



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	Secunda Synfuels Operations (gasifiers)		
WASTE TO BE BENEFICIATED	Fresh coarse ash		
BENEFICIAL USE/S	Sasol Fresh coarse ash may be beneficially utilised in the construction and agricultural sectors. Its uses may include but are not limited to: (a) Brickmaking; (b) Block making; (c) Production of cement.		
SDS ATTACHED IF HAZARDOUS	YES X	NO	
WASTE GENERATING FACILITY	Secunda Synfuels Operations (gasifiers)		
PHYSICAL ADDRESS	PdP Kruger Road, Secunda, 2302		
GPS CO-ORDINATES OF WASTE GENERATING FACILITY (e.g. 60° 29' 30" Latitude; 34° 20' 15" Longitude)	26° 32' 23" Latitude; 29° 8' 55" Longitude 26° 33' 39" Latitude; 29° 8' 41" Longitude 26° 33' 56" Latitude; 29° 10' 44" Longitude 26° 32' 43" Latitude; 29° 10' 55" Longitude		
POSTAL ADDRESS	Private Bag X1000 Secunda 2302		

CONTACT PERSON	Kashmira Doelab (Secunda Synfuels Operations (SSO): Acting Manager SHE: Waste)		
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RISK MANAGEMENT PLAN

Activity	Risk Description	Action(s) to minimise/ manage the risk	Responsibility (Who is responsible to do it)
1. Loading of ash onto trucks	Loss of containment of ash	Preventative mitigation measure <ul style="list-style-type: none"> Dust management during loading of ash through wetting of ash Stop loading of ash during extreme wind conditions 	Ash generator i.e. Sasolburg Operations and Secunda Operations
		Corrective mitigation measure <ul style="list-style-type: none"> Wearing of relevant PPE (dust mask and eye protection) during ash loading 	Ash generator employees
2. Transportation of ash	Loss of containment of ash	Preventative mitigation measure <ul style="list-style-type: none"> Dust management during transportation will include ensuring vehicles follow an approved route that will limit the exposure of dust in communities. Side tippers with tarpaulin devices will be recommended for the transportation of ash, however, those that cannot be covered will not be filled to capacity and will be required to go through a dust suppression (wetting) process. 	Ash transporter employees Ash 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 ash 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 ash	Loss of containment of ash	Preventative mitigation measure <ul style="list-style-type: none"> Dust management during loading of ash through wetting of ash Stop off-loading of ash during extreme wind conditions Corrective mitigation measure <ul style="list-style-type: none"> Wearing of relevant PPE (dust mask and eye protection) during ash off-loading 	Ash transporters Ash users
4. Storage of ash	Loss of containment of ash	Preventative mitigation measure <ul style="list-style-type: none"> Dust management during loading of ash through wetting of ash Avoid loading of ash during extreme wind conditions Corrective mitigation measure <ul style="list-style-type: none"> Wearing of relevant PPE (dust mask and eye protection) when working in ash storage area 	Ash users

Activity	Risk Description	Action(s) to minimise/ manage the risk	Responsibility (Who is responsible to do it)
		<p>Preventative mitigation measure</p> <ul style="list-style-type: none"> Storage area designed to prevent rainfall run-off from carrying ash away Discourage excessive storage of ash - Facilities storing more than a 100 m³ of ash at a time, should have a firm impermeable surface on which to place the ash and a system to collect and store run-off arising from the ash storage facility. <p>Corrective mitigation measure</p> <ul style="list-style-type: none"> The use of Safety Data Sheet (SDS) with hazard classification which is provided to all ash users. Clean-up plan to be implemented where ash is carried away from storage area 	
5. Handling of ash which includes the production of aggregate (i.e. screening, crushing, blending etc.)	Loss of containment of ash	<p>Preventative mitigation measure</p> <ul style="list-style-type: none"> Dust management during loading of ash through wetting of ash 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 ash handling 	Ash users
6. Disposal of ash and ash containing products	Loss of containment of ash	<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 ash is not disposed properly. 	Ash users
7. Residual ash stockpiled after closure, decommissioning or change of ownership of user facility	Loss of containment of ash	<p>Preventative mitigation measure</p> <ul style="list-style-type: none"> Contractual agreement with ash 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 ash, even after operations have ceased."</i> <p>Corrective mitigation measure</p> <ul style="list-style-type: none"> Land remediation 	Ash users

I **Kashmira Doelab** hereby declare that I have read the completed the Risk Management Plan 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) **Kashmira Doelab**

Designation **Secunda Synfuels Operations (SSO) Acting Manager: Waste**

Signature *K Doelab*

Date **28 November 2018**

Place **Secunda**

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