



**forestry, fisheries  
& the environment**

Department:  
Forestry, Fisheries and the Environment  
REPUBLIC OF SOUTH AFRICA

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

File Reference Number:  
NEAS Reference Number:  
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(For official use only)
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Risk Assessment for an 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 form is current as of 01 April 2021. 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 information 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. Incomplete forms (including information as required in the application form may be returned to the applicant for revision and the inclusion of additional information.
4. 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.

BACKGROUND INFORMATION	
APPLICANT	INGRAIN SA
CONTACT PERSON	INGRAIN SA-Kliprivier
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WASTE FACILITY OR FACILITIES						
SOURCE (S) OF WASTE	Boilers					
WASTE TO BE BENEFICIATED	Boiler Ash					
GPS CO-ORDINATES AT CORNERS OF WASTE GENERATING FACILITY OR FACILITIES	LATITUDE			LONGITUDE		
	28°	28'	12.5"	28°	07'	40.8"
	28°	28'	10.9"	28°	0.8'	09.4"
	28°	28'	26.0"	28°	0.7'	41.6"
BENEFICIAL USE/S	Brick/block making/Landfill cover Material					

WASTE GENERATING PROCESS		
MSDS ATTACHED IF HAZARDOUS	YES	NO
WASTE GENERATING FACILITY	HAZARDOUS	GENERAL

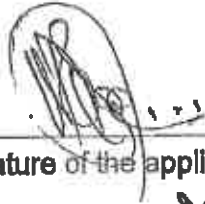
## RISK MANAGEMENT PLAN

Activity	Risk Description	Action(s) to minimise/manage the Risk	Responsibility (Who is responsible to carry out the action(s))
Ash production and storage operations -Generator site	Ash spillage into the environment	<p>Ash is stored in the ash storage bunker.</p> <p>Ash bunker suitable designed with bund walls to prevent potential spillages into the surrounding environment.</p> <p>Manage stockpile level and standing time. Ensure ash bunkers are not overfilled to minimize the risk of spillages.</p> <p>Ensure housekeeping. Accidental spills are cleaned up immediately</p> <p>Routine inspections shall conducted on the ash storage bunker to check integrity of structures</p> <p>Storage area suitable bunded with hard-standing impermeable floor base to prevent surface-groundwater impacts</p> <p>Separate leachate and dirty surface run-off from storm-water system.</p> <p>Dirty water appropriately disposed of via the effluent drainage system.</p> <p>Storage areas visually inspected on routine basis to check integrity of the structure</p> <p>Top layer of stockpiled ash to be kept moist</p> <p>Stockpile to be managed to reduce standing time</p> <p>Truck correctly loaded with no overfilling. Ash is wet immediately after leaving the boiler to prevent fine ash spills and dust formation.</p> <p>Accidental spills are cleaned up immediately</p> <p>Ensure top layer of stockpiled ash kept wet to prevent potential wind dispersion</p> <p>Ash Safety Datasheets to be provided to the receiving site to ensure that they are aware of the associated risks and know the safety requirements</p> <p>Implement safety requirements of Safety Datasheets to minimise workers exposure to dust.</p>	Generator
	Leachate and run-off from stockpiled ash during rainfall		Generator
	Ambient air quality impacts from airborne ash		Generator
Ash transportation	Airborne ash		Generator - Transporter - Receiving site
Ash handling/ processing in the blocks and bricks manufacturing facility	Accidental spillage into the environment		Generator - Transporter - Receiving site
	Airborne ash		Receiving site
	Health impacts associated with dust generation during the mbbing process		Generator - Receiving site Receiving site

Ash handling/ processing in the blocks and bricks manufacturing facility		Manage stockpile level and standing time. Ensure ash is wet to mitigate dust exposure	Receiving site
Spillage during the mixing process		Mixing process occurs within a designated hard-standing area Ensure good housekeeping standards. Accidental spills cleaned up immediately	Receiving site Receiving site
Negative ecological and social impacts associated with the improper use of ash		Conduct routine inspections to ensure the site operations complies with the above-mentioned minimum requirements and does not pose risk to the ecosystems and local community Ensure ash manifest records are in order, ash only used for blocks and bricks making and no ash given to the third party.	Generator Generator – Receiving site
Ash use as landfill cover material	Negative environmental impacts associated with leachate into ground water, surface water run-off and bio-accumulation in aquatic life	<ul style="list-style-type: none"> <li>o Landfill cover material only issued to the landfill site authorized/licenced by the relevant government authorities</li> <li>o Landfill lined in accordance the requirements for GMB+ liner as minimum to prevent potential seepage into the groundwater</li> <li>o Surface run-off collected in containment facilities for treatment to prevent discharge into the natural environment</li> <li>o Leachate and surface run-off separated from storm water</li> <li>o Establish and maintain vegetation ground coverage at the surface of landfill site to mitigate potential dust impacts</li> </ul>	Generator- Receiving site Receiving site
	Negative localised ambient air quality impacts from windblown ash dust		Receiving site

I, ANDREAS MACRIVITI (the Applicant) hereby declare that I have read the completed 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).



Signature of the applicant<sup>1</sup>/ Signature on behalf of the applicant:

ANDREAS MACRIVITI

Name of Applicant:

GENERAL MANAGER

Designation

06 / 10 / 2021

Date:

<sup>1</sup> If the applicant is a juristic person, a signature on behalf of the applicant is required as well as proof of such authority.