



## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

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

<b>APPLICANT</b>	Sappi Southern Africa Limited – Tugela Mill		
<b>SOURCE(S) OF WASTE</b>	Ash from combustion process		
<b>WASTE TO BE BENEFICIATED</b>	Boiler ash		
<b>BENEFICIAL USE/S</b>	Brickmaking		
	Block making		
	Cover material		
	Cement production		
	Paving manufacture		
<b>MSDS ATTACHED IF HAZARDOUS</b>	<b>YES</b>	<b>NO</b>	Not hazardous
<b>WASTE GENERATING FACILITY</b>	Sappi Tugela Mill		
<b>PHYSICAL ADDRESS</b>	1 Old Main Road, Mandeni		
<b>GPS CO-ORDINATES OF WASTE GENERATING FACILITY (e.g. 60° 29' 30" Latitude; 34° 20' 15" Longitude)</b>	Latitude: 29° 9' 12.49"S Longitude: 31° 24' 26.88"E		
<b>POSTAL ADDRESS</b>	Private Bag X6034, 4490		
<b>CONTACT PERSON</b>	Kerisha Govender		
<b>TELEPHONE</b>	032 456 1456	<b>CELL:</b>	071 381 1252

**EMAIL**

Kerisha.Govender@sappi.com

**FAX:**

N/A

**RISK MANAGEMENT PLAN**

<b>Activity</b>	<b>Risk Description</b>	<b>Action(s) to minimise/ manage the risk</b>	<b>Responsibility (Who is responsible to do it)</b>
Storage	Accidental spillage into the environment	Ash offloaded in the demarcated storage areas  Storage area bunded with hardstanding floor with leachate containment  Accidental spills cleaned up immediately  Quarterly inspections of storage area to check integrity of the structure	Generator Receiving site
	Leachate from stockpiled material during rainfall	Storage area bunded with hardstanding floor with leachate containment  Leachate separated from stormwater  Dirty water appropriately disposed of  Storage area audited quarterly to check integrity of the structure	Generator Receiving site
	Windblown ash	Top layer of stockpiled ash to be kept moist  Stockpile to be managed to reduce standing time	Generator Receiving site
Transportation	Air borne ash	Truck correctly loaded with no overfilling and covered	Generator
	Accidental spillage into the environment	Truck correctly loaded and covered	Generator
		Accidental spills cleaned up immediately	Generator Receiving site

<b>Activity</b>	<b>Risk Description</b>	<b>Action(s) to minimise/ manage the risk</b>	<b>Responsibility (Who is responsible to do it)</b>
		Ash transported by permitted waste transport company	Generator
<b>Manufacturing</b>	<b>Windblown ash</b>	Top layer of stockpiled ash to be kept moist	Receiving site
	<b>Dust generation due to mixing process</b>	MSDS provided to the Receiving site who is trained on safety requirements	Generator
		Receiving sites implement safety requirements of MSDS to minimise workers exposure to dust	Receiving site
	<b>Spillage during mixing process</b>	Mixing occurs within a formal, bunded area with hardstanding floor and leachate containment  Accidental spills cleaned up immediately	Receiving site
<b>Use as landfill cover material</b>	<b>Leachate generation during rainfall</b>	Landfill cells lined in accordance with the minimum requirements for a GMB+ liner to prevent seepage into the groundwater  Leachate run-off collected in containment facilities for treatment  Leachate separated from stormwater	Receiving site

**DECLARATION**

I, KERISHA GOVENDER 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) KERISHA GOVENDER

Designation ENVIRONMENTAL ENGINEER

Signature 

Date 27/08/2018 Place MANDENI

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