

Tailor-Made Risk Solutions Pty Ltd  
Company Registration Number: 2013/018725/07  
Executive Director: BS Leballo (Cert.Nat.Sci. SACNASP. 116672)



## **Risk Management**



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**

	(For official use only)
File Reference Number:	12/9/11
NEAS Reference Number:	
Date Received:	

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	Transnet Freight Rail
CONTACT PERSON	Mr. Ndivhuwo Netshilaphala
NAME	Mr. Ndivhuwo Netshilaphala
ADDRESS	Transnet Freight Rail 21 Wellington Road Parktown Johannesburg 2193
E-MAIL ADDRESS	Ndivhuwo.netshilaphala@transnet.net
TELEPHONE	011 584 0528
CELL PHONE	0718563667

WASTE FACILITY OR FACILITIES		
SOURCE (S) OF WASTE	Railway Track Screening and Maintenance	
WASTE TO BE BENEFICIATED	Railway Ballast Spoils	
GPS CO-ORDINATES AT CORNERS OF WASTE GENERATING FACILITY OR FACILITIES (refer to Annexure A: Location of ballast waste spoils)	LATITUDE	LONGITUDE
	The detailed locations (area, coordinates, quantities) of the ballast stockpiles were verified during collection of the ballast samples used for the waste classification (the list is attached for ease of reference and also included in the Motivational Report as Annexure A: Location of Ballast Waste Stockpiles).	
BENEFICIAL USE/S	<p>Transnet Freight Rail sought to apply for the following Beneficial Uses for its Ballast Spoils / Waste:</p> <ul style="list-style-type: none"> <li>• Stabilisation of Embankment including Retention Structures;</li> <li>• Aggregate Material during Construction and Maintenance of Access and or Service Roads;</li> <li>• Water Drainage and Filtration Systems;</li> <li>• Use in the Lower Grade required Railway Lines and Marshalling Yards;</li> <li>• Substructure Material in Building Foundations; and</li> <li>• Fill Material in the Rehabilitation of Quarries and Borrow Pits.</li> </ul>	

WASTE GENERATING PROCESS		
MSDS ATTACHED IF HAZARDOUS: Ballast samples were subjected to Laboratory Tests and classified as Type 3 (General). MSDS is attached in the Application Form and also detailed Waste Classification included in Motivational Report as Chapter 4 and MSDS as Annexure I.	YES	
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))
Locate Ballast Stockpiles	Unable to locate ballast stockpiles	Availability and provision of updated ballast stockpiles Annexure A which has coordinates of each stockpiles.	TFR Environmental Specialists & Depot Engineers
Road Access	Unable to access stockpiles due to muddy, waterlogged and undrivable damaged service roads.	Only appropriate and roadworthy vehicles/trucks to be used to transport ballast from rail reserve to the destination.	TFR Depot Engineers
Loading	Snake bites during ballast disturbance and loading	Ensure proper and resourced First Kit as part of Granting Access to the site.	TFR Safety Specialists
Locate /Availability of Stockpiles	Theft of existing ballast stockpiles	Strict access control and non-permission of public members in the railway reserve.	TFR Safety Specialists
Public Access	Uncontrolled movement in the Rail Reserve	- Strict access control and patrols by security personnel - TFR to transport material to municipality central storage facility.	TFR Security Personnel TFR Depot Engineers
Public Access	Increased theft of other railway infrastructure	Strict access control and non-permission of public members in railway reserve.	TFR Security Personnel
Transportation	Inability to safely transport ballast from rail reserve to earmarked use and or storage site	TFR to either transport or oversee transportation of material from rail reserve to earmarked municipality storage site.	TFR Depot Engineers
Loading	Generation of dust	Site Personnel to wear appropriate masks during loading.	TFR Safety Specialists
Locals Infighting	Public Instability and or Infighting for the resource	Develop TFR Ballast Distribution Strategy focused on Municipalities governance structure (as representatives of communities they serve)	TFR Senior Environmental Manager
Transportation	Potential to generate dust in transit	Tarpaulin to cover and or wetting of ballast to suppress any dust.	TFR Depot Engineers
Transportation	Excess ballast falling-off en route	Tarpaulin to cover.	TFR Depot Engineers

			Strict adherence to loading profiles.	
Off-loading	Generation of excessive dust		Wetting of the ballast Personnel to wear masks	TFR Depot Engineers TFR Safety Specialists
Storage of Ballast Stones	Use of ballast stones during public riots.		Fenced off and strict access control to Municipal ballast storage facility.	Municipalities
Accountability	Absence of and or lack of discipline in completing the Ballast Log Register		Develop and implement Ballast Log Register as part of the broader Transnet Ballast Distribution Strategy.	TFR Depot Engineers & TFR Senior Environmental Manager

I, **Ndivhuwo Netshilaphala** (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).

Ndivhuwo Netshilaphala

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

Transnet Freight Rail

Name of Applicant:

Senior Manager

Designation

18 June 2023

Date:

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<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.