

Appendix C6:
Comments Received

Inserted as per Comments and Responses Report

TRANSNET SOC LTD

Savannah Public Process

From: Thami Hadebe Transnet Pipelines DBN
Sent: Thursday, April 15, 2021 9:25 AM
To: Savannah Public Process
Subject: RE: ZERO WASTE RECOVERY PLANT AND ASSOCIATED INFRASTRUCTURE (DFFE Ref.No.: 14/12/16/3/3/2/401): Notification of Availability of Environmental Impact Assessment Report for review and comment

Dear Ms Venter,

Your wayleave application with DFFE reference number 14/12/16/3/3/2/401 dated 14 April 2021 has reference.

Transnet pipeline servitudes are not affected by the proposed work/installations/excavations/connections/construction/road upgrade/development/etc as depicted on your Locality and/or Project/Site Layout Plans. **This wayleave authorisation is valid for thirty six (36) months from today's date – 15 April 2021.**

Yours Sincerely
Thami (Mr MT Hadebe)



TRANSNET HAS A 'ZERO GIFTS' POLICY. NO EMPLOYEE IS ALLOWED TO ACCEPT GIFTS, FAVOURS

From: Savannah Public Process <publicprocess@savannahsa.com>
Sent: Wednesday, 14 April 2021 17:54
To: Thami Hadebe Transnet Pipelines DBN
Subject: ZERO WASTE RECOVERY PLANT AND ASSOCIATED INFRASTRUCTURE (DFFE Ref.No.: 14/12/16/3/3/2/401): Notification of Availability of Environmental Impact Assessment Report for review and comment

"External email: Open with Caution"

**PROPOSED DEVELOPMENT OF A ZERO WASTE RECOVERY PLANT AND ASSOCIATED INFRASTRUCTURE
NEAR KWA-GUQA, MPUMALANGA PROVINCE
(DFFE Reference No.: 14/12/16/3/3/2/401)**

Dear Stakeholder and Interested & Affected Party,

Savannah Environmental (Pty) Ltd, the appointed Environmental Assessment Practitioner (EAP) notified you as a registered interested and affected parties (I&APs), in November 2020 of the availability of the Scoping Report for the above-mentioned project for your review and comments. The final Scoping Report was submitted to the Department of Forestry, Fisheries and the Environment (DFFE) on 08 January 2021.

We would like to take this opportunity to inform you, as registered interested and affected party (I&AP), that the DFFE has accepted the final Scoping Report and approved the Plan of Study for the Environmental Impact Assessment (EIA) in terms of Regulation 22 (a) of the EIA Regulations, 2014, as amended. The letter in this regard was received, on Thursday, 18 February 2021.

This e-mail, and attached notification letter, serves to inform you that the Environmental Impact Assessment Report (EIAR) is available for your review and comment from **Friday, 16 April 2021** until **Tuesday, 18 May 2021**.

The EIAR is available on Savannah Environmental's website [click here](#) as from Friday, 16 April 2021.

Kind regards,

[Unsubscribe this type of email](#)

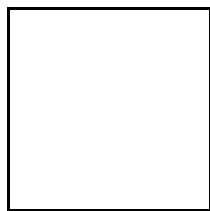


t: 011 656 3237
f: 086 684 0547

Nicolene Venter
Public Process

e: publicprocess@savannahsa.com
c: +27 (0) 60 978 8396

SAWEA Award for Leading Environmental Consultant on Wind Projects in 2013 & 2015



DISCLAIMER: The information contained in this email and its attachments is both confidential and subject to copyright. If you are not the intended recipient, you are hereby notified not to read, disclose copy or use the contents thereof in any manner whatsoever, but are kindly requested to notify the sender and delete it immediately. This e-mail message does not create any legally binding contract between Transnet SOC LTD and the recipient, unless the contrary is specifically stated. Statements and opinions expressed in e-mails may not represent those of Transnet SOC LTD. While Transnet will take reasonable precautions, it cannot give any guarantee or warrant that this email will be free of virus infections, errors, interception and, therefore, cannot be held liable for any loss or damages incurred by the recipient, as a result of any of the above-mentioned factors.

SOUTH AFRICAN NATIONAL ROADS AGENCY SOC
LTD

Savannah Public Process

From: Savannah Public Process
Sent: Wednesday, April 21, 2021 4:08 AM
To: Ria Barkhuizen (NR)
Subject: RE: ZERO WASTE RECOVERY PLANT AND ASSOCIATED INFRASTRUCTURE (DFFE Ref.No.: 14/12/16/3/3/2/401): Notification of Availability of Environmental Impact Assessment Report for review and comment

Dear Ria,

SANRAL's request is acknowledged and the CD containing the EIAR will be courier to your office as per the address provided below.

Kind regards,



t: +27 (0)11 656 3237
f: +27 (0) 86 684 0547

Nicolene Venter
Public Process

e: Publicprocess@savannahsa.com
c: +27 (0)60 978 8396

SAWEA Award for Leading Environmental Consultant on Wind Projects in 2013 & 2015

From: Ria Barkhuizen (NR)
Sent: Tuesday, April 20, 2021 1:57 PM
To: Savannah Public Process <publicprocess@savannahsa.com>
Subject: RE: ZERO WASTE RECOVERY PLANT AND ASSOCIATED INFRASTRUCTURE (DFFE Ref.No.: 14/12/16/3/3/2/401): Notification of Availability of Environmental Impact Assessment Report for review and comment

Good day

Due to limit working hours, working from home & limited internet access, electronic copies of applications will no longer be accepted.

Can you please hand deliver the documentation (CD) via Courier to 38 Ida street, Menlo Park, Pretoria, 0081, or post to SANRAL's offices.

Kind regards
Ria

Mpumalanga Public Works, Roads & Transport



public works,
roads & transport

MPUMALANGA PROVINCE
REPUBLIC OF SOUTH AFRICA

16 Hope Street, Mbombela, 1200, Mpumalanga Province
Private Bag X11310, Mbombela, 1200, Mpumalanga Province

TRANSPORT INFRASTRUCTURE

Litiko Letemisebenti Yemphakatsi,
Temigwaco Netekutfutsa

Departement van Openbare Werke,
Paaie en Vervoer

UmNyango wezemiSebenzi yomPhakathi,
zeeNdlela nezokuThutha

Ref: F09/11/2/2- P 120-1
Enq: M.J. Mojapelo

Savannah Environmental Consultants cc
Pretoria
0001

Attention: Nicolene Venter

RE: ENVIRONMENTAL AUTHORIZATION FOR THE PROPOSED ZERO WASTE RECOVERY PLANT: NEAR KWA-GUQA

This is with reference to your EIA dated 30 April 2021

We are at this stage unable to give comprehensive comments as we do not know as yet what the final route of the above will be.

We shall be able to give our comments after or towards the finalization of your E.I.A, which will be on all affected Provincial Roads under the jurisdiction of Mpumalanga Department of Public Works, Roads and Transport.


MC Morolo
Deputy Director General
Public Infrastructure

Date: 03.05.2021

Directorate: Biodiversity Conservation

Savannah Public Process

From: Savannah Public Process
Sent: Wednesday, May 26, 2021 10:24 AM
To: Tsholofelo Shalot Sekonko
Cc: MMatlala Rabothata
Subject: RE: Request an email regarding

Dear Ms Sekonko,

As requested below, please receive herewith confirmation that the content of the e-mail below is a true reflection of the discussion between your Directorate and Ms Mmakoena Mmola from Savannah Environmental.

Kind regards,



t: +27 (0)11 656 3237
f: +27 (0) 86 684 0547

Nicolene Venter
Public Process

e: Publicprocess@savannahsa.com
c: +27 (0)60 978 8396

SAWEA Award for Leading Environmental Consultant on Wind Projects in 2013 & 2015

From: Tsholofelo Shalot Sekonko
Sent: Wednesday, May 5, 2021 11:11 AM
To: Savannah Public Process <publicprocess@savannahsa.com>
Cc: MMatlala Rabothata
Subject: Request an email regarding

Dear Ms Venter

As discussed over the phone with Ms Mokoena regarding the specialist studies conducted, she confirmed that the biodiversity studies were not conducted and the report as been sent to the relevant section. Thus, no comments are expected from the Biodiversity Directorate. Having said that, could you kindly send us the email that confirms all that we spoke about via telephone for security reasons.

I hope you find all in order.

*Regards,
Ms Tsholofelo Sekonko
Intern: Biodiversity Mainstreaming EIA
Department of Forestry, Fisheries and the Environment
473 Steve Biko Rd
Arcadia
Pretoria
0083*

Disclaimer

This message and any attachments transmitted with it are intended solely for the addressee(s) and may be legally privileged and/or confidential. If you have received this message in error please destroy it and notify the sender. Any unauthorized usage, disclosure, alteration or dissemination is prohibited. The Department of Environmental Affairs accepts no responsibility for any loss whether it be direct, indirect or consequential, arising from information made available and actions resulting there from. The views and opinions expressed in this e-mail message may not necessarily be those of Management..

DEPARTMENT OF WATER AND SANITATION



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

MPUMALANGA

Private Bag X11259, Mbombela, 1200. Prorom Buiding, Cnr Brown and Paul Kruger Street

Enquiries: BN Mnguni

Telephone:

Reference: 16/2/7/B100/N601

Savannah Environmental
PO Box 148
SUNNINGHILL
2157

Attention: Nicolene Venter

SAVANNAH ENVIRONMENTAL (2021), ENVIRONMENTAL IMPACT ASSESSMENT REPORT FOR THE ANGLO AFRICAN METALS ZERO WASTE RECOVERY SOLUTION AND ASSOCIATED INFRASTRUCTURE NEAR KWA-GUQA, MPUMALANGA PROVINCE, (DFFE REFERENCE NUMBER: 14/12/16/3/3/401)

Reference is made to the above-mentioned application submitted to the Department on 24 March 2021.

1. **Sanitation:** it is mentioned on page 28 that sanitation waste generated in septic tanks system will be emptied as required by a licensed service provider for disposal.

In light of the above, the applicant shall take reasonable measures to prevent the potential pollution of the ground and surface water resources due to the proposed onsite sanitation facilities.

2. **Waste:** It is mentioned on page 28 that service agreement for waste has been entered into with Highveld Steel in terms of the lease agreement. The applicant shall ensure that the general and hazardous waste generated on site is separated and disposed in such a manner as not to cause any nuisance conditions or secondary pollution.
3. The applicant shall ensure that no stock piling of any material shall take place within 100 m from the watercourse owing to high sedimentation.
4. **Stormwater Management:** Stormwater management plan must be implemented to prevent pollution on run-off. The applicant must ensure that stormwater is diverted away from all the working areas and the stormwater leaving the construction areas must not be contaminated by any substance, whether that substance is a solid, liquid, vapour or any combination thereof. The soil must be stabilised in order to prevent the resulting wash downs into any water resource and where possible rehabilitation of the disturbed areas must be done concurrently with the construction activity.
5. Page 28, it is mentioned that all storage areas for **dangerous goods** will be bunded.

In light of the above, the applicant shall ensure that the storage areas for these dangerous goods shall be bunded with cement and in such a manner that any spillages can be contained and reclaimed without causing any pollution to the ground and surface water resources.



6. The Department has noted that on page 69, it is mentioned that no section 21 water uses in terms of the National Water Act, 1998 (Act No. 36 of 1998) have been triggered by the proposed project. Should any 21 water uses be triggered, the project proponent would need to apply for a Water Use Licence or register for a General Authorisation with the Department of Water and Sanitation. Furthermore on page 28, it is mentioned that service agreement for water has been entered into with Highveld Steel in terms of the lease agreement.
7. The Applicant is referred to Section 19(1) of the National Water Act, 1998 (Act No. 36 of 1998), and to report any pollution incidents originating from the proposed project to the Regional Office of the Department of Water and Sanitation within 24 hours.

Please do not hesitate to contact the Department on the contact details listed above should you have further queries.

Yours faithfully,



PROVINCIAL HEAD: MPUMALANGA

DATE: 11/05/2021

Department of Forestry, Fisheries and the
Environment



forestry, fisheries & the environment

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

Private Bag X 447· PRETORIA 0001· Environment House 473 Steve Biko Road, Arcadia,· PRETORIA

DFFE Reference: 14/12/16/3/3/3/401
Enquiries: Mr Lunga Dlova

Ms Jo-Anne Thomas
Savannah Environmental (Pty) Ltd
PO Box 148
SUNNINGHILL
2157

Telephone Number: 011 656 3237
Email Address: joanne@savannahsa.com

PER MAIL / E-MAIL

Dear Ms Thomas

COMMENTS ON THE DRAFT ENVIRONMENTAL IMPACT ASSESSMENT REPORT FOR THE PROPOSED ZERO WASTE RECOVERY PLANT AND ASSOCIATED INFRASTRUCTURE NEAR KWA-GUQA IN MPUMALANGA PROVINCE

The Application for Environmental Authorisation and Draft Environmental Impact Assessment Report (EIAr) received by the Department on 20 November 2020 and 16 April 2021, respectively refer.

This letter serves to inform you that the following information must be included in the final EIAr:

(a) Listed Activities

- Please ensure that all relevant listed activities are applied for, are specific and can be linked to the development activity or infrastructure as described in the project description. Only activities applicable to the development must be applied for and assessed.
- If the activities applied for in the application form differ from those mentioned in the final EIAr, an amended application form must be submitted. Please note that the Department's application form template has been amended and can be downloaded from the following link <https://www.environment.gov.za/documents/forms>.
- It is imperative that the relevant authorities are continuously involved throughout the environmental impact assessment process as the development property possibly falls within geographically designated areas in terms of numerous GN R. 985 Activities. Written comments must be obtained from the relevant authorities and submitted to this Department. In addition, a graphical representation of the proposed development within the respective geographical areas must be provided.

(b) Air Quality

- The project area is located within the footprint demarcated as the Highveld Priority Area (HPA), therefore the applicant will have to comply with all requirements, such as emission reduction strategies and intervention programmes to improve air quality in HPA.

- The incremental and cumulative potential impact associated with the operation phase of the Zero-Waste Recovery plant must apply all mitigation measures as indicated in Table 25 of the Air Impact Report (AIR).
- And incremental and cumulative potential impact associated with the construction and decommissioning of the Zero-Waste Recovery plant to apply all mitigation measures as indicated in Table 27 & 28 of the AIR.
- It is required that after the issuance of the Environmental Authorisation, the facility must apply for and be in possession of a Provisional Atmospheric Emission Licence (PAEL) issued by the Minister for Forestry, Fisheries & the Environment for all proposed activities that are listed in terms of Section 21 of the National Environmental Management: Air Quality Act, 2004 (Act No. 39 of 2004) before operation.
- The PAEL application must be submitted on the online application system, the South African Atmospheric Emission Licencing & Inventory Portal (SAAELIP).
- It is therefore recommended the best available technologies be employed to mitigate point source and fugitive particulate emissions.
- A Revised Specialist Air Quality Impact Assessment Report (or AIR) that addresses the issues raised above must be submitted in support of the PAEL application.
- It is recommended that the above inputs be taken into account during the final phase of the EIA process, or during finalisation of the application.
- Should these issues not be addressed during EIA process, the applicant will be expected to address these issues fully during the PAEL application process.
- Approval of EIA process with air quality issues addressed shouldn't be misconstrued as automatic satisfaction of PAEL process.
- The Department also reserves the right to make more findings in the PAEL application and attachment thereof.

(c) Licensing

- The applicant had applied for activities in terms of the National Environmental Management: Waste Act, 2008 and the Environmental Impact Regulations, 2014 for Government Notice 921, Category B3, B4 and B10.
- The applicant may continue with the process of drafting and following the Environmental Impact Regulations (EIR).

(d) Public Participation Process

- The following information must be submitted with the final EIAR:
 - a) A list of registered interested and affected parties as per Regulation 42 of the NEMA EIA Regulations, 2014, as amended;
 - b) Copies of all comments received during the draft EIAR comment period; and
 - c) A comment and response report which contains all comments received and responses provided to all comments and issues raised during the public participation process for the draft EIAR. Please note that comments received from this Department must also form part of the comment and response report.
- Please ensure that all issues raised and comments received during the circulation of the draft EIAR from registered I&APs and organs of state which have jurisdiction (including this Department's Biodiversity Section (including the following Department's Directorate; Air Quality Management, Waste Licensing and/or Biodiversity) in respect of the proposed activity are adequately addressed in the final EIAR.
- Proof of correspondence with the various stakeholders must be included in the final EIAR. Should you be unable to obtain comments, proof should be submitted to the Department of the attempts that were made to obtain comments. The Public Participation Process must be conducted in terms of Regulation 39, 40, 41, 42, 43 & 44 of the EIA Regulations 2014, as amended.

(e) Environmental Management Programme

- The EMPr must also include the following:
 - All recommendations and mitigation measures recorded in the EIAR and the specialist studies conducted.
 - An environmental sensitivity map indicating environmental sensitive areas and features identified during the assessment process.
 - Measures to protect hydrological features such as streams, rivers, pans, wetlands, dams and their catchments, and other environmental sensitive areas from construction impacts including the direct or indirect spillage of pollutants.
- In addition to the above, the EMPr must comply with Appendix 4 of the EIA Regulations, 2014, as amended.

General

The EIAR must provide the technical details for the proposed facility in a table format as well as their description and/or dimensions.

Please also ensure that the final EIAR includes the period for which the Environmental Authorisation is required and the date on which the activity will be concluded as per Appendix 3 of the NEMA EIA Regulations, 2014, as amended.

Should you fail to meet any of the timeframes stipulated in Regulation 23 of the NEMA EIA Regulations, 2014, as amended, your application will lapse.

You are hereby reminded of Section 24F of the National Environmental Management Act, Act No. 107 of 1998, as amended, that no activity may commence prior to an Environmental Authorisation being granted by the Department.

Yours sincerely



Mr Sabelo Malaza

Chief Director: Integrated Environmental Authorisations

Department of Forestry, Fisheries and the Environment

Signed by: Ms Masina Litsoane

Designation: Control Environmental Officer: National Infrastructure Projects

Date: 18/05/2021

C	Anette Pocock	Anglo African Metals (PTY) Ltd
c	Mr Erald Nkabinde	eMalahleni Local Municipality
	Mr Velle C Makedama	eMalahleni Local Municipality



environment, forestry & fisheries

Department:
Environment, Forestry and Fisheries
REPUBLIC OF SOUTH AFRICA

Private Bag X 447· PRETORIA 0001· Environment House 473 Steve Biko Road, Arcadia· PRETORIA

DEFF Reference: 14/12/16/3/3/2/401

Enquiries: Mr Lunga Dlova

Ms Jo-Anne Thomas
Savannah Environmental (Pty) Ltd
PO Box 148
SUNNINGHILL
2157

Telephone Number : 011 656 3237
Email Address : joanne@savannahsa.com

PER MAIL / E-MAIL

Dear Ms Thomas

ACCEPTANCE OF THE SCOPING REPORT FOR THE PROPOSED ZERO WASTE RECOVERY PLANT AND ASSOCIATED INFRASTRUCTURE NEAR KWA-GUQA IN MPUMALANGA PROVINCE.

The final Scoping Report (SR) and the Plan of Study for Environmental Impact Assessment dated January 2021 and received by the Department on 08 January 2021, refer.

The Department has evaluated the submitted final SR and the Plan of Study for Environmental Impact Assessment dated January 2021 and is satisfied that the documents comply with the minimum requirements of the Environmental Impact Assessment (EIA) Regulations, 2014, as amended. The FSR is hereby accepted by the Department in terms of Regulation 22(1)(a) of the EIA Regulations, 2014, as amended.

You may proceed with the environmental impact assessment process in accordance with the tasks contemplated in the Plan of Study for Environmental Impact Assessment as required in terms of the EIA Regulations, 2014, as amended.

In addition, the following amendments and additional information are required for the EIA:

(a) Air Quality

(i) Atmospheric Emission License –

- According to the information provided the Atmospheric Emission License will be a new licence for the facility, which must comply with new plant Minimum Emission Standards (MESS) as per AQA for facilities operating in Air Priority Areas.
- Kindly note that these are the preliminary findings, based on the information provided. Therefore, the facility will have an opportunity to make representations on the AEL type during processing of the AEL application.

(iii) Air Quality Dispersion Modelling -

- Air dispersion modelling exercise must be done in accordance with the Regulations regarding Air Dispersion Modelling – Regulations No.533 of 11 July 2014, issued in terms of the NEM: AQA,

- The dispersion modelling can provide reliable information, if for example, the 1st case considers baseline for all current emitters in the surrounding environment (excluding proposed development); the 2nd case considers the proposed development in isolation of the current emitters; and the 3rd case to combine the baseline plus proposed development (cumulative). The study should have more noticeable impacts.

(iv) Emission Control Technology -

- Detailed information on air pollution abatement equipment to be used in order to comply, including its performance, efficiency, availability and the expected emission concentration in mg/Nm³ (under normal condition of 273K, 101.3kPa, dry gas) for pollutants such as NO_x, PM, SO₂, and some metals, depending on reactions in terms of Section 21 of NEM: AQA (Act 39 of 2004) listed activities.

(v) Health Impact Assessment (Sensitive Receptor focussed) -

- The Health Impact Assessment must be conducted and amongst others must provide of the details:
 - Methodology;
 - Exposure assessment, and
 - Dose exposure assessment.

(vi) Compliance -

- Dust emission is anticipated from both the line and area source, as such the facility should commit to control of dust in terms of section 32 (a); (b) and (c) of the National Environmental Management: Air Quality Act, 2004 (Act No.39 of 2004) and the National Dust Control Regulations of 2013.
- It is recommended that a Fugitive Emission Management Plan for the anticipated fugitive emissions that might occur onsite must be developed.

(b) Public Participation

- Please ensure that comments from all relevant stakeholders are submitted to the Department with the EIAr. This includes but is not limited to the provincial Department of Agriculture, SANRAL, eMalaheni Local Municipality, the Nkangala District Municipality, the Department of Water and Sanitation (DWS), the South African Heritage Resources Agency (SAHRA), the Department of Mineral Resources, the Mpumalanga Department of Agriculture, Rural Development, Land and Environmental Affairs, the Department of Rural Development and Land Reform, and the Department of Environment, Forestry and Fisheries: Directorate Biodiversity and Conservation should be submitted via E-mail: BCAdmin@environment.gov.za for attention of Mr Seoka Lekota.
- Public participation process should be carried out in compliance with section 57 (1) (2) (3) (4) of the act.
- It is also advised that complaint register at the local authority be perused for any air quality related complaints in the vicinity of the proposed project.
- The public participation process documents related to Air Quality for review and queries should be submitted to the Directorate: Climate Change & Air Quality Management - Email: MNgcobo@environment.gov.za for attention of Mr Mthobisi Ngcobo.
- Please ensure that all issues raised and comments received during the circulation of the draft SR and draft EIAr from registered I&APs and organs of state which have jurisdiction in respect of the proposed activity are adequately addressed in the final EIAr. Proof of correspondence with the various stakeholders must be included in the final EIAr. Should you be unable to obtain comments, proof should be submitted to the Department of the attempts that were made to obtain comments.
- A Comments and Response trail report (C&R) must be submitted with the final EIAr. The C&R report must incorporate all comments for this development. The C&R report must be a separate document from the main report and the format must be in the table format as indicated in Appendix 1 of this comments letter. Please refrain from summarising comments made by I&APs. All comments from I&APs

must be copied verbatim and responded to clearly. Please note that a response such as "noted" is not regarded as an adequate response to I&AP's comments.

- Comments from I&APs must not be split and arranged into categories. Comments from each submission must be responded to individually.
- The Public Participation Process must be conducted in terms of Regulation 39, 40, 41, 42, 43 & 44 of the EIA Regulations, 2014, as amended.
- The EAP is requested to contact the Department to make the necessary arrangements to conduct a site inspection prior to the submission of the final EIAR.

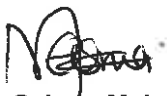
General

- (i) The EIAR must provide the technical details for the proposed facility in a table format as well as their description and/or dimensions. A sample for the minimum information required is listed under Annexure 2 below.
- (ii) Details of the future plans for the site and infrastructure after decommissioning in 20-30 years and the possibility of upgrading the proposed infrastructure to more advanced technologies must be indicated.
- (iii) Should a Water Use License be required, proof of application for a license needs to be submitted.
- (iv) The EAP must provide landowner consent for all farm portions affected by the proposed project, whether the project component is linear or not, i.e. all farm portions where the Zero Waste Recovery Plant and associated infrastructure is to be located.
- (v) A construction and operational phase EMP that includes mitigation and monitoring measures must be submitted with the final EIAR.

The applicant is hereby reminded to comply with the requirements of Regulation 45 of GN R982 of 04 December 2014, as amendment, with regard to the time period allowed for complying with the requirements of the Regulations.

You are hereby reminded of Section 24F of the National Environmental Management Act, Act No. 107 of 1998, as amended, that no activity may commence prior to an environmental authorisation being granted by the Department.

Yours faithfully



Mr Sabelo Malaza

Chief Director: Integrated Environmental Authorisations

Department of Environment, Forestry and Fisheries

Signed by: Ms Masina Litsoane

Designation: Control Environmental Officer: National Infrastructure Projects

Date: 18/02/2021

Cc	Anette Pocock	Anglo African Metals (PTY) Ltd
	Mr Erald Nkabinde	eMaalaheni Local Municipality
	Mr Velile C Makedama	eMaalaheni Local Municipality

Annexure 1

Format for Comments and Response Trail Report:

Date of comment, format of comment name of organisation/I&AP	Comment	Response from EAP/Applicant/Specialist
27/01/2016 Email Department of Environment, Forestry and Fisheries: Priority Infrastructure Projects (John Doe)	Please record C&R trail report in this format Please update the contact details of the provincial environmental authority	EAP: (Noted)The C&R trail report has been updated into the desired format, see Appendix K EAP: Details of provincial authority have been updated, see page 16 of the Application form

Annexure 2: Sample of technical details for the proposed facility

Component	Description / dimensions
Height of PV panels	
Area of PV Array	
Number of inverters required	
Area occupied by inverter / transformer stations / substations	
Capacity of on-site substation	
Area occupied by both permanent and construction laydown areas	
Area occupied by buildings	
Length of internal roads	
Width of internal roads	
Proximity to grid connection	
Height of fencing	
Type of fencing	

I&APs

Savannah Public Process

From: Jurie Snyman
Sent: Thursday, April 15, 2021 2:21 PM
To: 'Cezanne Jevon'; Savannah Public Process
Subject: RE: ZERO WASTE RECOVERY PLANT AND ASSOCIATED INFRASTRUCTURE (DFFE Ref.No.: 14/12/16/3/3/2/401): Notification of Availability of Environmental Impact Assessment Report for review and comment

Hi Nicole,

Can you please make all documentation available for review over dropbox.

Thanks

From: Cezanne Jevon <cezanne@pistorius.co.za>
Sent: Thursday, 15 April 2021 12:10
To: Jurie Snyman <jurie@rational.eco>
Subject: FW: ZERO WASTE RECOVERY PLANT AND ASSOCIATED INFRASTRUCTURE (DFFE Ref.No.: 14/12/16/3/3/2/401): Notification of Availability of Environmental Impact Assessment Report for review and comment

Hello!

FYI.

Groete,



CEZANNE JEVON

From: Savannah Public Process <publicprocess@savannahsa.com>
Sent: Wednesday, 14 April 2021 17:54
To: Cezanne Jevon
Subject: ZERO WASTE RECOVERY PLANT AND ASSOCIATED INFRASTRUCTURE (DFFE Ref.No.: 14/12/16/3/3/2/401): Notification of Availability of Environmental Impact Assessment Report for review and comment

**PROPOSED DEVELOPMENT OF A ZERO WASTE RECOVERY PLANT AND ASSOCIATED INFRASTRUCTURE NEAR KWA-GUQA, MPUMALANGA PROVINCE
(DFFE Reference No.: 14/12/16/3/3/2/401)**

Dear Stakeholder and Interested & Affected Party,

Savannah Environmental (Pty) Ltd, the appointed Environmental Assessment Practitioner (EAP) notified you as a registered interested and affected parties (I&APs), in November 2020 of the availability of the Scoping Report for the above-mentioned project for your review and comments. The final Scoping Report was submitted to the Department of Forestry, Fisheries and the Environment (DFFE) on 08 January 2021.

We would like to take this opportunity to inform you, as registered interested and affected party (I&AP), that the DFFE has accepted the final Scoping Report and approved the Plan of Study for the Environmental Impact Assessment (EIA) in terms of Regulation 22 (a) of the EIA Regulations, 2014, as amended. The letter in this regard was received, on Thursday, 18 February 2021.

This e-mail, and attached notification letter, serves to inform you that the Environmental Impact Assessment Report (EIAR) is available for your review and comment from **Friday, 16 April 2021** until **Tuesday, 18 May 2021**.

The EIAR is available on Savannah Environmental's website [click here](#) as from Friday, 16 April 2021.

Kind regards,

[Unsubscribe this type of email](#)



t: 011 656 3237
f: 086 684 0547

Nicolene Venter
Public Process

e: publicprocess@savannahsa.com
c: +27 (0) 60 978 8396

SAWEA Award for Leading Environmental Consultant on Wind Projects in 2013 & 2015

Nicolene Venter

From: Gideon Raath
Sent: Monday, April 19, 2021 12:13 PM
To:
Cc: Nicolene Venter; Anette Pocock (anettepocock@foderegroup.com); Mmakoena Mmola
Subject: SE2015| Zero Waste Slag recovery

Good day Cezanne,

Following our discussion a while back and your various queries on the Zero waste recovery project, please see below summary response.

<p>Which slag is being used (i.e. what source). Is the alchem site being used?</p>	<p>Currently envisaged using the existing slag stockpiles (specifically Elken) within the Highveld steel complex, with potential for future import of slag via railway siding from other areas of slag production.</p>
<p>What is the process utilised?</p>	<p>Commercial sensitivities around the intellectual property of the exact chemical process, however please see below the following description of the general process.</p> <p>The technology developed includes the following approximate process:</p> <ul style="list-style-type: none">» Crushing and milling of titanium dioxide (TiO₂) slag to the appropriate size for further treatment.» Magnetic separation of entrained metallic iron from the crushed slag, which is used to separate ferroalloy production process.» Alkali roasting of the remaining feedstock using a gas fired kiln. Off-gases from the kiln is a combination of mainly carbon monoxide (CO), and carbon dioxide and, a very small concentration of sulphur dioxide. These off gases are passed through the off-gas scrubber to remove SO₂ and the remaining CO₂ and CO is reused in the kiln to supply part of the required heat.» The material produced during alkali roasting from the kiln is then leached in water to dissolve vanadium and alumina.» A further process produces vanadium pentoxide and recovers aluminium oxide from the leached products in the steps above.» The remaining solid or residue after extracting vanadium is treated via leaching and curing sulphuric acid. The SO₂ gases or fumes given out during leaching or roasting are scrubbed off.» Iron, magnesium and TiO₂ are recovered from solution via precipitation steps.» Precipitated TiO₂ is heated to remove water.» The leach solution is neutralised with lime to form calcium sulphate and respective sulphates. The mixture of sulphates is heated in the furnace to produce sulphuric acid which is then used in the leaching step. The solid material after heating in the furnace is mainly calcium silicate which is used for cement production and construction.» The remaining material after leaching of titanium, magnesium, aluminium oxide etc is mainly silica sand which is also used for construction. Metals may also be produced from the precipitation processes above, intended for third party resale. <p>This process therefore recovers vanadium and titanium oxide from slag materials, with water, carbon monoxide and carbon dioxide, gypsum, various metals and synthetic rutile produced at the various stages. These materials are all useful in other processes and are planned to be collected and sold to third parties. The process itself therefore results in no further waste production, while simultaneously utilising a common waste type – i.e. slag.</p>

What type of slag is being utilised	Titanium dioxide (TiO2) slag
Gypsum is a byproduct of your process, who is this being sold to? There are business synergies to be had so would like to get in touch with the proponent for a discussion around the sale of this	<p>Please see below the contact details of Anette Pocock, who is the primary contact on the proponent's side. Please can I ask you discuss with her any potential sale of materials from the process, as this would not be related to the EIA process and so is best addressed directly.</p> <p>Anette Pocock Business Development Director</p>

Please let me know if you have any queries.

Thanks,



t: +27 (0)11 656 3237
f: +27 (0) 86 684 0547

Gideon Raath
Environmental & Permitting Consultant

e: gideon@savannahsa.com
c: +27 (0) 72 194 3644

SAWEA Award for Leading Environmental Consultant on Wind Projects in 2013 & 2015

ANGLO AFRICAN METALS ZERO WASTE RECOVERY SOLUTION NEAR KWA-GUQA, MPUMALANGA PROVINCE

Environmental Impact Assessment Report
April 2021

DFFE Reference: 14/12/16/3/3/3/401

savannah
environmental

t +27 (0)11 656 3237

f +27 (0)86 684 0547

e info@savannahsa.com

w www.savannahsa.com

PURPOSE OF THE EIA REPORT AND INVITATION TO COMMENT

Anglo African Metals (Pty) Ltd, the South African registered company of Fodere Titanium, has developed a disruptive technology for the economic extraction of valuable minerals from mining ore and waste materials. The process offers solutions for simultaneously extracting both vanadium and titanium oxides from slag materials. The technology developed by Anglo African Metals is also demonstrated to extract aluminium as aluminium oxide (Al_2O_3), magnesium as magnesium oxide (MgO) and calcium as calcium sulphate/gypsum ($CaSO_4$). The project is known as the Anglo African Metals Zero Waste Recovery Solution.

The waste recovery plant is proposed to be located on the Remaining Extent of the Farm Highveld Industrial Park No. 1230 JS, approximately 17 km west of eMalahleni town in the eMalahleni Local Municipality (LM) within the Nkangala District Municipality (DM) in Mpumalanga (refer to **Figure 1**). The development area is approximately 4 ha in extent and is contained within the EVRAZ Highveld Steel and Vanadium property¹. The site is accessible directly off the R104, from the N4 turnoff near Kwa-Guqa informal settlement.

Anglo African Metals appointed Savannah Environmental as the independent environmental consultant to undertake the Environmental Impact Assessment (EIA) process for the proposed project. The EIA process is being undertaken in accordance with the requirements of the 2014 EIA Regulations, as amended, promulgated in terms of the National Environmental Management Act (NEMA; Act No. 107 of 1998).

This EIA Report represents the findings of the EIA Phase of the EIA process and contains the following chapters:

- » **Chapter 1** provides background to the proposed project and the environmental impact assessment process.
- » **Chapter 2** provides a description of the Zero Waste Recovery Solution Project and technology, including feasible alternatives identified and considered for the project.
- » **Chapter 3** outlines the strategic legal context for waste planning in South Africa, as well an overview of the policy and legislative context within which the Zero Waste Recovery Solution Project is proposed.
- » **Chapter 4** describes the need and desirability of the project.
- » **Chapter 5** outlines the process which was followed during the EIA Phase of the EIA Process.
- » **Chapter 6** describes the existing biophysical and socio-economic environment affected by the proposed project.
- » **Chapter 7** provides a description and assessment of the potential issues and impacts associated with the proposed project, including potential cumulative impacts.
- » **Chapter 8** presents the conclusions of the EIA Report.
- » **Chapter 9** provides a list of all references used in the compilation of the EIA Report.

The EIA Report has been made available for review from **Friday 16 April 2021 to Tuesday 18 May 2021** at <https://www.savannahsa.com/public-documents/other/>. All comments received and recorded during the 30-day review and comment period of the EIA Report will be included, considered and addressed within the final EIA Report for the consideration of the National Department of Forestry, Fisheries and the Environment (DFFE).

¹ As of June 1, Highveld Industrial Park (Pty) Ltd will be the landowner.

The limited potential for cumulative impacts and risks makes the location of this project within the identified site of the EVRAZ Highveld Steel and Vanadium property² a desirable location for the proposed project, provided that environmental impacts are mitigated to suitable standards as recommended within this EIA Report.

² As of June 2021, Highveld Industrial Park (Pty) Ltd will be the landowner.

CHAPTER 1 INTRODUCTION

Anglo African Metals (Pty) Ltd, the South African registered company of Fodere Titanium, has developed a disruptive technology for the economic extraction of valuable minerals from mining ore and waste materials. The process offers solutions for simultaneously extracting both vanadium and titanium oxides from slag materials. The technology developed by Anglo African Metals is also demonstrated to extract aluminium as aluminium oxide (Al_2O_3), magnesium as magnesium oxide (MgO) and calcium as calcium sulphate/gypsum ($CaSO_4$). The project is known as the Anglo African Metals Zero Waste Recovery Solution.

The waste recovery plant is proposed to be located on the Remaining Extent of the Farm Highveld Industrial Park No. 1230 JS, approximately 17 km west of eMalahleni town in the eMalahleni Local Municipality (LM) within the Nkangala District Municipality (DM) in the Mpumalanga Province (refer to **Figure 1.1**). The development area is approximately 4 ha in extent and is contained within the EVRAZ Highveld Steel and Vanadium (Highveld) property³. The site is accessible directly off the R104, from the N4 turnoff near Kwa-Guqa informal settlement.

This EIA Report consists of the following chapters:

- » **Chapter 1** provides background to the proposed project and the environmental impact assessment process.
- » **Chapter 2** provides a description of the Zero Waste Recovery Solution Project and technology, including feasible alternatives identified and considered for the project.
- » **Chapter 3** outlines the strategic legal context for waste planning in South Africa, as well an overview of the policy and legislative context within which the Zero Waste Recovery Solution Project is proposed.
- » **Chapter 4** describes the need and desirability of the project.
- » **Chapter 5** outlines the process which was followed during the EIA Phase of the EIA Process.
- » **Chapter 6** describes the existing biophysical and socio-economic environment affected by the proposed project.
- » **Chapter 7** provides a description and assessment of the potential issues and impacts associated with the proposed project, including potential cumulative impacts.
- » **Chapter 8** presents the conclusions of the EIA Report.
- » **Chapter 9** provides a list of all references used in the compilation of the EIA Report

³ As of June 2021, Highveld Industrial Park (Pty) Ltd will be the landowner.

1.1 Legal Requirements as per the EIA Regulations for the undertaking of an Environmental Impact Assessment Report, 2014 (as amended)

This EIA Report has been prepared in accordance with the requirements of the EIA Regulations published on 08 December 2014 (and amended on 07 April 2017) promulgated in terms of Chapter 5 of the National Environmental Management Act (Act No 107 of 1998). This chapter of the EIA Report includes the following information required in terms of Appendix 3: Scope of Assessment and Content of Environmental Impact Assessment Report:

Requirement	Relevant Section
(a) details of (i) the EAP who prepared the report and (ii) the expertise of the EAP, including a curriculum vitae	The details of the EAP and the expertise of the EAP have been included in Section 1.5.1 and Appendix A .
(b) the location of the activity, including (i) the 21digit Surveyor General code of each cadastral land parcel; (ii) where available, the physical address and farm name and (iii) where the required information in items (i) and (ii) is not available, the coordinates of the boundary of the property or properties	The location of the project site proposed for the development of the Zero Waste Recovery Solution is included as Figure 1.1 and in Appendix G . The details of the affected property including the property name and number, as well as the SG-codes are included in Table 1.1 .
(c) a plan which locates the proposed activity or activities applied for as well as the associated structures and infrastructure at an appropriate scale, or, if it is (i) a linear activity, a description and coordinates of the corridor in which the proposed activity or activities is to be undertaken; or (ii) on land where the property has not been defined, the coordinates within which the activity is to be undertaken	The locality of the project site is illustrated on a locality map included as Figure 1.1 and in Appendix G . The corner point co-ordinates of the project site are included in Appendix G .

1.2 Project Overview

Anglo African Metals has identified a suitable tailings/slag resource which can be processed using their developed technology at Highveld Steel located between Balmoral and eMalahleni in Mpumalanga. A site for a small-scale industrial plant has been identified within the Highveld Steel property in close proximity to the slag stockpile.

Table 1.1 provides a summary of the affected property associated with the proposed Anglo African Metals Zero Waste Recovery Solution. A comprehensive description of the key infrastructure components associated with the development of the Anglo African Metals Zero Waste Recovery Solution, as well as an overview of the processing technology is provided in **Chapter 2** of this EIA Report.

Table 1.1: Summary of the preferred project site identified for the development of the Anglo African Metals Zero Waste Recovery Solution

Province	Mpumalanga
District Municipality	Nkangala District Municipality
Local Municipality	eMalahleni Local Municipality
Ward number(s)	22
Nearest town(s)	Approximately 17km west of eMalahleni town, near Kwa-Guqa informal settlement
Farm name(s) and number(s)	Remaining Extent of the Farm Highveld Industrial Part No. 1230 JS

CHAPTER 2 PROJECT DESCRIPTION

This chapter provides an overview of the project and technology proposed by Anglo African Metals, as well as a description of alternatives considered for the project. It should be noted that the project description presented in this Chapter is subject to change to some extent based on the final design prior to implementation and other technical studies, the findings and recommendations of the EIA and supporting specialist studies; as well as licencing, permitting and legislative requirements.

2.1 Legal Requirements as per the EIA Regulations for the undertaking of an EIA Report, 2014 (as amended)

This chapter of the EIA Report includes the following information required in terms of Appendix 3: Scope of Assessment and Content of Environmental Impact Assessment Report:

Requirement	Relevant Section
3(d) a description of the scope of the proposed activity, including (ii) a description of the associated structures and infrastructure related to the development.	A description of the activities to be undertaken with the development of the proposed project is included in Section 2.2 .
3(g) a motivation for the preferred site.	The alternatives considered for the Anglo African Metals Zero Waste Recovery Solution included in Section 2.4 .
3(h)(i) details of the alternatives considered.	
3(h)(ix) if no alternatives, including alternative locations for the activity were investigated, the motivation for not considering such.	

2.2 Description of the Proposed Project

Anglo African Metals has identified a suitable tailings/slag resource which can be processed using their developed technology at Highveld Steel located between Balmoral and eMalahleni in Mpumalanga Province. The waste recovery plant is proposed to be located on the Remaining Extent of the Farm Highveld Industrial Park No. 1230 JS, approximately 17km west of eMalahleni town in the eMalahleni Local Municipality (LM) within the Nkangala District Municipality (DM) in the Mpumalanga Province. The development area is approximately 4 ha in extent and is contained within the EVRAZ Highveld Steel and Vanadium property⁴. The site is accessible directly off the R104, from the N4 turnoff near Kwa-Guqa informal settlement.

The main infrastructure associated with the facility includes the following (refer to **Figure 2.1** for an indicative layout⁵):

- » Chemical plant area, where all process chemicals including acid are produced, stored and handled as required by the waste recovery process.
- » Substation and plant utility unit as interface and controlling unit for the electricity utilised by the plant during operation.
- » Slag stockpile.




⁴ As of June 2021, Highveld Industrial Park (Pty) Ltd will be the landowner

⁵ Note that this layout is indicative at this stage and is subject to change following final design

Operating Hours (milling)	(h/d)	9
Operating Hours (hydrometallurgy)	(h/d)	24

Table 2.1 provides details of the proposed project, including the main infrastructure and services.

Table 2.1: Details of the proposed Anglo African Metals Zero Waste Recovery Solution, near Kwa-Guqa

Location of the site	Remaining Extent of the Farm Highveld Industrial Part No. 1230 JS 
Landowner	EVRAZ Highveld Steel and Vanadium ⁶
Municipal Jurisdiction	Nkangala District Municipality and eMalahleni Local Municipality
Plant processing capacity	2 000 tons of tailings/slag per month
Proposed technology	Pyrometallurgical and hydrometallurgical patented extraction process for high-purity Titanium Dioxide production as well as Vanadium, Aluminium and Magnesium
Extent of preferred project site	Approximately 350 ha
Extent of the project development footprint	Approximately 4 ha
Stack dimensions (Site elevation: 155 m above mean sea)	<ul style="list-style-type: none"> » Stack 1: 20 m above ground » Stack 2: 13 m above ground
Fuel Sources	LPG will be used to fuel the kiln
Site access	Main access to the project site will be via the existing access from the R104 to Highveld Steel
Associated infrastructure	<ul style="list-style-type: none"> » Internal roads » Internal water, air and gas pipelines » Control and electrical buildings, including a central control room » Administrative buildings » Firefighting systems » Bulk water storage » Storage facilities for fuels, gas and chemicals » Emergency back-up generators » Effluent reticulation systems - i.e. 1) sanitary wastewater system 2) storm water and rainwater collection system
Services required	<ul style="list-style-type: none"> » Services agreements for refuse disposal, water, and electricity have been entered into with Highveld Steel in terms of the lease agreement » Sanitation waste generated in septic tanks system will be emptied as required by a licensed service provider for disposal
Dangerous Goods Storage	<ul style="list-style-type: none"> » Coal is stored in bin of 3 m³ » Sodium carbonate stored in bin of 4 m³ » Ammonium sulphate stored in bin of 4 m³ » Sulphuric acid in 2 tanks of 30 m³ (60 m³) » Lime is slurried in a 6 m³ tank » Sodium hydroxide into solution stored in tank of 20 m³ » A fuel storage tank (or multiple tanks, as required) of up to 70 m³ for the bulk storage of gas (LPG or similar type) utilised in the waste recovery process <p>All storage areas will be bunded</p>

⁶ As of June 2021, Highveld Industrial Park (Pty) Ltd will be the  owner

Nicolene Venter

From: Thia Oberholzer
Sent: Thursday, May 20, 2021 8:34 AM
To: Gideon Raath
Cc: Anglo African Metals Anette Pocock; Mmakoena Mmola; Nicolene Venter
Subject: RE: SE2015| FW: Comments on Fodere EIA

Hi Gideon / Nicolene / Mmakoena

Another thing I was thinking of this morning is the possible need for a stormwater management plan on the area. I did not pick much up about the stormwater management on the planned area in the EIA. Highveld does have authorised S21g water uses which currently take on our stormwater from the site. I believe the integration into the system, considering the paving and hardstanding requirements of the development, should be considered in as surface water management plan for the area. Would like to get your thoughts on this as well.

Thanks

Thia Oberholzer
Manager: SHEQ



From: Thia Oberholzer
Sent: 19 May 2021 21:38
To: Gideon Raath <gideon@savannahsa.com>
Cc: Anglo African Metals Anette Pocock <anette@savannahsa.com>; Mmakoena Mmola <Mmakoena@savannahsa.com>; Nicolene Venter <nicolene@savannahsa.com>
Subject: RE: SE2015| FW: Comments on Fodere EIA

Hi Gideon

Attached please find my comments to the EIAR.

Thanks for allowing me to submit outside the allocated timeframe.

Kind regards

Thia Oberholzer
Manager: SHEQ



From: Gideon Raath <gideon@savannahsa.com>
Sent: 19 May 2021 10:34
To: Thia Oberholzer
Cc: Anglo African Metals Anette Pocock <anette@savannahsa.com>; Mmakoena Mmola <Mmakoena@savannahsa.com>

<Mmakoena@savannahsa.com>; Nicolene Venter <nicolene@savannahsa.com>

Subject: RE: SE2015 | FW: Comments on Fodere EIA

Hi Thia,

Ok thanks. Please can I then ask you submit those today still as we are aiming for submission Friday?

Thanks,

Gideon Raath

Environmental and Permitting Consultant | Savannah Environmental (Pty) Ltd
Tel: +27 (0)11 656 3237 | Cell: +27 (0)72 194 3644 | Fax: +27 (0)86 684 0547

[SAWEA Award for Leading Environmental Consultant for Wind Projects in 2013 & 2015](#)

From: Thia Oberholzer

Sent: Wednesday, 19 May 2021 09:05

To: Gideon Raath <gideon@savannahsa.com>

Cc: Anglo African Metals Anette Pocock <Mmakoena@savannahsa.com>

Mmakoena Mmola

Subject: RE: SE2015 | FW: Comments on Fodere EIA

As part of the EIA PPP.

Thia Oberholzer

Manager: SHEQ



From: Gideon Raath <gideon@savannahsa.com>

Sent: 19 May 2021 08:56

To: Thia Oberholzer

Cc: Anglo African Metals Anette Pocock <Mmakoena@savannahsa.com>

Mmakoena Mmola

Subject: SE2015 | FW: Comments on Fodere EIA

Hi Thia,

Do you intend on submitting the comments as part of the EIA public participation process, or are they meant to just be comments from your side as the report reviewer being the lessee? I ask as it makes a difference where we record them and how we respond to them.

Thanks,

Gideon Raath

Environmental and Permitting Consultant | Savannah Environmental (Pty) Ltd
Tel: +27 (0)11 656 3237 | Cell: +27 (0)72 194 3644 | Fax: +27 (0)86 684 0547

[SAWEA Award for Leading Environmental Consultant for Wind Projects in 2013 & 2015](#)

From: Thia Oberholzer

Sent: Wednesday, 19 May 2021 08:37

To: Gideon Raath <gideon@savannahsa.com>

Subject: Comments on Fodere EIA

Hi Gideon

I have not yet submitted my comments on the Fodere EIA. I am aware that the due date was yesterday. I would like to request some additional time on this. Will it be in order if I submit my comments by the end of today? Please advise if acceptable.

Thia Oberholzer

Manager: SHEQ



CONFIDENTIALITY CAUTION: This email (including any attachments) is intended only for the use of the individual or entity to whom it is addressed and may contain confidential information and be protected by legal privilege. Please notify us immediately by return email if you have received this email in error and delete this email and any attachments. If you are not the intended recipient, dissemination, disclosure and use of any information herein is prohibited.

CONFIDENTIALITY CAUTION: This email (including any attachments) is intended only for the use of the individual or entity to whom it is addressed and may contain confidential information and be protected by legal privilege. Please notify us immediately by return email if you have received this email in error and delete this email and any attachments. If you are not the intended recipient, dissemination, disclosure and use of any information herein is prohibited.

CONFIDENTIALITY CAUTION: This email (including any attachments) is intended only for the use of the individual or entity to whom it is addressed and may contain confidential information and be protected by legal privilege. Please notify us immediately by return email if you have received this email in error and delete this email and any attachments. If you are not the intended recipient, dissemination, disclosure and use of any information herein is prohibited.

SCOPING PHASE

COGTA



co-operative governance
& traditional affairs

MPUMALANGA PROVINCE
REPUBLIC OF SOUTH AFRICA

Samora Machel Building, Ext 2, No. 7 Government Boulevard, Riverside Park, Mbombela, 1200, Mpumalanga Province
Private Bag X11304, Mbombela, 1200. Tel: 013 766 0000, Int Tel: +27 (13) 766 6087, Tel: 013 766 6087
Tel: 013 766 8252, Int: Fax: +27 (13) 766 8252

Litiko
Lekubusa
ngekubambisana
netebuholi bendzabuko

Departement van
Koöperatiewe Regering
en Tradisionele Sake

umNyango
wezekuBusa
ngokuHlanganyela
neeNdaba zamaKhosi

Ref No. : 12/1/4/1/6/2/2/7
Enq : NT Mathebula
Tel

The Municipal Manager
Emalahleni Local Municipality
Private Bag X 3
Emalahleni
1035

Mr. Thabani Buthelezi

**SUBJECT: NOTICE OF ENVIRONMENTAL IMPACT ON PORTION 48
ELANDSFONTEIN 309 JS: DEVELOPMENT OF A PROPOSED WASTE
RECOVERY PLANT AT HIGHVELD STEEL NEAR WITBANK,
EMALAHLENI LOCAL MUNICIPALITY, NKANGALA**

1. The application dated 13 November 2020 has reference.
2. This letter serves to confirm that the Department supports the application for development of a waste recovery plant at the Highveld Steel for extracting both vanadium and titanium oxide from slag materials on Portions 48 Elandsfontein 309 JS, subject to:
3. Consent from the Municipality in terms of Spluma By-law be obtained.
4. All other building regulations and streets sizes will be in accordance with the current Land Use Scheme of the Local Municipality.
5. The stipulations of the National Environmental Management Act, 1998 (Act 107 of 1998) must be complied with.



NOTICE OF ENVIRONMENTAL IMPACT ON PORTION 48 ELANDSFONTEIN 309 JS: DEVELOPMENT OF A PROPOSED WASTE RECOVERY PLANT AT HIGHVELD STEEL NEAR WITBANK, EMALAHLENI LOCAL MUNICIPALITY, NKANGALA

6. The stipulations of the Environment Hygiene Act, 1992 (Act 121 of 1992) must be complied with.
7. Negative impact at constructing of the waste recovery plant for vanadium and titanium oxides from slag materials on existing high potential agricultural soils must be mitigated.
8. The municipality has a newly approved Land Use Scheme, the rights if granted must after consultation with the applicant be aligned with the appropriate zoning in the new LUS.
9. The proposed farm portion should continue to also be used for "Industrial Plant" and may not be used for any other land use activity unless the local municipality has granted a land use change.
10. The Municipality to make sure that these adequate services (water, electricity, sanitation, access) are available to the proposed development and uses.
11. No building/structure may be built within the 1:100 year floodline.

Yours faithfully,



MR S. NGUBANE
ACTING HEAD: CO-OPERATIVE GOVERNANCE & TRADITIONAL AFFAIRS
DATE 10/12/2020

DEPARTMENT OF PUBLIC WORKS, ROADS &
TRANSPORT



public works,
roads & transport

MPUMALANGA PROVINCE
REPUBLIC OF SOUTH AFRICA

16 Hope Street, Mbombela, 1200, Mpumalanga Province
Private Bag X11310, Mbombela, 1200, Mpumalanga Province
Tel I: +27 (13) 766 8525, Fax: +27 (13) 766 8648

TRANSPORT INFRASTRUCTURE

Litiko Letemisebenti Yemphakatsi,
Temigwaco Netekutfutsa

Departement van Openbare Werke,
Paaie en Vervoer

UmNyango wezemiSebenzi yomPhakathi,
zeeNdlela nezokuThutha

Ref: **F09/11/1/1/3-309 JS**
Enq: **M.J. Mojapelo**

Savannah Environmental
P.O. Box 148
Sunninghill
2157

Attention: Ms Nicolene Venter

RE: EIA AUTHORIZATION FOR PROPOSED WASTE RECOVERY PLANT AT EVRAZ HIGHVELD STEEL

This is with reference to your EIA dated 13 November 2020

We are at this stage, unable to give comprehensive comments as we do not know as yet what the final route to the above will be.

We will be able to give our comments after or towards the finalization of your the EIA.

Regards


MC Morolo
Deputy Director General
Public Infrastructure

Date: 20.11.2020

DEFF



environment, forestry & fisheries

Department:
Environment, Forestry and Fisheries
REPUBLIC OF SOUTH AFRICA

Private Bag X 447· PRETORIA 0001· Environment House 473 Steve Biko Road, Arcadia,· PRETORIA

DEA Reference: 14/12/16/3/3/401
Enquiries: Mr Lunga Dlova

Ms Jo-Anne Thomas
Savannah Environmental (Pty) Ltd
PO Box 148
SUNNINGHILL
2157

Telephone Number : 011 656 3237
Email Address : joanne@savannahsa.com

PER MAIL / E-MAIL

Dear Ms Thomas

COMMENTS ON THE DRAFT SCOPING REPORT FOR THE PROPOSED ZERO WASTE RECOVERY PLANT AND ASSOCIATED INFRASTRUCTURE NEAR KWA-GUQA IN MPUMALANGA PROVINCE

The application for Integrated Environmental Authorisation and draft Scoping Report (SR) dated November 2020 and received by the Department on 20 November 2020, refer.

This letter serves to inform you that the following information must be included to the final Scoping Report:

Undertaking under Oath or Affirmation

1. The Department has noted that the undertaking under oath or affirmation from the specialist - Wouter Fourie (from PGS Heritage Pty Limited) is not administered by a Commissioner of Oaths as per Regulation 16(1)(b)(iv) and Appendix 2(2)(1)(i) and (j) of the NEMA EIA Regulations, 2014, as amended.
2. You are required to submit the above with the final Scoping Report and also note that the Department's *undertaking under oath* form can be downloaded from the following link:
<https://www.environment.gov.za/documents/forms>.

Public Participation Process

3. The Public Participation Process must be conducted in terms of Regulation 39, 40 41, 42, 43 & 44 of the EIA Regulations 2014, as amended and as specified in the approved Public Participation Plan.
4. Please ensure that all issues raised and comments received during the circulation of the draft SR from registered Interested and Affected Parties (I&APs) and organs of state which have jurisdiction in respect of the proposed activity are adequately addressed and included in the final SR.
5. Copies of original comments received from I&APs and organs of state, which have jurisdiction in respect of the proposed activity are submitted to the Department with the final SR.
6. Proof of correspondence with the various stakeholders must be included in the final SR. Should you be unable to obtain comments, proof should be submitted to the Department of the attempts that were made to obtain comments. In terms of Regulation 41 (2) (b) of the EIA Regulations, 2014, as amended, please provide proof of written notice for the availability of the SR for comment.
7. All issues raised and comments received during the circulation of the draft SR from I&APs and organs of state which have jurisdiction in respect of the proposed activity are adequately addressed in the final

- SR, including comments from this Department, and must be incorporated into a Comments and Response Report (CRR).
8. Please refrain from summarising comments made by I&APs. All comments from I&APs must be copied *verbatim* and responded to clearly. Please note that a response such as "noted" is not regarded as an adequate response to an I&AP's comments.
 9. The attendance register and minutes of any (virtual) meetings held by the Environmental Assessment Practitioner (EAP) with Interested and Affected Parties (I&APs) and other role players must be included in the final SR.
 10. Please submit a legible copy of the newspaper advert(s).

Coordinates

11. You are required to provide coordinate points for the corners of the proposed Zero Waste Recovery Plant and associated infrastructure, and must be in degrees minutes and seconds.

General

You are further reminded to comply with Regulation 21(1) of the NEMA EIA Regulations 2014, as amended, which states that:

"If S&EIR must be applied to an application, the applicant must, within 44 days of receipt of the application by the competent authority, submit to the competent authority a scoping report which has been subjected to a public participation process of at least 30 days and which reflects the incorporation of comments received, including any comments of the competent authority"

You are further reminded that the final SR to be submitted to this Department must comply with all the requirements in terms of the scope of assessment and content of Scoping reports in accordance with Appendix 2 and Regulation 21(1) of the EIA Regulations 2014, as amended.

Further note that in terms of Regulation 45 of the EIA Regulations 2014, as amended, this application will lapse if the applicant fails to meet any of the timeframes prescribed in terms of these Regulations, unless an extension has been granted in terms of Regulation 3(7).

You are hereby reminded of Section 24F of the National Environmental Management Act, Act No. 107 of 1998, as amended, that no activity may commence prior to an Environmental Authorisation being granted by the Department.

Yours sincerely



Mr Sabelo Malaza
Chief Director: Integrated Environmental Authorisations
Department of Environment, Forestry and Fisheries
Letter signed by: Dr. Danie Smit
Designation: Deputy Director: National Infrastructure Projects
Date: 05/12/2020

Cc	Anette Pocock	Anglo African Metals (PTY) Ltd
	Mr Erald Nkabinde	eMalahleni Local Municipality
	Mr Vellie C Makedama	eMalahleni Local Municipality

DEFF
(Biodiversity Conservation Directorate)



environment, forestry
& fisheries

Department:
Environment, Forestry and Fisheries
REPUBLIC OF SOUTH AFRICA

Private Bag X 447, Pretoria, 0001, Environment House, 473 Steve Biko Road, Pretoria, Tel: +27 12 399 9000, Fax: +27 86 625 1042

Reference: Waste Recovery Plant
Enquiries: Ms Aulicia Maifo/ Ms Portia Makitla

Ms. Nicolene Venter
Savannah Environmental
P.O. Box 148
SUNNINGHILL
2147

Telephone Number: +27 (11) 656 3237
Email Address: publicprocess@savannahsa.com

PER E-MAIL

Dear Ms. Venter

COMMENTS ON THE DRAFT SCOPING REPORT (DSR) FOR THE PROPOSED DEVELOPMENT OF A WASTE RECOVERY PLANT AT HIGHVELD STEEL NEAR WITBANK, MPUMALANGA PROVINCE

The Directorate: Biodiversity Conservation has reviewed and evaluated the aforementioned report.

According to the Draft Scoping Report, the proposed development site is located within an existing industrialised area surrounded by several heavy industries and mining operations. It is a brownfields site that has already undergone extensive transformation, no natural vegetation remains on the site and the site is currently not protected.

It is the Directorates view that the proposed development will not have adverse environmental impacts on biodiversity that will prevent the project from going ahead to the final EIA stage.

The Public Participation Process documents related to Biodiversity EIA for review and queries should be submitted to the Directorate: Biodiversity Conservation at Email: BCAdmin@environment.gov.za for attention of Mr. Seoka Lekota.

Yours faithfully

Mr Seoka Lekota
Control Biodiversity Officer Grade B: Biodiversity Conservation
Department of Environment, Forestry and Fisheries
Date: 11/12/2020

SANRAL

Ria Barkhuizen (NR)

From: Oakley Van Eyk (NR)
Sent: 13 November 2020 12:46 PM
To: NR Statutory Control
Cc: Oakley Van Eyk (NR)
Subject: FW: WASTE RECOVERY PLANT: Notification of Environmental Impact Assessment and the Availability of the Scoping Report for review and comment
Attachments: SE2015-Waste_Recovery_Plant_DSR_Notification-OoS.pdf; SE2015-Waste_Recovery_Plant_BID.pdf; SE2015-Waste_Recovery_Plant_RegCommForm-FINAL.pdf

1326
NOV

Sent from my Galaxy

----- Original message -----

From: Public Process
Date: 2020/11/13 12:39 (GMT+02:00)
To: "Oakley Van Eyk (NR)"
Subject: WASTE RECOVERY PLANT: Notification of Environmental Impact Assessment and the Availability of the Scoping Report for review and comment

DEVELOPMENT OF A WASTE RECOVERY PLANT AT HIGHVELD STEEL NEAR WITBANK, MPUMALANGA PROVINCE

Dear Stakeholder,

Anglo African Metals (Pty) Ltd is proposing the development a disruptive technology for the economic extraction of valuable minerals from mining ore and waste materials which process offers solutions for simultaneously extracting both vanadium and titanium oxides from slag materials. The technology developed will also extract aluminium as aluminium oxide (Al_2O_3), magnesium as magnesium oxide (MgO) and calcium as calcium sulphate/gypsum ($CaSO_4$).

This notification serves to inform you, as an Interested and Affected Party (I&AP), that the Scoping Report is available for a 30-day review and comments from **Friday, 13 November 2020** until **Monday, 14 December 2020**. The Scoping Report can be downloaded from Savannah Environmental's stakeholder engagement platform at <https://www.savannahsa.com/public-documents/other/>

Please find attached the following documents which will provide you with information regarding this project:

- Notification of EIA and Public Participation process and availability of the Scoping Report;
- Background Information Document; and
- Registration and Comment Form.

Reference: N11/1/R-EIA
Date: 9 December 2020
Email:

Contact Person Tumeke Mbulawa
Direct Line:
Website: www.nra.co.za



Savannah Environmental (Pty) Ltd
PO Ox 148
Sunninghill
2157

By email: publicprocess@savannahsa.com

Dear Sir / Madam

**DEVELOPMENT OF A WASTE RECOVERY PLANT AT EVRAZ HIGVELD STEEL AND VANADIUM NEAR
WITBANK, MPUMALANGA PROVINCE**

**NOTICE OF ENVIRONMENTAL IMPACT ASSESSMENT AND AVAILABILITY OF SCOPING REPORT FOR REVIEW
AND COMMENT**

SANRAL has no objection to the development of a waste recovery plant at Evraz Highveld Steel.

Yours sincerely,

A handwritten signature in black ink, appearing to be "J. J. J.", written over a horizontal line.

Statutory Control Officer: Northern Region

Reference: N11/3/3-4/3-11

Date: 7 January 2021

Email:

Contact Person J. Oliver

Direct Line:

Website: www.nra.co.za

SANRAL



**BUILDING SOUTH AFRICA
THROUGH BETTER ROADS**

Savannah Environmental (Pty) Ltd
First Floor, Block 2
5 Woodlands Drive Office Park
Cnr Woodlands Drive & Western Service Road
Woodmead
2191

For attention: Nicolene Venter

Dear Madam

**DEVELOPMENT OF A WASTE RECOVERY PLANT AT EVRAZ HIGHVELD STEEL AND VANADIUM NEAR WITBANK
MPUMALANGA PROVINCE**

**NOTICE OF ENVIRONMENTAL IMPACT ASSESSMENT PROCESS AND AVAILABILITY OF SCOPING REPORT FOR
REVIEW AND COMMENT**

Your letter dated 13 November 2020 has relevance.

SANRAL has no objection to the development of a waste recovery plant at Evraz Highveld Steel and Vanadium as no national roads will be affected by such development.

Yours sincerely,

Statutory Control Officer: Northern Region