



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

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

APPLICANT	Glencore Operation South Africa Pty Ltd: Rustenburg Smelter
SOURCE(S) OF WASTE	Ferrochrome smelter producing slag
WASTE TO BE BENEFICIATED	Waste Slag from Ferrochrome Metallurgy
BENEFICIAL USE/S	Use as aggregates
	Concrete aggregates
	Road base and covering and road stabilisation
	Asphaltic concrete and other bituminous mixtures
	Construction fill
	Concrete products
	Plaster and granite sands
	Railroad ballast
	Roofing granules
	Filtration media
	Pipe filling material
	Backfilling
	Dam construction and stabilisation material
	Construction of drainage systems
	Hydroponic filling material

Handling of slag	Potential for slag to emit dust during the loading and offloading of the slag	Slag is a heavy and dense material. The potential to cause dust is low. Take precautions to minimize dust formation by wetting of the slag when necessary.	Operator
Material storage	Potential for stockpiled material to enter the surrounding environment	The slag is stable in storage. Slag is usually consumed in large volumes for which packaging is impractical. Avoid deposition outside areas of intended use. Store in demarcated areas. Avoid storage conditions that may generate dust. Manage storm water collected in slag stockpile areas.	Operator
Material handling and processing	Potential for slag to emit dust during handling, crushing and screening activities	Slag is a heavy and dense material. The potential to cause dust is low. Take precautions to minimize dust formation by wetting of the slag when necessary.	Operator
Material handling and processing of slag	Potential for skin exposure of humans whilst working with slag	Special attention other than routine personal hygiene not required. Wash hands with water and soap. Wear the appropriate PPE. Overalls and safety boots; gloves for hands, where applicable.	Operator
Material handling and processing of slag	Potential for eye contact exposure of humans whilst working	Eye protection should be worn were dust is a potential hazard. Safety goggles and face shield if the	Operator

DECLARATION

I, _____ 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) _____

Designation _____

Signature _____

Date _____ Place _____

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