a critical biodiversity area). Very little remnants of indigenous vegetation remain on site. There is however indigenous remnants on the eastern portion of the property, but this is not affected by the brick making activities.

What is being proposed?

This application is merely for the renewal of an existing Atmospheric Emissions Licence for an existing facility. **Changes** to or **expansion** of the facility **do not** form part of this application process.

Brick Manufacturing Process

The process entails the manufacture of clay bricks in clamp kilns.

Bricks made by shaping a plastic mass of clay and water, which is then hardened by drying and firing.

In clamp kilns as is the case at Kurlandbrik, some fuel is placed into the body of each brick. The bricks are then packed into a pyramid shaped formation.

The clamp has a layer of coal packed at the bottom. This layer is set alight, it ignites the fuel in the base layer of bricks and progressively, each brick in the pack catches alight.

The process entails the following key components:

- **Mining of aggregate (clay),**



- **Crushing & screening of aggregate,**



- **Blending and mixing of aggregate,**

- **Shaping of “green” bricks (extrusion),**



- **Drying, and**
- **Firing.**



What legislation applies?

This application process is undertaken in terms of the National Environmental Management Air Quality Act (Act 39 of 2004)

Ito the above Act, the following listed activities are applicable:

Category 5, Sub Category 5.2: The production of bricks using clamp kilns.

This activity is relevant to all facilities where bricks are fired in clamp kilns.

Why and how should I get involved?

In the event that you have an **interest** in the project, or feel that you **may be affected** by the issuing of this licence, you are invited to provide comment / objection to the issuing of this licence.

All comments must be submitted in Cape EAPrac in writing by fax, email or post by no later than 25 June 2018.

What does the remainder of the process entail?

Cape EAPrac will formally respond to all comments received during the comment period. Where necessary, specialist input will be sought to inform responses.

On completion of the public participation process, Cape EAPrac will submit a comment and response report for submission to Eden District Municipality.

Based on all available information, EDEN District Municipality will take a decision on whether or not to grant the licence.

If EDEN District Municipality do decide to grant the licence, this decision will be communicated to all parties that provided comment or objection during this public participation process.

An atmospheric emissions licence if issued will contain conditions for annual emissions monitoring of both dust fall out as well as sulphur dioxide (SO₂) to ensure that the minimum emissions standards are complied with. Any necessary improvements required to address air quality issues will also form part of the licence conditions.

ONLY THOSE PARTIES THAT FORMALLY REGISTER WITH CAPE EAPrac or SUBMIT COMMENT / OBJECTION WILL BE KEPT INFORMED (RECEIVE PROJECT RELATED INFORMATION) THROUGHOUT THE REMAINDER OF THE PROCESS.

***Please make sure to send any comments /
objections, in writing, to:***

Cape EAPrac

ATT: Dale Holder

PO Box 2070, George, 6530

Telephone: 044 874 0365

Facsimile: 044 874 0432

E-mail: dale@cape-eaprac.co.za

Website: www.cape-eaprac.co.za

Comments / Objections must reach this office no later
than:

25 June 2018

