

ANNEXURE 1: REASONS FOR INTEGRATED ENVIRONMENTAL AUTHORISATION

1. Background

The Applicant, **Vaporox (Pty) Ltd** applied for Environmental Authorisation and Waste License to carry out the following activity:

The 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 pyrolysis plant that will require an atmospheric emission license, on portion 0 of Erf 37 Bodirelo Township, which the jurisdiction of Moses Kotane Local Municipality, North West Province

The applicant appointed **Shangoni Management Services (Pty) Ltd** to undertake Environmental Impact Assessment process as well as Basic Assessment Process required by Regulation 16 of the EIA Regulations, 2010.

2. Information considered in making the decision

In reaching the decision, the Department took, *inter alia*, the following into consideration -

- a) The information contained in the Environmental Impact Assessment Report compiled by Shangoni Management Services (Pty) Ltd received by the Department on 03 March 2015, Basic Assessment Report for Waste license application received on 23rd March 2015, and comments received from Bojanala Platinum District Municipality on 29 June 2015.
- b) All mitigation measures and recommendations as contained in the Environmental Impact Assessment Report and the Environmental Management Programme received on 03 March 2015.
- c) The objectives and requirements of relevant legislation, policies and guidelines, including Section 2 of the National Environmental Management Act, 1998 (Act No. 107 of 1998) as amended.
- d) The findings of a site visit undertaken by the Department official Ms. Queen Imasiku (Development Impact Management) with Ms. Lizette Crous and Ms. Patricia van der Walt of Shangoni Management Services (Pty) Ltd on 24 July 2014, and another site visit undertaken by Ms. Antoinette Tseladimmitwa (Waste Management) with Ms. Lizette Crous of Shangoni Management Services (Pty) Ltd on 29 April 2015.

3. Key factors considered in making the decision

All information presented to the Department was taken into account. A summary of the issues which, in the Department's view, were of the most significance is set out below:

- a) Details provided of the qualifications of the EAP indicate that the EAP is competent to carry out the Environmental Impact Assessment (EIA) procedures.
- b) The Environmental Impact Assessment Report received on 03 March 2015, Basic Assessment Report for Waste license application received on 23rd March 2015 and comments received from Bojanala Platinum

District Municipality on 29 June 2015, included a description of the environment that may be affected by the activity and the manner in which the physical, biological, social, economic and cultural aspects of the environment may be affected by the proposed activity.

- c) The Environmental Impact Assessment Process was conducted in terms of the prescribed Regulations.
- d) A sufficient public participation process was undertaken and the applicant has satisfied the minimum requirements as prescribed in the EIA Regulations of 2010 for public involvement. The development was advertised in "Rustenburg Herald" and "Beeld" dated 21 February 2014 as part of the public participation process.
- e) The legal and procedural requirements have been complied with and the information contained in the document is to the satisfaction of this Department.

4. Findings

After consideration of the information and factors listed above, the Department made the following findings –

- a) The pyrolysis process is an effective way to eliminate the present build-up waste tyres in South Africa. Currently, waste tyres are disposed of at landfill sites, where they take up valuable air space, and are stockpiled or dumped in residential, rural and industrial areas across the country.
- b) The mitigation measures proposed in the Environmental Management Programme are acceptable and practical for implementation.
- c) The identification and assessment of impacts are detailed in the Environmental Impact Assessment Report and sufficient assessment of the key identified issues and impacts have been completed.
- d) The procedure followed for impact assessment is adequate for the decision-making process
- e) Findings from specialists' reports support the development with mitigation measures.

In view of the above, the Department is satisfied that, subject to compliance with the conditions contained in the Integrated Environmental Authorisation, the activity will not conflict with the general objectives of Integrated Environmental Management laid down in Section 23 (2) (a-f) of Chapter 5 of National Environmental Management Act, 1998 (Act No. 107 of 1998) as amended and that any potentially detrimental environmental impacts resulting from the activity can be mitigated to acceptable levels. **The application is accordingly granted.**

