

VAPOROX (PTY) LTD WASTE TYRE PYROLYSIS PLANT

PUBLIC NOTICE OF APPLICATION FOR ENVIRONMENTAL AUTHORISATION, WASTE MANAGEMENT LICENSE AND AN ATMOSPHERIC EMISSION LICENSE (NWDEDECT REFS: NWP/EIA/86/2013 AND NWP/WM/BP3/2013/14; SMS REF:INN-NOR-13-09-02)

BACKGROUND INFORMATION DOCUMENT

Notice is hereby given that an application for environmental authorisation in terms of the EIA Regulations of 2010 (Regulations in terms of Chapter 5 of the National Environmental Management Act of 1998, as amended) has been lodged with the North West Department of Economic Development, Environment, Conservation and Tourism (NWDEDECT). Notice is also given of a Waste Management License Application in terms of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) and an Atmospheric Emission License Application in terms of the National Environmental Management: Air Quality Act, 2004 (Act No. 39 of 2004).

1 Project Names

Environmental Impact Assessment in terms of NEMA, 1998: Vaporox Waste Tyre Pyrolysis Plant, including the storage of dangerous goods (approximately 500m³ of oil, ±5 tons of chemicals, such as catalysts, and 46 cubic tons of Liquefied Petroleum Gas) and the release of emissions from the pyrolysis plant that will require an Atmospheric Emission License.

Waste Management License Application in terms of NEMWA, 2008: Vaporox Waste Tyre Pyrolysis Plant.

2 Legislation

In accordance with the regulations published in R. 545 of 18 June 2010, in terms of section 24(2) and 24D of the National Environment Management Act, 1998 (Act No. 107 of 1998), the applicant is required to carry out a full Environmental Impact Assessment for the following activities:

Application for Environmental Authorisation submitted to the North West Department of Economic Development, Environment, Conservation and Tourism

Listing notice 2, R. 545 of 18 June 2010, Activity No. 3:

“The construction of facilities or infrastructure for the storage, or storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of more than 500 cubic metres”.

Listing notice 2, R. 545 of 18 June 2010, Activity No. 5:

“The construction of facilities or infrastructure for any process or activity which requires a permit or license in terms of national or provincial legislation governing the generation or release of emissions, pollution or effluent and which is not identified in Notice No. 544 of 2010 or included in the list of waste management activities published in terms of section 19 and 20(b) of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) in which case that Act will apply.”

Listing notice 2, R. 545 of 18 June 2010, Activity No. 26:

“Commencing of an activity, which requires an atmospheric emission license in terms of section 21 of the National Environmental Management: Air Quality Act, 2004 (Act No. 39 of 2004), except where such commencement requires a basic assessment in terms of Notice of No. 544 of 2010.”

Application for a Waste Management License submitted to the North West Department of Economic Development, Environment, Conservation and Tourism

According to GN 921 of 29 November 2013 (National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) List of waste management activities that have, or are likely to have, a detrimental effect on the environment), a waste management license and its associated Basic Impact Assessment process is required for the following activities:

Relevant Notice	Activity Number	Description of the listed activity
Government Notice No. 921 of 29 November 2013	Category A, No. 2	The sorting, shredding, grinding, crushing, screening or bailing of general waste at a facility that has an operational area in excess of 1 000m ² .
Government Notice No. 921 of 29 November 2013	Category A, No. 3	The recycling of general waste at a facility that has an operational area in excess of 500m ² , excluding recycling that takes place as an integral part of an internal manufacturing process within the

		same premises.
Government Notice No. 921 of 29 November 2013	Category A, No. 5	The recovery of waste including the refining, utilisation, or co-processing of waste in excess of 10 tons but less than 100 tons of general waste per day or in excess of 500kg but less than 1 ton of hazardous waste per day, excluding recovery that takes place as an integral part of an internal manufacturing process within the same premises.
Government Notice No. 921 of 29 November 2013	Category A, No. 12	The construction of a facility for a waste management activity listed in Category A of this Schedule (not in isolation to associated waste management activity).

Application for an Atmospheric Emission License to be submitted to the Bojanala Platinum District Municipality or North West Department of Economic Development, Environment, Conservation and Tourism

According to GN 248 of 31 March 2010 (National Environmental Management: Air Quality Act, 2004 (Act No. 39 of 2004) List of activities which result in atmospheric emissions which have or may have a significant detrimental effect on the environment, including health, social conditions, economic conditions, ecological conditions or cultural heritage) an atmospheric emission license is required for the proposed waste tyre pyrolysis plant based on the following activity:

Listed Activity Number	Category of Listed Activity	Description of the Listed Activity	Application of the Listed Activity
Category 3: Carbonization and Coal Gasification	3.4. Char, charcoal and carbon black production	Char, charcoal and carbon black production (excluding electrode paste production)	All installations

3 Applicant

Vaporox (Pty) Ltd.

4 Location

The project site is on Portion 0 of Erf 37, Bodirelo Township, JQ, North West Province. GPS coordinates for the site are: 25°16'12.40"S; 27°16'25.36"E. The site is situated within the Moses Kotane Local Municipality of the Bojanala Platinum District Municipality, North West Province.



Figure 1: Google earth image of site

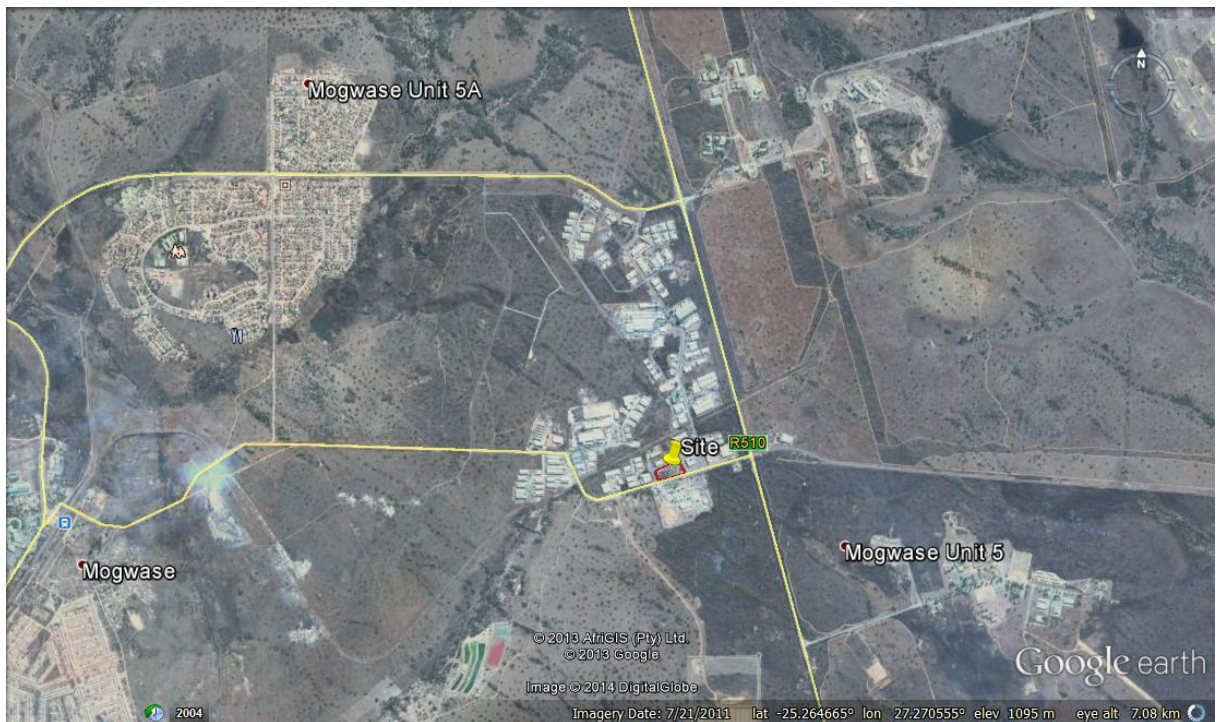


Figure 2: Google earth image of the areas surrounding the site

5 Environmental Consultants

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7 Official – EIA Application in terms of NEMA, 1998

North West Department of Economic Development, Environment, Conservation and Tourism

Official: Ms Queen Imasiku

Tel: 014 597 3597

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8 Official – Waste Management License Application in terms of NEMWA, 2008

North West Department of Economic Development, Environment, Conservation and Tourism

Official: Ms Joyce Mautsu

Tel: 018 389 5091

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9 Activity Description

Vaporox (Pty) Ltd wishes to construct and operate a waste tyre pyrolysis plant on the previously mentioned property. Pyrolysis is defined as thermal decomposition in an oxygen-free environment. At the facility, waste tyres will be stored, shredded and processed in the pyrolysis plant to produce steel, oil and char. The char will be further processed to Carbon black.

10 Public Participation Process

Public participation is an integral part of the full Scoping and Environmental Impact Assessment process and the Basic Environmental Impact Assessment process, and will include the following components:

First part of the Public Participation:

The primary purpose of this phase is to give potential interested and affected parties (I&APs) an opportunity to register as an interested or affected party.

Comment on the Scoping Report and Environmental Impact Assessment Report (Environmental Authorisation application):

The draft Scoping Report will be made available to registered I&APs to provide them with an opportunity to comment, in writing, on this document before it is submitted to the competent authority.

All comments received will be included in a comments and responses report compiled by the Environmental Assessment Practitioner. This report will describe the issue raised, the date it was raised and by whom, and how the issue will be, or has been dealt with.

The comments that are received on the draft Scoping Report are included in the final Scoping Report prior to submission to the competent authority.

Following the submission of the Scoping Report, a draft Environmental Impact Report (EIR) and Environmental Management Programme (EMP) will be made available to I&APs. Comments on the draft EIR and EMP will also be incorporated into the final EIR and EMP prior to their submission to the competent authority.

Comment on the Basic Assessment Report (Waste Management License Application):

The draft Basic Assessment Report will be made available to registered I&APs to provide them with an opportunity to comment, in writing, on this document before it is submitted to the competent authority.

All comments received will be included in a comments and responses report compiled by the Environmental Assessment Practitioner. This report will describe the issue raised, the date it was raised and by whom, and how the issue will be, or has been dealt with.

The comments that are received on the draft Basic Assessment Report are included in the final Basic Assessment Report prior to submission to the competent authority.

Invitation to Participate

Should you require any further information or wish to register as I&AP and/or inform us of any other I&APs and/or organisation and/or organ of state who should be notified, please contact [Lizette Crous](#) before the expiry date on **31st of March 2014.**

