

BACKGROUND INFORMATION DOCUMENT - CHARLIE 1 OPTIMISATION AND STORMWATER MANAGEMENT PROJECT, SASOL SYNFUELS SECUNDA, MPUMALANGA PROVINCE – JULY2015

DEA Ref: TBA

1 What does this document tell you?

This document aims to provide you, as an Interested and Affected Party (I&AP), with background information regarding the proposed Charlie 1 Optimisation and Stormwater Management Project at Sasol Synfuels Secunda, Mpumalanga Province. The document also provides information regarding the Environmental Impact Assessment (EIA) process to be undertaken. Furthermore, the document advises how you can become involved in the project, receive information and/or raise issues, which may concern and/or be of interest to you. The sharing of information forms the basis of the public participation process and offers you the opportunity to become actively involved in the project from the outset. Public participation plays an important role in informing the environmental impact assessment process as input from I&APs ensures that all potential issues are considered within the study.

2 What is the proposed project all about?

The Sasol Synfuels, Secunda, Charlie 1 landfill site was authorised in 1993 as a Class II Site, in terms of the Environmental Conservation Act (ECA) (No. 73 of 1989). Recent changes in legislation such as the National Environmental Management: Waste Act, 2008 (No. 59 of 2008) and the Waste Classification and Management Regulations, 2013 (GN R. 634) have implications for the management of waste disposal sites.

To ensure compliance with the existing permit requirements, two ponds namely: Contaminated Stormwater Pond and Contaminated Leachate Pond of approximately 15 000 m³ and 1 500 m³ respectively, will need to be constructed. The ponds will ensure effective management of leachate and stormwater generated from the landfill site.

The ponds will be constructed on agricultural land with discretionary land-use rights adjacent to the western boundary of the existing landfill site on the farm Driehoek 275 IS, Ptn 43 remaining extent (as seen in the attached locality map). The footprint of area where the ponds will be constructed is approximately 2 ha.

It is currently proposed that contaminated stormwater from the Charlie 1 landfill site is captured in perimeter drains along the northern, western and southern boundary. This water is then gravity fed via a silt trap to the contaminated stormwater pond. Upslope clean stormwater is diverted away from the site by a berm located along the eastern boundary.

Contaminated shallow seepage, or leachate, is captured in a subsoil “curtain” interception drain, located along the south-western and northern boundaries of the site. This is gravity fed via a collection pipe located approximately 3 m below the ground to a sump located in the north-western corner of the site. From this sump, leachate is pumped into the contaminated leachate pond.

Sasol also proposes increasing the existing landfill height up to 20 m to achieve the required airspace for the remaining life of the landfill.

3 Alternatives

In terms of the EIA Regulations (2014), feasible alternatives are required to be considered within the EIA process. All identified, feasible alternatives are required to be evaluated in terms of social, biophysical, economic and technical factors.

4 What are the potential environmental impacts associated with the proposed project?

A number of potential environmental impacts associated with the project have been identified. As part of the EIA study, these potential impacts

will be assessed through the following specialist studies:

- Wetland Assessment.
- Ecological Assessment.

This EIA study also relies on previous conducted studies (i.e. water resources, pre-feasibility and feasibility assessments) for the project.

5 Why are environmental studies needed?

An EIA is an effective planning and decision-making tool, which allows for the identification of potential environmental consequences of a proposed project, and its management through the planning process.

In order to obtain the necessary waste management licence from the Department of Environmental Affairs (DEA) a full Scoping and EIA study will be undertaken to satisfy the waste management licencing process,

The EIA studies will be undertaken, respectively, in terms of Government Notice 921 of 2013 of the National Environmental Management: Waste Act, 2008 (No 59 of 2008).

GN 921 of the NEM: Waste Act

GN 921	Activities
Category A	13
Category B	1, 5 and 10

6 Water Use Licence

In order to obtain the necessary water use approval from the Department of Water and Sanitation (DWS), a water use licence will be applied for in terms of Section 21g of the National Water Act, 1998 (No. 36 of 1998).

7 What is your role?

Sasol South Africa Pty Ltd has appointed the environmental team from Royal HaskoningDHV, as the independent Environmental Assessment Practitioners (EAPs), to undertake the

environmental studies to identify and assess all potential environmental impacts associated with the proposed project. As part of these environmental studies, all I&APs will be actively involved through a public participation process.

If you consider yourself an I&AP for the proposed project, we encourage you to make use of the opportunities created by the public participation process to become involved in the process and raise the issues and concerns which affect and/or interest you, and about which you require more information.

By completing and submitting the accompanying registration form, we will ensure that you are registered as an I&AP for the project, and that your concerns or queries regarding the project will be noted. We will also ensure that you are provided with future information pertaining to the project as well as the availability of the Environmental Reports (i.e. Scoping & EIR Report) for comment.

8 Comments and Queries

Direct all comments, queries or questions to:

Royal HaskoningDHV – Nicole Botham

📍 PO Box 25302, Monument Park 0105

☎ 012-367 5800

📠 012-367 5878

✉ nicole.botham@rhdhv.com

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REGISTRATION AND COMMENT FORM

Please **complete** in full and return to:

Nicole Botham

✉ PO Box 25302, Monument Park, 0105 ☎ Phone: (012) 367 5800

✉ E-mail: nicole.botham@rhdhv.com ☎ Fax: (012) 367 5878

TITLE (Prof/Mr/Mrs)		FIRST NAME	
SURNAME			
CAPACITY (Landowner, member etc.)			
ORGANISATION (if applicable)			
POSTAL ADDRESS		POSTAL CODE	
TEL:		CELL:	
FAX:		E-MAIL:	

1. What is your main area of interest with regards to the proposed project?

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2. Are there any concerns you would like to raise, at this stage, regarding the proposed project?

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3. Are there any additional role-players whom we should involve in the process?

YES/NO

If “**yes**”, please provide us with their contact details (Name, address & telephone no):

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.....

NAME:	SIGNATURE:
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THANK YOU FOR YOUR TIME

Sasol Charlie 1 Landfill Stormwater Management and Optimisation Project Secunda, Mpumalanga


LOCALITY MAP

- Minor Roads
- Regional Road
- National Road
- Pollution Control Pond Area
- Existing Landfill

Scale

1 Kilometers

1:100 000



 **Royal HaskoningDHV**
Enhancing Society Together
Fountain Square
78 Kalkoen Street
Monument Park Ext 2
0181
T +27 (0)12 3675800
W www.rhdhv.co.za

