

PART 2

ENVIRONMENTAL SCREENING TOOL DESIGNED FOR USE IN ASSESSING LESSEE APPLICATIONS



Transnet Rail Infrastructure Manager (TRIM)
Risk Management Department (Environmental Management Division)

September 2025

Kindly note that:

1. This is a standard screening checklist for assessing lessee applications.
2. Where applicable **tick** the boxes that are applicable or **black out** the boxes that are not applicable in the document.

TABLE OF CONTENTS

	Pages
Revision List	
Section A: Activity Information	5
Section B: Site Description	8
Section C: Impact Assessment	10
Section D: Appendices	13

REVISION LIST

[illegible]

SECTION A: ACTIVITY INFORMATION

1. ACTIVITY DESCRIPTION

Describe the activity, which is being proposed in detail:

--

2. SITE ACCESS

Does ready access to the site exist, or is access directly from an existing road?

YES	NO
m	

If NO, what is the distance over which a new access road will be built

Describe the type of access road planned:

--

Include the position of the access road on the site plan (Appendix A).

3. WASTE, EFFLUENT, EMISSION AND NOISE MANAGEMENT

3(a) Solid waste management

Will the activity produce solid construction waste during the construction/initiation phase?

YES	NO
m ³	

If yes, what type and estimated quantity will be produced per month?

How will the construction solid waste be disposed of (describe)?

--

Where will the construction solid waste be disposed of (describe)?

--	--

Will the activity produce solid waste during its operational phase?

YES	NO
-----	----

If yes, what type and estimated quantity will be produced per month?

m ³

How will the solid waste be disposed of. Should there be waste storage how long will it be stored on site before disposal? More than 90 days? (describe)?

--	--

Where will the solid waste be disposed if it does not feed into a municipal waste stream (describe)?

--	--

3(b) Liquid effluent

Will the activity produce effluent, other than normal sewage, that will be disposed of in a municipal sewage system?

YES	NO
-----	----

If yes, what estimated quantity will be produced per month?

m ³

Will the activity produce effluent that will be treated and/or disposed of at another facility?

YES	NO
-----	----

If yes, provide the particulars of the facility:

Facility name:			
Contact person:			
Postal address:			
Postal code:			
Telephone:		Cell:	
E-mail:		Fax:	

Describe the measures that will be taken to ensure the optimal reuse or recycling of waste water, if any:

3(c) Emissions into the atmosphere

Will the activity release emissions into the atmosphere?

YES	NO
YES	NO

If yes, is it controlled by any legislation of any sphere of government?

If no, describe the emissions in terms of type and concentration:

3(d) Generation of noise

Will the activity generate noise?

YES	NO
YES	NO

If yes, is it controlled by any legislation of any sphere of government?

If no, describe the noise in terms of type and level:

4. WATER USE

Please indicate the source(s) of water that will be used for the activity by ticking the appropriate box(es)

municipal	water board	groundwater	river, stream, dam or lake	Transnet	the activity will not use water
-----------	-------------	-------------	----------------------------	----------	---------------------------------

If water is to be extracted from groundwater, river, stream, dam, lake or any other natural feature, please indicate

the volume that will be extracted per month:

Does the activity require a water use permit from the Department of Water Affairs and Forestry?

	liters
YES	NO

If yes, please submit the necessary application to the Department of Water Affairs and Forestry and attach proof thereof to this proposal if it has been submitted.

5 ENERGY USE

Describe what type of energy to be used and where it will be sourced?

Describe how alternative energy sources have been taken into account or been built into the design of the activity, if any:

6. SITE PHOTOGRAPHS

Colour photographs from the center of the site must be taken in at least the eight major compass directions with a description of each photograph (refer to example below). Photographs must be attached under Appendix B to this document. It should be supplemented with additional photographs of relevant features on the site, if applicable.

Example -

North West (Photo & description)	North (Photo & description)	North East (Photo & description)
West (Photo & description)	Centre (Photo & description)	East (Photo & description)
South West (Photo & description)	South (Photo & description)	South East (Photo & description)

7. FACILITY ILLUSTRATION

A detailed illustration of the facility must be provided at a scale of 1:200 as Appendix C. The illustrations must be to scale and must represent a realistic image of the planned activity. The illustration must give a representative view of the activity.

SECTION B: SITE/AREA DESCRIPTION

1. LOCATION IN LANDSCAPE

Indicate the landform(s) that best describes the site.

Ridgeline	Plateau	Side slope of hill/mountain	Closed valley	Open valley	Plain	Undulating plain/low hills	Dune	Sea-front
-----------	---------	-----------------------------	---------------	-------------	-------	----------------------------	------	-----------

2. GROUNDWATER, SOIL AND GEOLOGICAL STABILITY OF THE SITE

Is the site(s) located on any of the following (tick the appropriate boxes)?

Shallow water table (less than 1.5m deep)	YES	NO
Dolomite, sinkhole or doline areas	YES	NO
Seasonally wet soils (often close to water bodies)	YES	NO
Unstable rocky slopes or steep slopes with loose soil	YES	NO
Dispersive soils (soils that dissolve in water)	YES	NO
Soils with high clay content (clay fraction more than 40%)	YES	NO
Any other unstable soil or geological feature	YES	NO
An area sensitive to erosion	YES	NO

3. GROUNDCOVER

Tick the types of groundcover present on the site.

Natural veld - good condition ^E	Natural veld with scattered aliens ^E	Natural veld with heavy alien infestation ^E	Veld dominated by alien species ^E	Gardens
Sport field	Cultivated land	Paved surface	Building or other structure	Bare soil

4. LAND USE CHARACTER OF SURROUNDING AREA

Black out land uses and/or prominent features that does not currently occur within a 500m radius of the site

Natural area	Low density residential	Medium density residential	High density residential	Informal residential ^A
Retail	Commercial & warehousing	Light industrial	Medium industrial ^{AN}	Heavy industrial ^{AN}
Power station ^A	Office/consulting room	Military or police base/station/compound	Casino/entertainment complex	Hospitality facility
Open cast mine	Underground mine	Spoil heap or slimes dam ^A	Quarry, sand or borrow pit	Dam or reservoir
Hospital/medical center	School	Tertiary education facility	Church	Old age home
Sewage treatment plant ^A	Train station or shunting yard ^N	Railway line ^N	Major road (4 lanes or more) ^N	Airport ^N
Harbour	Sport facilities	Golf course	Polo fields	Filling station ^H
Landfill or waste treatment site ^A	Plantation	Agriculture	River, stream or wetland	Nature conservation area
Mountain, koppie or ridge	Museum	Historical building	Graveyard	Archeological site

Other land uses (describe):	
-----------------------------	--

5. CULTURAL/HISTORICAL FEATURES

Are there any signs of culturally or historically significant elements, as defined in section 2 of the National Heritage Resources Act, 1999, (Act No. 25 of 1999), including archaeological or palaeontological sites, on or close (within 20m) to the site?	YES	NO
	Uncertain	
If YES, explain:		
If uncertain, appoint a specialist to conduct an investigation to establish whether there is such a feature(s) present on or close to the site.		
Briefly explain the findings of the specialist:		
Will any building or structure older than 60 years be affected in any way?	YES	NO
Is it necessary to apply for a permit in terms of the National Heritage Resources Act, 1999 (Act 25 of 1999)?	YES	NO
If yes, please submit or, make sure you submit the necessary application to SAHRA or the relevant provincial heritage agency and attach proof thereof to your proposal if such application has been made.		

SECTION C: IMPACT ASSESSMENT

1. IMPACTS THAT MAY RESULT FROM THE CONSTRUCTION PHASE

List the potential impacts (as appropriate) that are likely to occur as a result of the construction phase:

Direct impacts:

Indirect impacts:

Cumulative impacts:

2. IMPACTS THAT MAY RESULT FROM THE OPERATIONAL PHASE

List the potential impacts (as appropriate) that are likely to occur as a result of the operational phase:

Direct impacts:

Indirect impacts:

Cumulative impacts:

3. IMPACTS THAT MAY RESULT FROM THE DECOMMISSIONING AND CLOSURE PHASE

List the potential impacts (as appropriate) that are likely to occur as a result of the decommissioning or closure phase:

Direct impacts:

Indirect impacts:

Cumulative impacts:

4. PROPOSED MANAGEMENT OF IMPACTS AND MITIGATION

Indicate how identified impacts will be mitigated and how mitigation will be monitored and/or audited.

--

5. ENVIRONMENTAL LIABILITY

Please estimate the amount of money that can be declared as rehabilitation fund

Indicate which methods of payment to be preferred please tick below).

(a) Insurance	
(b) A financial guarantee from any South African registered bank	
(c) A deposit into the account specified by Transnet Rail Infrastructure Manager	
(d) Any other method that Transnet Rail Infrastructure Manager may determine (describe)	

SECTION D: APPENDIXES

The following appendixes must be attached as appropriate:

Appendix A: Site plan(s)

Appendix B: Photographs

Appendix C: Facility illustration(s)

SECTION E: APPENDIXES

All Environmental legislation which includes but not limited to the following to be considered

LEGISLATION, POLICY OR GUIDELINE	DESCRIPTION OF COMPLIANCE
The Constitution of the Republic of South Africa, 1996	The right to an environment that is not harmful to the health and well-being of people will be protected.
National Environmental Management Act [NEMA], 1998 (Act 107 of 1998) as amended	The proposed development triggers activities listed in listing notices GN R.983 and GN R.985 of the NEMA EIA Regulations 2014 (as amended). A basic assessment has been undertaken for Environmental Authorisation as per GNR. 982.
NEMA Environmental Impact Assessment Regulations (GNR. 982, 983, 984 & 985) of December 2014 as amended	The proposed development triggers activities listed in listing notices GN R.983 and GN R.985 of the NEMA EIA Regulations 2014 (as amended). A basic assessment has been undertaken for Environmental Authorisation as per GNR. 982.
National Environmental Management: Biodiversity Act [NEM:BA], 2004 (Act No. 10 of 2004)	The proposed development falls within a Critically Endangered Ecosystem and an Ecological Support Area. An indication of ecological sensitivity assessment and a follow up biodiversity assessment were undertaken to determine the presence of threatened species, likely impacts and

LEGISLATION, POLICY OR GUIDELINE	DESCRIPTION OF COMPLIANCE
	mitigation required. The NEMBA invasive species list, 2016 has been taken into account as part of this basic assessment.
National Heritage Resources Act [NHRA], 1999 (Act No. 25 of 1999)	A notification of intent to development was sent to the South African Heritage Resources Agency (SAHRA) in terms of the National Heritage Resources Act, 1999 (Act 25 of 1999).
National Environmental Management: Waste Act [NEM: WA], 2008 (Act No. 59 of 2008)	Reasonable measures have been provided for the prevention of pollution and ecological degradation to ensure that the development is ecologically sustainable.
National Water Act [NWA], 1998 (Act No. 36 of 1998)	A General Authorisation was applied for in terms of Section 21(c) and (i) water uses in terms of the National Water Act, 1998 (Act 36 of 1998) and DWS granted this. Please refer to Appendix F.
National Road Traffic Act [NRTA], 1996 (Act No. 93 of 1996)	All vehicles and relevant operators will adhere to the National Road Traffic Act, 1996 (Act 93 of 1996) and all regulations under this Act.
Occupational Health and Safety Act [OHSA], 1993 (Act No. 85 of 1993)	The Contractor will ensure the health and safety of all workers and that of others that may be at risk as per the Occupational Health and Safety Act, 1993 (Act 85 of 1993).