



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

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

APPLICANT	Tongaat Hulett Sugar		
SOURCE (S) OF WASTE	Processing of Sugar Cane		
WASTE TO BE BENEFICIATED	Coal Ash		
BENEFICIAL USE/S	Use in blockmaking		
MSDS ATTACHED IF HAZARDOUS	<input checked="" type="checkbox"/>	YES	However the ash is not deemed to be hazardous
WASTE GENERATING FACILITY	THS Refinery, Durban Voermol Feeds Maidstone Mill		
PHYSICAL ADDRESS	Refinery: 444 South Coast Road Rossburgh, Durban, 4001		
	Maidstone Mill: 1 Main Ave Maidstone, Tongaat, 4380		
	Voermol feeds: Main Road Maidstone, Tongaat, 4380		
GPS CO-ORDINATES OF WASTE GENERATING FACILITY	Voermol/ Maidstone Mill 29°33'05.03"S 31°07'49.69"E		
	Refinery 29°54'32.14"S 30°58'45.77"E		

POSTAL ADDRESS	Private Bag 3		
	Glenashley		
	4022		
CONTACT PERSON	Gidion Munyaradzi		
TELEPHONE	032 439 4239	CELL:	083 459 9835
EMAIL	Gidion.munyaradzi@tongaat.com	FAX:	N/A

RISK MANAGEMENT PLAN

Activity	Risk Description	Action(s) to minimise/ manage the risk	Responsibility (Who is responsible to carry out the action)
Storage of the ash (Generator)	Dust generation Water pollution Soil contamination Health impacts Visual impacts	<ul style="list-style-type: none"> • Appropriate PPE must be worn and workers trained in this regard • THS must comply with the provisions of their environmental management system and Surface and Groundwater management plan • Ash will only be stored in the approved areas which have appropriate water containment systems • Ash will be contained in this area by means of bunds – no ash will be permitted to outside this area • Clean and dirty water separation must be undertaken on site • Stockpiles will be sprayed with water if dust becomes a nuisance • Any material spilled outside the storage area will be immediately swept up and placed on the stockpile 	THS
Ash handling (Generator)	Dust generation Water pollution Soil contamination Health impacts Visual impacts Noise	<ul style="list-style-type: none"> • Appropriate PPE must be worn and workers trained in this regard • Stockpiles of ash will be contained • Each load will be consigned using standard consignment notes by THS or its appointed contractors. • Records for dispatch and receipt of the ash will be controlled and retained • Dispatch consolidations will be collated weekly and monthly for audit purposes • Ash users and transporters will be audited regularly • Any significant incidents reported to the Authorities in terms of S30(5) of NEMA. • All vehicles will be maintained in a good condition in order to reduce emissions and the likelihood of spills • Workers will be trained with regard to the correct first aid treatment required in case of exposure to ash dust 	THS


Transportation of the ash	<ul style="list-style-type: none"> Damp dust will not be stored in closed containers 	Waste Transporter
<ul style="list-style-type: none"> Dust generation Water pollution Soil contamination Health impacts Traffic impacts Visual impacts Noise 	<ul style="list-style-type: none"> Trucks will not be overloaded Trucks will be maintained in a roadworthy condition Transporter will have a spill procedure in place Each transporter must have a procedure which must be followed in the event of a material spill. Training and verification on this procedure must be undertaken for all drivers. Truck drivers will have the required driving licences and undergo regular driver training All documentation must be in place in accordance with the provisions of the National Road Traffic Act and Regulations Appropriate PPE must be worn and workers trained in this regard The Risk Management plan must accompany the ash and be handed to the ash user along with the ash Any significant incidents reported to the Authorities in terms of S30(5) of NEMA. 	Blockmakers
Storage of the ash (user)	<ul style="list-style-type: none"> The ash user will comply with the requirements of the Ash Management Plan Ash will be offloaded directly into the appropriate bunded area. Ash volumes stored will be restricted to the capacity of the bunded area The storage will be limited to 2 weeks supply Any spillages will be immediately swept up and material placed in storage area Water runoff from the storage areas must be contained and re-used in the process Stockpiles must be covered or sprayed with water if dust creates a nuisance The product must be kept out of watercourses to avoid silting Appropriate PPE must be worn and workers trained in this regard 	Blockmakers
Ash handling (user)	<ul style="list-style-type: none"> Ash will only be used for the approved activities and will not be sold for other uses. 	Blockmakers

	<p>Soil contamination Health impacts Visual impacts Noise</p>	<ul style="list-style-type: none"> • Appropriate PPE must be worn and workers trained in this regard • Each site will have an incident and complaints register in which all incidents and complaints are recorded together with a description of corrective action taken. • Any significant incident must be reported to THS who must in turn, report the incident to the Authorities in terms of S30(5) of NEMA. • Workers will be trained with regard to the correct first aid treatment required in case of exposure to ash dust • Damp dust will not be stored in closed containers 	
<p>Use of final product</p>	<p>Dust generation Water pollution Soil contamination Health impacts Socio-economic impacts</p>	<ul style="list-style-type: none"> • Local labour will be used wherever possible • Appropriate PPE must be worn and workers trained in this regard • Dust generation must be kept to a minimum and dust must not be allowed to clog drains or enter stormwater or watercourses • Broken blocks, waste concrete etc will be disposed of appropriately in accordance with waste legislation and best practice. 	<p>Recipient of final products</p>

DECLARATION

I, GIDION MUNYARADZI hereby declare that I have read the completed a 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) GIDION MUNYARADZI
Designation SHEQ EXECUTIVE
Signature 
Date 08-01-2020 Place AMATIKULU

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

Appendix 3

Previous Reports