



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

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

APPLICANT	Sasol South Africa (Ltd)		
SOURCE(S) OF WASTE	Sasolburg Operations		
WASTE TO BE BENEFICIATED	Press filter cake		
BENEFICIAL USE/S	<p>Sasol press filter cake may be beneficially utilised in the carbon and Alternative Fuels & 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>		
SDS ATTACHED IF HAZARDOUS	YES X	NO	
WASTE GENERATING FACILITY	Sasolburg Operations		
PHYSICAL ADDRESS	Bergius Road, Sasolburg, 1947		
GPS CO-ORDINATES OF WASTE GENERATING FACILITY (e.g. 60° 29' 30" Latitude; 34° 20' 15" Longitude)	<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>		
POSTAL ADDRESS	<p>P.O. Box 1</p> <p>Sasolburg</p> <p>1947</p>		

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

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	Preventative mitigation measure <ul style="list-style-type: none"> Dust management during loading of press filter cake through wetting of press filter cake Stop loading of press filter cake during extreme wind conditions 	<ul style="list-style-type: none"> Press filter cake generator i.e. Sasolburg Operations
		Corrective mitigation measure <ul style="list-style-type: none"> Wearing of relevant PPE (dust mask and eye protection) during press filter cake loading 	<ul style="list-style-type: none"> Press filter cake generator employees Press filter cake transporter employees
2. Transportation of press filter cake	Loss of containment of press filter cake	Preventative mitigation measure <ul style="list-style-type: none"> Dust management during transportation of press filter cake through covering of trucks) 	<ul style="list-style-type: none"> Press filter cake transporters
		Corrective mitigation measure <ul style="list-style-type: none"> None 	
		Preventative mitigation measure <ul style="list-style-type: none"> Compliance with the Road Traffic Act; Sasol Transport Policy and Procedures; Access to press filter cake limited to customers and transporters that have commercial contracts with Sasol. Corrective mitigation measure <ul style="list-style-type: none"> Implementation of the Emergency response plan; Use of Safety Data Sheet (SDS) with hazard classification which is provided to all customers and transporters. 	
3. Off-loading of press filter cake	Loss of containment of press filter cake	Preventative mitigation measure <ul style="list-style-type: none"> Dust management during loading of press filter cake through wetting of press filter cake Stop off-loading of press filter cake during extreme wind conditions Corrective mitigation measure <ul style="list-style-type: none"> Wearing of relevant PPE (dust mask and eye protection) during press filter cake off-loading 	<ul style="list-style-type: none"> Press filter cake transporters Press filter cake users
4. Storage of press filter cake	Loss of containment of press filter cake	Preventative mitigation measure <ul style="list-style-type: none"> Dust management during loading of press filter cake through wetting of press filter cake Avoid loading of press filter cake during extreme wind conditions 	<ul style="list-style-type: none"> Press filter cake users
		Corrective mitigation measure <ul style="list-style-type: none"> Wearing of relevant PPE (dust mask and eye protection) when working in press filter cake storage area 	
		Preventative mitigation measure <ul style="list-style-type: none"> Storage area designed to prevent rainfall run-off from carrying press filter cake away Discourage excessive storage of press filter cake - Facilities storing more than a 100 m³ 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. Corrective mitigation measure	

Activity	Risk Description	Action(s) to minimise/ manage the risk	Responsibility (Who is responsible to do it)
		<ul style="list-style-type: none"> The use of Safety Data Sheet (SDS) with hazard classification which is provided to all press filter cake users. Clean-up plan to be implemented where press filter cake is handled. 	
5. Handling of press filter cake (i.e. screening, crushing, blending etc.)	Loss of containment of press filter cake	<p>Preventative mitigation measure</p> <ul style="list-style-type: none"> Dust management during loading of press filter cake through wetting of press filter cake Adherence to production process and product standards and regulations <p>Corrective mitigation measure</p> <ul style="list-style-type: none"> Wearing of relevant PPE (dust mask and eye protection) during press filter cake handling 	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>Preventative mitigation measure</p> <ul style="list-style-type: none"> The use of Safety Data Sheet (SDS) where disposal guidance is provided. 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. <p>Corrective mitigation measure</p> <ul style="list-style-type: none"> Clean-up plan to be implemented where press filter cake is not disposed properly. 	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>Preventative mitigation measure</p> <ul style="list-style-type: none"> 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> <p>Corrective mitigation measure</p> <ul style="list-style-type: none"> Land remediation 	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



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

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