



NOTIFICATION OF INTENT TO DEVELOP

Digby Wells Reference: SAS1744

Date: 31 October 2013

BASIC ASSESSMENT UNDERTAKEN FOR A POWERLINE UPGRADE, SYFERFONTEIN MINE, SECUNDA, MPUMALANGA PROVINCE

1 INTRODUCTION

Sasol Mining (Pty) Ltd (Sasol) has commissioned Digby Wells Environmental (Digby Wells) to conduct a Basic Assessment and associated studies for the proposed powerline upgrade on the Syferfontein Mine near Secunda, Mpumalanga Province.

1.1 Project Location

Name of property	Syferfontein Mine
Street address or location (e.g.: Off R44)	Off the N17 near Kinross
Erf or farm numbers	Van Schalkwykrust 188 IS, Zwakfontein 120 IS, Tweedraai 139 IS
Coordinates of approximate centre of project area	26°24'34.75"S
	29°13'6.32"E
Town or district	Kinross, Secunda
Responsible municipality	Govan Mbeki Local Municipality
Extent of property	1002 ha

Maximum extent of proposed development	6.3 km
Current use	Residential, agricultural, mining
Predominant land uses of surrounding properties	Residential, agriculture, mining

1.2 Registered Owners of Properties

Property	Name
Syferfontein Mine	Sasol Mining (Pty) Ltd

2 PROJECT DETAILS

Sasol is planning to extend the existing Syferfontein Mine into the adjacent Block 4 reserves towards the north-west of the Syferfontein reserves. An existing powerline located on the Syferfontein Mine property must be upgraded in order to sustain the proposed Block 4 operation. The proposed upgrade of the existing powerline is a Listed Activity requiring a Basic Assessment in the current mining right area.

The proposed upgrade will not involve any extension of the existing powerline nor will the supporting structure of the powerline be replaced. Instead, the 22 kV powerline (cable) will be replaced by a 132 kV powerline. The Basic Assessment will be compiled in accordance with the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA).

An Environmental Management Programme (EMP) and Integrated Water Use Licence Application (IWULA) for the existing Syferfontein Mine are available. Specialist studies including archaeology and heritage studies were conducted for the current EMP in 2010.

2.1 NHRA Section 38 Triggers

The following aspects of Section 38 of the NHRA may be triggered by the proposed project.'

	NHRA Section 38 (1) Activities / Triggers		Summary description (E.g. 500 m conveyor belt, open cast pit, etc.)
<input type="checkbox"/>	a	The construction of any linear development or barrier > 300 m	
<input type="checkbox"/>	b	The construction of any bridge or similar structure > 50 m	
<input type="checkbox"/>	c	Any development or activity that will change the character of a site:	
	<input type="checkbox"/>	i $\geq 5\,000\text{ m}^2$ in extent	
	<input type="checkbox"/>	ii Involving ≥ 3 existing erven / subdivisions	

NHRA Section 38 (1) Activities / Triggers			Summary description (E.g. 500 m conveyor belt, open cast pit, etc.)
<input type="checkbox"/>	iii	Involving ≥ 3 or more erven / divisions consolidated within past 5 years	
<input type="checkbox"/>	d	Rezoning of a site $\geq 10\,000\text{ m}^2$ in extent	
<input checked="" type="checkbox"/>	e	Other triggers, e.g.: in terms of other legislation, (i.e.: National Environment Management Act, etc.)	NEMA

2.2 Activities

The following activity will take place during the life span of the proposed project.

NEMA activity no.	NHRA trigger	Description	Expected duration / phase
	38(1)(a)	The upgrade of the existing 22 kV powerline to a 132 kV powerline.	Construction Phase

2.3 Additional Impact Assessment Process

The following impact assessment processes are currently being undertaken for the proposed project.

Legislation, e.g. NEMA, MPRDA, etc.	NEMA
Consenting Authority that has / will receive information	Department of Environmental Affairs
Present phase of process at Authority, e.g. Draft Scoping Report	Application

3 IDENTIFIED HERITAGE RESOURCES AND POTENTIAL IMPACTS

The following categories of heritage resources as defined in Section 3 of the NHRA are known to occur within the proposed project area. For a more detailed description of the cultural landscape please refer to the attached Heritage Statement.

<input checked="" type="checkbox"/>	3(2)(a)	Places, buildings, structures and equipment of cultural significance
		<i>Description of resource:</i> Built structures possibly older than 60 years.
		<i>Potential impact:</i> The upgrade of the existing powerline will not impact on any built structures.
<input type="checkbox"/>	3(2)(b)	Places to which oral traditions are attached or which are associated with living heritage
		<i>Description of resource:</i>
		<i>Potential impact:</i>
<input type="checkbox"/>	3(2)(c)	Historical settlements and townscapes
		<i>Description of resource:</i>
		<i>Potential impact:</i>
<input type="checkbox"/>	3(2)(d)	Landscapes and natural features of cultural significance
		<i>Description of resource:</i>
		<i>Potential impact:</i>
<input type="checkbox"/>	3(2)(e)	Geological resources of scientific or cultural importance
		<i>Description of resource:</i>
		<i>Potential impact:</i>
<input checked="" type="checkbox"/>	3(2)(f)	Archaeology and / or palaeontology (Including archaeological sites and material, fossils, rock art, battlefields & wrecks)
		<i>Description of resource:</i> Iron Age stone walls & fossils
		<i>Potential impact:</i> The upgrade of the existing powerline will not impact on any archaeological and / or palaeontological resources.
<input checked="" type="checkbox"/>	3(2)(g)	Graves and burial grounds (e.g.: ancestral graves, graves of victims of conflict, historical graves & cemeteries)
		<i>Description of resource:</i> Burial grounds and graves

		<i>Potential impact:</i> The upgrade of the existing powerline will not impact on any burial grounds and graves.
<input type="checkbox"/>	3(2)(a)	Other human remains
		<i>Description of resource:</i>
		<i>Potential impact:</i>
<input type="checkbox"/>	3(2)(h)	Sites of significance relating to the history of slavery in South Africa
		<i>Description of resource:</i>
		<i>Potential impact:</i>
<input type="checkbox"/>	3(2)(i)	Movable objects
		<i>Description of resource:</i>
		<i>Potential impact:</i>

3.1 Illustrative Material

Plan 2 on Page 7 illustrates the regional setting of the project area. Identified heritage resources in the project area are illustrated in Plan 6 on Page 8. For additional maps please refer to the attached Heritage Statement.

4 RECOMMENDATION

Is a Heritage Impact Assessment required?		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<p>If NO, provide motivation: During the construction phase of the project, infrastructure that will be upgraded includes the existing 22 kV powerline on the current mining right area. The existing 22 kV powerline will be upgraded to a 132 kV powerline. The increased presence of workers required for the upgrade of the 22 kV powerline to a 132 kV powerline during the construction phase may result in intentional / unintentional damage to heritage resources however this is a short term risk that can be managed through the implementation of Chance Find Procedures. It is therefore recommended that this aspect of the project be wholly exempted from a HIA including components such as:</p> <ul style="list-style-type: none"> ■ Built Environment Assessment; ■ Archaeological Impact Assessment; ■ Phase 1 Palaeontological Assessment; and ■ Burial Grounds and Graves Assessment; and ■ Visual Impact Assessment. <p>In the event that any heritage resources are identified, the client should adopt appropriate Chance Find Procedures that can be completed on request.</p>			
If YES, provide suggested components that may be required or undertaken during HIA.			
<input type="checkbox"/>	Archaeology	<input type="checkbox"/>	Architecture
<input type="checkbox"/>	Built Environment	<input type="checkbox"/>	Burial Grounds and Graves
<input type="checkbox"/>	Palaeontology	<input type="checkbox"/>	Public Participation
<input type="checkbox"/>	Townscapes	<input type="checkbox"/>	Visual Impact
<input type="checkbox"/>	Other:		
<p>Recommendation made by: Digby Wells Environmental Name: Shahzaadee Karodia Capacity: Assistant Heritage Consultant & Palaeontological Specialist</p>			

Plan 1

Plan 2: Regional setting of the project and study areas, 1:50 000

Plan 3Plan4Plan 5

Plan 6: Identified heritage resources in the project area, 1:10 000