



## **environmental affairs**

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

Private Bag X447, Pretoria, 0001, Environment House, 473 Steve Biko Road, Pretoria, 0002 Tel: +27 12 399 9000, Fax: +27 86 625 1042

Ref No.: 12/9/11/L191018144256/2/N/Exclusion Application  
Enquiries: Mr Lucas Mahlangu  
Tel: (012) 399 9790. Email: LMahlangu@environment.gov.za  
[www.environment.gov.za](http://www.environment.gov.za)

Sasol South Africa (LTD)  
PO Box 1  
SASOLBURG  
1947

Email: [koos.fourie@sasol.com](mailto:koos.fourie@sasol.com) / [johann.vanwyk1@sasol.com](mailto:johann.vanwyk1@sasol.com)

Attention: Koos Fourie

**APPLICATION FOR EXCLUSION OF WASTE STREAM OR PORTION OF WASTE STREAM FROM THE DEFINATION OF WASTE IN TERMS OF GN 715 OF 18 JULY 2018: FOR THE PROPOSED PRESS FILTER CAKE FOR SASOL SOUTH AFRICA (LTD), FREE STATE PROVINCE.**

The Department confirms having received your application in terms of the exclusion Regulations on 18 October 2019.

Your application is being processed and has been assigned with a reference number (12/9/11/L191018144256/2/N/Exclusion Application). Kindly quote this reference number in any future correspondence in respect of your application. The responsible officer for the processing of your application is Ms **Tiyani Baloyi** who can be contacted on (012) 399 9491 or [TIBaloyi@environment.gov.za](mailto:TIBaloyi@environment.gov.za).

Should you require further detailed information, please do not hesitate to contact this office.

Yours sincerely

**Ms Michelle Govender**

**Chief Director: Chemicals and Waste Management**

**Letter signed by: Mr. Lucas Mahlangu**

**Designation: Control Environmental Officer Grade B: System Management**

Date: 2019/10/21





DEPARTMENT OF  
ENVIRONMENT, FORESTRY AND  
FISHERIES  
PRINCE KHOSLANI  
DATE: 18/10/2019



Our ref: SO-env-582

16 October 2019

Mr Lucas Mahlangu  
Department of Environment, Forestry and Fisheries  
Environment House  
473 Steve Biko Road  
Arcadia  
Pretoria  
0083

Sent by mail: [lmahlangu@environment.gov.za](mailto:lmahlangu@environment.gov.za)

Dear Mr Mahlangu,

**Application for the exclusion of a waste stream or portion of a waste stream in terms of National Environmental Management: Waste Act, 2008 (Act No 59 of 2008), as amended.**

**Press Filter Cake in beneficial use in the carbon and Alternative Fuels & Resources (AFR) sectors**

Please find attached the following documents in support of Sasolburg Operations' application to exclude press filter cake from the definition of waste for the beneficial use in the Carbon and Alternative Fuels & Resources (AFR) sectors:

1. Application form;
2. Production process flow chart;
3. Waste classification;
4. Risk assessment report; and
5. Risk management plan.

The beneficial uses for coarse soot in the carbon and AFR sector are:

1. Replacement material substitute for specialised carbon products
2. AFR

Please acknowledge receipt of this request and advise on our application.

Yours faithfully,

A rectangular box containing a handwritten signature in black ink. Below the signature, the text reads: "Johann van Wyk", "2019-10-19 11:26:10 +02:00", and "I accept".

Johann van Wyk  
2019-10-19 11:26:10 +02:00  
I accept

**Johann van Wyk**  
**SHE Environment Manager Waste, Land & Biodiversity**  
**Sasolburg Operations**

Tel: +27 (0) 16 920 3059  
Fax: +27 (0) 11 522 8712  
Email: [johann.vanwyk1@sasol.com](mailto:johann.vanwyk1@sasol.com)

**Sasol South Africa Limited** 1968/013914/08

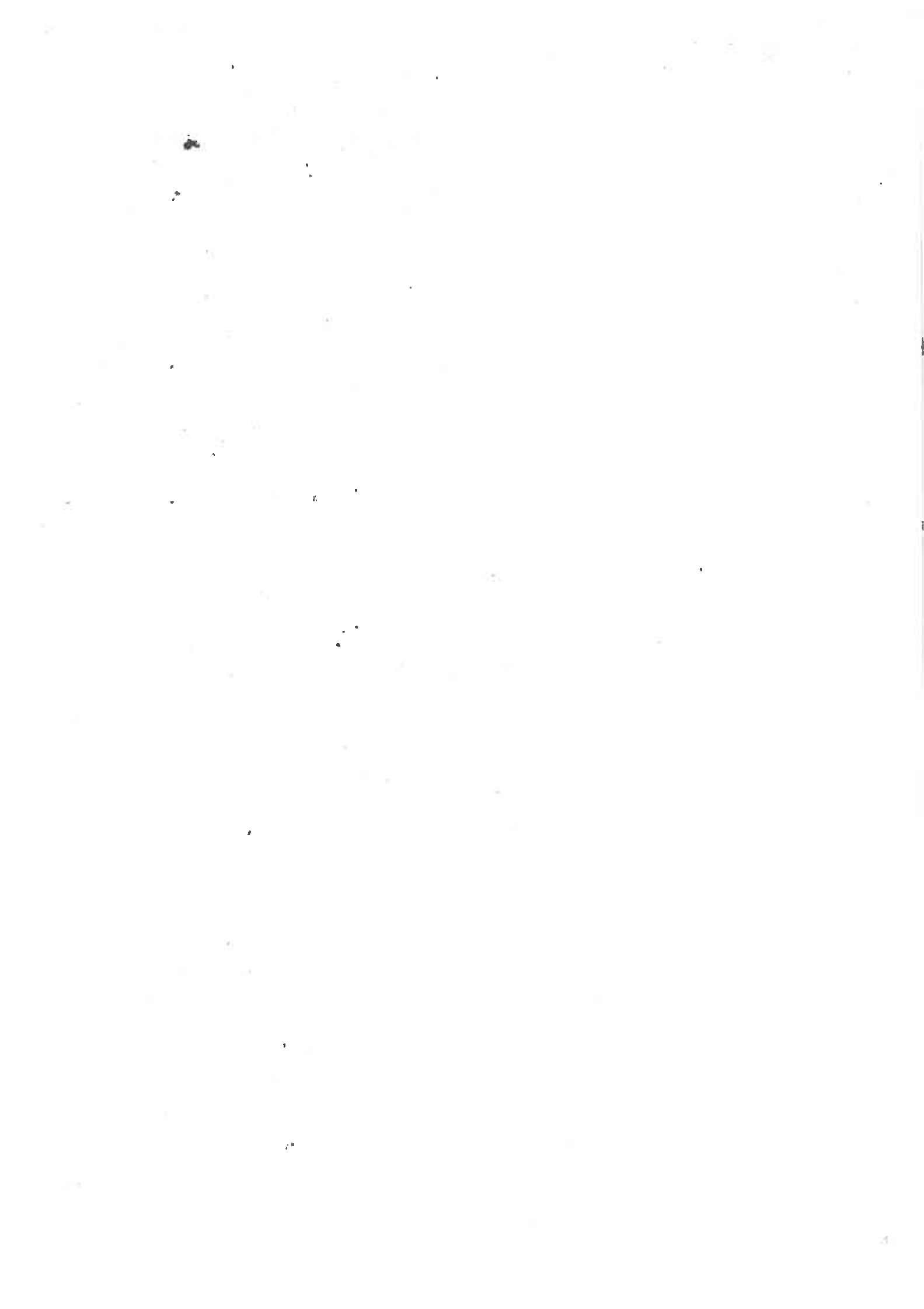
Sasol Place 50 Katherine Street Sandton 2146 South Africa Private Bag X10014 Sandton 2146 South Africa  
Telephone +27 (0)10 344 5000 Facsimile +27 (0)11 788 5092 [www.sasol.com](http://www.sasol.com)

Directors: VD Kahla (Chairman) B Bajjnath T Booley RM Laxa NP Magaqa Z Monnagotla CK Mokoena M Solomon ET Stouder (American)  
LB Zondo

Company Secretary: M du Toit

**Sasol Sasolburg Operations**

1 Klesie Havenga Road Sasolburg 1947  
+27 (0) 16 960 9111 [www.sasol.com](http://www.sasol.com)





## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

### APPLICATION FORM FOR EXCLUSION OF WASTE STREAM OR PORTION OF WASTE STREAM FROM THE DEFINITION OF WASTE IN TERMS OF GN 715 OF 18 JULY 2018.

	(For official use only)
File Reference Number:	12/9/11
NEAS Reference Number:	
Date Received:	

Application for exclusion of waste stream or portion of waste stream in terms of the National Environmental Management: Waste Act, 2008(Act No.59 of 2008), as amended.

#### Kindly note that:

1. This application form is current as of 18 July 2018. It is the responsibility of the applicant to ascertain whether subsequent versions of the form have been published or produced by the competent authority.
2. The application must be typed within the spaces provided in the form. The sizes of the spaces provided are not necessarily indicative of the amount of information to be provided. Spaces are provided in tabular format and will extend automatically when each space is filled with typing.
3. Where applicable **black out** the boxes that are not applicable in the form.
4. Incomplete applications may be returned to the applicant for revision.
5. The use of the phrase "not applicable" in the form must be done with circumspection. Should it be done in respect of material information required by the competent authority for assessing the application, it may result in the refusal of the application as provided for in the Regulations.
6. This application must be handed in at the offices of the relevant competent authority as determined by the Act and regulations.
7. Unless protected by law, all information filled in on this application will become public information on receipt by the competent authority. Any interested and affected party should be provided with the information contained in this application on request, during any stage of the application process.

**Queries must be addressed to the contact hereunder:**

**Departmental Details**

**Postal address:**

Department of Environmental Affairs  
Attention: Director: Licensing  
Private Bag X447  
Pretoria  
0001

**Physical address:**

Department of Environmental Affairs  
Environment House (473 Steve Biko Rd, corner: Steve Biko and  
Soutpansberg Rds)  
Arcadia X6  
PRETORIA  
0002

Application queries should be directed to the Sub-Directorate: Waste  
Licensing Systems Management on:

Tel :012 3999791: Email: Imahlangu@environment.gov.za

**COMMENCEMENT: Has the activity (ies) commenced: Yes or No**

<b>Beneficial use</b>	<b>Commencement</b>
a. Raw material substitute for specialized carbon product	No
b. AFR	No
c.	

**If yes, provided estimated time frame:**

<b>Beneficial use</b>	<b>Estimated time frame</b>

**WASTE STREAM/PORION OF WASTE STREAM**

Press filter cake

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**BENEFICIAL USE**

<b>Beneficial use</b>
a. Raw material substitute for specialized carbon product
b. AFR
c.

**IDENTIFICATION AND LINKAGE****SITE CO-ORDINATES**

Please provide the geographic co-ordinates of all corners of the waste generating site; in degrees, decimal minutes, and seconds for all sites (Indicate the position of the activity using the latitude and longitude of the centre point of the site for each alternative site). Provide geographic coordinates for all corners of the facility(ies) ONLY THE FORMAT PRESCRIBED (e.g. 60° 29' 30" Latitude; 34° 20' 15" Longitude)

**Coarse Ash dump within the fine ash dam 1,2 & 3 complex**

26°49'28.34"S: 27°50'11.06"E

26°49'50.27"S: 27°50'23.71"E

26°50'20.40"S: 27°50'5.04"E

26°50'8.79"S: 27°49'33.59"E

26°49'48.31"S: 27°49'28.40"E

Coarse ash dump centre point 26°50'20.50"S: 27°50'7.10"E

**1. BACKGROUND INFORMATION**

Applicant :	Sasol South Africa (Ltd)		
Trading name (if any):	Sasol South Africa (Ltd)		
Contact person:	Koos Fourie (Sasolburg Operations (SO): Senior Manager Poly2,3/Cyanide)		
Physical address:	Bergius Road, Sasolburg, 1947		
Postal address:	P.O. Box 1 Sasolburg		
Postal code:	1947	Cell:	+27 82 808 1965
Telephone:	+27 16 920 3081	Fax:	
E-mail:	koos.fourie@sasol.com		

**SAWIS  
registration  
Number of  
applicant:**

D01443-03

**Contact person:**

Koos Fourie (Sasolburg Operations (SO): Senior Manager  
Poly2 3/Cyanide)

**Postal address:**

P.O. Box 1

Sasolburg

**Postal code:**

1947

**Cell:**

+27 82 808 1965

**Telephone:**

+27 16 920 3081

**Fax:**

**E-mail:**

koos.fourie@sasol.com

**Nearest town or  
districts:**

Sasolburg (Metsimaholo municipality)

In instances where there is more than one local authority involved, please attach a list of local authorities with their contact details to this application.

**2. DETAILED DESCRIPTION OF WASTE GENERATING PROCESS (Attach supporting illustrations)**

<b>Supporting documents attached?</b>	<b>Yes</b>	<b>No</b>
<b>Production Process Flow Chart</b>	X	
<b>Waste Classification (general or hazardous)</b>	X	
<b>Risk Assessment Report</b>	X	
<b>Risk Management Plan</b>	X	



**3. DECLARATIONS**

**3.1 The Applicant**

I, **Koos Fourie**, declare that I -

- am, or represent<sup>1</sup>, the applicant in this application;
- will provide the Minister with access to all information at my disposal that is relevant to the application;
- will be responsible for the costs incurred, in respect of the undertaking of any process required in terms of the Regulations;
- hereby indemnify the Government of the Republic, the competent authority and all its officers, agents and employees, from any liability arising out of the content of any report, any procedure or any action which the applicant is responsible for in terms of these Regulations;
- will perform all other obligations as expected from an applicant in terms of the Regulations;
- all the particulars furnished by me in this form are true and correct; and
- I realise that a false declaration is an offence in terms of regulation 14(1) of these regulations and is punishable in terms of regulation 14(2) of these Regulations.

Signature of the applicant<sup>2</sup>/ Signature on behalf of the applicant:

*Sasol South Africa Ltd (Sasolburg Operations)*

Name of company (if applicable):

*16/10/2019*

Date:

Signature of the Commissioner of Oaths:

*16 October 2019*

Date:

Designation:

Official Stamp



<sup>1</sup>If this is signed on behalf of the applicant, proof of such authority from the applicant must be attached.

<sup>2</sup>If the applicant is a juristic person, a signature on behalf of the applicant is required as well as proof of such authority. An EAP may not sign on behalf of an applicant.





## environmental affairs

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### RISK ASSESSMENT IN TERMS OF REGULATION 8 OF THE WASTE EXCLUSION REGULATIONS

<b>APPLICANT</b>	Sasol South Africa (Ltd)
<b>WASTE STREAM OR PORTION OF A WASTE STREAM</b>	Press filter cake
<b>BENEFICIAL USE/S</b>	Press filter cake be beneficially utilised in the carbon and Alternative Fuels & Resources (AFR) sectors. Its uses may include but are not limited to:  (a) AFR (b) Raw material substitute for specialty carbon products
<b>WASTE GENERATING FACILITY OR FACILITIES</b>	
<b>PHYSICAL ADDRESS OF FACILITY OR FACILITIES</b>	Bergius Road, Sasolburg, 1947
<b>GPS CO-ORDINATES OF WASTE GENERATING FACILITY OR FACILITIES</b>	Cyanide plant, Midlands site 26°49'53.51"S: 27°52'03.76"E 26°49'57.08"S: 27°52'07.16"E 26°50'0.58"S: 27°52'03.60"E 26°49'57.79"S: 27°51'58.71"E 26°49'57.22"S: 27°52'03.44"E (centre point)
<b>CONTACT PERSON</b>	
<b>NAME</b>	Koos Fourie (Sasolburg Operations (SO): Senior Manager Production, Poly2,3/Cyanide)
<b>ADDRESS</b>	P.O. Box 1 Sasolburg 1947
<b>EMAIL ADDRESS</b>	koos.fourie@sasol.com
<b>TELEPHONE</b>	+27 16 920 3081

	+27 82 808 1965	
<b>* DETAILED DESCRIPTION OF WASTE GENERATING PROCESS</b>	Current Sasolburg Operations (SO) process: Press filter sludge is removed from the plant when either Cyanide or effluent water is filtered through a press filter. When the press filter starts to block up the plates are opened up and the cake is scraped off from the individual plates with a scrapper before being closed up and rinsed. This "dry" sludge cake is then discarded into a bulk bags	
<b>PRODUCTION PROCESS FLOW CHART ATTACHED</b>	<b>YES X</b>	<b>NO</b>
<b>IDENTIFICATION OF HAZARDS</b>		
<b>WASTE CLASSIFICATION</b>	<b>HAZARDOUS</b>	<b>GENERAL</b>
	<b>X</b>	
<b>IF WASTE IS HAZARDOUS LIST THE HAZARDS OF THE WASTE</b>	<b>Health hazards due to the presence of cyanide</b>	
<b>*A process flow chart must be attached to the process description</b>		

## RISK ASSESSEMENT WITHOUT MITIGATION

Beneficial use of press filter cake in the carbon and Alternative Fuels & Resources (AFR) sectors (Raw material substitute for speciality carbon products & AFR)

Activity	Risk Description	Environmental receptors	Impact	Assessment of the risk				Significance
				Probability	Magnitude	Duration	Scale	
1. Loading of press filter cake onto trucks	Loss of containment of press filter cake	Air	<ul style="list-style-type: none"> <li>Localised dust generation</li> <li>Air pollution</li> </ul>	Inherent: Definite: 5	Inherent: Minor: 2	Inherent: Immediate: 1	Inherent: Site only: 1	Inherent: 20, low environmental significance
2. Transportation of press filter cake	Loss of containment of press filter cake	Air	<ul style="list-style-type: none"> <li>Dust generation along transportation route</li> <li>Air pollution</li> </ul>	Inherent: Definite: 5	Inherent: Minor: 2	Inherent: Immediate: 1	Inherent: Local: 2	Inherent: 25, low environmental significance
		Land	<ul style="list-style-type: none"> <li>Load of press filter cake deposited on land in the vicinity of the road</li> <li>Land pollution</li> </ul>	Inherent: Medium probability: 3	Inherent: Low: 4	Inherent: Short term (0 to 12 months): 2	Inherent: Site only: 1	Inherent: 21, low environmental significance
		Water	<ul style="list-style-type: none"> <li>Load of press filter cake deposited in water body in the vicinity of the road</li> <li>Water pollution</li> </ul>	Inherent: Medium probability: 3	Inherent: Moderate: 6	Inherent: Short term (0 to 12 months): 2	Inherent: Site only: 1	Inherent: 27, low environmental significance
3. Off-loading of press filter cake	Loss of containment of press filter cake	Air	<ul style="list-style-type: none"> <li>Localised dust generation</li> <li>Air pollution</li> </ul>	Inherent: Definite: 5	Inherent: Minor: 2	Inherent: Immediate: 1	Inherent: Site only: 1	Inherent: 20, low environmental significance
4. Storage of press filter cake	Loss of containment of press filter cake	Air	<ul style="list-style-type: none"> <li>Localised dust generation</li> <li>Air pollution</li> </ul>	Inherent: Highly probable: 4	Inherent: Minor: 2	Inherent: Immediate: 1	Inherent: Site only: 1	Inherent: 16, low environmental significance
		Land	<ul style="list-style-type: none"> <li>Press filter cake carried by run-off deposited on land in the vicinity of the press filter cake storage area</li> <li>Land degradation</li> </ul>	Inherent: Medium probability: 3	Inherent: Minor: 2	Inherent: Short term (0 to 12 months): 2	Inherent: Site only: 1	Inherent: 15, low environmental significance
		Water	<ul style="list-style-type: none"> <li>Press filter cake carried by run-off deposited in storm</li> </ul>	Inherent	Inherent: Low: 4	Inherent	Residual: Local: 2	Inherent

				water channels and water body in the vicinity of the press filter cake storage area	Low probability: 2		Short term (0 to 12 months): 2	16, low environmental significance
5.	Handling of press filter cake (i.e. screening, crushing, blending etc.)	Air	Loss of containment of press filter cake	<ul style="list-style-type: none"> <li>Localised dust generation</li> <li>Air pollution</li> </ul>	Inherent: Definite: 5	Inherent: Minor: 2	Inherent: Immediate: 1	Inherent: Site only: 1 Inherent: 20, low environmental significance
a.	AFR		The point at which press filter cake enters the production process for specialised carbon products & AFR to the actual products is outside the scope of this risk assessment. The incorporation of press filter cake into these existing production processes is regulated by relevant standards.					
b.	Raw material substitute for specialty carbon products							
6.	Disposal of press filter cake and press filter cake containing products	Air	Loss of containment of press filter cake	<ul style="list-style-type: none"> <li>Localised dust generation</li> <li>Air pollution</li> </ul>	Residual: Medium probability: 3	Inherent: Minor: 2	Inherent: Short term (0 to 12 months): 2	Inherent: Site only: 1 Inherent: 15, low environmental significance
		Land		<ul style="list-style-type: none"> <li>Load of press filter cake disposed illegally on land</li> <li>Land degradation</li> </ul>	Inherent: Medium probability: 3	Inherent: Low: 4	Inherent: Short term (0 to 12 months): 2	Inherent: Site only: 1 Inherent: 21, low environmental significance
		Water		<ul style="list-style-type: none"> <li>Illegally disposed press filter cake reaching water body in the vicinity of the dumping area</li> <li>Water pollution</li> </ul>	Inherent: Medium probability: 3	Inherent: Low: 4	Inherent: Short term (0 to 12 months): 2	Inherent: Site only: 1 Inherent: 21, low environmental significance
7.	Residual press filter cake stockpiled after closure, decommissioning or change of ownership of user facility	Air	Loss of containment of press filter cake	<ul style="list-style-type: none"> <li>Localised dust generation</li> <li>Air pollution</li> </ul>	Inherent: Medium probability: 3	Inherent: Minor: 2	Inherent: Immediate: 1	Inherent: Site only: 1 Inherent: 12, low environmental significance
		Land		<ul style="list-style-type: none"> <li>Press filter cake carried by run-off deposited on land in the vicinity of the press filter cake storage area</li> <li>Land degradation</li> </ul>	Inherent: Medium probability: 3	Inherent: Low: 4	Inherent: Short term (0 to 12 months): 2	Inherent: Site only: 1 Inherent: 21, low environmental significance
		Water		<ul style="list-style-type: none"> <li>Press filter cake carried by run-off deposited in storm water channels and water body in the vicinity of the press filter cake storage area</li> </ul>	Inherent: Low probability: 2	Inherent: Low: 4	Inherent: Short term (0 to 12 months): 2	Inherent: Residual: Local: 2 Inherent: 16, low environmental significance

**The following factors and criteria must be used to assess the impacts of the activities:**

Criteria	
MAGNITUDE (Severity)	DURATION
10 - Very high	5 - Permanent (longer than 10 years)
8 - High	4 - Long-term (5 to 10 years)
6 - Moderate	3 - Medium-term (12 months to 5 years)
4 - Low	2 - Short-term (0 to 12 months)
2 - Minor	1 - Immediate
SCALE	PROBABILITY (Likelihood)
5 - International	5 - Definite
4 - National	4 - Highly probable
3 - Regional	3 - Medium probability
2 - Local	2 - Low probability
1 - Site only	1 - Improbable
0 - None	0 - None

**Magnitude**

Magnitude measures the size of the impact

**Duration**

Duration refers to the lifetime of the impact i.e. how long it will last

**Scale**

Scale refers to the extent of the impact.

**Probability**

The probability refers to the chance of impact to occur. The potential impact could be most likely to occur, unlikely, etc.

**Assessment of Significance of impact**

Significance rating of the potential impacts illustrates the importance of the impact itself. The size of area affected by pollution may be extremely high but the significance of this effect is dependent on the concentration or level of pollution in that area. In order to determine the significance of impact, the following method was used:

$$\text{Significance Points (SP)} = (\text{Magnitude} + \text{Duration} + \text{Scale}) \times \text{Probability}$$

The values of SP are then ranged as follows:

Rating	Description
SP >60	Indicates high environmental significance An impact which could influence the decision about whether or not to proceed with the activities regardless of any possible mitigation.
SP 30 – 60	Indicates moderate environmental significance An impact or benefit which is sufficiently important to require management and which could have an influence on the decision unless it is mitigated.
SP <30	Indicates low environmental significance Impacts with little real effect and which will not have an influence on or require modification of the activities.
+	Positive Impact An impact that is likely to result in positive consequences/effects

I, Koos Fourie hereby declare that I have read the completed the Risk Assessment form and hereby confirm that the information is to the best of my knowledge true and correct.

Furthermore, I declare that I am fully aware of my responsibilities in terms of the Waste Exclusion Regulations, and that failure to comply with these Regulations may constitute an offence in terms of the National Environmental Management: Waste Act, 2008 (Act 59 of 2008).

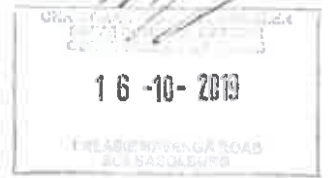
Applicant (Full names) EDUARD HERMANUS JACOBUS FOURIE

Designation Sasolburg Operations (SO): Senior Manager Production, Poly 2,3/Cyanide

Signature 

Date 16/10/2019

Place Sasolburg



**FOR OFFICE USE ONLY**

Date Received				
Decision Taken	Authorised		Not Authorised( provide reasons)	
Reference Number				





## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

### RISK MANAGEMENT PLAN IN TERMS OF REGULATION 10 OF WASTE EXCLUSION REGULATIONS

<b>APPLICANT</b>	Sasol South Africa (Ltd)		
<b>SOURCE(S) OF WASTE</b>	Sasolburg Operations		
<b>WASTE TO BE BENEFICIATED</b>	Press filter cake		
<b>BENEFICIAL USE/S</b>	<p>Sasol press filter cake may be beneficially utilised in the carbon and Alternative Fuels &amp; Resources (AFR) sectors. Its uses may include but are not limited to:</p> <p>(a) Replacement material substitute for specialised carbon products</p> <p>(b) AFR</p>		
<b>SDS ATTACHED IF HAZARDOUS</b>	<b>YES X</b>	<b>NO</b>	
<b>WASTE GENERATING FACILITY</b>	Sasolburg Operations		
<b>PHYSICAL ADDRESS</b>	Bergius Road, Sasolburg, 1947		
<b>GPS CO-ORDINATES OF WASTE GENERATING FACILITY (e.g. 60° 29' 30" Latitude; 34° 20' 15" Longitude)</b>	<p>Cyanide plant, Midlands site</p> <p>26°49'53.51"S: 27°52'03.76"E</p> <p>26°49'57.08"S: 27°52'07.16"E</p> <p>26°50'0.58"S: 27°52'03.60"E</p> <p>26°49'57.79"S: 27°51'58.71"E</p> <p>26°49'57.22"S: 27°52'03.44"E (centre point)</p>		
<b>POSTAL ADDRESS</b>	<p>P.O. Box 1</p> <p>Sasolburg</p> <p>1947</p>		

<b>CONTACT PERSON</b>	Koos Fourie (Sasolburg Operations (SO): Senior Manager Production, Poly2,3/Cyanide)		
<b>TELEPHONE</b>	<b>+27 16 920 3081</b>	<b>CELL:</b>	<b>+27 82 808 1965</b>
<b>EMAIL</b>	<a href="mailto:koos.fourie@sasol.com">koos.fourie@sasol.com</a>	<b>FAX:</b>	-

# RISK MANAGEMENT PLAN

Beneficial use of press filter cake in the carbon and AFR sectors (Replacement material substitute for specialised carbon products & AFR.)

Activity	Risk Description	Action(s) to minimise/ manage the risk	Responsibility (Who is responsible to do it)
1. Loading of press filter cake onto trucks	Loss of containment of press filter cake	<b>Preventative mitigation measure</b> <ul style="list-style-type: none"> <li>Dust management during loading of press filter cake through wetting of press filter cake</li> <li>Stop loading of press filter cake during extreme wind conditions</li> </ul>	<ul style="list-style-type: none"> <li>Press filter cake generator i.e. Sasolburg Operations</li> </ul>
		<b>Corrective mitigation measure</b> <ul style="list-style-type: none"> <li>Wearing of relevant PPE (dust mask and eye protection) during press filter cake loading</li> </ul>	<ul style="list-style-type: none"> <li>Press filter cake generator employees</li> <li>Press filter cake transporter employees</li> </ul>
2. Transportation of press filter cake	Loss of containment of press filter cake	<b>Preventative mitigation measure</b> <ul style="list-style-type: none"> <li>Dust management during transportation of press filter cake through covering of trucks)</li> </ul> <b>Corrective mitigation measure</b> <ul style="list-style-type: none"> <li>None</li> </ul> <b>Preventative mitigation measure</b> <ul style="list-style-type: none"> <li>Compliance with the Road Traffic Act;</li> <li>Sasol Transport Policy and Procedures;</li> <li>Access to press filter cake limited to customers and transporters that have commercial contracts with Sasol.</li> </ul> <b>Corrective mitigation measure</b> <ul style="list-style-type: none"> <li>Implementation of the Emergency response plan;</li> <li>Use of Safety Data Sheet (SDS) with hazard classification which is provided to all customers and transporters.</li> </ul>	<ul style="list-style-type: none"> <li>Press filter cake transporters</li> </ul>
3. Off-loading of press filter cake	Loss of containment of press filter cake	<b>Preventative mitigation measure</b> <ul style="list-style-type: none"> <li>Dust management during loading of press filter cake through wetting of press filter cake</li> <li>Stop off-loading of press filter cake during extreme wind conditions</li> </ul> <b>Corrective mitigation measure</b> <ul style="list-style-type: none"> <li>Wearing of relevant PPE (dust mask and eye protection) during press filter cake off-loading</li> </ul>	<ul style="list-style-type: none"> <li>Press filter cake transporters</li> <li>Press filter cake users</li> </ul>
4. Storage of press filter cake	Loss of containment of press filter cake	<b>Preventative mitigation measure</b> <ul style="list-style-type: none"> <li>Dust management during loading of press filter cake through wetting of press filter cake</li> <li>Avoid loading of press filter cake during extreme wind conditions</li> </ul> <b>Corrective mitigation measure</b> <ul style="list-style-type: none"> <li>Wearing of relevant PPE (dust mask and eye protection) when working in press filter cake storage area</li> </ul> <b>Preventative mitigation measure</b> <ul style="list-style-type: none"> <li>Storage area designed to prevent rainfall run-off from carrying press filter cake away</li> <li>Discourage excessive storage of press filter cake - Facilities storing more than a 100 m<sup>3</sup> of press filter cake at a time, should have a firm impermeable surface on which to place the press filter cake and a system to collect and store run-off arising from the press filter cake storage facility.</li> </ul> <b>Corrective mitigation measure</b>	<ul style="list-style-type: none"> <li>Press filter cake users</li> </ul>

Activity	Risk Description	Action(s) to minimise/ manage the risk	Responsibility (Who is responsible to do it)
		<ul style="list-style-type: none"> <li>The use of Safety Data Sheet (SDS) with hazard classification which is provided to all press filter cake users.</li> <li>Clean-up plan to be implemented where press filter cake is handled.</li> </ul>	
5. Handling of press filter cake (i.e. screening, crushing, blending etc.)	Loss of containment of press filter cake	<p><b>Preventative mitigation measure</b></p> <ul style="list-style-type: none"> <li>Dust management during loading of press filter cake through wetting of press filter cake</li> <li>Adherence to production process and product standards and regulations</li> </ul> <p><b>Corrective mitigation measure</b></p> <ul style="list-style-type: none"> <li>Wearing of relevant PPE (dust mask and eye protection) during press filter cake handling</li> </ul>	Press filter cake users
a. Replacement material substitute for specialised carbon products; b. AFR	The point at which coal press filter cake enters the production process of carbon products to the actual products and AFR are outside the scope of this risk assessment. The incorporation of coal press filter cake into these existing production processes is matured. The quality of the products from these processes is regulated by relevant standards.		Press filter cake users
6. Disposal of press filter cake and press filter cake containing products	Loss of containment of press filter cake	<p><b>Preventative mitigation measure</b></p> <ul style="list-style-type: none"> <li>The use of Safety Data Sheet (SDS) where disposal guidance is provided.</li> <li>The use of the National Norms and standard for the assessment of waste for disposal and the Regulations for the classification and management of waste.</li> </ul> <p><b>Corrective mitigation measure</b></p> <ul style="list-style-type: none"> <li>Clean-up plan to be implemented where press filter cake is not disposed properly.</li> </ul>	Press filter cake users
7. Residual press filter cake stockpiled after closure, decommissioning or change of ownership of user facility	Loss of containment of press filter cake	<p><b>Preventative mitigation measure</b></p> <ul style="list-style-type: none"> <li>Contractual agreement with press filter cake customers to include the following clause: <i>"The owner of the facility, including the subsequent owner of the facility will remain responsible for any adverse impacts on the environment and health stemming from stockpiled press filter cake, even after operations have ceased."</i></li> </ul> <p><b>Corrective mitigation measure</b></p> <ul style="list-style-type: none"> <li>Land remediation</li> </ul>	Press filter cake users

**DECLARATION**

I, Koos Fourie hereby declare that I have read the completed Risk Management form and hereby confirm that the information is to the best of my knowledge true and correct.

Furthermore, I declare that I am fully aware of my responsibilities in terms of the Waste Exclusion Regulations, and that failure to comply with these Regulations may constitute an offence in terms of the National Environmental Management: Waste Act, 2008 (Act 59 of 2008).

Applicant (Full names) Edward Hermanus Jacobus Fourie

Designation Sasolburg Operations (SO): Senior Manager Poly2,3/Cyanide

Signature 

Date 16/10/2019

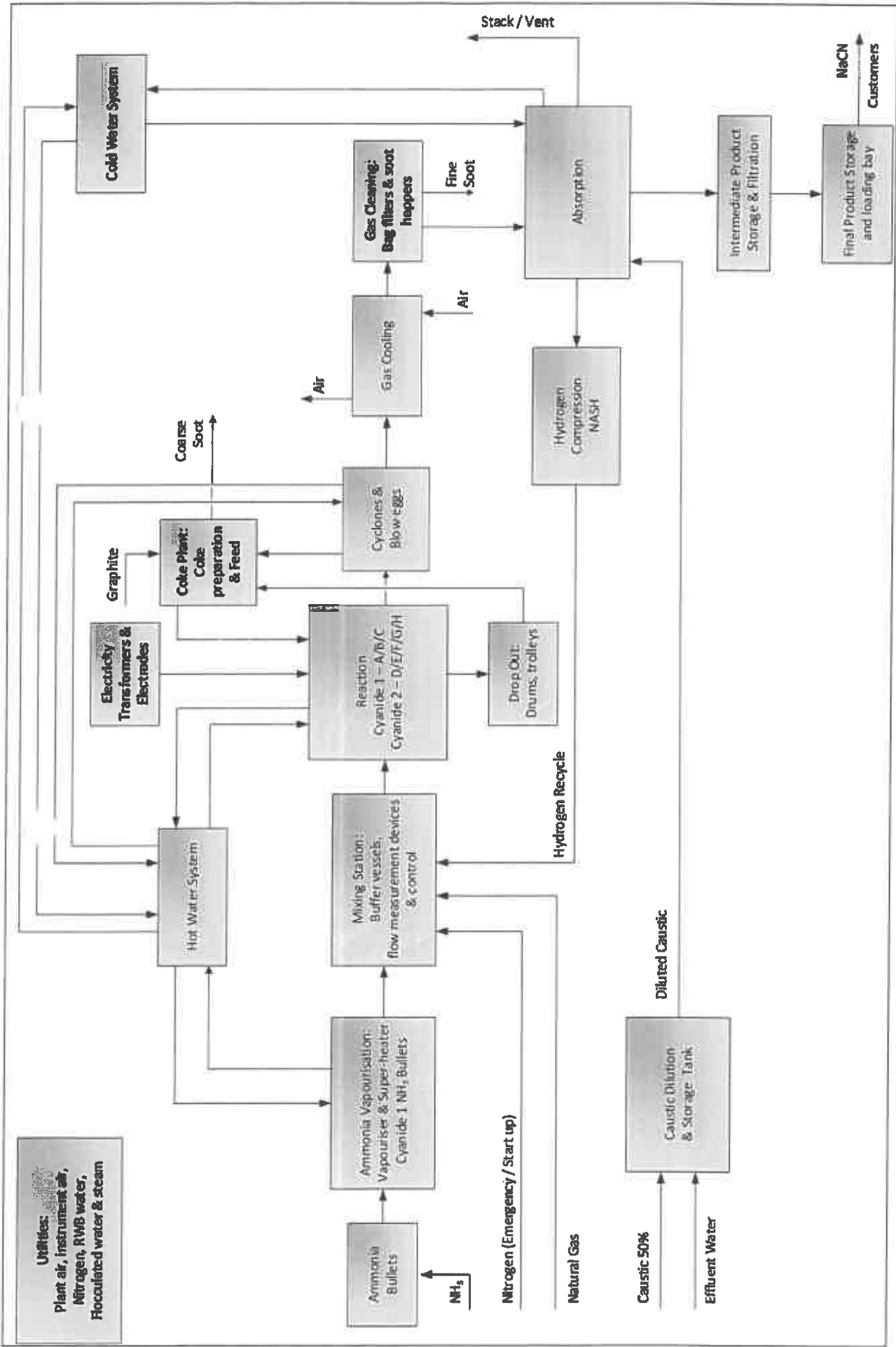
Place Sasolburg

  
16-10-2019

**FOR OFFICE USE ONLY**

Date Received				
Decision Taken	Authorised		Not authorised (provide reason)	
Reference Number				





Process diagram where coarse soot, fine soot and press filter cake is generated

