



PURPOSE OF THIS DOCUMENT:

BACKGROUND INFORMATION DOCUMENT

Project Introduction:

- **This Background Information Document (BID) provides you, as an Interested and Affected Party (I&AP), an overview of the proposed project.**
- **The BID invites you, as an I&AP, to participate in the required Public Participation Process.**
- **The BID provides you, as an I&AP with an opportunity to contribute and participate in the formulation of the Scoping and Environmental Impact Assessment (EIA) Reports.**
- **The BID also provides you, as an I&AP an opportunity to provide the project team with your comments, concerns and objections to the proposed project.**

Tshedza Mining Resources (Pty) Ltd., a subsidiary of Mbuyelo Coal (Pty) Ltd. has appointed Geo Soil and Water cc (GSW) as the Environmental Assessment Practitioner (EAP) to assist with undertaking the necessary authorisation and amendment processes for Manungu Colliery. In turn GSW has appointed EIMS as well as various specialist sub-consultants to assist with compiling the necessary reports and undertaking the statutory consultation processes, in support of the proposed new infrastructure, facilities and amendments to existing licences as described herein.

It is anticipated that several listed activities contained in the National Environmental Management Act (Act 107 of 1998) (NEMA), National Environmental Management Waste Act (Act 59 of 2008) (NEMWA) and National Water Act (Act 36 of 1998) (NWA) will be triggered by these proposed facilities and/or amendments and these will be confirmed during the Authority pre-application meetings and Scoping Phase of this project.

Aim of the Background Information Document (BID):

The aim of the BID is to:

- Provide an overview of the Environmental Authorisation/Licensing Applications as well as the public participation processes which will be undertaken for the proposed Manungu Colliery wash plant and associated infrastructure as well as the proposed amendments to existing authorisations/licences;
- The Integrated Environmental Impact Assessment (EIA) process shall be undertaken in terms of Chapter 6 of the EIA Regulations, 2014 (GNR 982) promulgated under the NEMA (as amended). A full EIA process will be followed which involves a Scoping phase which is the 'feasibility' and largely desk-top assessment stage of the project, followed by more detailed assessments in the Environmental Impact Assessment (EIA) phase;
- Allow Interested and Affected Parties (I&APs) the opportunity to obtain a broad understanding of the proposed project and to request or share information; and
- Provide details on how I&APs can register their interest with and submit comments on the project. It is important to note that only registered I&APs will receive further communication regarding the project for the duration of the EIA process (i.e. invitation to review and comment on the Scoping and EIA Reports).

LOCATION, SCALE, AND EXTENT OF THE PROPOSED PROJECT:

The existing Manungu Colliery is located approximately 9km south of the town of Delmas in Victor Khanye Local Municipality, within the Nkangala District Municipality, Mpumalanga Province, South Africa. The approved mining right (MR) comprises of all portions of the farms Weilaagte 271 IR and Welgevonden 272 IR. The proposed mining activities will occur on portions 5, 6, 7, 8 and 9 of the farm Weilaagte 271 IR and portions 1, 2, 3, 4, 6, 10, 11, 12, 14, 16, 17, 18, 19 and the remaining extent of the farm Welgevonden 272 IR. The above mentioned activities will all occur within the existing mining right area. Please refer to locality map at the end of this BID.

PROJECT DESCRIPTION:

Tshedza Mining Resources (Pty) Ltd. (hereafter referred to as "Tshedza") wishes to establish a coal processing facility at Manungu Colliery to complement the existing beneficiation facility (crushing and screening plant). The proposed new processing facility will include a coal wash plant with associated residue discard dump and water management infrastructure. The proposed processing facility and discard dump will be located within the mining right boundary. Tshedza will be applying for the relevant approvals to cover their extended life-of-mine (LOM) plan based on currently quantified reserves which will include future opencast and underground mining operations and associated infrastructure (refer to the locality map at the end of this BID). This will ensure that the EIA process considers the cumulative impacts of the mining operations.

The wash plant will consist of the following aspects:

- Dry fines screening circuit;
- Dense Medium Separation (DMS) module;
- Feed desliming;
- Circulating medium circuit;
- Dilute medium circuit;
- Grits dewatering circuit;
- Tailings thickener circuit;
- Tailings filter circuit;
- Product handling circuit;
- Plant services circuit;
- Raw and potable water system; and
- Process water circuit.



Above: Example of wash plant

During the course of these application processes, Tshedza wishes to include licensing of new boreholes for domestic consumption as well as a french drain system to complement the septic tank system for ablution grey water. Furthermore, various options are to be considered to manage expected water volumes within the pollution control dam (PCD). Various amendments to the existing EA/EMP as well as IWUL will also be applied for.

The proposed project includes inter alia the following application processes with associated activities:

- **New Integrated Environmental Authorisation (Scoping and Environmental Impact Report (S&EIR)) for:**
 - o Construction of a wash plant and associated infrastructure to complement the existing coal beneficiation plant; and
 - o Disposal of wash plant waste (requiring Waste Management Licence).
 - o New residue deposits and/or residue stockpiles (requiring Waste Management Licence); and
 - o Various activities including the primary processing of a mineral resource related to the extended LOM.

- **New Integrated Water Use Licence (IWUL) for:**
 - o Discard (wash plant waste) disposal;
 - o Abstraction boreholes;
 - o A new French drain system; and
 - o Evaporation sprays at the existing PCD.
- **Amendments to existing Environmental Authorisation and Environmental Management Plan for inter alia:**
 - o Stockpile height amendments;
 - o Stockpile vegetation requirements; and
 - o Tree screen requirements.
- **Amendments to the existing IWUL for:**
 - o Update of water balance for PCD;
 - o Water storage volume;
 - o Ash layer condition below run of mine (ROM);
 - o Flow meter reading frequency; and
 - o Additional storm water structures within watercourses.
- **Section 102 Amendment**
 - o Revised Mine Works Programme to include wash plant; and
 - o Revised consolidated EMPR to include wash plant.

LISTED ACTIVITIES APPLICATION:

The proposed project must be authorized in terms of a number pieces of South African environmental legislation, namely:

- The Mineral and Petroleum Resources Development Act (MPRDA, Act No. 28 of 2002);
- The National Environmental Management Act (NEMA, Act No. 107 of 1998);
- The National Environmental Management Waste Act (NEMWA, Act No. 59 of 2008); and
- The National Water Act (NWA, Act No. 36 of 1998).

Where relevant, these pieces of core legislation stipulate the required studies, reports and legal processes to be conducted and the results thereof submitted to the relevant authorities for approval prior to commencement. It is anticipated that the following approvals will be required:

- Environmental Authorisation (EA) in terms of the 2014 NEMA EIA regulations (GNR 982, GNR 983, GNR 984 and/or GNR 985);
- Amendment to existing EA/EMP (NEMA GNR 982, Chapter 5, Section 31 (Part 2 Amendment));
- Waste Management Licence (WML) in terms of the NEMWA (GNR 921, Category B11);
- Water Use Licence (WUL) in terms of the NWA (Section 21 water uses); and
- Amendment to existing Water Use Licence in terms of the NWA (Section 50).

The following listed activities, in accordance with the above pieces of legislation, are currently anticipated to be triggered by the proposed new infrastructure, facilities and amendments to existing licences on Manungu Colliery. The applicability of each of these listed activities (or the requirement for any additional listed activities) will be assessed during the initial Authority consultation process as well as during the scoping phase.

- NEMA GNR 983: Activities 9, 12, 13, 14, 19, 24, 25, 27, 28, 31, 34, 45, 46, 48, 50, 51, 56, 57, 67.

- NEMA GNR 984: Activities 6, 7, 15, 16, 17, 24.
- NEMA GNR 985: Activity: 12, 14.
- NEMWA GNR 921: Category B1, B2, B3, B7, B10, B11, C1.
- NWA: Section 21 (a), (b), (c), (g), (i) and (j) water uses.
- NWA: GN 704.

INTEGRATED EIA PROCESS



TYPICAL IMPACTS ASSOCIATED WITH THESE ACTIVITIES:

Potential impacts resulting from the wash plant and associated infrastructure as well as any amendments to the existing licences may include inter alia:

- Impacts on surface water resources;
- Impacts on groundwater resources;
- Impacts on ecology (fauna and flora);

- Potential impacts on wetlands and aquatic ecology;
- Potential environmental pollution;
- Impacts on health and safety; and
- Visual impacts.

The above-mentioned impacts should not be construed as the only impacts that will be identified during the course of the EIA. Based on public consultation, specialist input and further detailed assessments, additional impacts will likely be identified and assessed.

All potential impacts will be identified and assessed following an impact assessment methodology guided by the requirements of the NEMA EIA Regulations (2014). The broad approach to the significance rating methodology is to determine the environmental risk (ER) by considering the consequence (C) of each impact (comprising Nature, Extent, Duration, Magnitude, and Reversibility) and relate this to the probability/likelihood (P) of the impact occurring. This determines the environmental risk. In addition, other factors including cumulative impacts, public concern, and potential for irreplaceable loss of resources, are used to determine a prioritisation factor (PF) which is applied to the ER to determine the overall significance (S).

Furthermore, based on the identified impacts and their ratings, mitigation and management measures are recommended for the applicant and these are included in an Environmental Management Programme (EMPr) towards ensuring that any negative impacts that cannot be avoided are minimised and managed in a manner that is not detrimental to the environment, and positive impacts maximised.

Specialist studies will be utilised to guide the assessment of the potential impacts, namely: Hydrogeology, Geochemistry, Hydrology, Waste Classification and Ecology. Any additional specialist studies required by the Competent Authority will be undertaken if necessary and relevant existing specialist studies will be utilised to inform the study.

HOW TO GET INVOLVED :

Should you feel that you may be interested in or affected by this project, it is essential that you register as an Interested and Affected Party (I&AP) in which case you will be kept informed regarding the project and afforded an opportunity to participate in the process. Please note that only registered I&APs will be included in future correspondence regarding the project and associated updates.

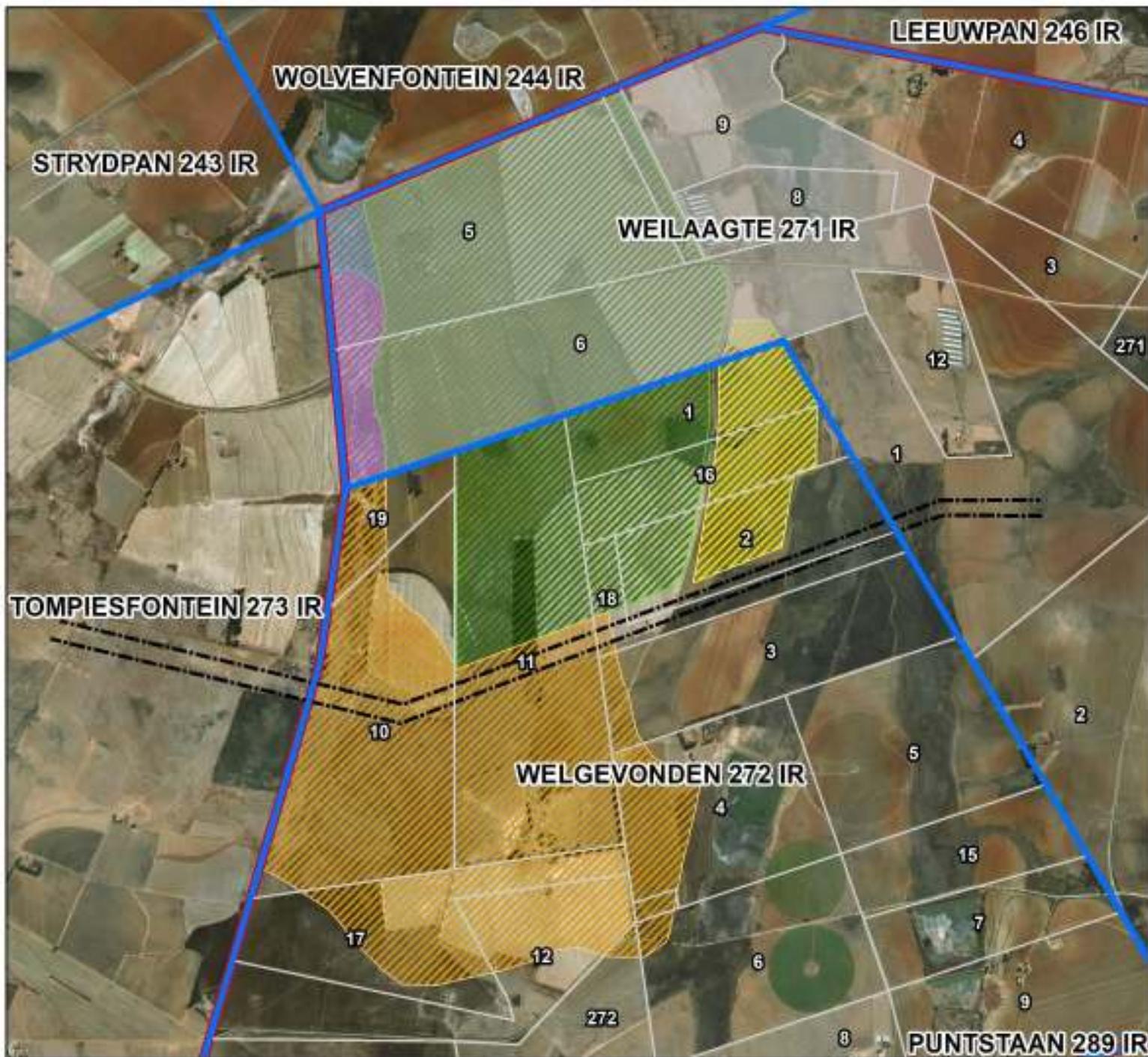
You may register and/or comment as an I&AP in any of the following ways:

1. Complete the attached I&AP registration form and questionnaire and return it to EIMS via email, fax or post;
2. Via telephone call addressed to the contact person stipulated at the end of this document; and/or
3. Submit written comments in a format of your choosing to EIMS via email, fax or post.

It is important to note that the EIA process is guided by legally stipulated timeframes and as such, in order to ensure your continued and valuable involvement in the project, we request that your registration requests and any preliminary comments are submitted to EIMS (contact details provided below) by **no later than 20 August 2018.**

Please note that further to the above, all registered I&APs will also be notified in due course of the availability of the Scoping Report and Environmental Impact Report upon which comments will be solicited.

Environmental Impact Management Services (Pty) Ltd
Contact Person: Miss Cheyenne Muthukarapan
EIMS Reference Number: 1177
Postal Address: P.O. Box 2083, Pinetown, 2123
Telephone: (011) 789 7170 / Fax: (011) 787 3059
E-mail: Manungu@eims.co.za



Manungu Layout Map

1177 Manungu Mine

Legend

-  Parent Farms
-  Farm Portions
-  Powerlines
-  Mining Right (MP 30/5/1/2/2/297/MR)
-  Existing Mine Footprint
-  Open Cast East
-  Open Cast Pit
-  Underground North West
-  Underground South West
-  Underground West



Scale: 1:704 092



Data Sources:
 CSG, ESRI, Manungu July 2018
 Coord System: LO29
 Projection: Transverse Mercator
 Ref: 1177_Manungu_Layout Map

Date: 2018/07/09
 EIMS Ref: 1177
 Compiled: PH
 Reviewed: BW
 Approved: LW



INTERESTED AND AFFECTED PARTIES REGISTRATION FORM

EIMS Ref #:	CM/BW/1177
Project Title:	Manungu Colliery

PLEASE COMPLETE AND RETURN TO:

Environmental Impact Management Services (Pty) Ltd
 Attention: Cheyenne Muthukarapan
 Fax: (011) 787-3059
 Phone: (011) 789-7170
 E-Mail: Manungu@eims.co.za
 Postal Address: P. O. Box 2083, Pinegowrie, 2123, South Africa



This form serves to register Interested and Affected Parties (I&APs) for the above-mentioned project and to solicit input and participation. This form will be submitted to the competent authority for consideration in the decision-making process.

Title:		Full name and surname:	
Contact details	Tel (w):		Tel (h):
	Fax:		Cell:
	E-mail:		
	Postal Address:		
Organisation and/or property description (if landowner/ lawful occupier)			
Please state your interest in the proposed project (you are welcome to add additional pages if required):			
Please assist by completing the questions below. These responses will be utilised to inform the Environmental Impact Assessment Process. Please submit additional pages if more space is required.			
Are you a land owner or legal land occupier within the application area?			
Are you aware of any communities and/or occupiers which exist within the application area (or on your property)? If so, kindly provide further detail as well as contact details for the communities/occupiers.			
Are you aware of any tribal authorities within, or affected by, the application area, provide detail and possible contact details?			
Are you aware of any other I&APs who need to be notified, please provide detail and possible contact details?			

Please can you provide us with a description of the receiving environment? (including land uses such as farming, grazing etc.; vegetation; topographical features; Infrastructure; sensitive flora/fauna).	
Are you aware of any land developments (current or proposed) within the application area that may be relevant to the project?	
Are you aware of any cultural of heritage features within the project area and surrounds, please provide detail?	
Please describe any bio-physical and/or socio-economic impacts that you believe should be considered during the study?	
Please describe any measures you believe should be implemented to mitigate, manage, avoid, or remedy the anticipated bio-physical and socio-economic impacts of the proposed activity?	
Do you have any specific concerns, comments or objections to the proposed project, if so could you please provide us with information?	
General Comments:	

EIMS respectfully requests that you please sign this letter and return it to EIMS at the details provided to confirm that you have received notification with regard to the above, and to ensure that your comments, concerns and various inputs are recorded. All comments, queries, and concerns must be received via this I&AP registration form and questionnaire or alternate means. Please note that only registered I&APs will be included in future correspondence regarding this project.

Signed.....Name.....Date.....

BELANGHEBBENDE-EN GEAFFEKTEERDE PARTY REGISTRASIE VORM

EIMS Verwysing #	1177	VOLTOOI ASSEBLIEF HIERDIE VORM EN STUUR AAN: Environmental Impact Management Services (Pty) Ltd (EIMS) Aandag: Cheyenne Muthukarapan Faks: (011) 789 3059 Tel: (011) 789 7170 Epos: Manungu@eims.co.za Posadres: Posbus 2083, Pinegowrie, 2123, Suid Afrika
Projek Titel	Manungu Colliery	



Hierdie vorm dien as registrasie vorm vir alle Belanghebbende- en Geaffekteerde Partye (B & GP'e) wat wil registreer vir die bogenoemde projek, en om insette te lewer en betrokke te raak by die projek. Hierdie vorm sal voortgesit word aan die bevoegde owerheid tydens die besluitnemings proses.

Titel:		Volle naam en van:	
Kontak Besonderhede	Tel (w):		Tel (h):
	Faks:		Sel:
	Epos:		
	Posadres:		
Organisasie en/of eiendom beskrywing (in geval van grondeienaar/wettige grond bewoner)			
Rede vir u belangstelling in die bogenoemde projek (u is welkom om addisionele bladsye hierby aan te heg, indien nodig):			
Voltooi asseblief die onderstaande vraelys. U insette sal in ag geneem word tydens die Omgewings Impak Bepalings Proses. U is welkom om addisionele bladsye hierby te heg indien nodig.			
Is u 'n wettige grondeienaar of inwoner op die eiendom wat binne die aansoek area val?			
Is u bewus van enige gemeenskappe of grond bewoners (insluitend werknemers) wat op u eiendom of in die aansoek area woon? Indien wel, verskaf asseblief kontakbesonderhede.			
Is u bewus van enige stamowerhede wat op of binne die aansoek area woon? Indien ja, verskaf asseblief Kontakbesonderhede?			
Is u bewus van enige ander B&GP'e wat in kennis gestel moet word van die projek? Indien ja, verskaf asseblief kontakbesonderhede?			
Verskaf asseblief 'n beskrywing van die grond gebruik op u eiendom (landbou aktiwiteite, weiding, infrastruktuur ens.) sowel as 'n kort beskrywing van die area			

(plantegroei, topografie, infrastruktuur, sensitiewe fauna/flora)?	
Is u bewus van enige huidige of toekomstige ontwikkeling binne die aansoek area wat moontlik relevant kan wees aan die voorgestelde projek?	
Is u bewus van enige kulturele of erfenis kenmerke (insluitend grafte, historiese geboue ens.) binne die aansoek area en omliggende gebiede? Indien ja, verskaf asseblief die ligging en 'n beskrywing.	
Beskryf asseblief enige bio-fisiese en/of sosio-ekonomiese impakte wat u glo tydens die Impak Studie in ag geneem moet word?	
Verskaf asseblief enige maatreëls wat u glo geïmplementeer moet word om die geantisipeerde bio-fisiese en sosio-ekonomiese impakte van die voorgestelde aktiwiteit te mitigeer?	
Het u enige spesifieke bekommernisse, kommentaar of besware aangaande die voorgestelde projek, indien ja, verskaf asseblief 'n verduideliking?	
Algemene opmerkings/kommentaar:	

EIMS versoek dat u asseblief hierdie vorm voltooi en terugstuur aan EIMS by die bogenoemde adres, as 'n bevestiging dat u die kennisgewing rakende die bogenoemde projek ontvang het, en om te verseker dat u kommentaar/ bekommernisse en insette in ag geneem word. Neem asb. kennis dat slegs geregistreerde B&GP'e ingesluit sal word by toekomstige korrespondensie in verband met hierdie projek.

Hantekening.....Naam en Van.....Datum.....