

THARISA MINERALS (PTY) LTD

ADDITIONAL WASTE ROCK STORAGE AT THE THARISA MINE

RECORD OF PRE-APPLICATION MEETING WITH THE DEPARTMENT OF MINERAL RESOURCES AND ENERGY (DMRE)

DATE	06 August 2021
VENUE:	Virtual meeting - Microsoft Teams
PROJECT:	Additional Waste Rock Storage at The Tharisa Mine
SLR COMPANY:	SLR Consulting (South Africa) Pty Ltd
PROJECT NUMBER:	720.20002.00065
PURPOSE:	<p>The purpose of the meeting was:</p> <ul style="list-style-type: none"> • To provide information pertaining to the project; • To outline the motivation for the proposed project; • To provide an overview of the environmental assessment process relevant to the project; • To provide an overview of the existing status of the biophysical, cultural and socio-economic environment; • To outline and obtain input on the potential biophysical, cultural and socio-economic impacts; and • To outline and obtain input on the planned public participation process.
ATTENDANCE:	An attendance register is presented in Appendix 2.

1. INTRODUCTION AND BACKGROUND

Tharisa Minerals (Pty) Ltd (Tharisa) is an opencast mining operation that produces chrome and platinum group metal (PGMs) concentrates. The mine has been operational since 2008. The opencast mine is located on farms 342 JQ and Elandsdrift 467 JQ, south of the Marikana Town, in the North West Province. Mining is undertaken in two mining sections, namely the East Mine and West Mine, using conventional open pit truck and shovel methods. The two mining sections are separated by the perennial Sterkstroom River and the D1325 (Marikana Road). Waste rock from the open pit areas is stockpiled on Waste Rock Dumps (WRDs). Some in-pit dumping of waste rock has taken place at the East Mine. Key existing mine infrastructure includes haul roads, run-of-mine, a concentrator complex, various product stockpiles, topsoil stockpiles, WRDs, tailings storage facilities (TSFs) and supporting infrastructure such as offices, workshops, change house and access control facilities.

Tharisa holds existing Environmental Authorisations (EAs) and licenses under the Mineral and Petroleum Resources Development Act, 28 of 2002 (MPRDA), the National Environmental Management Act, 107 of 1998 (as amended) (NEMA) and the National Water Act, 36 of 1998 (NWA). Tharisa holds an Environmental Impact Assessment (EIA) and Environmental Management Programme report (EMPr) approved in terms of the MPRDA and the NEMA in 2008.

The approved EMPr for Tharisa Mine was amended in 2014 to cater for changes to the pit, TSF and WRD's; a chrome sand drying plant and other operational and surface infrastructure changes. The mine also holds an Integrated Water Use Licence (IWUL) approved for water uses under Section 21 of the NWA.

As part of its on-going mine planning, Tharisa has identified the need for additional waste rock storage on site. In this regard, Tharisa is making an application to the Department of Mineral Resources and Energy (DMRE) for an integrated EA and update of the mine's current EMPr. The following activities are now proposed:

- Establishing a new WRD – referred to as West WRD 2;
- Extending a previously approved WRD – referred to as Far West WRD 2; and
- Establishing waste rock above backfilled portions of the West and East pits – referred to as Far West WRD 1 and East Pit WRD, respectively.


SLR Consulting (South Africa) (Pty) Ltd (SLR), an independent firm of environmental consultants, has been appointed by Impala to manage the environmental assessment process. As part of this process, a pre-application meeting was held with the DMRE as the competent authority for the proposed project responsible for the relevant approvals in terms of the MPRDA and the NEMA. A copy of the presentation is included in Appendix 1.

2. RECORD OF MEETING DISCUSSION

The following items were discussed as part of the pre-application meeting:

- **Pre-application Meeting:** The meeting presentation will be shared with the DMRE.
- **Public Participation:** The DMRE requested SLR to keep clear records of public participation activities undertaken for the project.
- **Submission of application:** The DMRE requested SLR to notify the case officer once the application is lodged on the SAMRAD portal.

APPENDIX 1: PRESENTATION



THARISA MINERALS (PTY) LTD

ADDITIONAL WASTE ROCK STORAGE AT THE THARISA MINE

COMPETENT AUTHORITY MEETING

6 August 2021

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AGENDA

- Welcome and opening
- Overview of the current operations
- Overview of the proposed project
- Motivation and alternatives overview
- Environmental authorisation process overview
- Overview of the existing status of the environment
- Potential biophysical, cultural and socio-economic impacts and specialist input (where relevant)
- Proposed Public Participation Process
- Discussion
- Close



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MEETING PROTOCOL

- There will be a dedicated question and answer session.
- This meeting will be recorded with your permission.

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WELCOME AND OPENING

Tharisa	SLR
<ul style="list-style-type: none"> • Carlene Tinderholm (SHE Manager) • Patrick Sibuyi (Environmental Co-Ordinator) 	<ul style="list-style-type: none"> • Kate Hamilton (Project Manager) • Reinett Mogotshi (Public Participation Facilitator)

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OVERVIEW OF CURRENT OPERATIONS

- Tharisa is a PGM and chrome producer in the Rustenburg Local Municipality and Bojanala District of the North West Province.
- The mine holds existing Environmental Authorisations and licences.
- Mining commenced in 2008 and takes place within 2 mining sections (East Mine and West Mine), separated by the perennial Sterkstroem River and the D1325 (Marikana Road).
- Facilities include open pits, WRDs, haul roads, concentrator plant, product handling and loading, TSF, support facilities and services.

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OVERVIEW OF THE PROPOSED PROJECT

As part of its on-going mine planning Tharisa has identified the need for additional waste rock storage on site. In this regard, Tharisa is proposing to:

- Establish a new Waste Rock Dump (WRD) – referred to as West WRD 2 (~74 ha).
- Extend a previously approved WRD – referred to as Far West WRD 2 (~74 ha).
- Establish waste rock above backfilled portions of the West and East pits – referred to as Far West WRD 2 and EAO WRD (~89 ha), respectively.

Total application area = approx. 238 ha (approx. 150 ha will be located on undisturbed areas, while the remaining 88 ha is located within existing disturbed areas).

The design and construction of the proposed WRDs will be similar to the existing WRDs at Tharisa:

- Approx. height of 70m with benches at 15m intervals.
- Final slopes to allow for topsoiling and revegetation.

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MOTIVATION AND ALTERNATIVES

Motivation for the proposed project:

- Additional waste rock storage is required to accommodate ongoing mining operations.
- Already disturbed areas will be used as far as possible to limit additional clearance and disturbance.
- Sections of backfilled pits will be used to develop above ground waste rock facilities.

Project alternatives:

- No location alternatives have been considered – the proposed WRDs fall within Tharisa’s mining right area which is constrained for open space.

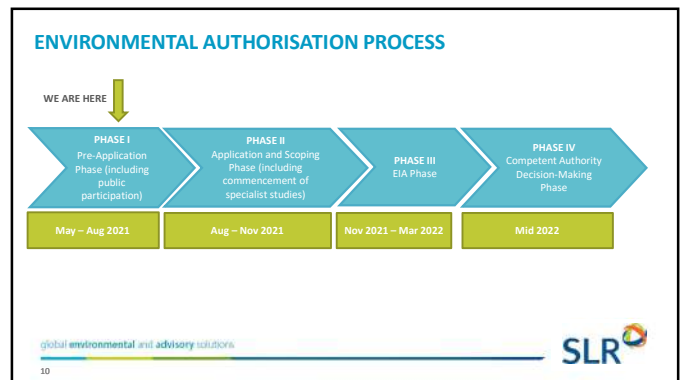
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ENVIRONMENTAL AUTHORISATION REQUIREMENTS

Legislation	Listed Activities	Key Process Elements
Mineral and Petroleum Resources Development Act (No. 28 of 2002) (MPRDA)	Not applicable, but the mine’s EMPr must be updated to reflect these changes.	<ul style="list-style-type: none"> • Section 102 application (MPRDA)
National Environmental Management: Waste Act, No. 59 of 2008 (NEM-WA)	GNR 921 of 2013, as amended: Category B, Activity 7 – Disposal of hazardous waste to land Activity 10 – Construction for a facility for waste management in Category B Activity 11 – Establishment of residue stockpiles or deposits, which require a MR	<ul style="list-style-type: none"> • Integrated Environmental Authorisation (NEMA) and Waste Management Licence application (NEM-WA)
National Environmental Management Act, No. 107 of 1998 (NEMA) and EIA Regulations GNR 983 of 2014, as amended	GNR 983 of 2014, as amended: Listing Notice 1 Activity 30 – Activity in terms of the NEM: BA Activity 34 – Expansion that needs an amended licence in terms of national or provincial legislation Activity 48 – Expansion within 32 m of a watercourse	<ul style="list-style-type: none"> • Scoping and Environmental Impact Assessment (EIA) (NEMA) and Environmental Management Programme report (EMPr) (MPRDA)
	GNR 984 of 2014, as amended: Listing Notice 2 Activity 6 – Activity that needs an amended licenced in terms of national or provincial legislation Activity 15 – Clearance of more than 20 ha of indigenous vegetation	
	GNR 985 of 2014, as amended: Listing Notice 3 Activity 12 – Clearance of more than 300 m ² of indigenous vegetation in sensitive areas identified in an EMF	<ul style="list-style-type: none"> • Stakeholder engagement process and specialist input

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- ### ENVIRONMENTAL AUTHORISATION PROCESS OVERVIEW
- **Competent Authority:**
 - North West DMRE.
 - **Commenting Authorities:**
 - Department of Economic Development, Environment, Conservation and Tourism.
 - Department of Rural Environment and Agricultural Development.
 - Department of Rural Development and Land Reform including the Land Claims Commissioner.
 - Department of Forestry, Fisheries and Environment.
 - Department of Water and Sanitation.
 - North West Parks and Tourism Board.
 - Bojanala District Municipality.
 - Rustenburg Local Municipality.
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EXISTING STATUS OF THE ENVIRONMENT

- Geology**
 - Bushveld Igneous Complex of the Rustenburg Layered Suite
 - Platinum and chrome ore body
- Climate**
 - Highveld Climate Zone – mild temperatures, rain in spring and summer, high intensity thunderstorms, strong winds
- Topography**
 - Magaliesberg Mountain Range (to the south)
 - Relatively flat (on site)
 - Drained by Sterkstroom (perennial)
- Soils and Land Capability**
 - High clay content, not prone to erosion
 - Low dryland production potential
 - Moderate irrigation potential

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EXISTING STATUS OF THE ENVIRONMENT

- Biodiversity**
 - Savanna Biome, Central Bushveld
 - Marikana Thornveld, Gold Reef Mountain Bushveld
 - Within Magaliesberg Biosphere
 - Protected species (Morula Tree), limited natural wildlife
- Surface Water**
 - Crocodile West and Marico Water Management Area (A21K)
 - Sterkstroom River (perennial)
 - Smaller non-perennial tributaries
 - "No importance" NFEPA wetlands
- Groundwater**
 - Shallow upper weathered aquifer, deeper fractured aquifer
 - Minor aquifer region
 - Used for domestic and agricultural purposes
- Air Quality**
 - Influenced by mining, industrial and agricultural activities

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EXISTING STATUS OF THE ENVIRONMENT

- Noise**
 - Receptors: residential and agricultural uses, President van Rensburg/Piet Retief school, nature
 - Influenced by mining activities, localised traffic and general community activities
- Heritage/cultural**
 - Central Bankeveld
 - Magaliesberg Mountain Range
 - Stone Age and rock engraving sites (within the Magaliesberg)
 - Gravesites
- Paleontology**
 - None expected due to geology
- Visual**
 - Relatively flat plain with gentle slopes
 - Magaliesberg Mountain Range - main topographical feature
 - Transformed by mining operations and agricultural activities

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EXISTING STATUS OF THE ENVIRONMENT

- Socio-Economic**
 - North-West is 4th largest GDP contributor
 - Mining, agriculture and manufacturing as biggest contributors within the province
 - High unemployment rate within the province
 - Limited tertiary and secondary education
- Land Use**
 - Mining (Western Platinum, Marikana Platinum, Salene Mining, Samancor and Sogima Mining)
 - Agriculture (subsistence and commercial)
 - Residential (Mmaditlhokwa, Lapologang, Buffelspoort and Elandsdrift) and community activities

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HIGH LEVEL IDENTIFICATION OF POTENTIAL IMPACTS (UNMITIGATED)

Topic	Potential impacts identified at this stage
Geology	Sterilisation of resources.
Soils, land capability and agriculture	Physical disturbance and contamination of soil resources, loss of agricultural land.
Biodiversity	Physical loss and general disturbance of habitats and species.
Surface Water	Contamination and alteration of drainage patterns.
Groundwater	Contamination of resources.
Heritage/cultural and palaeontological	Loss or damage to resources.
Air and noise	Increase in emissions and ambient levels.
Visual	Contribution to alteration of visual landscape.
Socio-economic	Continued operation of the mine.

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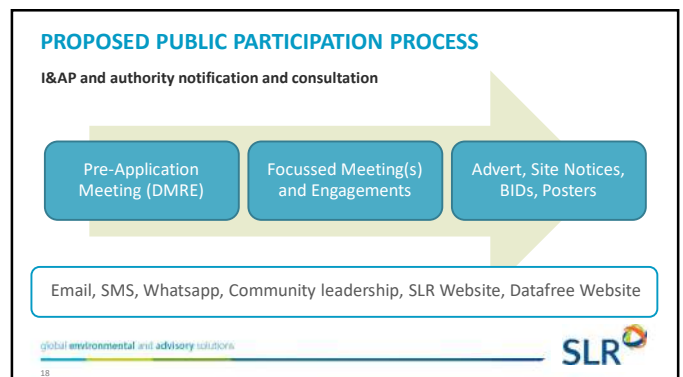
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SPECIALIST STUDIES

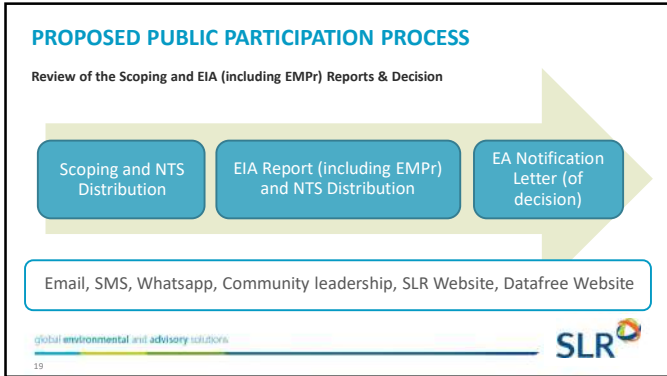
Aspect	Specialist inputs (Where applicable)
Geology	Qualitatively assessed by EAP using available information
Soils, land capability and agriculture	Soils, land capability and agricultural study (informed by field work)
Biodiversity	Terrestrial and aquatic biodiversity study (informed by field work)
Surface water	Qualitatively assessed by EAP using available information
Groundwater	Groundwater study
Heritage/cultural resources	Heritage study (informed by field work) Palaeontology study (desktop)
Air	Air quality study
Noise	Noise study
Visual	Visual study (informed by field work)
Socio-economic	Qualitatively assessed by EAP
Closure	Update of financial provision and closure plan

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CONSULTANT DETAILS

SLR Consulting (South Africa) Pty Ltd Project Manager Kate Hamilton Tel: 011 467 0945 khamilton@slrconsulting.com	SLR Consulting (South Africa) Pty Ltd Assistant Project Manager Reinett Mogotshi Tel: 011 467 0945 rmogotshi@slrconsulting.com
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CLOSE

**THANK YOU FOR YOUR TIME, PARTICIPATION AND INTEREST
IN THE PROPOSED PROJECT**

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APPENDIX 2: ATTENDANCE REGISTER

Name and Surname	Company/Organisation	Contact Numbers	E-mail
Reinett Mogotshi	SLR Consulting (South Africa) (Pty) Ltd	011 467 0945	rmogotshi@slrconsulting.com
Kate Hamilton	SLR Consulting (South Africa) (Pty) Ltd	011 467 0945	khamilton@slrconsulting.com
Patrick Sibuyi	Tharisa Minerals (Pty) Ltd		psibuyi@tharisa.com
Carlene Tinderholm	Tharisa Minerals (Pty) Ltd		CTinderholm@tharisa.com
Desmond Makamu	Department of Mineral Resources and Energy	-	Desmond.Makamu@dmre.gov.za
Thilivhali Meregí	Department of Mineral Resources and Energy	-	Thilivhali.Meregí@dmre.gov.za



OFFICE OF THE REGIONAL LAND CLAIMS COMMISSIONER: NORTH WEST

Cnr James Moroka and Sekame Drive, West Gallery, Mega City, MMABATHO 2735

Tel: (018) 388 7000/7008

Enquiries: Keabetswe Mothupi

E-Mail: Keabetswe.Mothupi@dalrrd.gov.za

Tel: 018 388 7220

By E-Mail: michael.dale@nortonrosefulbright.com

Dear R Mogotshi

LAND CLAIM ENQUIRY – PORTIONS 11, 12, 13, 15, 16, 19, 25, 26, 27, 28, 41, 42, 47, 48, 74, 90, 91, 96, 102, 105, 117, 118, 127, 138, 140, 152, 182, 184, 186, 190, 191, 205, 206, 212, 213, 214, 218, 220, 227, 249, 259, 262, 266, 305, 318, 329, 357, 358 OF THE FARM KAFFERSKRAAL 342 JQ

We refer to your letter dated 03rd of March 2021.

We confirm that there is an existing land claim against the property above; however the claims were dismissed on the basis that it does not meet the requirements of Section 2 of Restitution of Land Rights Act No. 22 of 1994.

Whilst the Commission takes reasonable care to ensure the accuracy of the information it provides, there are various factors that are beyond the Commission's control, particularly relating to claims that have been lodged but not yet gazetted such as:

1. Some Claimants referred to properties they claim dispossession of rights in land against using historical property descriptions which may not match the current property description; and
2. Some Claimants provided the geographic descriptions of the land they claim without mentioning the particular actual property description they claim dispossession of rights in land against.

The Commission therefore does not accept any liability whatsoever if through the process of further investigation of claims it is found that there is in fact a land claim in respect of the above property.

If you are aware of any change in the description of the above property after 19 June 1913 kindly supply us with such description so as to enable us to do further search.

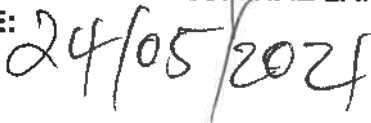
Yours faithfully


MR. L.J. BOGATSU

CHIEF DIRECTOR

OFFICE OF THE REGIONAL LAND CLAIMS COMMISSIONER: NORTH WEST

DATE:



Piet Moima

From: Piet Moima
Sent: Wednesday, 01 December 2021 13:32
To: Piet Moima
Cc: Reinett Mogotshi
Subject: Tharisa Waste Rock Project - Availability of the Background Information Document for Public Review
Attachments: 2021-07-29_Tharisa WRD_BID_Revised 20211022_PM.pdf; Afrikaans-2021-07-29_Tharisa WRD_BID_Revised 20211022_PM.pdf; Setswana-2021-07-29_Tharisa WRD_BID_Revised 20211022_PM.pdf

Bcc: [Redacted]

Bcc:



Dear Interested and Affected Party

Tharisa Minerals (Pty) Ltd (Tharisa) is an opencast mining operation that produces chrome and platinum group metals (PGM) concentrate. The opencast mine is located on the farms 342 JQ and Elandsdrift 467 JQ near the town of Marikana in the Bojanala District Municipality and Rustenburg Local Municipality, North West Province.

Tharisa holds existing environmental authorisations (EAs) and licenses under the Mineral and Petroleum Resources Development Act, 28 of 2002 (MPRDA), the National Environmental Management Act, 107 of 1998 (NEMA), the National Environmental Management: Waste Act 59 of 2008 (NEM: WA) and the National Water Act, 36 of 1998 (NWA).

Mining is undertaken, in two mining sections, namely the East Mine and West Mine, using conventional open pit truck and shovel methods. Waste rock from the open pit areas is either stockpiled on waste rock dumps (WRD's) or backfilled into the open pits as part of concurrent rehabilitation.

As part of its on-going mine planning Tharisa has identified the need for additional waste rock and tailings storage on site. In this regard, Tharisa is proposing to:

- establish a new WRD;
- extend a previously approved WRD;
- establish WRDs above backfilled portions of the East and West pits; and
- a new tailings storage facility (TSF).

The environmental assessment process required, includes an application phase, scoping phase, and an EIA and EMP phase. SLR Consulting (South Africa) (Pty) Ltd (SLR), an independent firm of environmental consultants, has been appointed by Tharisa to manage the environmental authorisation process.

The attached Background Information Document (BID) (in English, Afrikaans and Setswana) has been prepared to provide you with background information on the proposed project and provide you with an opportunity to have input

into the environmental assessment process. A copy of the BID is available electronically on the SLR website (<https://slrconsulting.com/public-documents>).

Should you have any queries please contact SLR.

Thank you



Piet Moima

Stakeholder Database Administrator

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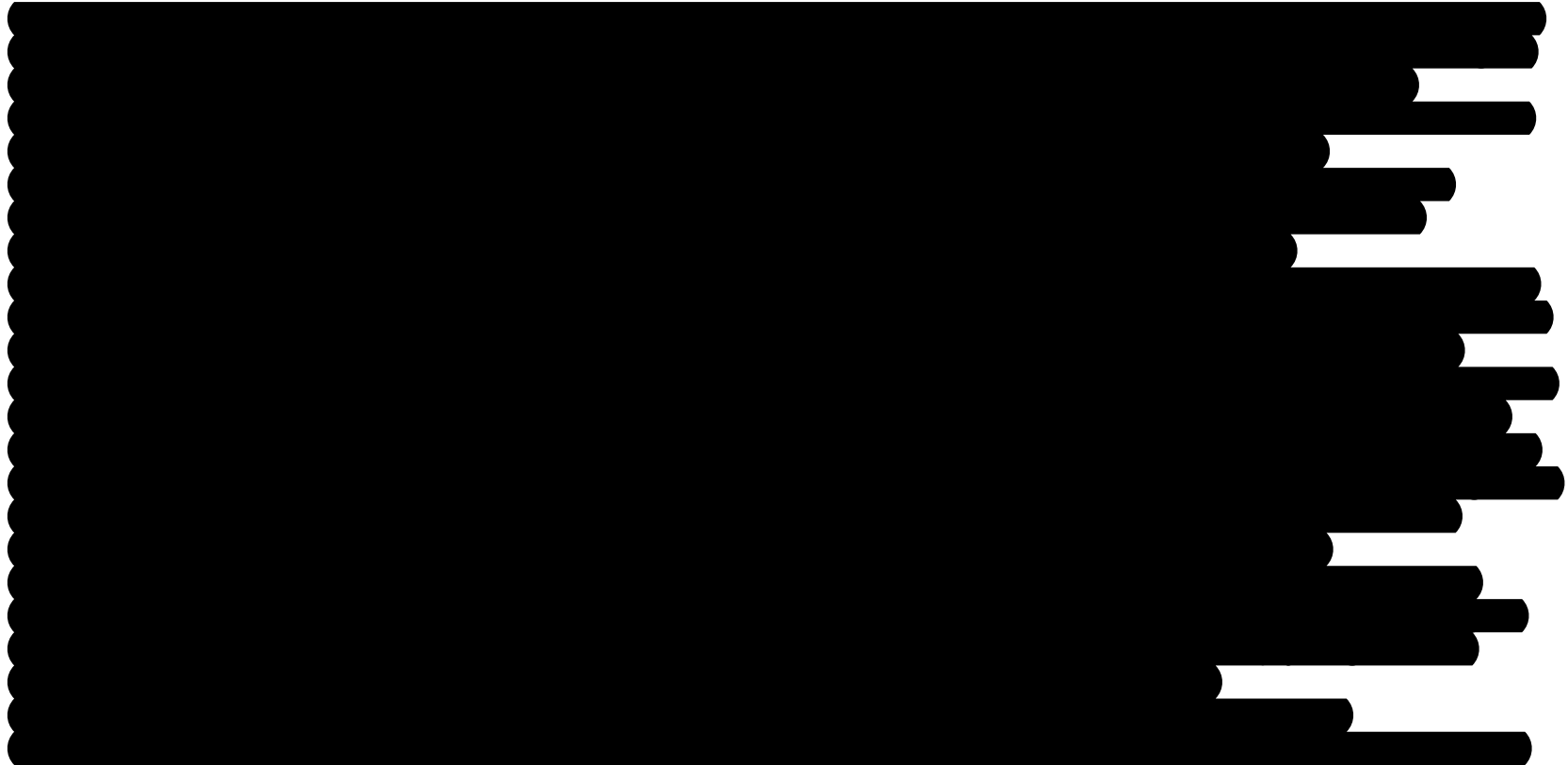
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Piet Moima

From: Piet Moima
Sent: Monday, 11 April 2022 18:00
To: Piet Moima
Cc: Reinett Mogotshi
Subject: Tharisa Waste Rock Project - Availability of the Revised Background Information Document for Public Review
Attachments: 2022-04-11_Tharisa Waste Storage_BID_Afrikaans.pdf; 2022-04-11_Tharisa Waste Storage_BID_English.pdf; 2022-04-11_Tharisa Waste Storage_BID_Setswana.pdf

Bcc: [Redacted]

Bcc:



Dear Interested and Affected Party

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As part of its on-going mine planning Tharisa has identified the need for additional waste rock and tailings storage on site. In this regard, Tharisa is proposing to:

- extend a previously approved WRD;
- establish WRDs above backfilled portions of the East and West pits; and

- increase the capacity of existing tailings storage facilities (TSFs) by means of self-raising or other.

The environmental assessment process required, includes an application phase, scoping phase, and an EIA and EMP phase. SLR Consulting (South Africa) (Pty) Ltd (SLR), an independent firm of environmental consultants, has been appointed by Tharisa to manage the environmental authorisation process.

The initial Background Information Document was distributed in November 2021.

Following further consideration and planning, Tharisa decided to amend the project components to remove West WRD 2 (east of Lapologang) and TSF 3 (north of the N4) from activities applied for. The attached revised Background Information Document (BID) (in English, Afrikaans and Setswana) has been prepared to provide you with background information on the proposed project and provide you with an opportunity to have initial input into the environmental assessment process. This BID has been made available for a 14-day comment period from 12 April to 28 April 2022.

A copy of the BID is available electronically on the SLR website (<https://www.slrconsulting.com/en/public-documents/tharisa>) or on SLR's data-free website (at <https://slrpublicdocs.datafree.co/public-documents/tharisa>).

Should you have any queries please contact SLR at contact details below:

Contact person: Reinett Mogotshi

Contact number: 0114670945

Email: rmogotshi@slrconsulting.com .

Thank you

Piet Moima

Stakeholder Database Administrator

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SLR Consulting
SLR Consulting (Johannesburg office)
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Johannesburg, 2191

Piet Moima

From: Piet Moima
Sent: Monday, 11 April 2022 18:01
To: Piet Moima
Cc: Reinett Mogotshi
Subject: Tharisa Waste Rock Project - Availability of the Revised Background Information Document for Public Review
Attachments: 2022-04-11_Tharisa Waste Storage_BID_Afrikaans.pdf; 2022-04-11_Tharisa Waste Storage_BID_English.pdf; 2022-04-11_Tharisa Waste Storage_BID_Setswana.pdf

Bcc:



Dear Regulatory Authorities

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Should you have any queries please contact SLR at contact details below:

Contact person: Reinett Mogotshi

Contact number: 0114670945

Email: rmogotshi@slrconsulting.com .

Thank you

Phonenu mber	Network	Statu s	ScheduledDat e	SubmittedDat e	StatusDate	SentData	Group Name	Group Description
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:31 PM	Dear Stakeholder The Background Information Document (BID) for the Additional Waste Rock Storage at the Tharisa Mine is available for review. A copy of the BID is available electronically on the SLR website (https://slrconsulting.com/public-documents). For queries contact Reinett Mogotshi from SLR (0114670945, rmogotshi@slrconsulting.com).	Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:26 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodaco m	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:31 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodaco m	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 1:24:46 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodaco m	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:34 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodaco m	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodaco m	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:29 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodaco m	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:47 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	CELL C	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:27 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	CELL C	UNDE LIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 2:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Telkom Mobile	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Telkom Mobile	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM	Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage	

	CELL C	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	CELL C	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:26 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:26 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:26 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:29 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
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	MTN	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:31 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodaco m	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodaco m	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:31 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodaco m	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodaco m	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage

	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:31 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 6:44:46 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
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	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:33 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	UNDELIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 2:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:32 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 5:26:40 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:31 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	CELL C	UNDELIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 2:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
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	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:26 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
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	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage

	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
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	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:35 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Telkom Mobile	UNDELIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 2:58:29 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
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	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:27 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:32 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage

	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:27 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
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	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:31 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:32 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	UNDELIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 2:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
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	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:33 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:27 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
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	MTN	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
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	MTN	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:27 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:27 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
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	Vodacom	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:32 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	CELL C	UNDELIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 2:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage

	Telkom Mobile	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
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	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:27 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:27 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	CELL C	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:40 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
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	CELL C	UNDELIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 2:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
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	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:33 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:33 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:32 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage

Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:53 PM	Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:53 PM	Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
Vodacom	DELIVERED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM	Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:53 PM	Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
Vodacom	UNDELIVERED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 2:58:32 PM	Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:53 PM	Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
Vodacom	DELIVERED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:32 PM	Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
Vodacom	DELIVERED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:27 PM	Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:54 PM	Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:54 PM	Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
Vodacom	UNDELIVERED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 2:58:30 PM	Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
Vodacom	DELIVERED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:45 PM	Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:54 PM	Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
Vodacom	DELIVERED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM	Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:54 PM	Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:53 PM	Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage

	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:33 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:32 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:29 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:32 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:38 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:32 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:29 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:40 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 4:14:33 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:27 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage

	MTN	UNDELIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 2:58:31 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:26 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:26 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	CELL C	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:32 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	CELL C	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:27 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:31 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 3:46:02 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:32 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage

	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:42 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:32 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:31 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:32 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	UNDE LIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 2:58:31 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:32 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:27 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:26 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:52 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 1:04:06 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:26 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:40 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage

	CELL C	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:29 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 1:04:11 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:29 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:31 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:31 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 5:11:09 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage

	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:26 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	UNDE LIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 2:58:31 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 1:44:21 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	CELL C	UNDE LIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 2:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:27 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	CELL C	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	CELL C	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodaco m	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:45 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodaco m	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodaco m	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage

	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:31 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:40 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:32 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	UNDELIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 2:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	CELL C	UNDELIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 2:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:32 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage

	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:29 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 1:03:31 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 6:37:27 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:31 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:33 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 2:08:24 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	CELL C	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage

	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:32 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Telkom Mobile	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:27 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 2:35:01 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	UNDELIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 2:58:32 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
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	MTN	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
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	MTN	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
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	MTN	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
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	CELL C	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:35 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
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	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:26 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:29 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
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	MTN	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:26 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	CELL C	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:31 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage

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	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
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	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:37 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:32 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
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	MTN	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:27 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
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	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	CELL C	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:27 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
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	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage

	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
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	Vodacom	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:27 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
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	Vodacom	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:32 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:42 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:31 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
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	Vodacom	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
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	Vodacom	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 1:16:03 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage

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	Vodacom	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:43 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:32 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
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	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:29 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	UNDELIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 2:58:31 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:53 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:32 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:32 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 1:58:33 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	CELL C	UNDELIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 2:58:29 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
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	MTN	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 2:34:27 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	CELL C	UNDELIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 2:58:29 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Telkom Mobile	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage

	Telkom Mobile	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:37 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:31 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:33 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:32 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:33 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:57 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:33 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:57 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	UNDELIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 2:58:33 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage

	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:32 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:57 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:59:25 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:32 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:27 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	UNDELIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 2:58:33 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	UNDELIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 2:58:33 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:57 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:29 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:32 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage

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	Vodacom	UNDELIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 2:58:33 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:33 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:31 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:57 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:32 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	CELL C	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:29 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage

	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:59:24 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
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	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:29 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	UNDELIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 2:58:31 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	UNDELIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 2:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:27 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:29 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	CELL C	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:29 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	UNDELIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 2:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:29 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:34 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage

	Vodacom	UNDELIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 2:58:33 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:31 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Telkom Mobile	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:27 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:57 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:57 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:32 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:57 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:57 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:59:45 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIVRD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage

	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
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	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:33 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:31 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:29 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:33 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:27 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	UNDELIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 2:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:59:24 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	UNDELIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 2:58:31 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	UNDELIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 2:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:29 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage

	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:32 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	UNDELIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 2:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
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	CELL C	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:27 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:32 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:59:25 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	UNDELIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 2:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	UNDELIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 2:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	UNDELIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 2:58:33 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	UNDELIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 2:58:33 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage

	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	UNDELIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 2:58:33 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	UNDELIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 2:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
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	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:32 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodacom	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:27 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:29 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:26 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:27 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:27 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	EXPIRED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:57 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage

	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:59:25 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:27 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:27 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:27 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodaco m	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodaco m	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:27 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	UNDE LIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 2:58:31 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:59:03 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodaco m	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:27 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:59:24 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:26 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodaco m	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 1:09:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage

	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodaco m	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:40 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:26 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:26 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodaco m	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:54 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:57 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:59:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:57 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:26 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:26 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:26 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodaco m	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodaco m	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:40 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 1:34:19 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage

	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:26 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 2:32:01 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	UNDE LIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 2:58:31 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	UNDE LIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 2:58:31 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:27 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodaco m	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:27 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	UNDE LIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 2:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:26 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:57 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	UNDE LIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 2:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:26 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:31 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:57 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:26 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:31 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage

	CELL C	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:33 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:26 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:26 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:57 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:57 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:30 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:26 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:32 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 3:14:29 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:57 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Telkom Mobile	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 8:38:56 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodaco m	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:28 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 12:58:26 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	CELL C	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:57 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	CELL C	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:57 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage

	CELL C	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:57 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	CELL C	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:32 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	CELL C	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:57 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	CELL C	DELIV RD	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 12:58:27 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	MTN	UNDE LIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:25 PM	12/1/2021 2:58:31 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodaco m	UNDE LIV	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 2:58:33 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage
	Vodaco m	EXPIR ED	12/1/2021 12:58:00 PM	12/1/2021 12:58:26 PM	12/1/2021 8:38:57 PM		Tharisa Minerals	Tharisa Minerals: Additional Waste Rock Storage

Phonenu mber	Network	Statu s	ScheduledDat e	SubmittedDat e	StatusDate	SentData	Group Name	Group Description
	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM	The revised Background Information Document (BID) for the Additional Waste Rock Storage at the Tharisa Mine is available for review. A copy of the BID is available electronically on the SLR website (https://slrconsulting.com/public-documents). For queries contact Reinett Mogotshi from SLR (0114670945, rmogotshi@slrconsulting.com).	Tharisa Minerals April 2022	Background Information Document
	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:44 PM		Tharisa Minerals April 2022	Background Information Document
	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:44 PM		Tharisa Minerals April 2022	Background Information Document
	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:52 PM		Tharisa Minerals April 2022	Background Information Document
	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:15:27 PM		Tharisa Minerals April 2022	Background Information Document
	CELL C	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:42 PM		Tharisa Minerals April 2022	Background Information Document
	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:56 PM		Tharisa Minerals April 2022	Background Information Document
MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:43 PM	Tharisa Minerals April 2022	Background Information Document		

	MTN	EXPIRED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:45 PM		Tharisa Minerals April 2022	Background Information Document
	MTN	DELIVERED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:33:43 PM		Tharisa Minerals April 2022	Background Information Document
	MTN	EXPIRED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:45 PM		Tharisa Minerals April 2022	Background Information Document
	MTN	DELIVERED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
	MTN	DELIVERED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
	MTN	DELIVERED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
	MTN	EXPIRED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:45 PM		Tharisa Minerals April 2022	Background Information Document
	MTN	EXPIRED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:45 PM		Tharisa Minerals April 2022	Background Information Document
	Vodacom	DELIVERED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document
	Vodacom	DELIVERED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
	Vodacom	EXPIRED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:35 PM		Tharisa Minerals April 2022	Background Information Document
	Vodacom	DELIVERED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document

	Vodacom	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
	Vodacom	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
	Vodacom	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:20:04 PM		Tharisa Minerals April 2022	Background Information Document
	Vodacom	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document
	Vodacom	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
	Vodacom	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:52 PM		Tharisa Minerals April 2022	Background Information Document
	Vodacom	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
	Vodacom	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
	Vodacom	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document
	Vodacom	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:45 PM		Tharisa Minerals April 2022	Background Information Document
	Vodacom	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:46 PM		Tharisa Minerals April 2022	Background Information Document
	Vodacom	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document

	Vodacom	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
	Vodacom	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:15:02 PM		Tharisa Minerals April 2022	Background Information Document
	Vodacom	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
	Vodacom	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:39 PM		Tharisa Minerals April 2022	Background Information Document
	Vodacom	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
	Vodacom	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
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	Vodacom	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document
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	CELL C	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:35 PM		Tharisa Minerals April 2022	Background Information Document
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	CELL C	DELIVERED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
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	Telkom Mobile	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
	Telkom Mobile	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
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	CELL C	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:42 PM		Tharisa Minerals April 2022	Background Information Document
	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
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	Vodacom	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
	Vodacom	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document

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	Vodacom	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
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	Vodacom	EXPIRED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:36 PM		Tharisa Minerals April 2022	Background Information Document
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	Vodacom	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:46 PM		Tharisa Minerals April 2022	Background Information Document
	Vodacom	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document

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	Vodacom	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
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	Vodacom	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:36 PM		Tharisa Minerals April 2022	Background Information Document

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	Vodacom	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
	Vodacom	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document

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	Vodacom	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
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	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:46 PM		Tharisa Minerals April 2022	Background Information Document

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	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:46 PM		Tharisa Minerals April 2022	Background Information Document
	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
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	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:46 PM		Tharisa Minerals April 2022	Background Information Document

	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:46 PM		Tharisa Minerals April 2022	Background Information Document
	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
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	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:36 PM		Tharisa Minerals April 2022	Background Information Document
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	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:36 PM		Tharisa Minerals April 2022	Background Information Document
	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:31:52 PM		Tharisa Minerals April 2022	Background Information Document

	Vodacom	UNDELIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:40 PM		Tharisa Minerals April 2022	Background Information Document
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	Vodacom	DELIVRD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document

	Vodacom	UNDELIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:40 PM		Tharisa Minerals April 2022	Background Information Document
	Vodacom	DELIVRD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
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	Vodacom	DELIVRD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
	Vodacom	DELIVRD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
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	Vodacom	UNDELIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:42 PM		Tharisa Minerals April 2022	Background Information Document
	Vodacom	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
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	Vodacom	UNDELIVERED	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 7:14:42 PM		Tharisa Minerals April 2022	Background Information Document
	Vodacom	UNDELIVERED	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 7:14:42 PM		Tharisa Minerals April 2022	Background Information Document
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	Vodacom	DELIVERED	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:43 PM		Tharisa Minerals April 2022	Background Information Document

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THARISA MINERALS (PTY) LTD BACKGROUND INFORMATION DOCUMENT

ADDITIONAL WASTE ROCK STORAGE AT THE THARISA MINE

NOVEMBER 2021

INTRODUCTION

Tharisa Minerals (Pty) Ltd (Tharisa) is an opencast mining operation that produces chrome and platinum group metals (PGM) concentrate. The opencast mine is located on the farms 342 JQ and Elandsdrift 467 JQ near the town of Marikana in the Bojanala District Municipality and Rustenburg Local Municipality, North West Province.

Tharisa holds existing environmental authorisations (EAs) and licenses under the Mineral and Petroleum Resources Development Act, 28 of 2002 (MPRDA), the National Environmental Management Act, 107 of 1998 (NEMA), the National Environmental Management: Waste Act 59 of 2008 (NEM: WA) and the National Water Act, 36 of 1998 (NWA).

Mining is undertaken, in two mining sections, namely the East Mine and West Mine, using conventional open pit truck and shovel methods. Waste rock from the open pit areas is either stockpiled on waste rock dumps (WRD's) or backfilled into the open pits as part of concurrent rehabilitation.

As part of its on-going mine planning Tharisa has identified the need for additional waste rock and tailings storage on site. In this regard, Tharisa is proposing to:

- establish a new WRD;
- extend a previously approved WRD;
- establish WRDs above backfilled portions of the East and West pits; and
- a new tailings storage facility (TSF).

ENVIRONMENTAL AUTHORISATION PROCESS

Prior to the commencement of the proposed project the following is required:

- an amended Environmental Management Programme (EMPr) in terms of Section 102 of the MPRDA from the Department of Mineral Resources and Energy (DMRE).
- an EA in terms of the NEMA for activities in Listing Notice 1 (Government Notice Regulation (GNR) 983 of 2014), Listing Notice 2 (GNR 984 of 2014) and Listing Notice 3 (GNR 985 of 2014), as amended, from the DMRE. The Environmental Impact Assessment (EIA) Regulations being followed are GNR 982 of 4 December 2014, as amended.
- a Waste Management Licence in terms of the NEM:WA for waste activities in Category B (GNR 921 of 2013), as amended.

The environmental assessment process required, includes an application phase, scoping phase, and an EIA and EMPr phase. SLR Consulting (South Africa) (Pty) Ltd (SLR), an independent firm of environmental consultants, has been appointed by Tharisa to manage the environmental authorisation process.

PURPOSE OF THIS DOCUMENT

This document has been prepared to inform you about:

- The proposed project;
- The project alternatives considered;
- The biophysical, cultural and socio-economic baseline environment of the project area;
- The environmental assessment processes being followed;
- Possible biophysical, cultural and socio-economic impacts and related specialist input; and
- How you can have input into the environmental assessment process.

YOUR ROLE

You have been identified as an interested and affected party (I&AP) who may want to be informed about the proposed project and have input into the environmental authorisation process and reports.

You have an opportunity to review this document and to provide your initial comments to SLR for incorporation in the environmental assessment process. You will also be given the opportunity to review and comment on the Scoping Report and EIA & EMPr.

All comments will be recorded and included in the reports submitted for decision-making.

COVID-19 RESTRICTIONS

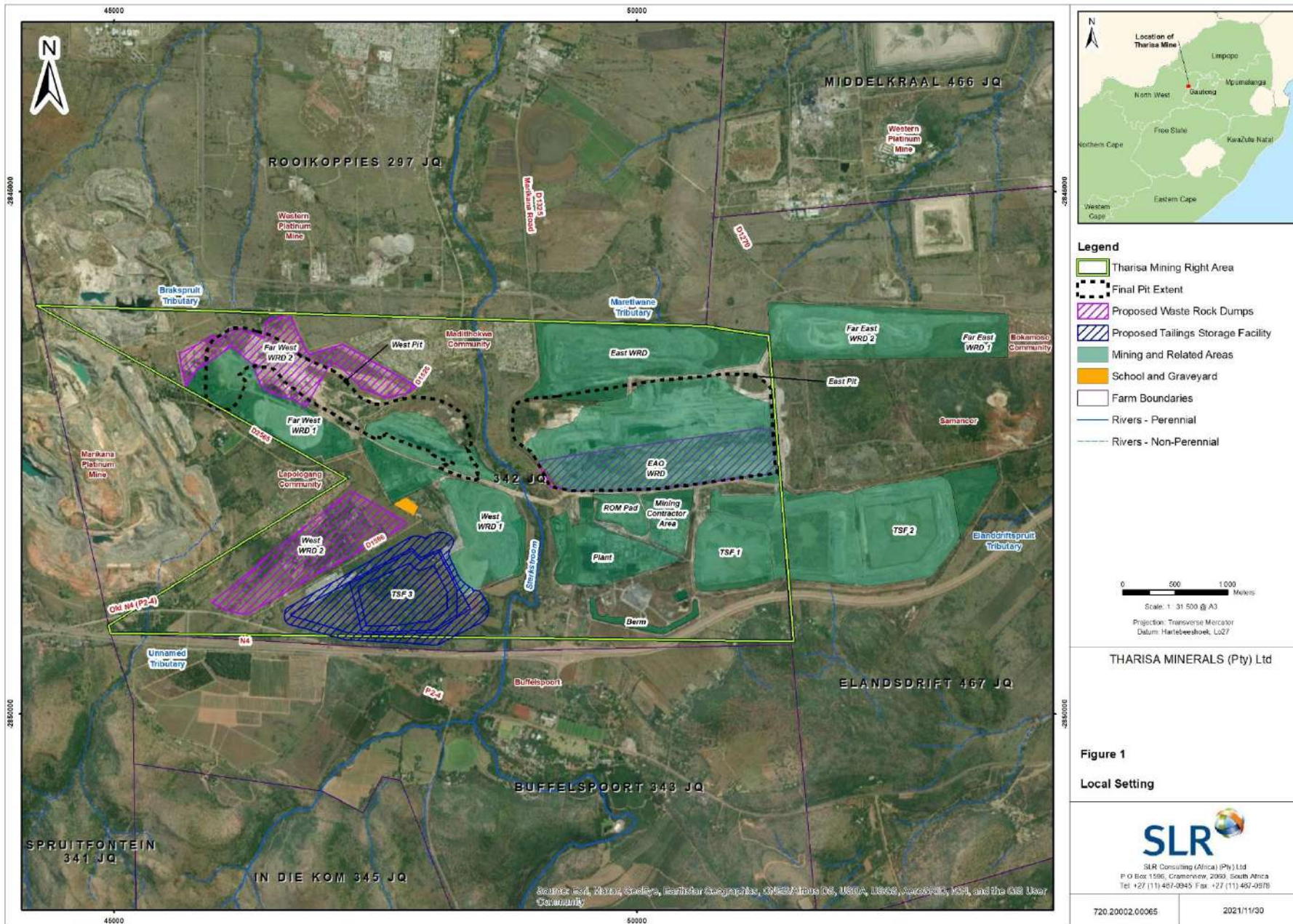
Due to COVID-19 restrictions, online and digital platforms will be utilised (as far as possible) to engage with I&APs.

HOW TO RESPOND:

Responses to this document can be submitted by means of the attached comments sheet and/or through communication with the person listed below.

WHO TO CONTACT:

Reinett Mogotshi
(011) 467 0945 (Tel) or
rmogotshi@slrconsulting.com



OVERVIEW OF EXISTING OPERATIONS

Tharisa currently operates the Tharisa Mine, producing chrome and PGM concentrates and has been operational since 2008. Mining is undertaken in two mining sections, namely the East Mine and West Mine. The two mining sections are separated by the Sterkstroom River and the D1325 (Marikana Road) (Figure 1). Key mine infrastructure includes haul roads, run-of-mine, product and topsoil stockpiles, a concentrator complex, WRDs, tailings storage facilities (TSFs) and supporting infrastructure such as offices, workshops, change house, and access control facilities.

The high-level process for the existing operations is described below and depicted in Figure 2:

1. Mining is done via a conventional open pit truck and shovel method. Topsoil is stockpiled separately and waste rock disposed of on WRDs.
2. PGM and chrome ore is processed at the concentrator plant where the ore is subjected to crushing and screening, milling, spirals and floatation.
3. Processed PGM material is sent to a thickener, whereafter platinum concentrate is dispatched for sale to third parties.
4. Processed chrome material is sent to a thickener whereafter, chrome concentrate is dispatched for sale to third parties.
5. Tailings material is sent to the TSF for disposal.

OVERVIEW OF THE PROPOSED PROJECT

As part of its on-going mine planning Tharisa has identified the need for additional waste rock storage on site. In this regard, Tharisa is proposing to (see Figure 1):

- Establish a new WRD – referred to as West WRD 2;
- extend a previously approved WRD – referred to as Far West WRD 2;
- establish waste rock above backfilled portions of the West and East pits – Far West WRD 2 and EAO WRD.

The proposed WRDs are all located within the existing Tharisa Mining Right (MR) area. The Far West WRD 2 will encroach on the community Maditlhokwa, while the West WRD 2 will result in the displacement of private farming residents and community members residing along the edge of the Lapologang community.

PROJECT ALTERNATIVES

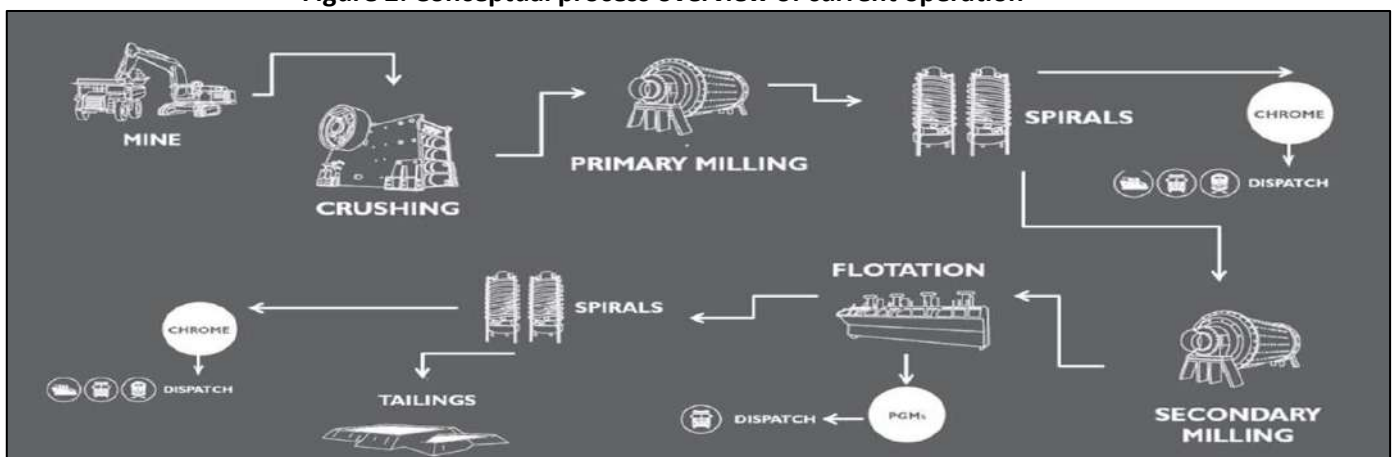
The WRDs will be located within the existing MR area which is constrained for open space. The Tharisa Mine is also bordered by other mining companies (Western Platinum Mine, Marikana Platinum Mine and Samancor) on the West, North and Eastern boundaries of the Tharisa MR area. The N4 and farming community of Buffelspoort are located to the South of the Tharisa Mine. In addition to this, some of the WRDs will be placed on previously disturbed areas, thereby minimising the project footprint. It follows that no alternative for the location of the proposed additional WRDs have been considered for the proposed project. In addition, the proposed TSF is planned to be within the footprint of the already approved (but not built) West WRD Extension. As for the WRD location space on site is severely constrained and no further alternatives have been considered.

CONCEPTUAL DESIGN FEATURES

Conceptual design features associated with the proposed additional WRDs are provided below. The WRDs will be similar to those already existing or in operation at the mine.

- **Transport and Placement:** Waste rock will be loaded into mining dump trucks and hauled to the proposed waste rock storage sites where it will be tipped and dozed onto the proposed WRDs. Tharisa operations and contractors will be utilised.
- **Stormwater Management:** Stormwater management infrastructure such as berms to manage run-off from the proposed WRDs will be established around the perimeter of the proposed WRDs. Stormwater trenches and berms around the upstream boundaries of the WRDs will direct clean stormwater run-off around and away from the WRDs.
- **Rehabilitation and Closure:** WRD side slopes will be flattened, and re-vegetated to mimic the vegetation cover of natural topographical features in the area. Topsoil stripped prior to development will be used to provide the growth medium.

Figure 2: Conceptual process overview of current operation



BIOPHYSICAL BASELINE OVERVIEW

- **Geology:** The Tharisa mine is underlain by igneous rocks of the Rustenburg Layered Suite (RLS) which forms part of the Bushveld Igneous Complex (BIC).
- **Climate:** Highveld Climatic Zone, which is a warm temperate climate. Rainfall is generally in the form of thunderstorms which can be of high intensity with lightning and strong gusty south-easterly winds.
- **Topography:** The Magaliesberg Mountain range lies approximately 2 km to the south of the Tharisa Mine. The mine itself lies on a relatively flat plain with a gentle slope down towards the north.
- **Soils and land capability:** The Tharisa Mine is underlain by heavy structured soils with high clay content. These soils tend to be saline in character, are difficult cultivate and are not prone to erosion.
- **Surface water:** The Tharisa Mine is located within the upper reaches of the A21K quaternary catchment. The mining area is dominated by non-perennial tributaries and the perennial Sterkstroom, which separates the East and West mining areas.
- **Groundwater:** The mine is underlain by a shallow upper weathered aquifer and a deeper fractured aquifer, Groundwater levels within the vicinity of the mine ranges between 2-14 meters below ground level.
- **Biodiversity (Terrestrial and Aquatic Systems):** Tharisa Mine falls within the Savanna Biome, the Central Bushveld Bioregion and within the Marikana Thornveld, Moot Plains Bushveld and Gold Reef Mountain Bushveld vegetation types. Natural biodiversity at the mine has been impacted by their mining activities and infrastructure, community and private farming activities.
- **Air quality:** Significant sources of air pollution are located within the Rustenburg-Brits region and include stack, vent and fugitive emissions from industrial and mining operations.
- **Noise:** Potential sensitive noise receptors include surrounding residential and agricultural land uses, the President van Rensburg/Piet Retief school and animals. The ambient noise in the mining right area is elevated by current mining infrastructure activities, road traffic and general community activities (including farming).
- **Visual:** The landscape character within the Tharisa mine is relatively flat plain with gentle slopes, the area has been transformed due to Tharisa's current approved mining infrastructure and agricultural activities. The landscape character consists of gentle rolling plains with singular and clusters of smaller koppies with the Magaliesberg Mountain Range as the main topographical feature in the area.

SOCIO-ECONOMIC BASELINE OVERVIEW

- **Socio-economic:** The North West Province is the fourth largest provincial contributor to the gross domestic product (GDP) of South Africa. The Province has a GDP of R55 320 per capita and produces 6.7% of South Africa's GDP. Mining, agriculture and manufacturing contribute to the largest portion of provincial output. Tourism is the fourth most important economic sector in the Province. It was estimated that the unemployment rate of the province in 2016 was 32% (this is slightly higher than the current unemployment rate of 29% in South Africa). Five percent (5%) of the population has tertiary education. Furthermore, only 35% of the total population in the province have secondary education.
- **Land use:** The land use within the mining right area is a mixture of mining, farming and residential. Neighbouring mines include Western Platinum Limited (to the north), Marikana Platinum Mine (to the west), Salene Mining (to the west, owned by Tharisa) and Samancor and Sogima Mining (to the east). There are a number of land users that are actively involved in subsistence and/or commercial farming activities such as livestock, growing citrus fruits and vegetables in the vicinity of the mine. Aside from private landowners and their tenants, four settlements (Mmaditlhokwa, Lapologang, Buffelspoort and Elandsdrift) have been identified in and around the study area.

CULTURAL BASELINE OVERVIEW

- **Heritage/cultural resources and Palaeontology:** Tharisa is located in the Central Bankeveld of the North West Province of South Africa. The mine is located to the north of the Magaliesberg Mountain Range which is known for its rich and diverse range of heritage resources. Stone Age sites are scattered along the Range and also found in caves and rock shelters. Heritage resources of high significance have also been identified within the MR area, which include graves and houses of historical significance. Rock engraving sites are located further towards Maanhaarrand and Rustenburg in the west. Tharisa is located on the BIC of the RLS, therefore there exists no chance of palaeontological resources.

POTENTIAL BIOPHYSICAL, CULTURAL AND SOCIO-ECONOMIC IMPACTS AND RELATED SPECIALIST INPUT

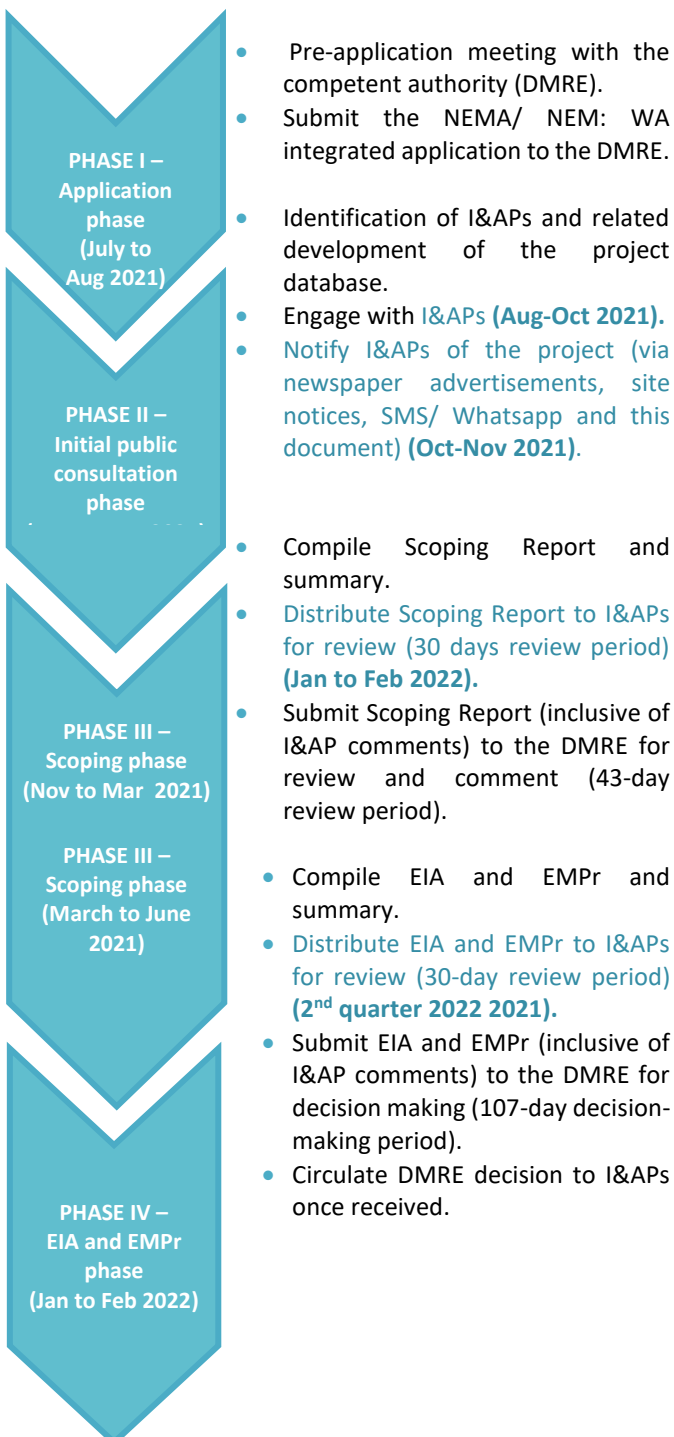
Potential impacts that have been identified and will be investigated as part of the environmental assessment process are tabulated below. Where specialist input is required, this has been indicated.

Aspect	Potential environmental and socio-economic impacts	Specialist input (where required)
Biophysical		
Geology	Sterilisation of resources.	Qualitative assessment by EAP
Topography	Contribution to alteration of topography linked to impacts on drainage patterns, visual landscape.	
Soils and land capability	Physical disturbance and contamination of soil resources, loss of agricultural land.	Soils, Land Use and Land Capability Study inc. Agricultural Potential Assessment
Biodiversity – Terrestrial and Aquatic	Physical loss and general disturbance of habitats and species.	Terrestrial and Aquatic Biodiversity Studies
Surface water	Contamination and alteration of drainage patterns.	Stormwater management design work and Surface Water Assessment
Groundwater	Contamination of resources.	Groundwater Study and Geochemistry Study
Air Quality and Noise	Increase in emissions and ambient levels.	Air Quality and Noise Studies
Visual	Contribution to alteration of visual landscape.	Visual Study
Cultural		
Heritage/cultural/palaeontological resources	Loss of or damage to resources.	Heritage/ Cultural/ Palaeontological Studies
Socio-economic		
Socio-economic	Continued operation of the mine and associated socio-economic impacts.	Qualitative assessment by EAP

ENVIRONMENTAL AUTHORISATION AND PUBLIC PARTICIPATION PROCESS

ENVIRONMENTAL AUTHORISATION PROCESS

The environmental assessment process provides information pertaining to procedural components and the environment in which it is being undertaken. It identifies and assesses, in consultation with I&APs, the negative and positive biophysical and socio-economic impacts (**Key I&AP input stages are indicated in blue text below**). The environmental assessment process also reports on management measures required to mitigate impacts to an acceptable level and incorporates requirements for monitoring programmes (where required). The process steps and estimated timeframes are provided below.



PUBLIC PARTICIPATION PROCESS

The purpose of the public participation process is to notify I&APs of the proposed project and to provide them with the opportunity to raise issues or concerns regarding the proposed project. The public participation process will be undertaken in accordance with the requirements of Chapter 6 of GNR 982 of 4 December 2014 (EIA Regulations), as amended. Due to COVID-19 restrictions, online and digital platforms will be utilised (as far as possible) to engage with I&APs. These platforms will include a combination of email, SMS, posters, and access to SLR's website and a data free website where reports can be accessed. Loud hailing services and information booths will also be utilised to inform I&APs about the proposed project. I&APs involved in the environmental authorisation process are listed below:

I&APs INVOLVED IN THE ENVIRONMENTAL ASSESSMENT PROCESS

LANDOWNERS, LAND USERS AND OTHER I&APs

- Surrounding landowners, land users and communities.
- Non-government organisations and associations.
- Surrounding mines and industries.
- Parastatals.

COMPETENT AUTHORITY

- North West Department of Mineral Resources and Energy (DMRE).

COMMENTING AUTHORITIES

- Department of Economic Development, Environment, Conservation and Tourism.
- Department of Rural Environment and Agricultural Development.
- Department of Forestry, Fisheries and Environment;
- North West Parks and Tourism Board.
- Department of Rural Development and Land Reform – inclusive of the Land Claims Commissioner.

LOCAL AUTHORITIES

- Rustenburg Local Municipality (including the Ward 32 Councillor).
- Bojanala District Municipality.

Please let us know if there are any additional parties that should be involved.

**THARISA MINERALS (PTY) LTD
BACKGROUND INFORMATION DOCUMENT**

**ADDITIONAL WASTE ROCK STORAGE AT THE THARISA MINE
NOVEMBER 2021**

DATE		TIME			
PARTICULARS OF THE INTERESTED AND AFFECTED PARTY					
NAME					
INTEREST IN THE PROPOSED PROJECT					
POSTAL/STREET ADDRESS					
		POSTAL CODE			
WORK/DAY TELEPHONE NUMBER		WORK/DAY FAX NUMBER			
CELL PHONE NUMBER		E-MAIL ADDRESS			
PLEASE REGISTER ME AS AN INTERESTED & AFFECTED PARTY (I&AP) SO THAT I MAY RECEIVE FURTHER INFORMATION AND NOTIFICATIONS DURING THE ENVIRONMENTAL IMPACT ASSESSMENT PROCESS			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">YES</td> <td style="width: 50%; text-align: center;">NO</td> </tr> </table>	YES	NO
YES	NO				
HOW WOULD YOU LIKE TO RECEIVE YOUR NOTIFICATIONS?			E-MAIL		
			REGISTERED MAIL (POST)		

PLEASE WRITE YOUR COMMENTS AND QUESTIONS HERE (please use separate sheets if you wish)

PLEASE INCLUDE THE FOLLOWING OF MY COLLEAGUES/FRIENDS/NEIGHBOURS AS I&APS FOR THIS PROJECT:

Please return completed forms to:
Reinett Mogotshi
 SLR Consulting (South Africa) (Pty) Ltd
 (011) 467 0945
 rmogotshi@slrconsulting.com

THANK YOU FOR YOUR CONTRIBUTION!!!

THARISA MINERALS (EDMS.) BPK. AGTERGRONDINLIGTINGSDOKUMENT

BYKOMENDE BERGING VAN AFVALKLIP BY DIE THARISA-MYN

NOVEMBER 2021

INLEIDING

Tharisa Minerals (Edms.) Bpk. (Tharisa) is 'n oopgroefmynboubedryf wat chroom- en platinumgroepmetaalkonsentraat (PGM) produseer. Die oopgroefmyn is geleë op die plaas 342 JQ en Elandsdrift 467 JQ naby die dorp Marikana in die Bojanala Distriksmunisipaliteit en Rustenburg Plaaslike Munisipaliteit, Noordwes-provinsie.

Tharisa beskik oor bestaande Omgewingsmagtigings (OM's) en lisensies ingevolge die Wet op die Ontwikkeling van Minerale en Petroleum Hulpbronne, Wet 28 van 2002 (MPRDA), die Nasionale Wet op Omgewingsbestuur, Wet 107 van 1998 (NEMA), die Nasionale Wet op Omgewingsbestuur: Afval, Wet 59 van 2008 (NEM:WA) en die Nasionale Waterwet, Wet 36 van 1998 (NWW).

Mynbou word in twee mynboseksies onderneem, naamlik die Oos- en Wesmyn, deur gebruik te maak van konvensionele oopgroefvragmotor- en graafmetodes. Afvalklip uit die oopgroefgebiede word óf op afvalkliphope (AKH's) opgegaan óf as deel van gelyktydige rehabilitasie in die oopgroef teruggevuul.

As deel van sy voortgesette mynbeplanning het Tharisa die behoefte aan bykomende berging van afvalklip en uitskot op die terrein geïdentifiseer. In hierdie verband, beoog Tharisa om:

- 'n nuwe AKH te vestig;
- 'n reeds-goedgekeurde AKH uit te brei;
- AKH's bo-op teruggevuulde gedeeltes van die Oos- en Wes-groef te vestig; en
- 'n nuwe uitskotbergingsfasiliteit (UBF) te bou.

OMGEWINGSMAGTIGINGSPROSES

Vóór die aanvang van die beoogde projek, word die volgende vereis:

- 'n Gewysigde Omgewingsbestuursprogram (OBPr) van die Departement van Minerale Hulpbronne en Energie (DMHE) af ingevolge Artikel 102 van die MPRDA.
- 'n OM ingevolge NEMA vir aktiwiteite in Lyskennisgewing 1 (Staatskennisgewing R983 van 2014), Lyskennisgewing 2 (Staatskennisgewing R984 van 2014) en Lyskennisgewing 3 (Staatskennisgewing R985 van 2014) soos gewysig, by die DMHE. Die Regulasies op Omgewingsimpakevaluering (OIE-regulasies) wat gevolg word, is Staatskennisgewing R982 van 4 Desember 2014, soos gewysig.
- 'n Afvalbestuurslisensie ingevolge die NEM:WA vir aktiwiteite met betrekking tot afval in Kategorie B (Staatskennisgewing R921 van 2013), soos gewysig.

Die vereiste omgewingsevalueringproses sluit 'n aansoek-, bestekopname- en OIE- & OBPr-fase in. SLR Consulting (South Africa) (Edms.) Bpk. (SLR), 'n onafhanklike firma van omgewingskonsultante, is deur Tharisa aangestel om die omgewingsmagtigingsproses te bestuur.

DOEL VAN HIERDIE DOKUMENT

Hierdie dokument is opgestel om u toe te lig oor:

- die beoogde projek;
- die projekalternatiewe wat oorweging geniet;
- die biofisiese, kulturele en sosio-ekonomiese grondlynomgewing van die projekgebied;
- die omgewingsevalueringprosesse wat gevolg word;
- moontlike biofisiese, kulturele en sosio-ekonomiese impakte en verwante spesialisinsette; en
- hoe u insette in die omgewingsevalueringproses kan lewer.

U ROL

U is as 'n belangstellende en geaffekteerde party (B&GP) geïdentifiseer wat moontlik ingelig wil word oor die beoogde projek en insae in die omgewingsmagtigingsproses en -verslae wil hê. U het 'n geleentheid om hierdie dokument na te gaan en om u aanvanklike kommentaar aan SLR te stuur vir insluiting in die omgewingsevalueringproses. U sal ook die geleentheid kry om die Bestekopnameverslag en OIE & OBPr na te gaan en om kommentaar daarop te lewer.

Alle kommentaar sal aangeteken en ingesluit word in die verslae wat ingedien gaan word vir besluitneming.

COVID-19-BEPERKINGS:

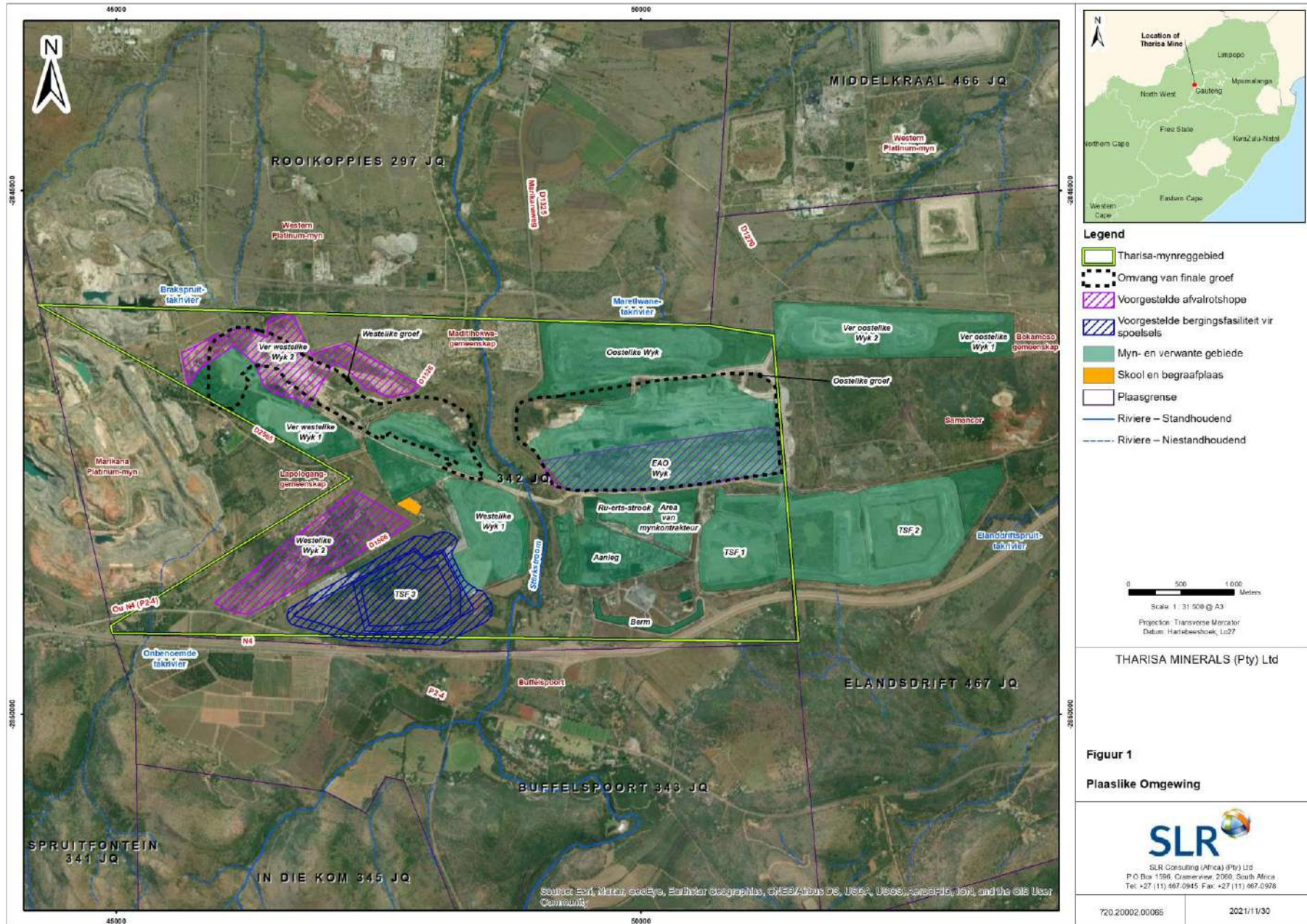
Weens COVID-19-bepelings, sal aanlyn- en digitale platforms (sover moontlik) gebruik word om met B&GP's te skakel.

HOE OM TE REAGEER:

Reaksie op hierdie dokument kan by wyse van die aangehegte kommentaarvorm en/of deur kommunikasie met die onderstaande persoon ingedien word.

WIE OM TE KONTAK:

Reinett Mogotshi
Tel: 011 467 0945 of
E-pos: rmogotshi@slrconsulting.com



OORSIG VAN BESTAANDE BEDRYWIGHEDE

Tharisa bedryf tans die Tharisa-myn, wat chroom en PGM-konsentrate produseer en sedert 2008 in bedryf staan. Mynbou word in twee mynbouseksies onderneem, naamlik die Oos- en Wesmyn. Die twee mynbouseksies word deur die Sterkstroomrivier en die D1325 (Marikanapad) geskei (Figuur 1). Belangrike myninfrastruktuur sluit in vervoerpaaië, onbehandelde erts, produk- en bogrondvoorraadstapels, 'n konsentrator-kompleks, AKH's, uitskotbergingsfasiliteite (UBF's) en steuninfrastruktuur soos kantore, werkswinkels, kleedkamers en toegangsbeheerfasiliteite.

Die hoëvlakproses vir die bestaande bedrywighede word hieronder in Figuur 2 beskryf:

1. Mynbou geskied aan die hand van 'n konvensionele oopgroef vragmotor- en graafmetode. Bogrond word apart opgehoop en afvalklip word op die AKH's gestort.
2. PGM en chroomerts word by die konsentratoraanleg verwerk, waar die erts onderwerp word aan vergruising, sifting, maal, spirale en flottering.
3. Verwerkte PGM-materiaal word na 'n verdikker toe gestuur, waarna platinumkonsentraat versend word om aan derdepartye te verkoop.
4. Verwerkte chroommateriaal word na 'n verdikker toe gestuur, waarna chroomkonsentraat versend word om aan derdepartye te verkoop.
5. Uitskotmateriaal word na die UBF toe gestuur vir wegdoening.

OORSIG VAN DIE BEOOGDE PROJEK

As deel van sy voortgesette mynbeplanning het Tharisa die behoefte aan bykomende berging van afvalklip op die terrein geïdentifiseer. In hierdie verband, beoog Tharisa om (sien Figuur 1):

- 'n nuwe AKH te vestig – Wes-AKH 2 genoem;
- 'n reedsgoedgekeurde AKH te vergroot – Verre Weste AKH 2 genoem;
- afvalklip bo-op terugge vulde gedeeltes van die Wes- en Oosgroef te vestig – Verre Weste AKH 2 en EAO AKH genoem.

Die beoogde AKH's is almal in die bestaande Tharisa Mynreggebied (MR) geleë. Die Verre Weste AKH 2 sal inbreek maak op die Madithokwa-gemeenskap, terwyl die Wes-AKH 2 sal lei tot die verplasing van privaat plaasbewoners en gemeenskapslede wat aan die rand van die Lapologang-gemeenskap woon.

PROJEKALTERNATIEWE

Die AKH's sal in die bestaande MR-gebied geleë wees, wat min oop ruimte het. Die Tharisa-myn word ook aan die westelike, noordelike en oostelike grense van die MR-gebied begrens deur ander mynboumaatskappye (Western Platinummyn, Marikana Platinummyn en Samancor). Die N4 en boeregemeenskap van Buffelspoort is suid van die Tharisa-myn geleë. Boonop sal van die AKH's op reedsversteurde gebiede geplaas word, wat die projek se voetspoor gevolglik beperk. Gevolglik is geen alternatief vir die ligging van die beoogde bykomende AKH's vir die beoogde projek oorweeg nie.

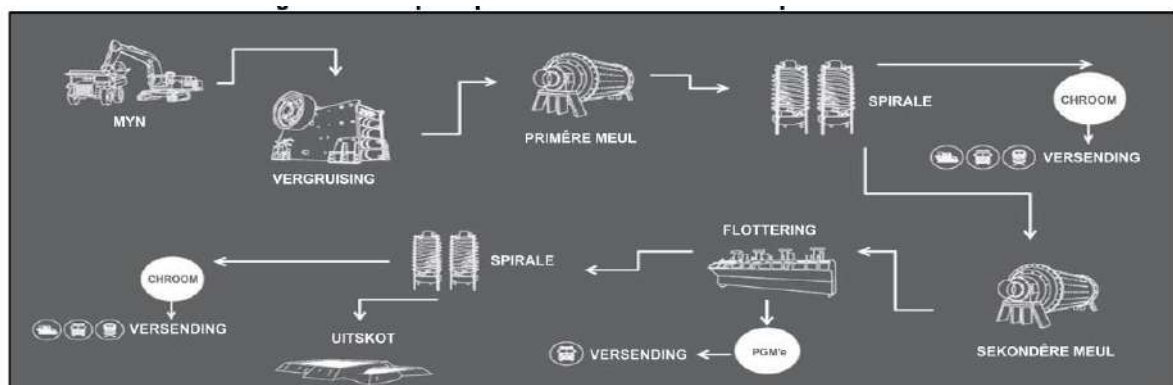
Daarbenewens word die beoogde UBF beplan om in die voetspoor van die reedsgoedgekeurde (maar nog nie geboude) Wes AKH-uitbreiding te wees. Wat die AKH se ligging betref, is ruimte op die terrein erg beperk en geen verdere alternatiewe is oorweeg nie.

KONSEPTUELE ONTWERPSKENMERKE

Konseptuele ontwerpskenmerke wat verband hou met die beoogde bykomende AKH's word hieronder verskaf. Die AKH's sal soortgelyk wees aan dié wat reeds by die myn bestaan of in bedryf staan.

- **Vervoer en plasing:** Afvalklip sal op mynstortbakvragmotors gelaai en na die beoogde afvalklipbergingssterreine toe vervoer word, waar dit gestort en op die beoogde AKH's gestoot sal word. Tharisa-bedrywighede en kontrakteurs sal gebruik word.
- **Stormwaterbestuur:** Infrastruktuur vir stormwaterbestuur, soos berms om die beoogde AKH's se afloop te beheer, sal rondom die beoogde AKH's se grens gevestig word. Stormwaterslote en berms rondom die AKH's se grense stroomop, sal skoon stormwaterafloop om en weg van die AKH's af lei.
- **Rehabilitasie en sluiting:** AKH-syhellings sal afgeplat en herbeplant word om die plantegroei van natuurlike topografiese kenmerke in die gebied na te boots. Bogrond wat vóór ontwikkeling afgestroop is, sal gebruik word om die groeimedium te voorsien.

Figuur 2: Oorsig van huidige bedryf se konsepproses



OORSIG VAN BIOFISIESE GRONDLYN

- **Geologie:** Die Tharisa-myn word onderlê deur stollingsgesteentes van die Rustenburg Gelaagde Suite (RLS) wat deel vorm van die Bosveld Stollingskompleks (BIC).
- **Klimaat:** Hoëveld klimaatsone, wat 'n warm, gematigde klimaat is. Reënval is oor die algemeen in die vorm van donderstorms wat van hoë intensiteit kan wees, met weerlig en sterk suidoostelike rukwinde.
- **Topografie:** Die Magaliesberg-reeks is sowat 2 km suid van die Tharisa-myn af geleë. Die myn self is op 'n betreklik plat vlakke met 'n geleidelike helling na die noorde toe geleë.
- **Grondsoorte en grondvermoë:** Die Tharisa-myn word onderlê deur swaar gestruktureerde grondsoorte met 'n hoë klei-inhoud. Hierdie grondsoorte is geneig om soutiger van aard te wees, is moeilik om te bewerk en is nie geneig tot erosie nie.
- **Oppervlaktwater:** Die Tharisa-myn is geleë op die boonste uithoeke van die A21K-kwaternêre opvangsgebied. Die mynbougebied word oorheers deur nie-standhoudende sytakke en die standhoudende Sterkstroom, wat die Oos- en Wes-mynbougebied skei.
- **Grondwater:** Die myn word onderlê deur 'n vlak, verweerde boonste akwifer en 'n dieper, gebreekte akwifer; grondwatervlakke in die omgewing van die myn wissel tussen 2 en 14 meter onder grondvlak.
- **Biodiversiteit (terrestriële en akwatiese stelsels):** Die Tharisa-myn val in die Savanna-bioom, die Sentrale Bosveld Biostreek en in die Marikana Doringveld, Moot Vlaktesbosveld en Gold Reef Bergbosveld plantegroeiisoorte. Natuurlike biodiversiteit by die myn is beïnvloed deur hul mynboubedrywighede en infrastruktuur, gemeenskaps- en privaatboerderybedrywighede.
- **Luggehalte:** Daar is beduidende bronne van lugbesoedeling in die Rustenburg-Britsstreek, wat skoorsteen-, ventilasie- en vlugtige emissies van nywerheids- en mynboubedrywighede insluit.
- **Geraas:** Potensiële sensitiewe geraasreceptors sluit omliggende residensiële en landbougrondgebruike, die President van Rensburg/Piet Retief-skool en diere in. Die omgewingsgeraas in die mynreggebied word verhoog deur huidige mynbou-infrastruktuurbedrywighede, padverkeer en algemene gemeenskapsbedrywighede (boerdery inklusief).
- **Visueel:** Die landskapkenmerk op die Tharisa-myn is 'n betreklik plat vlakke met geleidelike hellings; die gebied is getransformeer as gevolg van Tharisa se tansgoedgekeurde mynbou-infrastruktuur en landboubedrywighede. Die landskapkenmerk bestaan uit geleidelike golwende vlaktes met enkele en groepies kleiner koppies met die Magaliesberg-reeks as die vernaamste topografiese kenmerk in die gebied.

OORSIG VAN SOSIO-EKONOMIESE GRONDLYN

- **Sosio-ekonomies:** Die Noordwes-provinsie is Suid-Afrika se vierde grootste provinsiale bydraer tot die bruto binnelandse produk (BBP). Die provinsie het 'n BBP van R55 320 per capita en produseer 6,7% van Suid-Afrika se BBP. Mynbou, landbou en vervaardiging dra by tot die grootste gedeelte van provinsiale uitset. Toerisme is die vierde belangrikste ekonomiese sektor in die provinsie. Daar is beraam dat die provinsie se werkloosheidsyfer in 2016 32% was (dit is effens hoër as Suid-Afrika se huidige werkloosheidsyfer van 29%).
- Vyf persent (5%) van die bevolking het tersiêre opleiding. Voorts het slegs 35% van die totale bevolking in die provinsie sekondêre onderrig gehad.
- **Grondgebruik:** Die grondgebruik in die mynreggebied is 'n mengsel van mynbou, boerdery en residensiële. Naburige myne sluit in Western Platinum Beperk (in die noorde), Marikana Platinummyn (in die weste), Salene Mining (in die weste, besit deur Tharisa) en Samancor en Sogima Mining (in die ooste). Daar is 'n aantal grondgebruikers wat aktief betrokke is by bestaans- en/of kommersiële boerderybedrywighede soos vee en die verbouing van sitrusvrugte en groente in die omgewing van die myn. Benewens privaatgrondeienaars en hul huurders, is vier nedersettings (Mmaditlhokwa, Lapologang, Buffelspoort en Elandsdrift) in en om die studiegebied geïdentifiseer.

OORSIG VAN KULTURELE GRONDLYN

- **Erfenis-/Kultuurhulpbronne en paleontologie:** Tharisa is geleë in Suid-Afrika se Sentrale Bankeveld van die Noordwes-provinsie. Die myn is noord van die Magaliesberg-reeks, wat bekend is vir sy ryk en uiteenlopende verskeidenheid erfenishulpbronne, geleë. Steentydperkterreine is met die Reeks langs versprei en word ook in grotte en rotsskuilings aangetref. Erfenishulpbronne van wesenlike betekenis is ook in die MR-gebied geïdentifiseer, wat grafte en huise van geskiedkundige belang insluit. Terreine met rotsgraverings is verder na Maanhaarrand en Rustenburg in die weste toe geleë. Tharisa is geleë op die Bosveld Stollingskompleks van die Rustenburg Gelaagde Suite, gevolglik is daar geen kans vir paleontologiese hulpbronne nie.

POTENSIËLE BIOFISIËSE, KULTURELE EN SOSIO-EKONOMIESE IMPAKTE EN VERWANTE SPESIALISINSETTE

Potensiële impakte wat geïdentifiseer is en as deel van die omgewingsevalueringproses ondersoek sal word, verskyn in die tabel hieronder. Waar spesialisinsette vereis word, is dit ook aangedui.

Aspek	Potensiële omgewings- en sosio-ekonomiese impakte	Spesialisinset (waar vereis)
Biofisies		
Geologie	Sterilisering van hulpbronne.	Kwalitatiewe evaluering deur OEP
Topografie	Bydrae tot verandering van topografie wat verband hou met impakte op dreineringspatrone, visuele landskap.	
Grondsoorte en grondvermoë	Fisiese versteuring en kontaminasie van grondhulpbronne, verlies van landbougrond.	Studie van grondsoorte, -gebruik en -vermoë; met insluiting van evaluering van landboupotensiaal
Biodiversiteit – terrestriël en akwaties	Fisiese verlies en algemene versteuring van habitatte en spesies.	Studies van terrestriële en akwatiese biodiversiteit
Oppervlakwater	Kontaminasie en verandering van dreineringspatrone.	Evaluering van stormwaterbestuursontwerp en oppervlakwater
Grondwater	Kontaminasie van hulpbronne.	Studie van grondwater en geochemie
Luggehalte en geraas	Toename in emissies en omgewingsvlakke.	Studies van luggehalte en geraas
Visueel	Bydrae tot verandering van visuele landskap.	Visuele studie
Kultuur		
Erfenis-/Kultuur-/Paleontologiese hulpbronne	Verlies van of skade aan hulpbronne.	Erfenis-/Kultuur-/Paleontologiese studies
Sosio-ekonomies		
Sosio-ekonomies	Voortgesette bedryf van die myn en verwante sosio-ekonomiese impakte.	Kwalitatiewe evaluering deur OEP

OMGEWINGSMAGTIGINGSPROSES

Die omgewingsevalueringsproses bied inligting betreffende prosedurele komponente en die omgewing waarin dit onderneem word. In oorleg met B&GP's, identifiseer en evalueer dit die negatiewe en positiewe biofisiese en sosio-ekonomiese impakte (**Belangrike B&GP-insetstadiums verskyn in blou teks hieronder**). Die omgewingsevalueringsproses doen ook verslag oor bestuursmaatreëls wat benodig is om impakte tot op 'n aanvaarbare vlak te versag en inkorporeer vereistes vir moniteringsprogramme (waar vereis). Die proses se stappe en beraamde tydsraamwerke verskyn hieronder.



OPENBARE DEELNAMEPROSES

Die doel van die openbare deelnameproses is om B&GP's in kennis te stel van die beoogde projek en om hulle die geleentheid te bied om kwessies of knelpunte met betrekking tot die beoogde projek te opper. Die openbare deelnameproses sal onderneem word ingevolge die vereistes van Hoofstuk 6 van Staatskennisgewing R982 van 4 Desember 2014 (OIE-regulasies), soos gewysig. Weens COVID-19-beperkings, sal aanlyn- en digitale platforms (sover moontlik) gebruik word om met B&GP's te skakel. Hierdie platforms sal 'n kombinasie van e-pos, SMS, plakkate en toegang tot SLR se datavrye webwerf insluit waar toegang tot verslae gekry kan word. Luidsprekerdienste en inligtingshokkies sal ook gebruik word om B&GP's oor die beoogde projek in te lig. B&GP's wat betrokke is by die omgewingsmagtigingsproses, word hieronder gelys:

B&GP'S WAT BETROKKE IS BY DIE OMGEWINGSEVALUERINGSPROSES

GRONDEIENAARS, GRONDGEBRUIKERS EN ANDER B&GP'S

- Omliggende grondeienaars, grondgebruikers en gemeenskappe.
- Nie-regeringsorganisasies en verenigings.
- Omliggende myne en nywerhede.
- Semi-staatsinstansies.

BEVOEGDE OWERHEID

- Noordwes Departement van Minerale Hulpbronne en Energie (DMHE).

OWERHEDE WAT KOMMENTAAR LEWER

- Departement van Ekonomiese Ontwikkeling, Omgewingsake en Toerisme.
- Departement van Landelike Omgewing en Landbou-ontwikkeling.
- Departement van Bosbou, Visserye en Omgewingsake;
- Noordwes Parke- en Toerismeraad.
- Departement van Landelike Ontwikkeling en Grondhervorming – met insluiting van die Kommissaris van Grondeise.

PLAASLIKE OWERHEDE

- Rustenburg Plaaslike Munisipaliteit (met insluiting van Wyk 32 se wyksraadslid).
- Bojanala Distriksmunisipaliteit.

Laat ons asseblief weet as daar nog partye is wat betrokke moet wees.

THARISA MINERALS (EDMS.) BPK.
AGTERGRONDINLIGTINGSDOKUMENT

BYKOMENDE BERGING VAN AFVALKLIP BY DIE THARISA-MYN
NOVEMBER 2021

DATUM		TYD	
BESONDERHEDE VAN BELANGSTELLELENDE EN GEAFFEKTEERDE PARTY			
NAAM			
BELANG BY DIE BEOOGDE PROJEK			
POS-/STRAATADRES			
		POSKODE	
TELEFOONNOMMER BY DIE WERK/BEDAGS		FAKSNOMMER BY DIE WERK/BEDAGS	
SELFOONNOMMER		E-POSADRES	
REGISTREER MY ASSEBLIEF AS 'N BELANGSTELLELENDE EN GEAFFEKTEERDE PARTY (B&GP) SODAT EK VERDERE INLIGTING EN KENNISGEWINGS TYDENS DIE OMGEWINGSIMPAAKEVALUERINGSPROSES KAN ONTVANG.	JA	NEE	
HOE WIL U KENNISGEWINGS ONTVANG?	E-POS		
	GEREGISTREERDE POS		

SKRYF U KOMMENTAAR EN VRAE ASSEBLIEF HIER NEER (gebruik gerus aparte bladsye as u wil)

--

SLUIT ASSEBLIEF DIE VOLGENDE VAN MY KOLLEGAS/VRIENDE/BURE IN AS B&GP'S VIR HIERDIE PROJEK:

Stuur ingevulde vorms asseblief terug aan:
Reinett Mogotshi
SLR Consulting (South Africa) (Edms.) Bpk.
Tel: 011 467 0945
E-pos: rmogotshi@slrconsulting.com

DANKIE VIR U BYDRAE!!!

THARISA MINERALS (PTY) LTD BUKANA YA TSHEDIMOSETSO YA LEMORAGO

MABOLOKELO A A OKETSEGILENG KWA MOEPONG WA THARISA A MAJE A A LATLHILWENG NGWANATSELA 2021

MATSENO

Tharisa Minerals (Pty) Ltd (Tharisa) ke lefelo la moepo wa khuti e e bulegileng o o tlhagisang ditlhopho tsa selekanyo se segolo sa ditshipi tsa *chrome* le polatinamo (PGM). Moepo wa khuti e e bulegileng o mo polasing ya 342 JQ le Elandsdrift 467 JQ, gaufi le toropo ya Marikana mo Masepaleng wa Kgaolo wa Bojanala le Masepala wa Selegae wa Rustenburg, Porofense ya Bokone Bophirima.

Tharisa e tshwere ditumelelo tsa tikologo [environmental authorisations (EAs)] tse di setseng di le gone, mmogo le dilaeense tse di ka fa tlase ga Molao wa Tlhabololo ya Diminerale le Didirisiwa tsa Petoroliamo, 28 wa 2002 (MPRDA), Molao wa Tsamaiso ya Tikologo ya Bosetšhaba, 107 wa 1998 (NEMA), Molao wa Tsamaiso ya Tikologo ya Bosetšhaba: Leswe, 59 wa 2008 (NEM: WA) le Molao wa Bosetšhaba wa Metsi, 36 wa 1998 (NWA).

Go epa go dirwa mo dikarolong tse pedi tsa meepo, e leng kwa East Mine le West Mine, go dirisiwa mekgwa e e tlwaelegileng ya dilori tsa mekwatla e e bulegileng le digarawe. Maje a a latlhilweng go tswa mo mafelong a meepo ya dikhuti tse di bulegileng a ka tswa a kokoantswe mo mafelong a maje a a latlhilweng [waste rock dumps (WRD's)] kgotsa a busediwa mo dikhuting tse di bulegileng jaaka karolo ya go tsosolosa lefatshe leo.

E re ka e le karolo ya leano la yone le le tswelolang, Tharisa e lemogile gore go tlhokega mabolokelo a a oketsegileng a maje a a latlhilweng mo lefelong la mmereko. Ka ntlha ya seno, Tharisa e akantsha go:

- tlhoma WRD e ntšha;
- oketsa WRD e e neng e setse e dumeletsweng;
- tlhoma dikarolwana tse di fa godimo tsa maje a a buseditsweng tsa di-WRD mo dikhuting tsa East le West; le
- lefelo le lesa la mabolokelo a maje a a latlhilweng [tailings storage facility (TSF)].

TSAMAIISO YA TUMELELO YA TIKOLOGO

Pele ga gore porojeke e e akanyeditsweng e tsengwe tirisong, dilo tse di latelang di a tlhokega:

- Thulaganyo ya Tsamaiso ya Tikologo [Environmental Management Programme (EMPr)] e e fetotsweng go ya ka Karolo 102 ya MPRDA e e tswang kwa Lefapheng la Didirisiwa Tsa Diminerale le Maatla [Department of Mineral Resources and Energy (DMRE)].
- EA go ya ka NEMA ya ditiro tse di mo Lenaaneng la Kitsiso 1 Molao wa Kitsiso ya Puso [Government Notice Regulation (GNR)] 983 ya 2014, Lenaane la Kitsiso 2 (GNR 984 ya 2014) le Lenaane la Kitsiso 3 (GNR 985 ya 2014), jaaka a fetotswe, go tswa go DMRE. Melao ya Tshekatsheko ya Diphelelo Tsa mo Tikologong [Environmental Impact Assessment (EIA)] e e latelwang ke GNR 982 ya 4 December 2014, jaaka e fetotswe.
- Laesense ya Tsamaiso ya Matlakala go ya ka NEM:WA ya ditiro tsa matlakala tse di mo Karolo B (GNR 921 ya 2013), jaaka e fetotswe.

Tiro ya tlhatlhobo ya tikologo e e tlhokegang, e akaretsa legato la ikwadiso, legato la go sekaseka, le legato la EIA le EMPr. SLR Consulting (South Africa) (Pty) Ltd (SLR), e leng setheo se se ikemetseng sa bagakolodi ba tikologo, e tlhomilwe ke Tharisa go laola tsamaiso ya tumelelo ya tikologo.

MAIKAELELO A BUKANA ENO

Bukana eno e ile ya rulaganngwa gore e go itsise ka:

- Porojeke e e akantshitsweng;
- Diporojeke tse dingwe tse di akanyeditsweng;
- Motheo wa thutabotshelo, setso le ikonomi ya loago wa tikologong ya lefelo la porojeke;
- Tsamaiso ya tlhatlhobo ya tikologo e e latelwang;
- Kafa thutabotshelo, setso le ikonomi ya loago di ka amegang ka gone le ditshwaelo tsa baitseanape ba ba amegang; le
- Kafa o ka tshwaelang ka gone ka tsamaiso ya tlhatlhobo ya tikologo.

SEABE SA GAGO

O tlhophilwe go nna motsayakarolo yo o amegang le yo o nang le kgalhego [interested and affected party (I&AP)] yo o ka batlang go itsisiwe ka porojeke e e akanyeditsweng le go tshwaela ka tsamaiso le dipego tsa tumelelo ya tikologo le dipego.

O nnile le tshono ya go sekaseka bukana eno le go tshwaela ka yone go SLR gore ditshwaelo tsa gago di akarediwe mo tsamaisong eno ya tlhatlhobo ya tikologo. Gape, o tla nwa tshono ya go sekaseka Pego ya Tshekatsheko le ya EIA & EMPr le gore o tshwaele ka tsone.

Ditshwaelo tsotlhe di tla rekotiwa mme di akarediwe mo dipegong tse di tla romelwang kwa go dirwang tshwetso gone.

DITHIBELO TSA COVID-19

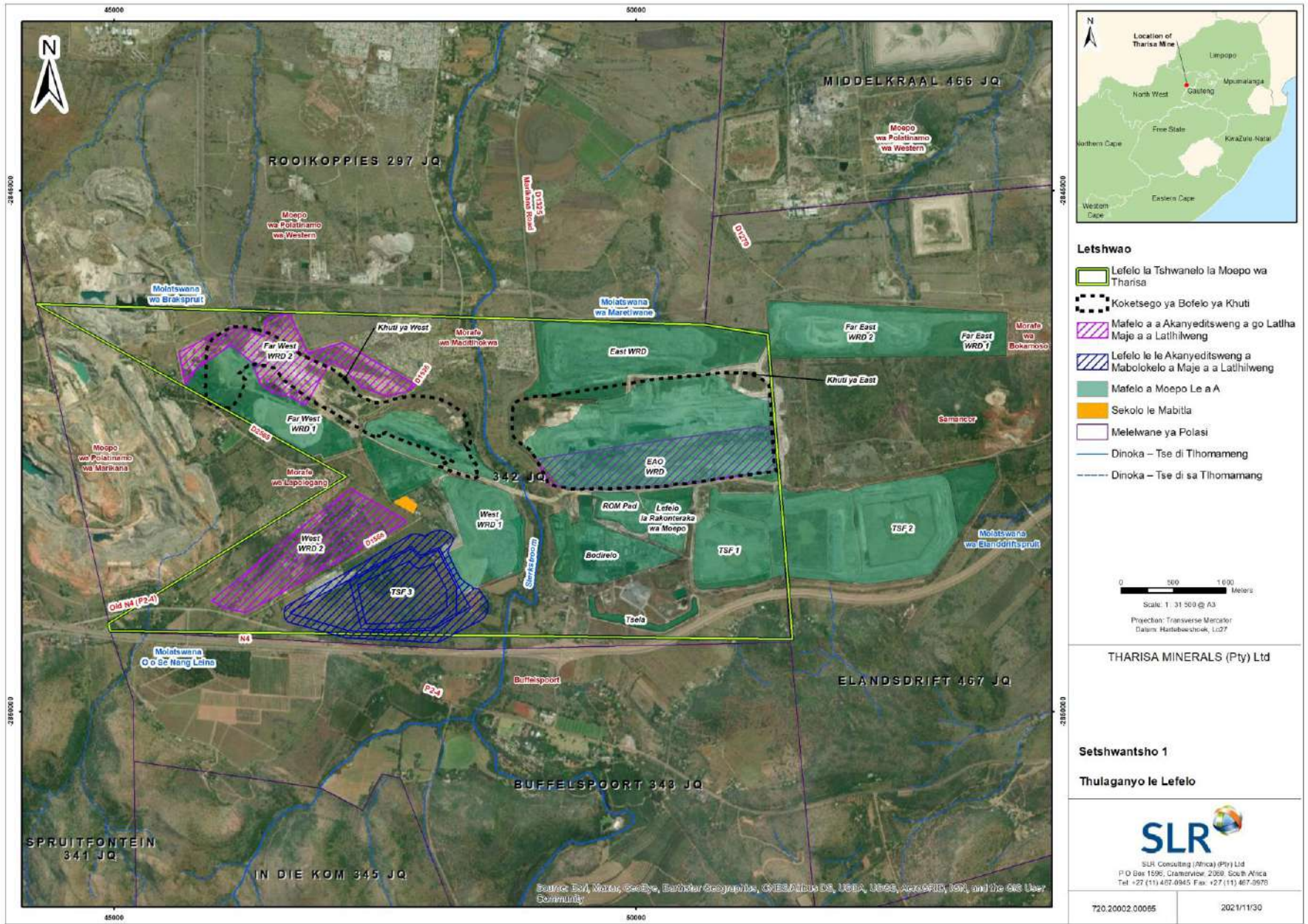
Ka ntlha ya dithibelo tsa COVID-19, dipolatefomo tsa internet di tla dirisiwa (go ya bokgakaleng jo bo kgonegang) go mekamekana le di-I&AP.

KAFA O KA TSIBOGANG KA GONE:

Ditsibogo tsa bukana eno di ka romelwa ka pampiri ya dikakgelo e e golagantsweng le/kgotsa ka go buisana le motho yo o kwadilweng fa fatshe.

MOTHO YO O KA IKGOLAGANYANG LE ENE:

Reinett Mogotshi
(011) 467 0945 (Tel) kgotsa
rmogotshi@slrconsulting.com



DINTLHAKAKARETSE TSA DITIRO TSE DI SETSENG DI LE GONE

Ga jaana, Tharisa e okametse tiro e e dirwang mo Moepong wa Tharisa, o o tthagisang selekanyo se segolo sa *chrome* le PGM mme e ntse e tthagisa fa e sale ka 2008. Go epa go dirwa mo dikarolong tse pedi tsa moepo, e leng East Mine le West Mine. Dikarolo tseno tsoopedi tsa moepo di kgaogantswe ke Noka ya Sterkstroom River le D1325 (Marikana Road) (Setshwantsho 1). Didirisiwa tsa konokono tsa moepo di akaretsa ditsela tsa dilori, kgogolo ya moepo, mmu o o fa godimo o o kokoatsweng, selekanyi sa ditshipi, di-WRD, mafelo a mabolokelo a maje a a latlhilweng [tailings storage facilities (TSFs)] le dikago tsa go etleetsa tiro tse di jaak a diofisi, mafelo a go berekela, matlo a go fetola diaparao, le dikago tsa go laola go tseno le go tswa ga batho.

Tsamaiso eno ya maemo a a kwa godimo ya ditiro tse di setseng di le gone e tshalosiwa fa fatshe mme e bontshitswe mo Setshwantsho 2:

- Go epa go dirwa ka mekgwa e e tlwaelegileng ya dilori tsa mekwatla e e bulegileng le digarawe. Mmu o o fa godimo o a kokoangwa mo lefelong le le farologaneng mme maje a matlakala a a latlhwa mo di-WRD.
 - PGM le maje a *chrome* a a tlhotlhwana mo kagong ya go tlhotlha kwa maje a thubagangwang le go tlhatlhabiwa gone, a a silwa, a a ikgara a bo a fokodiwa mowa.
- Maje a PGM a a tlhotlhwana a isiwa kwa a a thatafadiwang gone, go tswa foo selekanyo se segolo sa polatinamo se a romelwa go ya go rekisediwa batho ba bangwe.
- Chrome* e e tlhotlhwana e e isiwa kwa e e thatafadiwang gone mme go tswa foo, selekanyo se segolo sa *chrome* se a romelwa go ya go rekisediwa batho ba bangwe.
- Maje a a latlhilweng a romelwa kwa TSF gore a latlhwe.

DINTLHAKAKARETSE TSA POROJEKE E E AKANYEDITSWENG

E re ka e le karolo ya leano la yone le le tswelelang, Tharisa e lemogile gore go tlhokega mabolokelo a a oketsegileng a maje a a latlhilweng mo lefelong la mmereko. Ka ntlha ya seno, Tharisa e akantsha go (bona Setshwantsho 1):

- Tlhome WRD e ntšha – e e tlhalosiwang e le West WRD 2;
- Oketsa WRD e e neng e setse e dumeletswe – e e tlhalosiwang e le Far West WRD 2;
- Tlhome dikarolwana tse di fa godimo tsa maje a a buseditsweng tsa di-WRD mo dikhuting tsa East le West – Far West WRD 2 le EAO WRD.

Di-WRD tse di akanyeditsweng di tla tlhomiwa mo mafelong a a setseng a le gone a Tharisa Mining Right (MR). Far West WRD 2 e tla atamela morafe wa Maditlhokwa, mme West WRD 2 e tla bo e le mo polasing ya baagi ya poraefete le mo malokong a morafe o o nnang mo molelwane wa morafe wa Lapologang.

DIPOROJEKE TSE DINGWE

Di-WRD di tla tlhomiwa mo mafelong a a setseng a le gone a MR a a tshwanetseng go tlhomiwa mo mafelong a a bulegileng. Gape e Tharisa Mine e dikologilwe ke dikhampani tse dingwe tsa meepo (Western Platinum Mine, Marikana Platinum Mine le Samancor) mo melwaneng e e mo Bophirima, Bokone le Botlhaba jwa lefelo la Tharisa MR. N4 le morafe wa balemi wa Buffelspoort di mo Borwa jwa Tharisa Mine. Mo godimo ga seno, di-WRD dingwe di tla tlhomiwa mo mafelong a go kileng ga berekiwa mo go one mo nakong e e fetileng, mme ka go dira e fokotsa kgotlelo ya lefatshe ka ntlha ya porojeke. Seno se kaya gore ga go na phethogo ya lefelo le le akanyeditsweng go tlhoma di-WRD tse di oketsegileng tse di akanyeditsweng porojeke eno.

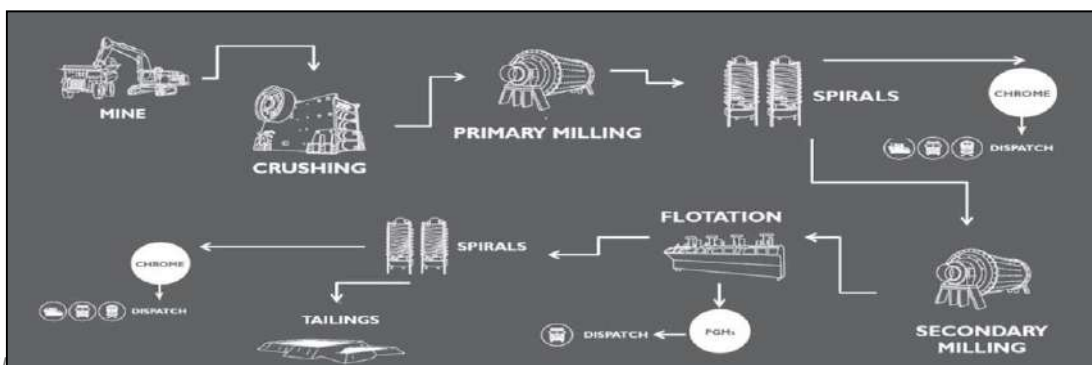
Mo godimo ga moo, TSF e e akanyeditsweng e rulagantswe go nna mo motlhaleng o o setseng o dumeletwe (mme gone o sa agiwa) mo West WRD Extension. Mme fa e le TSF e e mo lefelong la WRD e setse e pitlagane thata mme ga go na diphepho tse di akanyeditsweng mo go yone.

DIKGOPOLO TSE DI LENG GONE MO TLHAMONG

Dikgopolo tse di leng gone mo tlhamong e e tsamaisanang le di-WRD tse di oketsegileng tse di akanyeditsweng di tlhalositswe fa fatshe. Di-WRD di tlele go tshwana le tse di setseng di le gone kgotsa tse di setseng di dirisiwa mo moepong.

- Dipalangwa le Thomelo:** Maje a a latlhilweng a tla rwalwa diloring tsa matlakala a moepo mme di isiwe kwa mafelong a a akanyeditsweng a mabolokelo a maje a a latlhilweng, kwa a tla tsennwang mo di-WRD tse di akanyeditsweng. Ditiro le borakonteraka ba Tharisa bat la dirisiwa.
- Tsamaiso ya Mesele ya Metsi:** Dikago tsa tsamaiso ya mesele ya metsi tse di jaaka magora a a tsamaisang kelelo ya metsi go tswa mo di-WRD tse di tla bong di tlhomilwe mo lefelong le le akanyeditsweng la di-WRD. Tsamaiso ya mesele la magora a metsi tse di dikologileng melwane e e mo metlhatlogong e tla kaela metsi a a phepa go elela kgakala le di-WRD.
- Go Baakanya le go Tswala:** Metlhatlogo e e fa thoko ya WRD e tla papatliwa, e jalwe gape dimela go etsa dimela tsa tlhologo tsa mo lefelong leo. Mmu o o fa godimo o o gogotsweng pele ga ditlhabololo tseno o tla dirisiwa go thusa ka kgolo ya dimela.

Setshwantsho 2:
Dintlhakakaretso tsa tiro e e akanyeditsweng ya tiro ya ga jaana



DINTLHAKAKARETSA TSA MOTHEO WA THUTABOTSHELO

- **Thuto ya maje:** Moepo wa Tharisa o fa godimo ga maje a a gotetseng mo Rustenburg Rustenburg Layered Suite (RLS) e e leng karolo ya Bushveld Igneous Complex (BIC).
- **Tlelaemete:** Kgaolo ya Tlelaemete ya Highveld, e e leng tlelaemete e e nang le themperetšha e e thutafetseng. Gantsi pula e na ka matlakadibe tse di nang le dikgadima tse di bogale le diphefo tse di maatla tsa borwa-botlhaba.
- **Popego ya lefatshe:** Megolaganye ya Dithaba tsa Magaliesberg e mo e ka nnang dikilometara di le 2 go tswa go borwa jwa Tharisa Mine. Moepo ono ka boone o sephaphati mme e na le mekgokolosa e e bonolo go ela kwa bokone.
- **Mmu le bokgoni jwa lefatshe:** Tharisa Mine o fa godimo ga maalo a a itsetsepetseng a mmu o o nang le selekanyo se se kwa godimo sa letsopa. Mmu ono o a tle o nne letswai, o nne bokete go ka lema mo go one, e bile ga o gogolege.
- **Metsi a a fa godimo:** Tharisa Mine o mo dikarolong tse di fa godimo tsa bodutelo jwa bone jwa A21K. Lefelo la moepo o tletse ka melatswana e mmalwa le molatswana o o elelang wa Sterkstroom, o o aroganyang dikarolo tsa moepo wa East le West.
- **Metsi a a ka fa tlase ga lefatshe:** Moepo o mo godimo ga mafika a a seng boteng le mo Mafikeng a a boteng a a phatlogileng. Dilekanyo tsa metsi a a ka fa tlase ga lefatshe go dikologa moepo a mo magareng ga dimetara di le 2 go ya go 14 ka fa tlase ga boalo jwa lefatshe.
- **Mefutafuta ya ditshedi (Dithulaganyo tsa Ditshedi Tse di mo Lefatsheng le mo Metsing):** Tharisa Mine e wela mo mefuteng ya dimela tsa Savanna Biome, Central Bushveld Bioregion le tsa Marikana Thornveld, Moot Plains Bushveld le Gold Reef Mountain Bushveld vegetation types. Mefutafuta ya ditshedi tsa tsholego ya kwa moepong e ile ya amiwa ke ditiro tsa moepo le dikago tsa yone, mmogo le ditiro tsa morafe le bolemirui jwa poraefete.
- **Boleng jwa moya:** Metswedi ya bothokwa e e kgotlelang moya e e mo kgaolong ya Rustenburg-Brits mme e akaretsa dintshamosi, mesima ya mosi, kgotsa mesi e mengwe e e tswang kwa ditirong tsa madirelo le meepo.
- **Modumo:** Mafelo a a tshabang thata modumo a akaretsa lefatshe le le dirisetwang mafelo a batho ba nnang kwa go one le a bolemirui, sekolo sa President van Rensburg/Piet Retief le diphologolo. Selekanyo sa modumo mo lefelong la tshwanelo la moepo se iswa kwa godimo ke ditiro tsa ga jaana tse di dirwang mo dikagong tsa moepo, pharakano ya mo mebileng le ditiro tsa morafe ka kakaretso (go akaretsa bolemirui).
- **Ponalo ya lefelo:** Popego ya naga go dikologa moepo wa Tharisa o sephaphati le mekgokolosa e e bonolo ka kakaretso. Lefelo leno le fetogile ka ntlha ya ditiro tsa ga jaana tse di dumeletsweng tsa moepo tsa Tharisa le ditiro tsa temothuo. Popego ya naga eno e na le mekgokolosa e e bonolo e e nang le lekgabana le lennye le le lengwe mmogo le setlhopho sa makgabana a mannye mo Megolanyeng ya Dithabe tsa Magaliesberg jaaka karolo ya bothokwa ya naga ya lefelo leo.

SOCIO-ECONOMIC BASELINE OVERVIEW

- **Ikonomi ya loago:** Porofense ya Bokone Bophirima ke porofense ya bonè go gaisa mo nageng e e neelang mo palogotlheng ya boleng jwa [*gross domestic product (GDP)*] mo Afrika Borwa. Porofense eno e na le GDP ya R55 320 ya go lekanngwa ga palo, mme e tlhagisa 6.7% ya GDP ya Afrika Borwa. Tiro ya moepo, temothuo le go tlhagisa e neelana ka karolo e kgolo ya ditlhagiwa tsa porofense. Kgwebo ya Bojanala ke karolo ya ikonomi ya bonè ka bothokwa mo Porofenseng. Go ne ga fopholediwa gore selekanyo sa bothokatiro mo porofenseng ka 2016 e ne e le 32% (selekanyo seno se kwa godimonyana ga selekanyo sa bothokatiro sa 29% mo Afrika Borwa). Diperesent di le tlhano (5%) ya baagi e bone thuto e kholwane. Mo godimo ga moo, ke fela 35% ya palogotlhe ya baagi mo porofenseng ba nang le thuto ya sekolo se segolwane.
- **Tiriso ya lefatshe:** Lefatshe la mo lefelong la moepo le dirisetwa moepo, bolemirui le mafelo a batho ba nnang gone. Meepo e e bapileng e akaretsa Western Platinum Limited (go ya bokone), Marikana Platinum Mine (go ya bophirima), Salene Mining (go ya Bophirima, ke moepo wa Tharisa) le Samancor le Sogima Mining (go ya botlhaba). Go na le batho ba le mmalwa ba ba dirisang lefatshe ka metlha mo ditirong tsa bolemirui jo bo thusang ka go itshedisa mo gae le/kgotsa bolemirui jwa kgwebo jo bo jaaka diruiwa, go tlhagisa maungo a dinamume le merogo mo lefelong la moepo. Kwantle ga beng ba mafatshe ba poraefete le bahira ba bone, go na le metse e mengwe e e menè (Mmaditlhokwa, Lapologang, Buffelspoort le Elandsdrift) e e lemogilwe mo lefelong le le sekasekwang le go le dikologa.

DINTLHAKAKARETSA TSA MOTHEO WA SETSO

- **Dikungo tsa ngwaoboswa/setso le Thuto ya Maseledi a Dilo Tsa Bogologolo (Palaeontology):** Tharisa e mo Central Bankeveld mo Porofenseng ya Bokone Bophirima mo Afrika Borwa. Moepo ono o kwa bokone jwa Megolaganye ya Dithaba tsa Magaliesberg, e e itseng ka mefuta ya dikungo tse di nonneng le tse di farologaneng ya ngwaoboswa. Mafelo a Motlha wa Maje a gasagane go bapa le megolaganye, gape e bonwa mo magageng le mo mafikeng. Dikungo tse di bothokwa thata tsa ngwaoboswa le tsone di ile tsa lemogiwa mo teng ga lefelo la MR, le le akaretsang mabitla le matlo a a nang le bokao jwa historiki. Mafelo a a nang le maje a a gabilweng a teng gaufi le Maanhaarrand le Rustenburg mo karolong ya bophirima. Tharisa e mo BIC ya RLS, ka jalo go ka se direge gore go nne le masaledi a dilo tsa bogologolo.

DIPHELELO TSE DI KA NNANG GONE TSA THUTABOTSHILO, IKONOMI YA SETSO LE LOAGO TSE DI AMANANG LE TIRO YA BAITSEANAPE

Diphelelo tse di ka nnang gone tse di lemogilweng mme di tla batlisiswa jaaka karolo ya tiro ya go tlhatlhoba tikologo, di tshalositswe mo tafoleng e e fa fatshe. Mo moitseanape a tlhokegang gone, le gone go tshalositswe.

Karolo	Diphelelo tse di ka nnang gone tsa tikologo le ikonomi ya loago	Tiro ya Moitseanape (mo go tlhokegang gone)
Thutabotshelo		
Thuto ya maje	Go tlhatswa ga dikungo.	Tlhatlhobo ya boleng ke EAP
Popego	Seabe sa phetogo ya popego e golagantswe le diphelelo tsa mekgwa ya kelelo ya metsi, le popego ya naga.	
Mmue le bokgoni jwa lefatshe	Go tshwenngwa le go senyega ga dikungo tsa mmu, tatlhegelo ya lefatshe la temothuo.	Tiriso ya Mmu, Lefatshe le Bokgoni Jwa Lefatshe go akaretsa Tlhatlhobo ya Bokgoni Jwa Temothuo
Mefutafuta ya ditshedi – Dithulaganyo tsa Ditshedi Tse di mo Lefatsheng le mo Metsing	Tatlhego e e bonalang le go tshwenngwa ka kakaretso ga mafelo le mefuta ya ditshedi.	Dipatlisiso tsa Ditshedi Tse di mo Lefatsheng le mo Metsing
Metsi a a fa godimo	Go senyega le go fetoga ga mekgwa ya kelelo ya metsi.	Tiro ya go tlhama tsamaiso ya mesele ya metsi le Tlhatlhobo ya Metsi A a fa Godimo
Metsi a a ka fa tlase ga lefatshe	Go senyega ga dikungo.	Patlisiso ya Metsi A a Ka fa Tlase ga Lefatshe le Patlisiso ya Saense ya Maje le Diminerale (<i>Geochemistry</i>)
Boleng Jwa Moya le Modumo	Koketsego ya mosi o ntshiwang le maemo a dilekanyo.	Dipatlisiso tsa Boleng Jwa Moya le Modumo
Ponalo	Seabe sa phetogo ya panalo ya lefelo.	Patlisiso ya Ponalo
Setso		
Dikungo tsa ngwaoboswa/sets o/masaledi a dilo tsa bogologolo	Tatlhegelo kgotsa go senyega ga dikungo.	Dipatlisiso tsa Ngwaoboswa/Setso/Masaledi a Dilo Tsa Bogologolo
Ikonomi ya loago		
Ikonomi ya loago	Tiro e e tswelletseng ya moepo mmogo le diphelelo tsa ikonomi ya loagi tse di amegang.	Tlhatlhobo ya boleng ke EAP

TIRO YA TUMELELO YA TIKOLOLO

Tiro ya tlhatlhobo ya tikologo e neelana ka tshedimosetso e e kaga tsamaiso ya dikarolwana le tikologo e tiro e dirwang mo go yone. E tshwaya le go tlhatlhoba, ka tisanommogo le di-I&AP, diphelelo tse di bosula le tse di molemo mo thutabotshelong (Magato a botlhokwa a tiro ya I&AP a tlhalositswe ka mokwalo o o pududu fa tlase). Gape tsamaiso ya tlhatlhobo ya tikologo e bega ka dikgato tse di tlhokegang mo dithulaganyong tsa go baya leitho (fa di tlhokega) tsa tsamaiso ya go fokotsa diphelelo tsa selekanyo se se amogelesegang. Magato a tsamaiso mmogo le nako e go akannngwang gore e tla tsewa di kwadilwe fa fatshe.

LEGATO I –
Legato la go ikwadisa
(July go ya go Aug 2021)

- Kopano pele ga ikwadiso le molaodi yo o tshwanelegang (DMRE).
- Go romela kopo e e feletseng ya NEMA/ NEM: WA go DMRE.

LEGATO II –
Legato la ntlha la go ikgolaganya le setšhaba
(Aug go ya go Nov 2021)

- Boitshupo jwa di-I&AP le ditlhabololo tse di amegang tsa lenaane la tshedimosetso ya porojeke.
- Dipuisano le di-I&AP (Aug-Oct 2021).
- Itsise di-I&AP tsa porojeke (ka dipapatso mo makwalodikgannyeng, dikitsiso mo lefelong, SMS/ Whatsapp le ka bukana eno) (Oct-Nov 2021).

LEGATO III –
Legato la go tlhatlhoba
(Nov go ya go Mar 2021)

- Rulaganya Pego ya tlhatlhobo le tshobokanyo.
- Phasalatsa Pego ya Tlhatlhobo go di-I&AP gore e sekasekwe (malatsi a le 30 days a go sekaseka) (Jan go ya go Feb 2022).
- Romela Pego ya Tlhatlhobo (e e akaretsang dikakgelo tsa I&AP) go DMRE gore e e sekaseka le go akgela ka yone (malatsi a le 43 a go e sekaseka).

LEGATO III –
Legato la go tlhatlhoba
(March go ya go June 2021)

- Rulaganya EIA le EMPr le tshobokanyo.
- Phasalatsa EIA le EMPr go di-I&AP gore di sekasekwe (malatsi a le 30 a go e sekaseka) (Kwatara ya bo 2 2022 2021).
- Romela EIA le EMPr (e akaretse dikakgelo tsa I&AP) go DMRE gore e dire tshwetso (malatsi a le 107 a go dira tshwetso).

LEGATO IV –
Legato la EIA le EMPr
(Jan go ya go Feb 2022)

- Phasalatsa tshwetso ya DMRE go di-I&AP fa e setse e bonwe.

TIRO YA BOTSAYAKAROLO JWA SETŠHABA

Maikaelelo a botsayakarolo jwa setšhaba ke go itsise di-I&APs ka porojeke e e akanyedittsweng le go di naya tshono ya go tlhagisa dintlha le matshwenyego tse di amanang le porojeke eno e e akanyeditsweng. Tiro ya Botsayakarolo jwa setšhaba e tla dirwa go ya ka dipatlafalo tse di mo Kgaolo 6 ya GNR 982 ya 4 December 2014 (Melao ya EIA), jaaka e fetotswe. Ka ntlha ya dithibelo tsa COVID-19, dipolatelyo tsa internet le tsa ileketeroniki di tla dirisiwa (go ya bokgakaleng jo bo kgonegang) go mekamekana le di-I&AP. Dipolatelyo tseno di tla akaretsa go dirisiwa ga email, SMS, dipolakate, le website ya SLR mmogo le go dirisa website e e sa tlhokeng data e mo go yone batho ba ka kgonang go fitlhelela dipego. Ditiriso tsa dibuelagadimo le dikhaontara tsa tshedimosetso le tsone di tla dirisiwa go itsise di-I&APs ka porojeke e e akanyeditsweng. Di-I&AP tse di amegang mo tirong ya tumelelo ya tikologo di mo lenaaneng le le fa fatshe:

DI-I&AP TSE DI AMEGANG MO TIRONG YA TUMELELO YA TIKOLOGO

BENG BA LEFATSHE, BADIRISI BA LEFATSHE LE DI-I&AP TSE DINGWE

- Beng ba lefatshe le le dikologileng moepo, badirisi ba lefatshe le merafe.
- Mekgatlho e e seng ya puso.
- Meepo le madirelo a a bapileng.
- Ditlamo tsa puso.

BOLAODI JO BO TSHWANELEGANG

- Lefapha la Didirisiwa Tsa Diminerale le Maatla mo Bokone Bophirima (DMRE).

BALAODI BA BA AKGELANG

- Lefapha la Tlhabololo ya Ikonomi, Tikologo, Tshomarelo le Bojanala.
- Lefapha la Tlhabolo ya Metseselegae le Tlhabololo ya Temothuo.
- Lefapha la Dikgwa, Ditlhapi le Tikologo;
- Boto ya Diphaka le Bojanala ya Bokone Bophirima.
- Lefapha la Tlhabololo ya Metseselegae le Kabelano ya Lefatshe – go akaretsa le Mokhomishenara wa Dikopo tsa Lefatshe.

BALAODI BA SELEGAE

- Masepala wa Selegae wa Rustenburg (go akaretsa Mokhanselara wa Wate 32).
- Masepala wa Kgaolo wa Bojanala.

Tsweetswee re itsise fa e le gore go na le batho bape ba bangwe ba ba tshwanetseng go akarediwa.

**THARISA MINERALS (PTY) LTD
BUKANA YA TSHEDIMOSETSO YA LEMORAGO**

**MABOLOKELO A A OKETSEGILENG KWA MOEPONG WA THARISA A MAJE A A LATLHILWENG
NGWANATSELA 2021**

LETLHA		NAKO	
DINTLHA TSA MOTHO YO O AMEGANG E BILE A NA LE KGATLHEGO			
LEINA			
KGATLHEGO MO POROJEKNG E E AKANYEDITSWENG			
ATERESE YA POSO/SETERATA			
		KHOUDU YA POSO	
NOMORO YA GO IKGOLAGANYA KWA TIRONG LE MO GARE GA LETSATS		NOMORO YA FEKESE YA KWA TIRONG LE MO GARE GA LETSATS	
NOMORO YA FOUNO YA SELULA		ATERESE YA E-MAIL	
TWEETSWE NKWADISENG JAKA MOTHO YO O AMEGANG & YO O NANG LE KGATLHEGO (I&AP) GORE KE KGONE GO BONA TSHEDIMOSETSO E E OKETSEGILENG LE DIKITSISO KA NAKO YA FA TIRO YA TLHATHOBO YA DIPHELELO TSA TIKOLOGO E NTSE E TSWELETSE			EE
O KA RATA GO AMOGELA DIKITSISO TSA GAGO JANG?			NNYAA
			E-MAIL
			POSO E E KWADISITSWENG

TWEETSWE KWALA DIKAKGELo LE DIPOTSO TSA GAGO FANO (tweetswee dirisa dishiti tse di farologaneng fa e le gore o ka rata go dira jalo)

TWEETSWE AKARETSA BADIRI KA NNA/DITSALA/BAAGELANI BA ME JAKA DI-I&APS TSA POROJEKE ENO:

Tweetswee romela foromo eno e e tladitsweng go:
Reinett Mogotshi
SLR Consulting (South Africa) (Pty) Ltd
(011) 467 0945
rmogotshi@slrconsulting.com

RE LEBOGA GO NNA LE SEABE GA GAGO!!!

THARISA MINERALS (EDMS.) BPK. AGTERGRONDINLIGTINGSDOKUMENT

BYKOMENDE BERGING VAN AFVALKLIP BY DIE THARISA-MYN

APRIL 2022

INLEIDING

Tharisa Minerals (Edms.) Bpk. (Tharisa) is 'n oopgroefmynboubedryf wat chroom- en platinumgroepmetaalkonsentraat (PGM) produseer. Die oopgroefmyn is geleë op die plaas 342 JQ en Elandsdrift 467 JQ naby die dorp Marikana in die Bojanala Distriksmunisipaliteit en Rustenburg Plaaslike Munisipaliteit, Noordwes-provinsie.

Tharisa beskik oor bestaande Omgewingsmagtigings (OM's) en lisensies ingevolge die Wet op die Ontwikkeling van Minerale en Petroleum Hulpbronne, Wet 28 van 2002 (MPRDA), die Nasionale Wet op Omgewingsbestuur, Wet 107 van 1998 (NEMA), die Nasionale Wet op Omgewingsbestuur: Afval, Wet 59 van 2008 (NEM:WA) en die Nasionale Waterwet, Wet 36 van 1998 (NWW).

Mynbou word in twee mynhouseksies onderneem, naamlik die Oos- en Wesmyn, deur gebruik te maak van konvensionele oopgroefvragmotor- en graafmetodes. Afvalklip uit die oopgroefgebiede word óf op afvalkliphope (WRD's – *waste rock dumps*) opgegaan óf as deel van gelyktydige rehabilitasie in die oopgroef teruggevuul.

As deel van sy voortgesette mynbeplanning het Tharisa die behoefte aan bykomende berging van afvalklip en spoelsels op die terrein geïdentifiseer. In hierdie verband, stel Tharisa voor om:

- 'n reeds goedgekeurde WRD uit te brei;
- WRD's bo-op teruggevuulde gedeeltes van die Oos- en Wes-groef te vestig; en
- die kapasiteit van bestaande bergingsfasiliteite vir spoelsels (TSF's) te verhoog deur n' toename in hoegte.

OMGEWINGSMAGTIGINGSPROSES

Vóór die aanvang van die voorgestelde projek, word die volgende vereis:

- 'n Gewysigde Omgewingsbestuursprogram (OBPr) van die Departement van Minerale Hulpbronne en Energie (DMHE) af ingevolge Artikel 102 van die MPRDA.
- 'n OM ingevolge NEMA vir aktiwiteite in Lyskennisgewing 1 (Staatskennisgewing R983 van 2014) en Lyskennisgewing 3 (Staatskennisgewing R985 van 2014) soos gewysig, by die DMHE. Die Regulasies op Omgewingsimpakevaluering (OIE-regulasies) wat gevolg word, is Staatskennisgewing R982 van 4 Desember 2014, soos gewysig.
- 'n Afvalbestuurslisensie ingevolge die NEM:WA vir aktiwiteite met betrekking tot afval in Kategorie B (Staatskennisgewing R921 van 2013), soos gewysig.

Die vereiste omgewingsevalueringproses sluit 'n aansoek-, bestekopname- en OIE- & OBPr-fase in. SLR Consulting (South Africa) (Edms.) Bpk. (SLR), 'n onafhanklike firma van omgewingskonsultante, is deur Tharisa aangestel om die omgewingsmagtigingsproses te bestuur.

DOEL VAN HIERDIE DOKUMENT

Hierdie dokument is opgestel om u toe te lig oor:

- die voorgestelde projek;
- die projekalternatiewe wat oorweging geniet;
- die biofisiese, kulturele en sosio-ekonomiese grondlynomgewing van die projekgebied;
- die omgewingsevalueringprosesse wat gevolg word;
- moontlike biofisiese, kulturele en sosio-ekonomiese impakte en verwante spesialisinsette; en
- hoe u insette in die omgewingsevaluering-proses kan lewer.

U ROL

U is as 'n belangstellende en geaffekteerde party (B&GP) geïdentifiseer wat moontlik ingelig wil word oor die voorgestelde projek en insae in die omgewingsmagtigingsproses en -verslae wil hê. U het 'n geleentheid om hierdie dokument na te gaan en om u aanvanklike kommentaar aan SLR te stuur vir insluiting in die omgewingsevaluering-proses. U sal ook die geleentheid kry om die Bestekopnameverslag en OIE & OBPr na te gaan en om kommentaar daarop te lewer.

Alle kommentaar sal aangeteken en ingesluit word in die verslae wat ingedien gaan word vir besluitneming.

COVID-19-BEPERKINGS:

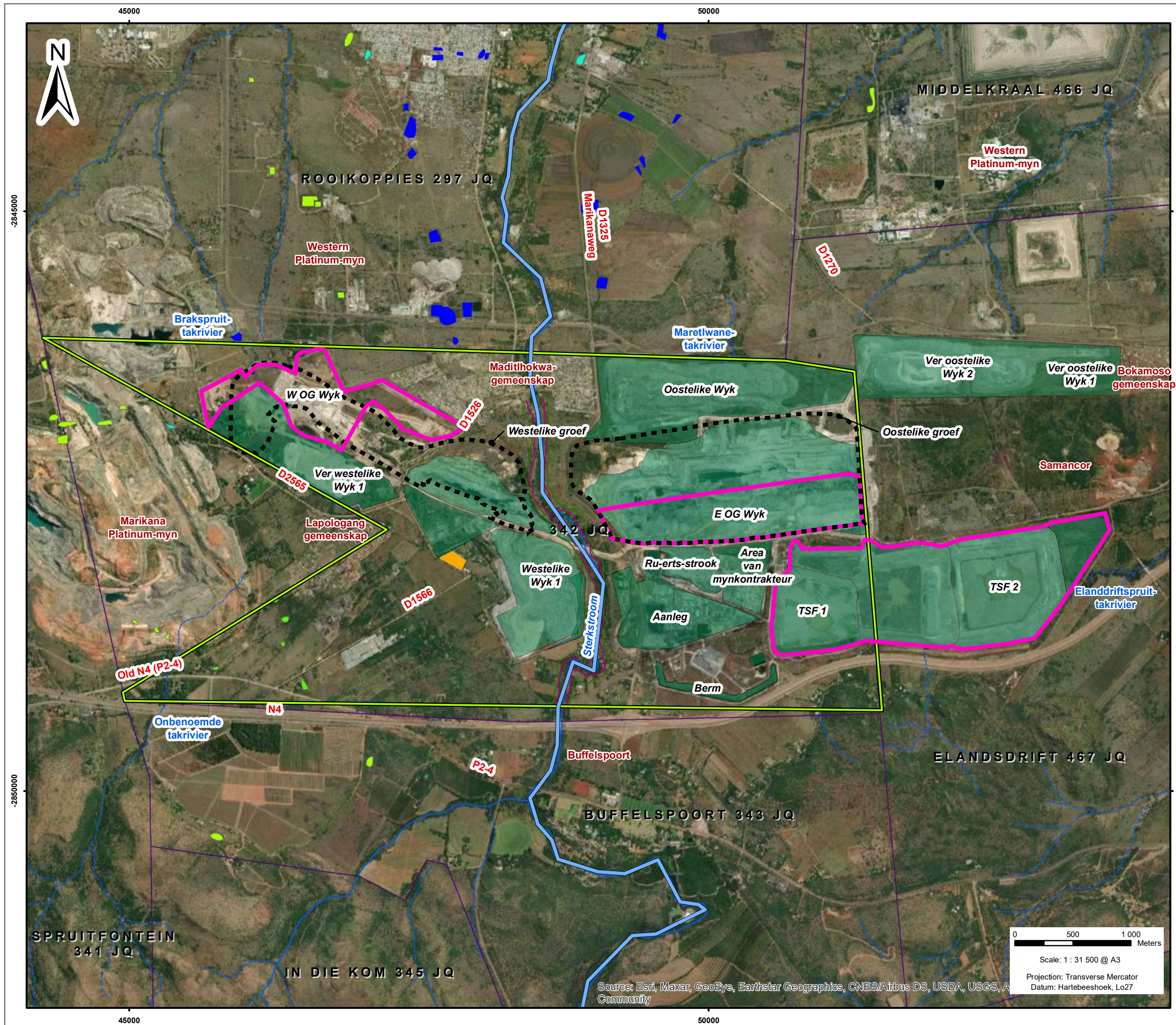
Weens COVID-19-beperrings, sal aanlyn- en digitale platforms (sover moontlik) gebruik word om met B&GP's te skakel.

HOE OM TE REAGEER:

Reaksie op hierdie dokument kan by wyse van die aangehegte kommentaarvorm en/of deur kommunikasie met die onderstaande persoon ingedien word.

WIE OM TE KONTAK:

Reinett Mogotshi
Tel: 011 467 0945 of
E-pos: rmogotshi@slrconsulting.com



- Legend**
- Tharisa-mynreggebied
 - Omvang van finale groef
 - Voorgestelde projek komponente
 - Myn en verwante gebiede
 - Skool en begraafplaas
 - Plaasgrense
 - Riviere - Standhoudend
 - Riviere - Niestandhoudend
 - 1:100 Vloedlyne
 - Streeks maksimum vloedlyne
 - NFEPA Riviere
 - Klas C: Matig gewisig
 - NFEPA Vleilande
 - Flat
 - Unchannelled valley-bottom wetland
 - Valleyhead seep

THARISA MINERALS (Pty) Ltd

Figuur 1
Plaaslike Ongewing



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720.20002.00065

2022/04/11

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, A Community

OORSIG VAN BESTAANDE BEDRYGWIGHEDE

Tharisa bedryf tans die Tharisa-myn, wat chroom en PGM-konsentrate produseer en sedert 2008 in bedryf staan. Mynbou word in twee mynbouseksies onderneem, naamlik die Oos- en Wesmyn. Die twee mynbouseksies word deur die Sterkstroomrivier en die D1325 (Marikanapad) geskei (Figuur 1). Belangrike myninfrastruktuur sluit in vervoerpaaië, onbehandelde erts, produk- en bogrondvoorraadstapels, 'n konsentrator-kompleks, WRD's, TSF's en steuninfrastruktuur soos kantore, werksinkels, kleedkamers en toegangsbeheerfasiliteite.

Die hoëvlakproses vir die bestaande bedrywighede word hieronder in Figuur 2 beskryf:

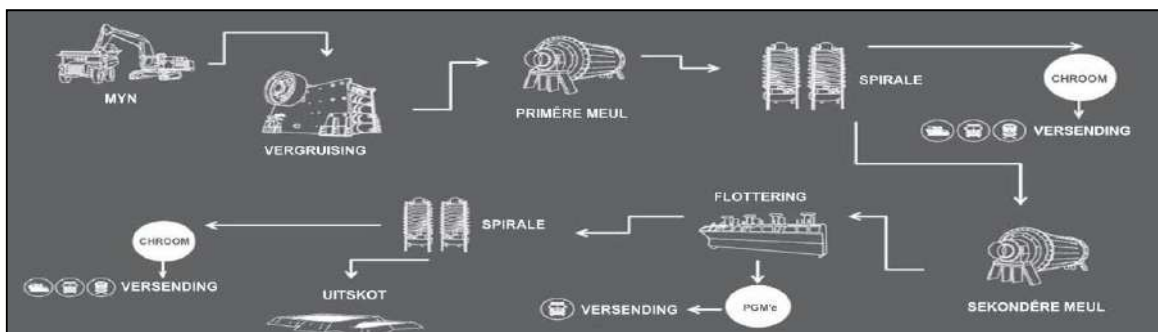
1. Mynbou geskied aan die hand van 'n konvensionele oopgroef vragmotor- en graafmetode. Bogrond word apart opgehoop en afvalklip word op die WRD's gestort.
2. PGM en chroomerts word by die konsentratoraanleg verwerk, waar die erts onderwerp word aan vergruising, sifting, maal, spirale en flottering.
3. Verwerkte PGM-materiaal word na 'n verdikker toe gestuur, waarna platinumkonsentraat versend word om aan derdepartye te verkoop.
4. Verwerkte chroommateriaal word na 'n verdikker toe gestuur, waarna chroomkonsentraat versend word om aan derdepartye te verkoop.
5. Spoelselmateriaal word na die TSF toe gestuur vir wegdoening.

OORSIG VAN DIE VOORGESTELDE PROJIEK

As deel van sy voortgesette mynbeplanning het Tharisa die behoefte aan bykomende berging van afvalklip op die terrein geïdentifiseer. In hierdie verband, is Tharisa van voorneme om (sien Figuur 1):

- 'n reeds goedgekeurde WRD uit te brei – word Westelike Bogrondse WRD (W OG WRD) genoem;
- afvalklip bo-op teruggevalde gedeeltes van die Wes- en Oosgroef te vestig – Oostelike Bogrondse WRD (E OG WRD) en Westelike Bogrondse WRD (W OG WRD); en
- die kapasiteit van die bestaande TSF's te verhoog deur n' toename in hoogte – word TSF1 en TSF2 genoem.

Figuur 2: Oorsig van huidige bedryf se konsepproses



PROJEKALTERNATIEWE

Die voorgestelde WRD's is almal in die bestaande Tharisa Mynreggebied (MR) geleë. Die Westelike Bogrondse WRD sal inbreuk maak op die Maditlhokwa-gemeenskap. Die Tharisa-myn word ook aan die westelike, noordelike en oostelike grense van die MR-gebied begrens deur ander mynboumaatskappye (Western Platinummyn, Marikana Platinummyn en Samancor). Die N4 en boeregemeenskap van Buffelspoort is suid van die Tharisa-myn geleë. Die projekkomponente sal op reeds versteurde gebiede geplaas word, wat die projek se voetspoor gevolglik beperk. Gevolglik is geen alternatief vir die ligging van die voorgestelde projekkomponente vir die voorgestelde projek oorweeg nie.

KONSEPTUELE ONTWERPSKENMERKE

Konseptuele ontwerpkenmerke wat verband hou met die voorgestelde bykomende WRD's word hieronder verskaf. Die WRD's sal soortgelyk wees aan dié wat reeds by die myn bestaan of in bedryf staan.

- **Vervoer en plasing:** Afvalklip sal op mynstortbakvragmotors gelaai en na die voorgestelde afvalklipbergingssterreine toe vervoer word, waar dit gestort en op die voorgestelde WRD's gestoot sal word. Die spoelselmateriaal sal na die bestaande spoelseldam via bestaande infrastruktuur gepomp word. Tharisa-bedrywighede en kontrakteurs sal gebruik word.
- **Stormwaterbestuur:** Infrastruktuur vir stormwaterbestuur, soos berms om die voorgestelde WRD's se afloop te beheer, sal rondom die voorgestelde WRD's se grens gevestig word. Stormwaterslote en berms rondom die WRD's se grense stroomop, sal skoon stormwaterafloop om en weg van die WRD's af lei. Bestaande infrastruktuur vir stormwaterbestuur wat tans in plek is by TS F1 en TSF 2 sal steeds gebruik word.
- **Rehabilitasie en sluiting:** WRD-syhellings sal afgeplat en herbepant word om die plantegroei van natuurlike topografiese kenmerke in die gebied na te boots. Bogrond wat vóór ontwikkeling afgestroop is, sal gebruik word om die groeimedium te voorsien. TSF 1 en TSF 2 sal met bogrond toegemaak en weer met plantegroei bedek word.

OORSIG VAN BIOFISIIESE GRONDLYN

- **Geologie:** Die Tharisa-myn word onderlê deur stollingsgesteentes van die Rustenburg Gelaagde Suite (RLS) wat deel vorm van die Bosveld Stollingskompleks (BIC).
- **Klimaat:** Hoëveld klimaatsone, wat 'n warm, gematigde klimaat is. Reënval is oor die algemeen in die vorm van donderstorms wat van hoë intensiteit kan wees, met weerlig en sterk suidoostelike rukwinde.
- **Topografie:** Die Magaliesberg-reeks is sowat 2 km suid van die Tharisa-myn af geleë. Die myn self is op 'n betreklik plat vlakte met 'n geleidelike helling na die noorde toe geleë.
- **Grondsoorte en grondvermoë:** Die Tharisa-myn word onderlê deur swaar gestruktureerde grondsoorte met 'n hoë klei-inhoud. Hierdie grondsoorte is geneig om soutiger van aard te wees, is moeilik om te bewerk en is nie geneig tot erosie nie.
- **Oppervlaktwater:** Die Tharisa-myn is geleë op die boonste uithoeke van die A21K-kwaternêre opvangsgebied. Die mynbougebied word oorheers deur nie-standhoudende sytakke en die standhoudende Sterkstroom, wat die Oos- en Wes-mynbougebied skei.
- **Grondwater:** Die myn word onderlê deur 'n vlak, verweerde boonste akwifer en 'n dieper, gebreekte akwifer; grondwatervlakke in die omgewing van die myn wissel tussen 2 en 14 meter onder grondvlak.
- **Biodiversiteit (terrestriële en akwatiese stelsels):** Die Tharisa-myn val in die Savanna-bloom, die Sentrale Bosveld Biostreek en in die Marikana Doringveld, Moot Vlaktesbosveld en Gold Reef Bergbosveld plantegroei-soorte. Natuurlike biodiversiteit by die myn is beïnvloed deur hul mynboubedrywighede en infrastruktuur, gemeenskaps- en privaatboerderybedrywighede.
- **Luggehalte:** Daar is beduidende bronne van lugbesoedeling in die Rustenburg-Britsstreek, wat skoorsteen-, ventilasie- en vlugtige emissies van nywerheids- en mynboubedrywighede insluit.
- **Geraas:** Potensieële sensitiewe geraasreseptors sluit omliggende residensiële en landbougrondgebruike, die President van Rensburg/Piet Retief-skool en diere in. Die omgewingsgeraas in die mynreggebied word verhoog deur huidige mynbou-infrastruktuurbedrywighede, padverkeer en algemene gemeenskapsbedrywighede (boerdery inkluis).
- **Visueel:** Die landskapkenmerk op die Tharisa-myn is 'n betreklik plat vlakte met geleidelike hellings; die gebied is getransformeer as gevolg van Tharisa se tansgoedgekeurde mynbou-infrastruktuur en landboubedrywighede. Die landskapkenmerk bestaan uit geleidelike golwende vlaktes met enkele en groepies kleiner koppies met die Magaliesberg-reeks as die vernaamste topografiese kenmerk in die gebied.

OORSIG VAN SOSIO-EKONOMIESE GRONDLYN

- **Sosio-ekonomies:** Die Noordwes-provinsie is Suid-Afrika se vierde grootste provinsiale bydraer tot die bruto binnelandse produk (BBP). Die provinsie het 'n BBP van R55 320 per capita en produseer 6,7% van Suid-Afrika se BBP. Mynbou, landbou en vervaardiging dra by tot die grootste gedeelte van provinsiale uitset. Toerisme is die vierde belangrikste ekonomiese sektor in die provinsie. Daar is beraam dat die provinsie se werkloosheidsyfer in 2016 32% was (dit is effens hoër as Suid-Afrika se huidige werkloosheidsyfer van 29%).
- Vyf persent (5%) van die bevolking het tersiêre opleiding. Voorts het slegs 35% van die totale bevolking in die provinsie sekondêre onderrig gehad.
- **Grondgebruik:** Die grondgebruik in die myngebied is 'n mengsel van mynbou, boerdery en residensiële. Naburige myne sluit in Western Platinum Beperk (in die noorde), Marikana Platinummyn (in die weste), Salene Mining (in die weste, besit deur Tharisa) en Samancor en Sogima Mining (in die ooste). Daar is 'n aantal grondgebruikers wat aktief betrokke is by bestaans- en/of kommersiële boerderybedrywighede soos vee en die verbouing van sitrusvrugte en groente in die omgewing van die myn. Benewens privaatgrondeienaars en hul huurders, is vier nedersettings (Mmaditlhokwa, Lapologang, Buffelspoort en Elandsdrift) in en om die studiegebied geïdentifiseer.

OORSIG VAN KULTURELE GRONDLYN

- **Erfenis-/Kultuurhulpbronne en paleontologie:** Tharisa is geleë in Suid-Afrika se Sentrale Bankeveld van die Noordwes-provinsie. Die myn is noord van die Magaliesberg-reeks, wat bekend is vir sy ryk en uiteenlopende verskeidenheid erfenishulpbronne, geleë. Steentydperkterreine is met die Reeks langs versprei en word ook in grotte en rotsskuilings aangetref. Erfenishulpbronne van wesenlike betekenis is ook in die MR-gebied geïdentifiseer, wat grafte en huise van geskiedkundige belang insluit. Terreine met rotsgraverings is verder na Maanhaarrand en Rustenburg in die weste toe geleë. Tharisa is geleë op die Bosveld Stollingskompleks van die Rustenburg Gelaagde Suite, gevolglik is daar geen kans vir paleontologiese hulpbronne nie.

POTENSIËLE BIOFISIËSE, KULTURELE EN SOSIO-EKONOMIESE IMPAKTE EN VERWANTE SPESIALISINSETTE

Potensiële impakte wat geïdentifiseer is en as deel van die omgewingsevalueringproses ondersoek sal word, verskyn in die tabel hieronder. Waar spesialisinsette vereis word, is dit ook aangedui.

Aspek	Potensiële omgewings- en sosio-ekonomiese impakte	Spesialisinset (waar vereis)
Biofisies		
Geologie	Sterilisering van hulpbronne.	Kwalitatiewe evaluering deur OEP
Topografie	Bydrae tot verandering van topografie wat verband hou met impakte op dreineringspatrone, visuele landskap.	
Grondsoorte en grondvermoë	Fisiese versteuring en kontaminasie van grondhulpbronne, verlies van landbougrond.	Studie van grondsoorte, -gebruik en -vermoë; met insluiting van evaluering van landboupotensiaal
Biodiversiteit – terrestriël en akwaties	Fisiese verlies en algemene versteuring van habitatte en spesies.	Studies van terrestriële en akwatiese biodiversiteit
Oppervlakwater	Kontaminasie en verandering van dreineringspatrone.	Ontwerp van stormwaterbestuur
Grondwater	Kontaminasie van hulpbronne.	Studie van grondwater en geochemie
Luggehalte en geraas	Toename in emissies en omgewingsvlakke.	Studies van luggehalte en geraas
Visueel	Bydrae tot verandering van visuele landskap.	Visuele studie
Kultuur		
Erfenis-/Kultuur-/Paleontologiese hulpbronne	Verlies van of skade aan hulpbronne.	Erfenis-/Kultuur-/Paleontologiese studies
Sosio-ekonomies		
Sosio-ekonomies	Voortgesette bedryf van die myn en verwante sosio-ekonomiese impakte.	Kwalitatiewe evaluering deur OEP

OMGEWINGSMAGTIGINGSPROSES

Die omgewingsevalueringproses bied inligting betreffende prosedurele komponente en die omgewing waarin dit onderneem word. In oorleg met B&GP's, identifiseer en evalueer dit die negatiewe en positiewe biofisiese en sosio-ekonomiese impakte (**Belangrike B&GP-insetstadiums verskyn in blou teks hieronder**). Die omgewingsevalueringproses doen ook verslag oor bestuursmaatreëls wat benodig is om impakte tot op 'n aanvaarbare vlak te versag en inkorporeer vereistes vir moniteringsprogramme (waar vereis). Die proses se stappe en beraamde tydsraamwerke verskyn hieronder.



OPENBARE DEELNAMEPROSES

Die doel van die openbare deelnameproses is om B&GP's in kennis te stel van die voorgestelde projek en om hulle die geleentheid te bied om kwessies of knelpunte met betrekking tot die voorgestelde projek te opper. Die openbare deelnameproses sal onderneem word ingevolge die vereistes van Hoofstuk 6 van Staatskennisgewing R982 van 4 Desember 2014 (OIE-regulasies), soos gewysig. Weens COVID-19-beperkings, sal aanlyn- en digitale platforms (sover moontlik) gebruik word om met B&GP's te skakel. Hierdie platforms sal 'n kombinasie van e-pos, SMS, plakkaat en toegang tot SLR se datavrye webwerf insluit waar toegang tot verslae gekry kan word. Luidsprekerdienste en inligtingshokkies sal ook gebruik word om B&GP's oor die voorgestelde projek in te lig. B&GP's wat betrokke is by die omgewingsmagtigingsproses, word hieronder gelys:

B&GP'S WAT BETROKKE IS BY DIE OMGEWINGSEVALUERINGSPROSES

GRONDEIENAARS, GRONDGEBRUIKERS EN ANDER B&GP'S

- Omliggende grondeienaars, grondgebruikers en gemeenskappe.
- Nie-regeringsorganisasies en verenigings.
- Omliggende myne en nywerhede.
- Semi-staatsinstansies.

BEVOEGDE OWERHEID

- Noordwes Departement van Minerale Hulpbronne en Energie (DMHE).

OWERHEDE WAT KOMMENTAAR LEWER

- Departement van Ekonomiese Ontwikkeling, Omgewingsake en Toerisme.
- Departement van Landelike Omgewing en Landbou-ontwikkeling.
- Departement van Bosbou, Visserye en Omgewingsake;
- Noordwes Parke- en Toerismeraad.
- Departement van Landelike Ontwikkeling en Grondhervorming – met insluiting van die Kommissaris van Grondeise.

PLAASLIKE OWERHEDE

- Rustenburg Plaaslike Munisipaliteit (met insluiting van Wyk 32 se wyksraadslid).
- Bojanala Distriksmunisipaliteit.

Laat ons asseblief weet as daar nog partye is wat betrokke moet wees.

THARISA MINERALS (EDMS.) BPK.
AGTERGRONDINLIGTINGSDOKUMENT

BYKOMENDE BERGING VAN AFVALKLIP BY DIE THARISA-MYN
APRIL 2022

DATUM		TYD	
BESONDERHEDE VAN BELANGSTELLE ENDE EN GEAFFEKTEERDE PARTY			
NAAM			
BELANG BY DIE VOORGESTELDE PROJEK			
POS-/STRAATADRES			
		POSKODE	
TELEFOONNOMMER BY DIE WERK/BEDAGS		FAKSNOMMER BY DIE WERK/BEDAGS	
SELFOONNOMMER		E-POSADRES	
REGISTREER MY ASSEBLIEF AS 'N BELANGSTELLE ENDE EN GEAFFEKTEERDE PARTY (B&GP) SODAT EK VERDERE INLIGTING EN KENNISGEWINGS TYDENS DIE OMGEWINGSIMPAAKEVALUERINGSPROSES KAN ONTVANG.	JA	NEE	
HOE WIL U KENNISGEWINGS ONTVANG?	E-POS		
	GEREGISTREERDE POS		

SKRYF U KOMMENTAAR EN VRAE ASSEBLIEF HIER NEER (gebruik gerus aparte bladsye as u wil)

--

SLUIT ASSEBLIEF DIE VOLGENDE VAN MY KOLLEGAS/VRIENDE/BURE IN AS B&GP'S VIR HIERDIE PROJEK:

--

Stuur ingevulde vorms asseblief terug aan:

Deur u persoonlike inligting te verskaf om as 'n B&GP vir hierdie projek geregistreer te word, stem u in dat SLR u inligting ingevolge die Wet op Beskerming van Persoonlike Inligting, Wet 4 van 2013 bestuur. Dit sluit in: die behoud en gebruik van u Persoonlike Inligting as deel van 'n kontakdatabasis vir hierdie en/of ander OSIE's, om u te kontak in verband met hierdie en/of ander OSIE-prosesse, om die databasis vir wetlike doeleindes aan ander gemagtigde partye bekend te maak, insluitend die aansoeker, en om enige korrespondensie by die OSIE-verslae in te sluit. U kan, deur vir SLR te kontak, enige tyd versoek dat u Persoonlike Inligting uit die projekdatabasis verwyder word of dat u kommentaar nie by OSIE-verslae ingesluit word nie.

Reinett Mogotshi
SLR Consulting (South Africa) (Edms.) Bpk.
Tel: 011 467 0945
E-pos: rmogotshi@slrconsulting.com

DANKIE VIR U BYDRAE!!!

THARISA MINERALS (PTY) LTD BACKGROUND INFORMATION DOCUMENT

ADDITIONAL WASTE STORAGE AT THE THARISA MINE

APRIL 2022

INTRODUCTION

Tharisa Minerals (Pty) Ltd (Tharisa) is an opencast mining operation that produces chrome and platinum group metals (PGM) concentrate. The opencast mine is located on the farms 342 JQ and Elandsdrift 467 JQ near the town of Marikana in the Bojanala District Municipality and Rustenburg Local Municipality, North West Province.

Tharisa holds existing environmental authorisations (EAs) and licenses under the Mineral and Petroleum Resources Development Act, 28 of 2002 (MPRDA), the National Environmental Management Act, 107 of 1998 (NEMA), the National Environmental Management: Waste Act 59 of 2008 (NEM: WA) and the National Water Act, 36 of 1998 (NWA).

Mining is undertaken, in two mining sections, namely the East Mine and West Mine, using conventional open pit truck and shovel methods. Waste rock from the open pit areas is either stockpiled on waste rock dumps (WRD's) or backfilled into the open pits as part of concurrent rehabilitation.

As part of its on-going mine planning Tharisa has identified the need for additional waste rock and tailings storage on site. In this regard, Tharisa is proposing to:

- extend a previously approved WRD;
- establish WRDs above backfilled portions of the East and West pits; and
- an increase in the capacity of existing tailings storage facilities (TSFs) by means of self-raising or other.

ENVIRONMENTAL AUTHORISATION PROCESS

Prior to the commencement of the proposed project the following is required:

- an amended Environmental Management Programme (EMPr) in terms of Section 102 of the MPRDA from the Department of Mineral Resources and Energy (DMRE).
- an EA in terms of the NEMA for activities in Listing Notice 1 (Government Notice Regulation (GNR) 983 of 2014), and Listing Notice 3 (GNR 985 of 2014), as amended, from the DMRE. The Environmental Impact Assessment (EIA) Regulations being followed are GNR 982 of 4 December 2014, as amended.
- a Waste Management Licence in terms of the NEM:WA for waste activities in Category B (GNR 921 of 2013), as amended.

The environmental assessment process required, includes an application phase, scoping phase, and an EIA and EMPr phase. SLR Consulting (South Africa) (Pty) Ltd (SLR), an independent firm of environmental consultants, has been appointed by Tharisa to manage the environmental authorisation process.

PURPOSE OF THIS DOCUMENT

This document has been prepared to inform you about:

- The proposed project;
- The project alternatives considered;
- The biophysical, cultural and socio-economic baseline environment of the project area;
- The environmental assessment processes being followed;
- Possible biophysical, cultural and socio-economic impacts and related specialist input; and
- How you can have input into the environmental assessment process.

YOUR ROLE

You have been identified as an interested and affected party (I&AP) who may want to be informed about the proposed project and have input into the environmental authorisation process and reports.

You have an opportunity to review this document and to provide your initial comments to SLR for incorporation in the environmental assessment process. You will also be given the opportunity to review and comment on the Scoping Report and EIA & EMPr.

All comments will be recorded and included in the reports submitted for decision-making.

COVID-19 RESTRICTIONS

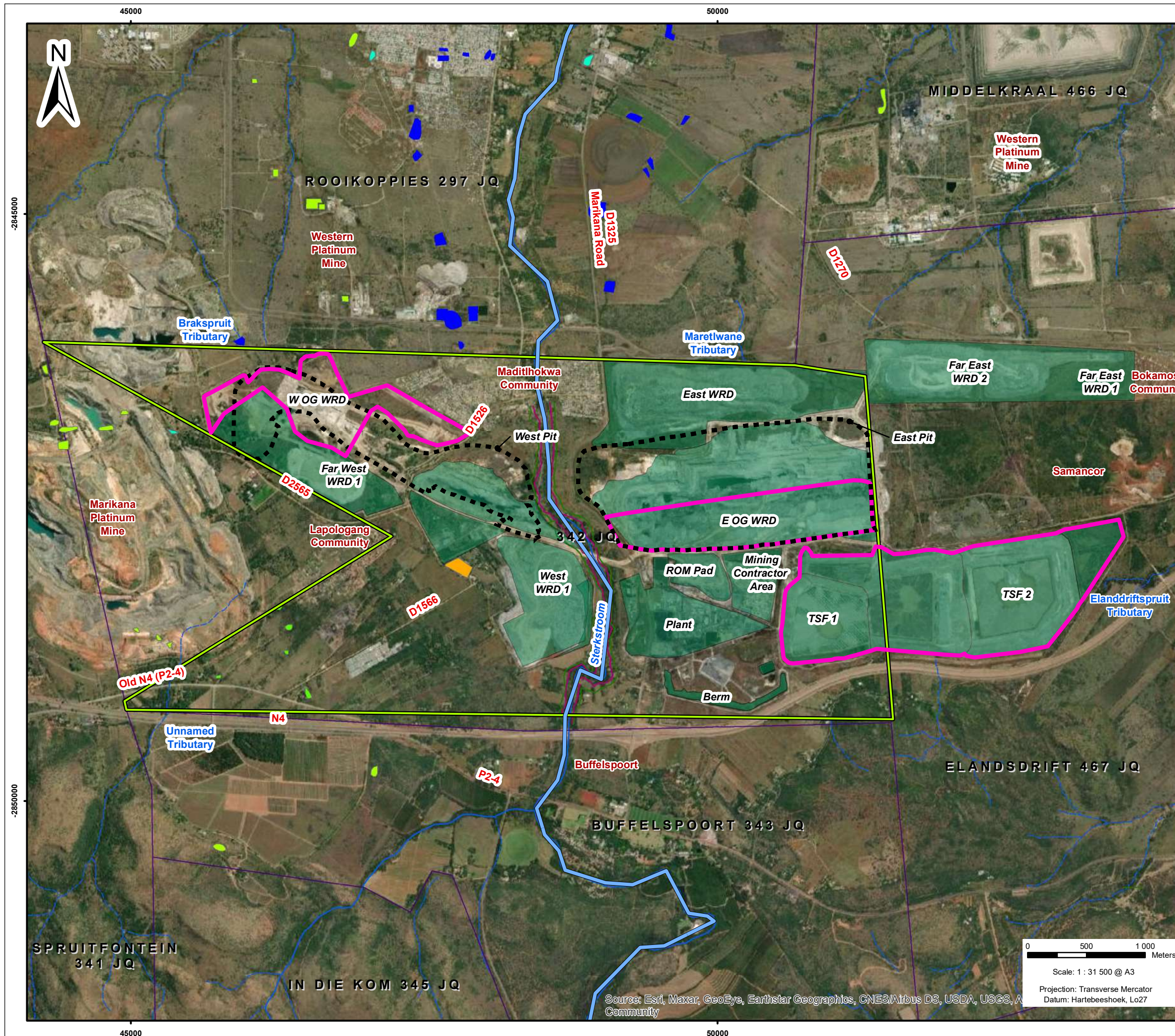
Due to COVID-19 restrictions, online and digital platforms will be utilised (as far as possible) to engage with I&APs.

HOW TO RESPOND:

Responses to this document can be submitted by means of the attached comments sheet and/or through communication with the person listed below.

WHO TO CONTACT:

Reinett Mogotshi
(011) 467 0945 (Tel) or
rmogotshi@slrconsulting.com



- Legend**
- Tharisa Mining Right
 - Final Pit Extent
 - Proposed Project Components
 - Mining and Related
 - School and Graveyard
 - Farm Boundaries
 - Rivers - Perennial
 - Rivers - Non-Perennial
 - 1:100 Floodlines
 - Regional Maximum Floodlines
 - NFEPA Rivers
 - CLASS C: Moderately Modified
 - NFEPA Wetlands
 - Flat
 - Unchannelled valley-bottom wetland
 - Valleyhead seep

THARISA MINERALS (Pty) Ltd

Figure 1
Local Setting



SLR Consulting (Africa) (Pty) Ltd
P O Box 1596, Cramerville, 2060, South Africa
Tel: +27 (11) 467-0945 Fax: +27 (11) 467-0978

0 500 1 000 Meters
Scale: 1 : 31 500 @ A3
Projection: Transverse Mercator
Datum: Hartbeeshoek, Lo27

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, A Community

OVERVIEW OF EXISTING OPERATIONS

Tharisa currently operates the Tharisa Mine, producing chrome and PGM concentrates and has been operational since 2008. Mining is undertaken in two mining sections, namely the East Mine and West Mine. The two mining sections are separated by the Sterkstroom River and the D1325 (Marikana Road) (Figure 1). Key mine infrastructure includes haul roads, run-of mine, product and topsoil stockpiles, a concentrator complex, WRDs, TSFs and supporting infrastructure such as offices, workshops, change house, and access control facilities.

The high-level process for the existing operations is described below and depicted in Figure 2:

1. Mining is done via a conventional open pit truck and shovel method. Topsoil is stockpiled separately and waste rock disposed of on WRDs.
2. PGM and chrome ore is processed at the concentrator plant where the ore is subjected to crushing and screening, milling, spirals and floatation.
3. Processed PGM material is sent to a thickener, whereafter platinum concentrate is dispatched for sale to third parties.
4. Processed chrome material is sent to a thickener whereafter, chrome concentrate is dispatched for sale to third parties.
5. Tailings material is sent to the TSF for disposal.

OVERVIEW OF THE PROPOSED PROJECT

As part of its on-going mine planning Tharisa has identified the need for additional waste storage on site. In this regard, Tharisa is proposing to (see Figure 1):

- Extend a previously approved WRD – referred to as West Above Ground WRD (W OG WRD);
- Establish waste rock above backfilled portions of the West and East pits – East Above Ground WRD (E OG WRD) and West Above Ground WRD (W OG WRD); and
- Increase the capacity of the existing TSFs – referred to as TSF 1 and TSF2 by means of self-raising.

The proposed WRDs are all located within the existing Tharisa Mining Right (MR) area. The West Above Ground WRD will encroach on the community Madithokwa,

PROJECT ALTERNATIVES

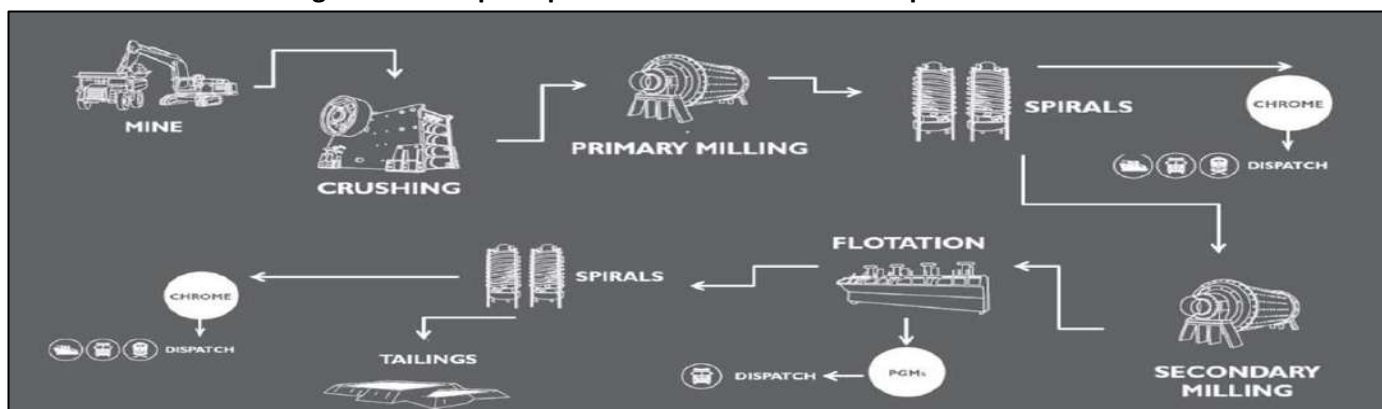
The Tharisa Mine is also bordered by other mining companies (Western Platinum Mine, Marikana Platinum Mine and Samancor) on the West, North and Eastern boundaries of the Tharisa MR area. The N4 and farming community of Buffelspoort are located to the South of the Tharisa Mine. The project components will be placed on previously disturbed areas, thereby minimising the project footprint. It follows that no alternative for the location of the proposed project components have been considered for the proposed project.

CONCEPTUAL DESIGN FEATURES

Conceptual design features associated with the proposed additional WRDs are provided below. The WRDs will be similar to those already existing or in operation at the mine.

- **Transport and Placement:** Waste rock will be loaded into mining dump trucks and hauled to the proposed waste rock storage sites where it will be tipped and dozed onto the proposed WRDs. Tailings material will be pumped to the existing tailings dam via existing infrastructure. Tharisa operations and contractors will be utilised.
- **Stormwater Management:** Stormwater management infrastructure such as berms to manage run-off from the proposed WRDs will be established around the perimeter of the proposed WRDs. Stormwater trenches and berms around the upstream boundaries of the WRDs will direct clean stormwater run-off around and away from the WRDs. Existing stormwater management infrastructure currently in place at TSF 1 and TSF 2 will continue to be used.
- **Rehabilitation and Closure:** WRD side slopes will be flattened, and re-vegetated to mimic the vegetation cover of natural topographical features in the area. Topsoil stripped prior to development will be used to provide the growth medium. TSF 1 and TSF 2 will be capped with topsoil and revegetated.

Figure 2: Conceptual process overview of current operation



BIOPHYSICAL BASELINE OVERVIEW

- **Geology:** The Tharisa mine is underlain by igneous rocks of the Rustenburg Layered Suite (RLS) which forms part of the Bushveld Igneous Complex (BIC).
- **Climate:** Highveld Climatic Zone, which is a warm temperate climate. Rainfall is generally in the form of thunderstorms which can be of high intensity with lightning and strong gusty south-easterly winds.
- **Topography:** The Magaliesberg Mountain range lies approximately 2 km to the south of the Tharisa Mine. The mine itself lies on a relatively flat plain with a gentle slope down towards the north.
- **Soils and land capability:** The Tharisa Mine is underlain by heavy structured soils with high clay content. These soils tend to be saline in character, are difficult cultivate and are not prone to erosion.
- **Surface water:** The Tharisa Mine is located within the upper reaches of the A21K quaternary catchment. The mining area is dominated by non-perennial tributaries and the perennial Sterkstroom, which separates the East and West mining areas.
- **Groundwater:** The mine is underlain by a shallow upper weathered aquifer and a deeper fractured aquifer, Groundwater levels within the vicinity of the mine ranges between 2-14 meters below ground level.
- **Biodiversity (Terrestrial and Aquatic Systems):** Tharisa Mine falls within the Savanna Biome, the Central Bushveld Bioregion and within the Marikana Thornveld, Moot Plains Bushveld and Gold Reef Mountain Bushveld vegetation types. Natural biodiversity at the mine has been impacted by their mining activities and infrastructure, community and private farming activities.
- **Air quality:** Significant sources of air pollution are located within the Rustenburg-Brits region and include stack, vent and fugitive emissions from industrial and mining operations.
- **Noise:** Potential sensitive noise receptors include surrounding residential and agricultural land uses, the President van Rensburg/Piet Retief school and animals. The ambient noise in the mining right area is elevated by current mining infrastructure activities, road traffic and general community activities (including farming).
- **Visual:** The landscape character within the Tharisa mine is relatively flat plain with gentle slopes, the area has been transformed due to Tharisa's current approved mining infrastructure and agricultural activities. The landscape character consists of gentle rolling plains with singular and clusters of smaller koppies with the Magaliesberg Mountain Range as the main topographical feature in the area.

SOCIO-ECONOMIC BASELINE OVERVIEW

- **Socio-economic:** The North West Province is the fourth largest provincial contributor to the gross domestic product (GDP) of South Africa. The Province has a GDP of R55 320 per capita and produces 6.7% of South Africa's GDP. Mining, agriculture and manufacturing contribute to the largest portion of provincial output. Tourism is the fourth most important economic sector in the Province. It was estimated that the unemployment rate of the province in 2016 was 32% (this is slightly higher than the current unemployment rate of 29% in South Africa). Five percent (5%) of the population has tertiary education. Furthermore, only 35% of the total population in the province have secondary education.
- **Land use:** The land use within the mining right area is a mixture of mining, farming and residential. Neighbouring mines include Western Platinum Limited (to the north), Marikana Platinum Mine (to the west), Salene Mining (to the west, owned by Tharisa) and Samancor and Sogima Mining (to the east). There are a number of land users that are actively involved in subsistence and/or commercial farming activities such as livestock, growing citrus fruits and vegetables in the vicinity of the mine. Aside from private landowners and their tenants, four settlements (Mmaditlhokwa, Lapologang, Buffelspoort and Elandsdrift) have been identified in and around the study area.

CULTURAL BASELINE OVERVIEW

- **Heritage/cultural resources and Palaeontology:** Tharisa is located in the Central Bankeveld of the Northwest Province of South Africa. The mine is located to the north of the Magaliesberg Mountain Range which is known for its rich and diverse range of heritage resources. Stone Age sites are scattered along the Range and also found in caves and rock shelters. Heritage resources of high significance have also been identified within the MR area, which include graves and houses of historical significance. Rock engraving sites are located further towards Maanhaarrand and Rustenburg in the west. Tharisa is located on the BIC of the RLS, therefore there exists no chance of palaeontological resources.

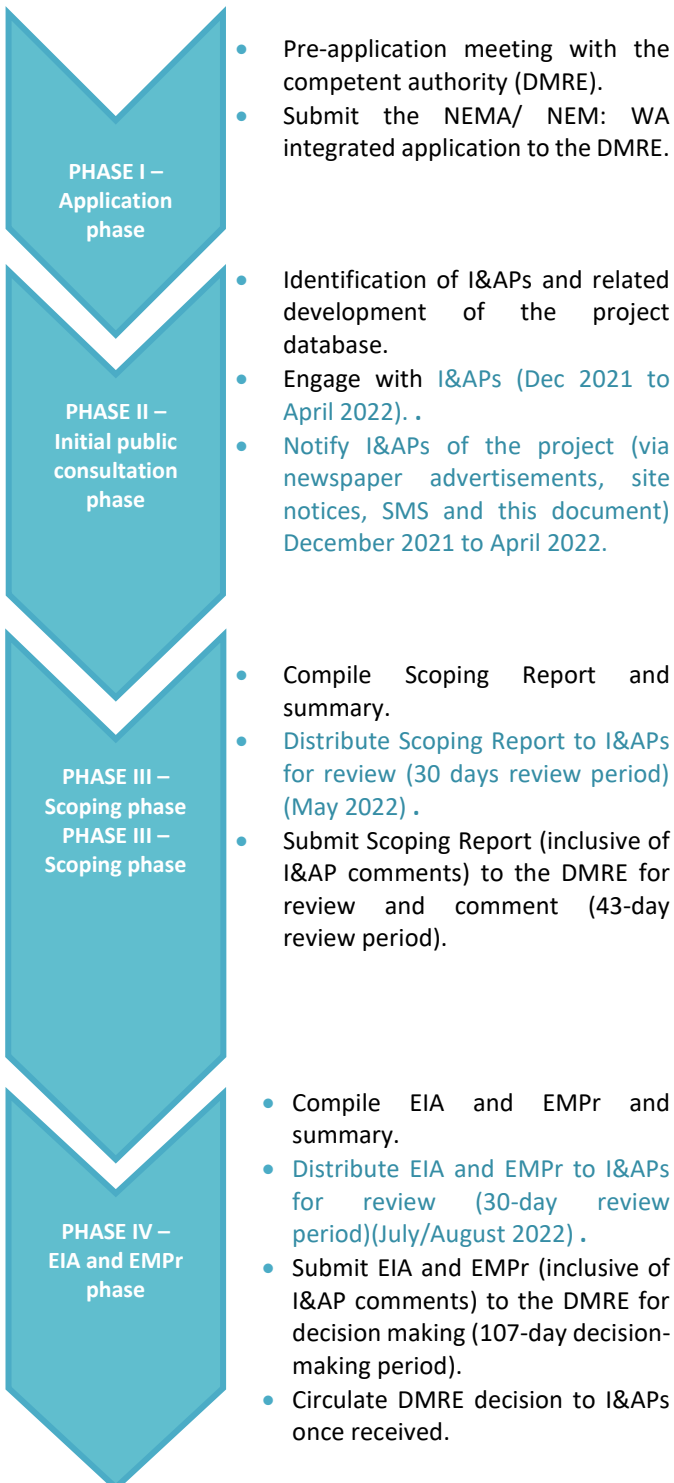
POTENTIAL BIOPHYSICAL, CULTURAL AND SOCIO-ECONOMIC IMPACTS AND RELATED SPECIALIST INPUT

Potential impacts that have been identified and will be investigated as part of the environmental assessment process are tabulated below. Where specialist input is required, this has been indicated.

Aspect	Potential environmental and socio-economic impacts	Specialist input (where required)
Biophysical		
Geology	Sterilisation of resources.	Qualitative assessment by EAP
Topography	Contribution to alteration of topography linked to impacts on drainage patterns, visual landscape.	
Soils and land capability	Physical disturbance and contamination of soil resources, loss of agricultural land.	Soils, Land Use and Land Capability Study inc. Agricultural Potential Assessment
Biodiversity – Terrestrial and Aquatic	Physical loss and general disturbance of habitats and species.	Terrestrial and Aquatic Biodiversity Studies
Surface water	Contamination and alteration of drainage patterns.	Stormwater management design
Groundwater	Contamination of resources.	Groundwater Study and Geochemistry Study
Air Quality and Noise	Increase in emissions and ambient levels.	Air Quality and Noise Studies
Visual	Contribution to alteration of visual landscape.	Visual Study
Cultural		
Heritage/cultural/palaeontological resources	Loss of or damage to resources.	Heritage/ Cultural/ Palaeontological Studies
Socio-economic		
Socio-economic	Continued operation of the mine and associated socio-economic impacts.	Qualitative assessment by EAP

ENVIRONMENTAL AUTHORISATION PROCESS

The environmental assessment process provides information pertaining to procedural components and the environment in which it is being undertaken. It identifies and assesses, in consultation with I&APs, the negative and positive biophysical and socio-economic impacts (Key I&AP input stages are indicated in blue text below). The environmental assessment process also reports on management measures required to mitigate impacts to an acceptable level and incorporates requirements for monitoring programmes (where required). The process steps and estimated timeframes are provided below.



PUBLIC PARTICIPATION PROCESS

The purpose of the public participation process is to notify I&APs of the proposed project and to provide them with the opportunity to raise issues or concerns regarding the proposed project. The public participation process will be undertaken in accordance with the requirements of Chapter 6 of GNR 982 of 4 December 2014 (EIA Regulations), as amended. Due to COVID-19 restrictions, online and digital platforms will be utilised (as far as possible) to engage with I&APs. These platforms will include a combination of email, SMS, posters, and access to SLR’s website and a data free website where reports can be accessed. Loud hailing services and information booths will also be utilised to inform I&APs about the proposed project. I&APs involved in the environmental authorisation process are listed below:

I&APS INVOLVED IN THE ENVIRONMENTAL ASSESSMENT PROCESS

LANDOWNERS, LAND USERS AND OTHER I&APS

- Surrounding landowners, land users and communities.
- Non-government organisations and associations.
- Surrounding mines and industries.
- Parastatals.

COMPETENT AUTHORITY

- North West Department of Mineral Resources and Energy (DMRE).

COMMENTING AUTHORITIES

- Department of Economic Development, Environment, Conservation and Tourism.
- Department of Rural Environment and Agricultural Development.
- Department of Forestry, Fisheries and Environment;
- North West Parks and Tourism Board.
- Department of Rural Development and Land Reform – inclusive of the Land Claims Commissioner.

LOCAL AUTHORITIES

- Rustenburg Local Municipality (including the Ward 32 Councillor).
- Bojanala District Municipality.

Please let us know if there are any additional parties that should be involved.

**THARISA MINERALS (PTY) LTD
BACKGROUND INFORMATION DOCUMENT**

**ADDITIONAL WASTE STORAGE AT THE THARISA MINE
APRIL 2022**

DATE		TIME			
PARTICULARS OF THE INTERESTED AND AFFECTED PARTY					
NAME					
INTEREST IN THE PROPOSED PROJECT					
POSTAL/STREET ADDRESS					
		POSTAL CODE			
WORK/DAY TELEPHONE NUMBER		WORK/DAY FAX NUMBER			
CELL PHONE NUMBER		E-MAIL ADDRESS			
PLEASE REGISTER ME AS AN INTERESTED & AFFECTED PARTY (I&AP) SO THAT I MAY RECEIVE FURTHER INFORMATION AND NOTIFICATIONS DURING THE ENVIRONMENTAL IMPACT ASSESSMENT PROCESS			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">YES</td> <td style="width: 50%; text-align: center;">NO</td> </tr> </table>	YES	NO
YES	NO				
HOW WOULD YOU LIKE TO RECEIVE YOUR NOTIFICATIONS?			E-MAIL		
			REGISTERED MAIL (POST)		

PLEASE WRITE YOUR COMMENTS AND QUESTIONS HERE (please use separate sheets if you wish)

PLEASE INCLUDE THE FOLLOWING OF MY COLLEAGUES/FRIENDS/NEIGHBOURS AS I&APS FOR THIS PROJECT:
Please return completed forms to:
<p>By providing your personal information to be registered as an I&AP for this project you consent to SLR managing your information in accordance with the Protection of Personal Information Act 4 of 2013. This includes; retaining and using your Personal Information as part of a contact database for this and/or other ESIA's, contacting you regarding this and/or other ESIA processes, disclosing the database to other authorised parties including the applicant for lawful purposes, and including any correspondence in the ESIA Reports. You may request for your Personal Information to be deleted from the Project database or comments to be excluded from ESIA Reports at any time by contacting SLR.</p>
Reinett Mogotshi SLR Consulting (South Africa) (Pty) Ltd (011) 467 0945 rmogotshi@slrconsulting.com

THANK YOU FOR YOUR CONTRIBUTION!!!

THARISA MINERALS (PTY) LTD BUKANA YA TSHEDIMOSITSO YA LEMORAGO

MABOLOKELO A A OKETSEGILENG KWA MOEPONG WA THARISA A MAJE A A LATLHILWENG

APRIL 2022

MATSENO

Tharisa Minerals (Pty) Ltd (Tharisa) ke lefelo la moepo wa khuti e e bulegileng o o tlhagisang ditlhopho tsa selekanyo se segolo sa ditshipi tsa *chrome* le polatinamo (PGM). Moepo wa khuti e e bulegileng o o mo polasing ya 342 JQ le Elandsdrift 467 JQ, gaufi le toropo ya Marikana mo Masepaleng wa Kgaolo wa Bojanala le Masepala wa Selegae wa Rustenburg, Porofenseng ya Bokone Bophirima.

Tharisa e tshwere ditumelelo tsa tikologo [environmental authorisations (EAs)] tse di setseng di le gone, mmogo le dilaesense tse di ka fa tlase ga Molao wa Tlhabololo ya Diminerale le Didirisiwa tsa Petoroliamo, 28 wa 2002 (MPRDA), Molao wa Tsamaiso ya Tikologo ya Bosetšhaba, 107 wa 1998 (NEMA), Molao wa Tsamaiso ya Tikologo ya Bosetšhaba: Leswe, 59 wa 2008 (NEM: WA) le Molao wa Bosetšhaba wa Metsi, 36 wa 1998 (NWA).

Go epa go dirwa mo dikarolong tse pedi tsa meepo, e leng kwa East Mine le West Mine, go dirisiwa mekgwa e e tlwaelegileng ya dilori tsa mekwatla e e bulegileng le digarawe. Maje a a latlhilweng go tswa mo mafelong a meepo ya dikhuti tse di bulegileng a ka tswa a kokoantswe mo mafelong a maje a a latlhilweng [waste rock dumps (WRD's)] kgotsa a busediwa mo dikhuting tse di bulegileng jaaka karolo ya go tsosolosa lefatshe leo.

E re ka e le karolo ya leano la yone le le tswelatang, Tharisa e lemogile gore go tlhokega mabolokelo a a oketsegileng a maje a a latlhilweng mo lefelong la mmereko. Ka ntlha ya seno, Tharisa e akantsha go:

- oketsa WRD e e neng e setse e dumeletswe;
- tlhoma dikarolwana tse di fa godimo tsa maje a a buseditsweng tsa di-WRD mo dikhuting tsa East le West; le
- oketsa bogolo jwa mabolokelo a a setseng a le gone a maje a a latlhilweng [tailings storage facility (TSF)] ka mokgwa wa go oketsa bolelele.

TSAMAIISO YA TUMELELO YA TIKOLOGO

Pele ga gore porojeke e e akanyeditsweng e tsenngwe tirisong, dilo tse di latelang di a tlhokega:

- Thulaganyo ya Tsamaiso ya Tikologo [Environmental Management Programme (EMPr)] e e fetotsweng go ya ka Karolo 102 ya MPRDA e e tswang kwa Lefapheng la Didirisiwa Tsa Diminerale le Maatla [Department of Mineral Resources and Energy (DMRE)].
- EA go ya ka NEMA ya ditiro tse di mo Lenaaneng la Kitsiso 1 Molao wa Kitsiso ya Puso [Government Notice Regulation (GNR)] 983 ya 2014, le Lenaane la Kitsiso 3 (GNR 985 ya 2014), jaaka le fetotswe, go tswa go DMRE. Melao ya Tshakatsheko ya Diphelelo Tsa mo Tikologong [Environmental Impact Assessment (EIA)] e e latelwang ke GNR 982 ya 4 December 2014, jaaka e fetotswe.
- Laesense ya Tsamaiso ya Matlakala go ya ka NEM:WA ya ditiro tsa matlakala tse di mo Karolo B (GNR 921 ya 2013), jaaka e fetotswe.

Tiro ya tlhatlhobo ya tikologo e e tlhokegang, e akaretsa legato la ikwadiso, legato la go sekaseka, le legato la EIA le EMPr. SLR Consulting (South Africa) (Pty) Ltd (SLR), e leng setheo se se ikemetseng sa bagakolodi ba tikologo, e tlhomilwe ke Tharisa go laola tsamaiso ya tumelelo ya tikologo.

MAIKAELELO A BUKANA ENO

Bukana eno e ile ya rulagangwa gore e go itsise ka:

- Porojeke e e akantshitsweng;
- Diporojeke tse dingwe tse di akanyeditsweng;
- Motheo wa thutabotshelo, setso le ikonomi ya loago mo tikologong ya lefelo la porojeke;
- Tsamaiso ya tlhatlhobo ya tikologo e e latelwang;
- Kafa thutabotshelo, setso le ikonomi ya loago di ka amegang ka gone le ditshwaelo tsa baitseanape ba ba amegang; le
- Kafa o ka tshwaelang ka gone ka tsamaiso ya tlhatlhobo ya tikologo.

SEABE SA GAGO

O tlhophilwe go nna motsayakarolo yo o amegang le yo o nang le kgatlhego [interested and affected party (I&AP)] yo o ka batlang go itsisiwe ka porojeke e e akanyeditsweng le go tshwaela ka tsamaiso le dipego tsa tumelelo ya tikologo le dipego.

O nnile le tshono ya go sekaseka bukana eno le go tshwaela ka yone go SLR gore ditshwaelo tsa gago di akarediwe mo tsamaisong eno ya tlhatlhobo ya tikologo. Gape, o tla nwa tshono ya go sekaseka Pego ya Tshakatsheko le ya EIA & EMPr le gore o tshwaele ka tsone.

Ditshwaelo tsotlhe di tla rekotiwa mme di akarediwe mo dipegong tse di tla romelwang kwa go dirwang tshwetso gone.

DITHIBELO TSA COVID-19

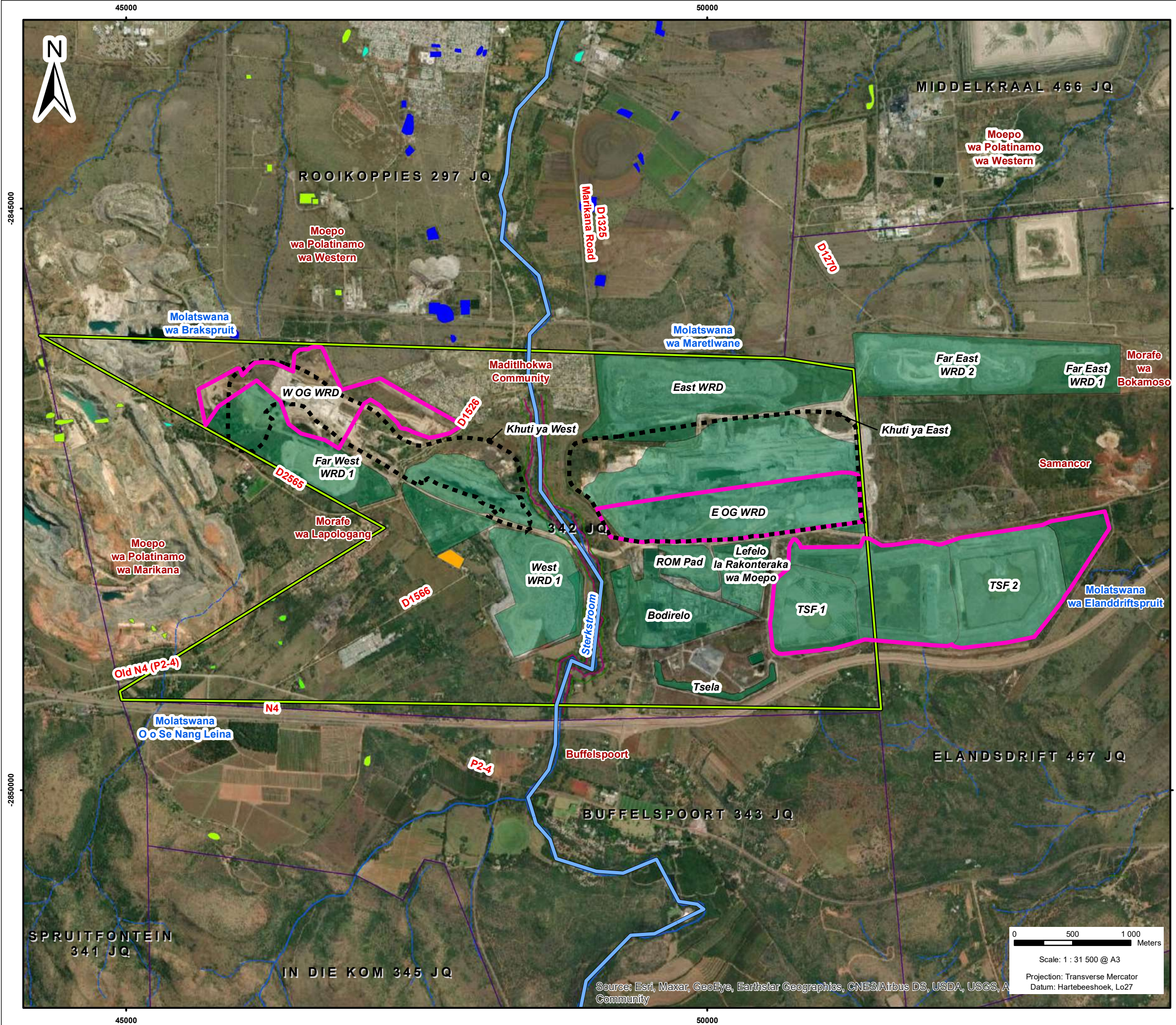
Ka ntlha ya dithibelo tsa COVID-19, dipolatelyo tsa internet di tla dirisiwa (go ya bokgakaleng jo bo kgonegang) go ikgolaganya le di-I&AP.

KAFA O KA TSIBOGANG KA GONE:

Ditsibogo tsa bukana eno di ka romelwa ka pampiri ya dikakgelo e e golagantsweng le/kgotsa ka go buisana le motho yo o kwadilweng fa fatshe.

MOTHO YO O KA IKGOLAGANYANG LE ENE:

Reinett Mogotshi
(011) 467 0945 (Tel) kgotsa
rmogotshi@slrconsulting.com



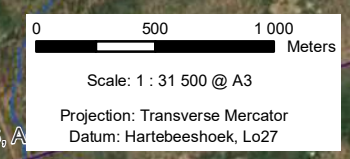
- Legend**
- Lefelo la Tshwanelo la Moepo wa Tharisa
 - Koketsego ya Bofelo ya Khuti
 - Dikarolwana dingwe tsa porojeke
 - Mafelo a Moepo Le a AAmegang
 - Sekolo le Mabitla
 - Melelwane ya Polasi
 - Dinoka – Tse di Tlhomameng
 - Dinoka – Tse di sa Tlhomameng
 - 1:100 Merwalela ya dingwaga
 - Kgaolo tse kgolo tsa Merwalela ya dingwaga
- NFEPA Dinoka
- CLASS C: Moderately Modified
- NFEPA Megobe
- Flat
 - Unchanneled valley-bottom wetland
 - Valleyhead seep

THARISA MINERALS (Pty) Ltd

Setshwantsho 1
Thulaganyo le Lefelo



SLR Consulting (Africa) (Pty) Ltd
P O Box 1596, Cramerville, 2060, South Africa
Tel: +27 (11) 467-0945 Fax: +27 (11) 467-0978



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, A Community

720.20002.00065

2022/04/11

DINTLHAKAKARETSO TSA DITIRO TSE DI SETSENG DI LE GONE

Ga jaana, Tharisa e okametse tiro e e dirwang mo Moepong wa Tharisa, o o tlhagisang selekanyo se segolo sa *chrome* le PGM mme e ntse e tlhagisa fa e sale ka 2008. Go epa go dirwa mo dikarolong tse pedi tsa moepo, e leng East Mine le West Mine. Dikarolo tseno tsoopedi tsa moepo di kgaogantswe ke Noka ya Sterkstroom le D1325 (Marikana Road) (Setshwantsho 1). Didirisiwa tsa konokono tsa moepo di akaretsa ditsela tsa dilori, kgogolo ya moepo, mmu o o fa godimo o o kokoatsweng, selekanyi sa ditshipi, di-WRD, di-TSF le dikago tsa go etleetsa tiro tse di jaaka diofisi, mafelo a go berekela, matlo a go fetola diaparo, le dikago tsa go laola go tseba le go tswa ga batho.

Tsamaiso eno ya maemo a a kwa godimo ya ditiro tse di setseng di le gone e tlhalosiwa fa fatshe mme e bontshitswe mo Setshwantsho 2:

1. Go epa go dirwa ka mekgwa e e tlwaelegileng ya dilori tsa mekwatla e e bulegileng le digarawe. Mmu o o fa godimo o a kokoangwa mo lefelong le le farologaneng mme maje a matlakala a a latlha mo di-WRD.
2. PGM le maje a *chrome* a a tlhotlha mo kagong ya go tlhotlha kwa maje a thubagangwang le go tlhatlhabiwa gone, a a silwa, a a ikgara a bo a fokodiwa mowa.
3. Maje a PGM a a tlhotlhiweng a isiwa kwa a a thatafadiwang gone, go tswa foo selekanyo se segolo sa polatinamo se a romelwa go ya go rekisediwa batho ba bangwe.
4. *Chrome* e e tlhotlhiweng e e isiwa kwa e e thatafadiwang gone mme go tswa foo, selekanyo se segolo sa *chrome* se a romelwa go ya go rekisediwa batho ba bangwe.
5. Maje a a latlhiweng a romelwa kwa TSF gore a latlwe.

DINTLHAKAKARETSO TSA POROJEKE E E AKANYEDITSWENG

E re ka e le karolo ya leano la yone le le tsweleng, Tharisa e lemogile gore go tlhokega mabolokelo a a oketsegileng a maje a a latlhiweng mo lefelong la mmereko. Ka ntlha ya seno, Tharisa e akantsa go (bona Setshwantsho 1):

- Oketsa WRD e e neng e setse e dumeletswe – e e tlhalosiwang e le West Above Ground WRD (W OG WRD);
- Tlhome dikarolwana tse di fa godimo tsa maje a a buseditweng tsa di-WRD mo dikhuting tsa East le West – Far West WRD 2 le EAO WRD; le
- Oketsa bogolo jwa di-TSF tse di setseng di le gone – tse di tlhalosiwang e le TSF 1 le TSF2, ka mokgwa wa go oketsa bolelele

DIPOROJEKE TSE DINGWE

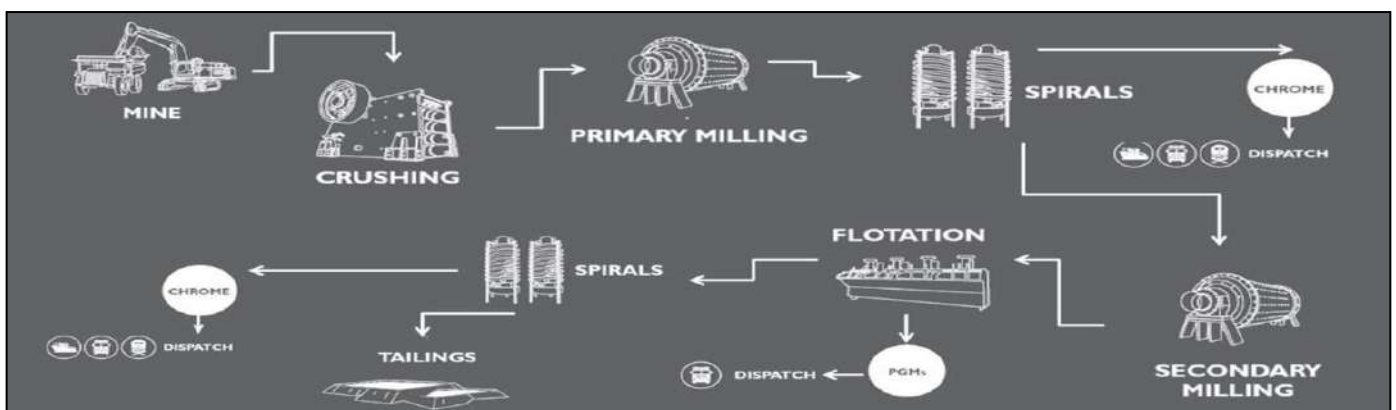
Di- WRD tse di akanyeditsweng di tla tlhomiwa mo mafelong a a setseng a le gone a Tharisa Mining Right (MR). West Above Ground WRD e tla atamela morafe wa Maditlhokwa. Tharisa Mine e dikologilwe gape ke dikhampani tse dingwe tsa meepo (Western Platinum Mine, Marikana Platinum Mine le Samancor) mo melellaneng e e mo Bophirima, Bokone le Botlhaba jwa lefelo la Tharisa MR. N4 le morafe wa balemi wa Buffelspoort di mo Borwa jwa Tharisa Mine. Dikarolwana dingwe tsa porojeke di tla tlhomiwa mo mafelong a go kileng ga berekiwa mo go one mo nakong e e fetileng, mme ka go dira jalo go fokotsa kgotlelo ya lefatshe ka ntlha ya porojeke. Seno se kaya gore ga go na phetogo ya lefelo la go tlhoma dikarolwana tsa porojeke tse di akanyeditsweng porojeke eno.

DIKGOPOLO TSE DI LENG GONE MO TLHAMONG

Dikgopolo tse di leng gone mo tlhamong e e tsamaisanang le di-WRD tse di oketsegileng tse di akanyeditsweng di tlhalositswe fa fatshe. Di-WRD di tile go tswana le tse di setseng di le gone kgotsa tse di setseng di dirisiwa mo moepong.

- **Dipalangwa le Thomelo:** Maje a a latlhiweng a tla rwalwa mo diloring tsa matlakala a moepo mme a isiwe kwa mafelong a a akanyeditsweng a mabolokelo a maje a a latlhiweng, kwa a tla tsennwang mo di-WRD tse di akanyeditsweng. Maje a a latlhiweng a tla pompelwa mo letamong la maje a a latlhiweng ka dikago tse di setseng di le gone. Ditiro le borakonteraka ba Tharisa ba tla dirisiwa.
- **Tsamaiso ya Mesele ya Metsi:** Dikago tsa tsamaiso ya mesele ya metsi tse di jaaka magora a a tsamaisang kelelo ya metsi go tswa mo di-WRD tse di tla bong di tlhomilwe mo lefelong le le akanyeditsweng la di-WRD. Tsamaiso ya mesele la magora a metsi tse di dikologileng melwane e e mo metlhatlogong e tla kaela metsi a a phepa go elela kgakala le di-WRD. Dikago tse di setseng di le gone tsa tsamaiso ya mesele ya metsi kwa TSF 1 le TSF 2 di tla tswelela di dirisiwa.
- **Go Baakanya le go Tswala:** Metlhatlogo e e fa thoko ya WRD e tla papatlwa, e jalwe gape dimela go etsa dimela tsa tlhologo tsa mo lefelong leo. Mmu o o fa godimo o o gogotsweng pele ga ditlhabololo tseno o tla dirisiwa go thusa ka kgolo ya dimela. TSF 1 le TSF 2 e tla khurumelwa ka mmu o o fa godimo mme go jalwe dimela gape.

Setshwantsho 2: Dintlhakakaretso tsa tsamaiso e e akanyeditsweng ya tiro ya ga jaana



DINTLHAKAKARETSE TSA MOTHEO WA THUTABOTSHILO

- **Thuto ya maje:** Moepo wa Tharisa o fa godimo ga maje a a gotetseng mo Rustenburg Layered Suite (RLS) e e leng karolo ya Bushveld Igneous Complex (BIC).
- **Tlelaemete:** Kgaolo ya Tlelaemete ya Highveld, e e leng tlelaemete e e nang le themperetšha e e thutafetseng. Gantsi pula e na ka matlakadibe a a nang le dikgadima tse di bogale le diphefo tse di maatla tsa borwa-botlhaba.
- **Popego ya lefatshe:** Megolaganye ya Dithaba tsa Magaliesberg e mo e ka nnang dikilometara di le 2 go tswa go borwa jwa Tharisa Mine. Moepo ono ka boone o sephaphati mme o na le mekgokolosa e e bonolo go ela kwa bokone.
- **Mmu le bokgoni jwa lefatshe:** Tharisa Mine o fa godimo ga maalo a a itsetsepetseng a mmu o o nang le selekanyo se se kwa godimo sa letsopa. Mmu ono o a tle o nne letswai, o nne bokete go ka lema mo go one, e bile ga o gogolege.
- **Metsi a a fa godimo:** Tharisa Mine o mo dikarolong tse di fa godimo tsa bodutelo jwa bone jwa A21K. Lefelo la moepo o tletse ka melatswana e mmalwa le molatswana o o elelang wa Sterkstroom, o o aroganyang dikarolo tsa moepo wa East le West.
- **Metsi a a ka fa tlase ga lefatshe:** Moepo o mo godimo ga mafika a a seng boteng le mo Mafikeng a a boteng a a phatlogileng. Dilekanyo tsa metsi a a ka fa tlase ga lefatshe go dikologa moepo a mo magareng ga dimetara di le 2 go ya go 14 ka fa tlase ga boalo jwa lefatshe.
- **Mefutafuta ya ditshedi (Dithulaganyo tsa Ditshedi Tse di mo Lefatsheng le mo Metsing):** Tharisa Mine e wela mo mefuteng ya dimela tsa Savanna Biome, Central Bushveld Bioregion le tsa Marikana Thornveld, Moot Plains Bushveld le Gold Reef Mountain Bushveld. Mefutafuta ya ditshedi tsa tlhologo ya kwa moepong e ile ya amiwa ke ditiro tsa moepo le dikago tsa yone, mmogo le ditiro tsa morafe le bolemirui jwa poraefete.
- **Boleng jwa moya:** Metswedi ya botlhokwa e e kgotlelang moya e e mo kgaolong ya Rustenburg-Brits mme e akaretsa dintshamosi, mesima ya mosi, kgotsa mesi e mengwe e e tswang kwa ditirong tsa madirelo le meepo.
- **Modumo:** Mafelo a a tshabang thata modumo a akaretsa lefatshe le le dirisetswang mafelo a batho ba nnang kwa go one le a bolemirui, sekolo sa President van Rensburg/Piet Retief le diphologolo. Selekanyo sa modumo mo lefelong la tshwanelo la moepo se iswa kwa godimo ke ditiro tsa ga jaana tse di dirwang mo dikagong tsa moepo, pharakano ya mo mebileng le ditiro tsa morafe ka kakaretso (go akaretsa bolemirui).
- **Ponalo ya lefelo:** Popego ya naga go dikologa moepo wa Tharisa o sephaphati le mekgokolosa e e bonolo ka kakaretso. Lefelo leno le fetogile ka ntlha ya ditiro tsa ga jaana tse di dumeletsweng tsa moepo tsa Tharisa le ditiro tsa temothuo. Popego ya naga eno e na le mekgokolosa e e bonolo e e nang le legkabana le lennye le le lengwe mmogo le setlhopho sa makgabana a mannye mo Megolanyeng ya Dithaba tsa Magaliesberg jaaka karolo ya botlhokwa ya naga ya lefelo leo.

DINTLHAKAKARETSE TSA MOTHEO WA IKONOMI YA LOAGO

- **Ikonomi ya loago:** Porofense ya Bokone Bophirima ke porofense ya bonè go gaisa mo nageng e e neelang mo palogotlheng ya boleng jwa [gross domestic product (GDP)] mo Afrika Borwa. Porofense eno e na le GDP ya R55 320 ya go lekangwa ga palo, mme e tlhagisa 6.7% ya GDP ya Afrika Borwa. Tiro ya moepo, temothuo le go tlhagisa e neelana ka karolo e kgolo ya ditlhagiwa tsa porofense. Kgwebo ya Bojanala ke karolo ya ikonomi ya bonè ka botlhokwa mo Porofenseng. Go ne ga fopholediwa gore selekanyo sa botlhokatiro mo porofenseng ka 2016 e ne e le 32% (selekanyo seno se kwa godimonyana ga selekanyo sa botlhokatiro sa 29% mo Afrika Borwa). Diperesente di le tlhano (5%) ya baagi e bone thuto e kgotwane. Mo godimo ga moo, ke fela 35% ya palogotlhe ya baagi mo porofenseng ba nang le thuto ya sekolo se segolwane.
- **Tiriso ya lefatshe:** Lefatshe la mo lefelong la moepo le dirisetswa moepo, bolemirui le mafelo a batho ba nnang gone. Meepo e e bapileng e akaretsa Western Platinum Limited (go ya bokone), Marikana Platinum Mine (go ya bophirima), Salene Mining (go ya Bophirima, ke moepo wa Tharisa) le Samancor le Sogima Mining (go ya botlhaba). Go na le batho ba le mmalwa ba ba dirisang lefatshe ka metlha mo ditirong tsa bolemirui jo bo thusang ka go itshedisa mo gae le/kgotsa bolemirui jwa kgwebo jo bo jaaka diruiwa, go tlhagisa maungo a dinamume le merogo mo lefelong la moepo. Kwantle ga beng ba mafatshe ba poraefete le bahiri ba bone, go na le metse e mengwe e e menè (Mmaditlhokwa, Lapologang, Buffelspoort le Elandsdrift) e e lemogilwe mo lefelong le le sekasekwang le go le dikologa.

DINTLHAKAKARETSE TSA MOTHEO WA SETSO

- **Dikungo tsa ngwaoboswa/setso le Thuto ya Maseledi a Dilo Tsa Bogologolo (Palaeontology):** Tharisa e mo Central Bankeveld mo Porofenseng ya Bokone Bophirima mo Afrika Borwa. Moepo ono o kwa bokone jwa Megolaganye ya Dithaba tsa Magaliesberg, e e itsiweng ka mefuta ya dikungo tse di nonneng le tse di farologaneng ya ngwaoboswa. Mafelo a Motlha wa Maje a gasagane go bapa le megolaganye, gape e bonwa mo magageng le mo mafikeng. Dikungo tse di botlhokwa thata tsa ngwaoboswa le tsone di ile tsa lemogiwa mo teng ga lefelo la MR, le le akaretsang mabitla le matlo a a nang le bokao jwa historiki. Mafelo a a nang le maje a a gabilweng a teng gaufi le Maanhaarrand le Rustenburg mo karolong ya bophirima. Tharisa e mo BIC ya RLS, ka jalo go ka se direge gore go nne le masaledi a dilo tsa bogologolo.

• DIPHELELO TSE DI KA NNANG GONE TSA THUTABOTSHILO, IKONOMI YA SETSO LE LOAGO TSE DI AMANANG LE TIRO YA BAITSEANAPE

Diphelelo tse di ka nnang gone tse di lemogilweng mme di tla batlisisiwa jaaka karolo ya tiro ya go tthatlhoba tikologo, di thalositse mo tafoleng e e fa fatshe. Mo moitseanape a tlhokegang gone, le gone go thalositse.

Karolo	Diphelelo tse di ka nnang gone tsa tikologo le ikonomi ya loago	Tiro ya Moitseanape (mo go tlhokegang gone)
Thutabotshelo		
Thuto ya maje	Go tlhatswa ga dikungo.	Tlhatlhobo ya boleng ke EAP
Popego	Seabe sa phetogo ya popego e golagantswe le diphelelo tsa mekgwa ya kelelo ya metsi, le popego ya naga.	
Mmu le bokgoni jwa lefatshe	Go tshwenngwa le go senyega ga dikungo tsa mmu, tatlhegelo ya lefatshe la temothuo.	Tiriso ya Mmu, Lefatshe le Bokgoni Jwa Lefatshe go akaretsa Tlhatlhobo ya Bokgoni Jwa Temothuo
Mefutafuta ya ditshedi – Dithulaganyo tsa Ditshedi Tse di mo Lefatsheng le mo Metsing	Tatlhego e e bonalang le go tshwenngwa ka kakaretso ga mafelo le mefuta ya ditshedi.	Dipatlisiso tsa Ditshedi Tse di mo Lefatsheng le mo Metsing
Metsi a a fa godimo	Go senyega le go fetoga ga mekgwa ya kelelo ya metsi.	Tlhamo ya tsamaiso ya mesele ya metsi
Metsi a a ka fa tlase ga lefatshe	Go senyega ga dikungo.	Patlisiso ya Metsi A a Ka fa Tlase ga Lefatshe le Patlisiso ya Saense ya Maje le Diminerale (<i>Geochemistry</i>)
Boleng Jwa Moya le Modumo	Koketsego ya mosi o ntshiwang le maemo a dilekanyo.	Dipatlisiso tsa Boleng Jwa Moya le Modumo
Ponalo	Seabe sa phetogo ya panalo ya lefelo.	Patlisiso ya Ponalo
Setso		
Dikungo tsa ngwaoboswa/sets o/masaledi a dilo tsa bogologolo	Tatlhegelo kgotsa go senyega ga dikungo.	Dipatlisiso tsa Ngwaoboswa/Setso/Masaledi a Dilo Tsa Bogologolo
Ikonomi ya loago		
Ikonomi ya loago	Tiro e e tswelletseng ya moepo mmogo le diphelelo tsa ikonomi ya loago tse di amegang.	Tlhatlhobo ya boleng ke EAP

TIRO YA TUMELELO YA TIKOLOLO

Tiro ya tlihatlhubo ya tikologo e neelana ka tshedimosetso e e kaga tsamaiso ya dikarolwana le tikologo e tiro e dirwang mo go yone. E tshwaya le go tlihatlhuba, ka tirisanommogo le di-I&AP, diphelelo tse di bosula le tse di molemo mo thutabotshelong (Magato a botlhokwa a tiro ya I&AP a tihalositswe ka mokwalo o o pududu fa tlase). Gape tsamaiso ya tlihatlhubo ya tikologo e bega ka dikgato tse di tlokegang mo dithulaganyong tsa go baya leitlho (fa di tlokega) tsa tsamaiso ya go fokotsa diphelelo tsa selekanyo se se amogelesegang. Magato a tsamaiso mmogo le nako e go akanngwang gore e tla tsewa di kwadilwe fa fatshe.



- Kopano pele ga ikwadiso le molaodi yo o tshwanelegang (DMRE).
- Go romela kopo e e feletseng ya NEMA/ NEM: WA go DMRE.
- Boitshupo jwa di-I&AP le ditlhabololo tse di amegang tsa lenaane la tshedimosetso ya porojeke.
- Dipuisano le di-I&AP (Dec 2021 go ya go April 2022).
- Itsise di-I&AP tsa porojeke (ka dipapatso mo makwalodikgannyeng, dikitsiso mo lefelong, SMS le ka bukana eno) December 2021 go ya go April 2022.
- Rulaganya Pego ya tlihatlhubo le tshobokanyo.
- Phasalatsa Pego ya Tlihatlhubo go di-I&AP gore e sekasekwe (malatsi a le 30 a go sekaseka) (May 2022)
- Romela Pego ya Tlihatlhubo (e e akaretsang dikakgelo tsa I&AP) go DMRE gore e e sekaseka le go akgela ka yone (malatsi a le 43 a go e sekaseka).
- Rulaganya EIA le EMPr le tshobokanyo.
- Phasalatsa EIA le EMPr go di-I&AP gore di sekasekwe (malatsi a le 30 a go e sekaseka) (July/August 2022).
- Romela EIA le EMPr (e akaretse dikakgelo tsa I&AP) go DMRE gore e dire tshwetso (malatsi a le 107 a go dira tshwetso).
- Phasalatsa tshwetso ya DMRE go di-I&AP fa e setse e bonwe.

TIRO YA BOTSAYAKAROLO JWA SETŠHABA

Maikaelelo a botsayakarolo jwa setšhaba ke go itsise di-I&APs ka porojeke e e akanyedittweng le go di naya tshono ya go tlhagisa dintlha le matshwenyego tse di amanang le porojeke eno e e akanyeditweng. Tiro ya Botsayakarolo jwa setšhaba e tla dirwa go ya ka dipatlafalo tse di mo Kgaolo 6 ya GNR 982 ya 4 December 2014 (Melao ya EIA), jaaka e fetotswe. Ka ntlha ya dithibelo tsa COVID-19, dipolatelyo tsa internet le tsa ileketeroniki di tla dirisiwa (go ya bokgakaleng jo bo kgoneng) go mekamekana le di-I&AP. Dipolatelyo tseno di tla akaretsa go dirisiwa ga email, SMS, dipolakate, le website ya SLR mmogo le go dirisa website e e sa tlhokeng data e mo go yone batho ba ka kgonang go fitlhelela dipego. Ditiriso tsa dibuelagodimo le dikhaontara tsa tshedimosetso le tsona di tla dirisiwa go itsise di-I&APs ka porojeke e e akanyeditweng. Di-I&AP tse di amegang mo tirong ya tumelelo ya tikologo di mo lenaaneng le le fa fatshe:

DI-I&AP TSE DI AMEGANG MO TIRONG YA TUMELELO YA TIKOLOGO

BENG BA LEFATSHE, BADIRISI BA LEFATSHE LE DI-I&AP TSE DINGWE

- Beng ba lefatshe le le dikologileng moepo, badirisi ba lefatshe le merafe.
- Mekgatlho e e seng ya puso.
- Meepo le madirelo a a bapileng.
- Ditlamo tsa puso.

BOLAODI JO BO TSHWANELEGANG

- Lefapha la Didirisiwa Tsa Diminerale le Maatla mo Bokone Bophirima (DMRE).

BALAODI BA BA AKGELANG

- Lefapha la Tlhabololo ya Ikonomi, Tikologo, Tshomarelo le Bojanala.
- Lefapha la Tlhabolo ya Metseselegae le Tlhabololo ya Temothuo.
- Lefapha la Dikgwa, Ditlhapi le Tikologo;
- Boto ya Diphaka le Bojanala ya Bokone Bophirima.
- Lefapha la Tlhabololo ya Metseselegae le Kabelano ya Lefatshe – go akaretsa le Mokhomishenara wa Dikopo tsa Lefatshe.

BALAODI BA SELEGAE

- Masepala wa Selegae wa Rustenburg (go akaretsa Mokhanselara wa Wate 32).
- Masepala wa Kgaolo ya Bojanala.

Tsweetswee re itsise fa e le gore go na le batho bape ba bangwe ba ba tshwanetseng go akarediwa.

**THARISA MINERALS (PTY) LTD
BUKANA YA TSHEDIMOSETSO YA LEMORAGO**

**MABOLOKELO A A OKETSEGILENG KWA MOEPONG WA THARISA
APRIL 2022**

LETLHA		NAKO	
DINTLHA TSA MOTHO YO O AMEGANG E BILE A NA LE KGATLHEGO			
LEINA			
KGATLHEGO MO POROJEKNG E E AKANYEDITSWENG			
ATERESE YA POSO/SETERATA			
		KHOUDU YA POSO	
NOMORO YA GO IKGOLAGANYA KWA TIRONG LE MO GARE GA LETSATS		NOMORO YA FEKESSE YA KWA TIRONG LE MO GARE GA LETSATS	
NOMORO YA FOUNO YA SELULA		ATERESE YA IMEILI	
TWEETSWE NKWADISENG JAACA MOTHO YO O AMEGANG LE YO O NANG LE KGATLHEGO (I&AP) GORE KE KGONE GO BONA TSHEDIMOSETSO E E OKETSEGILENG LE DIKITSISO KA NAKO YA FA TIRO YA TLHATHOBO YA DIPHELELO TSA TIKOLOGO E NTSE E TSWELETSE			EE
O KA RATA GO AMOGELA DIKITSISO TSA GAGO JANG?			NNYAA
			E-MAIL
			POSO E E KWADISITSWENG

TWEETSWE KWALA DIKAGELO LE DIPOTSO TSA GAGO FANO (tweetswe dirisa dishiti tse di farologaneng fa e le gore o ka rata go dira jalo)

TWEETSWE AKARETSA BADIRI KA NNA/DITSALA/BAAGELANI BA ME JAACA DI-I&APS TSA POROJEKE ENO:

Tweetswe romela foromo eno e e tladitsweng go:

Fa o neelana ka tshedimisetso ya gago ya botho gore e kwadisiwe jaaka I&AP mo porojekeng eno, o dumela gore SLR e laole tshedimisetso ya gago go ya ka Molao wa Tshireletso ya Tshedimisetso ya Botho, Molao 4 wa 2013. Seno se akaretsa; go boloka le go dirisa Tshedimisetso ya gago ya Botho jaaka karolo ya lenaane la tshedimisetso ya go ikgolaganya mo ESIA eno le/kgotsa di-ESIA tse dingwe, go ikgolaganya le wena malebana le ditsamaiso tsa ESIA eno le/kgotsa tse dingwe, go phasalatsa lenaane la tshedimisetso go bathong ba bangwe ba ba dumeletsweng, go akaretsa motho yo o tsenyang kopo, ka ntlha ya mabaka a semolao, le go akaretsa tshedimisetso epe fela e e mo Dipegong tsa ESIA. O ka kopa gore Tshedimisetso ya gago ya Botho e phimolwe mo lenaaneng la tshedimisetso ya Porojeke kgotsa dikagelo di se ka tsa nna karolo ya Dipego tsa ESIA ka nako epe fela, ka go ikgolaganya le SLR.

Reinett Mogotshi
SLR Consulting (South Africa) (Pty) Ltd
(011) 467 0945
rmogotshi@slrconsulting.com

RE LBOGA GO NNA LE SEABE GA GAGO!!!

Piet Moima

From: Piet Moima
Sent: Monday, 11 April 2022 18:00
To: Piet Moima
Cc: Reinett Mogotshi
Subject: Tharisa Waste Rock Project - Availability of the Revised Background Information Document for Public Review
Attachments: 2022-04-11_Tharisa Waste Storage_BID_Afrikaans.pdf; 2022-04-11_Tharisa Waste Storage_BID_English.pdf; 2022-04-11_Tharisa Waste Storage_BID_Setswana.pdf

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Dear Interested and Affected Party

Tharisa Minerals (Pty) Ltd (Tharisa) is an opencast mining operation that produces chrome and platinum group metals (PGM) concentrate. The opencast mine is located on the farms 342 JQ and Elandsdrift 467 JQ near the town of Marikana in the Bojanala District Municipality and Rustenburg Local Municipality, North West Province.

Tharisa holds existing environmental authorisations (EAs) and licenses under the Mineral and Petroleum Resources Development Act, 28 of 2002 (MPRDA), the National Environmental Management Act, 107 of 1998 (NEMA), the National Environmental Management: Waste Act 59 of 2008 (NEM: WA) and the National Water Act, 36 of 1998 (NWA).

Mining is undertaken, in two mining sections, namely the East Mine and West Mine, using conventional open pit truck and shovel methods. Waste rock from the open pit areas is either stockpiled on waste rock dumps (WRD's) or backfilled into the open pits as part of concurrent rehabilitation.

As part of its on-going mine planning Tharisa has identified the need for additional waste rock and tailings storage on site. In this regard, Tharisa is proposing to:

- extend a previously approved WRD;
- establish WRDs above backfilled portions of the East and West pits; and

- increase the capacity of existing tailings storage facilities (TSFs) by means of self-raising or other.

The environmental assessment process required, includes an application phase, scoping phase, and an EIA and EMPr phase. SLR Consulting (South Africa) (Pty) Ltd (SLR), an independent firm of environmental consultants, has been appointed by Tharisa to manage the environmental authorisation process.

The initial Background Information Document was distributed in November 2021.

Following further consideration and planning, Tharisa decided to amend the project components to remove West WRD 2 (east of Lapologang) and TSF 3 (north of the N4) from activities applied for. The attached revised Background Information Document (BID) (in English, Afrikaans and Setswana) has been prepared to provide you with background information on the proposed project and provide you with an opportunity to have initial input into the environmental assessment process. This BID has been made available for a 14-day comment period from 12 April to 28 April 2022.

A copy of the BID is available electronically on the SLR website (<https://www.slrconsulting.com/en/public-documents/tharisa>) or on SLR's data-free website (at <https://slrpublicdocs.datafree.co/public-documents/tharisa>).

Should you have any queries please contact SLR at contact details below:

Contact person: Reinett Mogotshi

Contact number: 0114670945

Email: rmogotshi@slrconsulting.com .

Thank you

Piet Moima

Stakeholder Database Administrator

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SLR Consulting
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Piet Moima

From: Piet Moima
Sent: Monday, 11 April 2022 18:01
To: Piet Moima
Cc: Reinett Mogotshi
Subject: Tharisa Waste Rock Project - Availability of the Revised Background Information Document for Public Review
Attachments: 2022-04-11_Tharisa Waste Storage_BID_Afrikaans.pdf; 2022-04-11_Tharisa Waste Storage_BID_English.pdf; 2022-04-11_Tharisa Waste Storage_BID_Setswana.pdf

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Dear Regulatory Authorities

Tharisa Minerals (Pty) Ltd (Tharisa) is an opencast mining operation that produces chrome and platinum group metals (PGM) concentrate. The opencast mine is located on the farms 342 JQ and Elandsdrift 467 JQ near the town of Marikana in the Bojanala District Municipality and Rustenburg Local Municipality, North West Province.

Tharisa holds existing environmental authorisations (EAs) and licenses under the Mineral and Petroleum Resources Development Act, 28 of 2002 (MPRDA), the National Environmental Management Act, 107 of 1998 (NEMA), the National Environmental Management: Waste Act 59 of 2008 (NEM: WA) and the National Water Act, 36 of 1998 (NWA).

Mining is undertaken, in two mining sections, namely the East Mine and West Mine, using conventional open pit truck and shovel methods. Waste rock from the open pit areas is either stockpiled on waste rock dumps (WRD's) or backfilled into the open pits as part of concurrent rehabilitation.

As part of its on-going mine planning Tharisa has identified the need for additional waste rock and tailings storage on site. In this regard, Tharisa is proposing to:

- extend a previously approved WRD;

- establish WRDs above backfilled portions of the East and West pits; and
- increase the capacity of existing tailings storage facilities (TSFs) by means of self-raising or other.

The environmental assessment process required, includes an application phase, scoping phase, and an EIA and EMPr phase. SLR Consulting (South Africa) (Pty) Ltd (SLR), an independent firm of environmental consultants, has been appointed by Tharisa to manage the environmental authorisation process.

The initial Background Information Document was distributed in November 2021.

Following further consideration and planning, Tharisa decided to amend the project components to remove West WRD 2 (east of Lapologang) and TSF 3 (north of the N4) from activities applied for. The attached revised Background Information Document (BID) (in English, Afrikaans and Setswana) has been prepared to provide you with background information on the proposed project and provide you with an opportunity to have initial input into the environmental assessment process. This BID has been made available for a 14-day comment period from 12 April to 28 April 2022.

A copy of the BID is available electronically on the SLR website (<https://www.slrconsulting.com/en/public-documents/tharisa>) or on SLR's data-free website (at <https://slrpublicdocs.datafree.co/public-documents/tharisa>).

Should you have any queries please contact SLR at contact details below:

Contact person: Reinett Mogotshi

Contact number: 0114670945

Email: rmogotshi@slrconsulting.com .

Thank you

Phonenu mber	Network	Statu s	ScheduledDat e	SubmittedDat e	StatusDate	SentData	Group Name	Group Description
27603026 512	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM	The revised Background Information Document (BID) for the Additional Waste Rock Storage at the Tharisa Mine is available for review. A copy of the BID is available electronically on the SLR website (https://slrconsulting.com/public-documents). For queries contact Reinett Mogotshi from SLR (0114670945, rmogotshi@slrconsulting.com).	Tharisa Minerals April 2022	Background Information Document
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27646444 359	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:45 PM		Tharisa Minerals April 2022	Background Information Document
27646719 126	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27646783 063	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:55 PM		Tharisa Minerals April 2022	Background Information Document
27647083 113	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:35 PM		Tharisa Minerals April 2022	Background Information Document
27647283 136	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27647378 540	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:35 PM		Tharisa Minerals April 2022	Background Information Document
27647460 751	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27647603 762	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27647794 063	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27648007 040	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:35 PM		Tharisa Minerals April 2022	Background Information Document

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27648200 271	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:43 PM		Tharisa Minerals April 2022	Background Information Document
27648251 414	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:22:44 PM		Tharisa Minerals April 2022	Background Information Document
27648429 030	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27648492 352	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:25:00 PM		Tharisa Minerals April 2022	Background Information Document
27648514 879	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:35 PM		Tharisa Minerals April 2022	Background Information Document
27648573 254	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27648583 319	Vodaco m	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:40 PM		Tharisa Minerals April 2022	Background Information Document
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27649279 078	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:46 PM		Tharisa Minerals April 2022	Background Information Document
27649290 461	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27649364 065	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:54 PM		Tharisa Minerals April 2022	Background Information Document

27649436 324	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27649693 335	Vodaco m	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27649833 528	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27649844 206	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
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27650729 450	CELL C	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27651276 904	CELL C	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:39 PM		Tharisa Minerals April 2022	Background Information Document
27655316 756	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27655437 743	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:45 PM		Tharisa Minerals April 2022	Background Information Document
27655525 965	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:45 PM		Tharisa Minerals April 2022	Background Information Document
27655618 517	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27655687 631	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 6:07:46 PM		Tharisa Minerals April 2022	Background Information Document

27655738 377	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:45 PM		Tharisa Minerals April 2022	Background Information Document
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27655845 326	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:45 PM		Tharisa Minerals April 2022	Background Information Document
27655916 628	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
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27660158 268	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27660196 425	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:46 PM		Tharisa Minerals April 2022	Background Information Document
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27661166 352	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:50 PM		Tharisa Minerals April 2022	Background Information Document
27661553 689	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27661559 496	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27661587 695	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27662040 240	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27663236 071	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:43 PM		Tharisa Minerals April 2022	Background Information Document
27663286 078	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27663335 159	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:35 PM		Tharisa Minerals April 2022	Background Information Document
27663672 747	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
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27664169 850	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:36 PM		Tharisa Minerals April 2022	Background Information Document
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27664606 145	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:52 PM		Tharisa Minerals April 2022	Background Information Document
27664658 007	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27664680 037	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27664900 815	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:36 PM		Tharisa Minerals April 2022	Background Information Document
27665097 065	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27665262 975	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27665292 860	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:46 PM		Tharisa Minerals April 2022	Background Information Document
27673581 599	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document

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27695165 541	Telkom Mobile	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27710187 726	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:45 PM		Tharisa Minerals April 2022	Background Information Document
27710431 774	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:48 PM		Tharisa Minerals April 2022	Background Information Document
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27710477 866	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27710760 026	CELL C	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27710969 304	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27711045 579	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:47 PM		Tharisa Minerals April 2022	Background Information Document
27711144 191	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27711150 708	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document

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27711311 505	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:45 PM		Tharisa Minerals April 2022	Background Information Document
27711342 005	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27711449 091	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
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27711650 609	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:45 PM		Tharisa Minerals April 2022	Background Information Document
27711826 717	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:52 PM		Tharisa Minerals April 2022	Background Information Document
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27711895 021	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27711913 952	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:36 PM		Tharisa Minerals April 2022	Background Information Document
27711932 351	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:46 PM		Tharisa Minerals April 2022	Background Information Document
27711960 792	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document

27712182 903	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27712218 979	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27712230 054	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27712263 857	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27712512 939	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27712606 140	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27712836 901	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:46 PM		Tharisa Minerals April 2022	Background Information Document
27713039 683	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27713083 303	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27713110 445	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27713319 660	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27713414 652	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:36 PM		Tharisa Minerals April 2022	Background Information Document

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27714015 891	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
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27714348 520	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27714363 137	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27714399 016	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:43 PM		Tharisa Minerals April 2022	Background Information Document
27714420 488	Vodaco m	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27714457 766	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:43 PM		Tharisa Minerals April 2022	Background Information Document
27714472 201	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27714571 088	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:36 PM		Tharisa Minerals April 2022	Background Information Document

27715079 064	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27715085 021	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:49 PM		Tharisa Minerals April 2022	Background Information Document
27715244 357	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27715303 039	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27715540 251	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:24:09 PM		Tharisa Minerals April 2022	Background Information Document
27715657 524	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:36 PM		Tharisa Minerals April 2022	Background Information Document
27715786 487	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:47:27 PM		Tharisa Minerals April 2022	Background Information Document
27716123 694	Vodaco m	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27716132 551	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:46 PM		Tharisa Minerals April 2022	Background Information Document
27716142 746	Vodaco m	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27716169 449	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27716242 200	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document

27716252 953	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27716258 099	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27716260 884	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27716415 303	Vodaco m	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27716429 521	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 6:17:14 PM		Tharisa Minerals April 2022	Background Information Document
27716750 291	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:46 PM		Tharisa Minerals April 2022	Background Information Document
27716930 115	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:46 PM		Tharisa Minerals April 2022	Background Information Document
27717034 766	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:56 PM		Tharisa Minerals April 2022	Background Information Document
27717064 590	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27717081 643	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:43 PM		Tharisa Minerals April 2022	Background Information Document
27717220 310	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:46 PM		Tharisa Minerals April 2022	Background Information Document
27717285 633	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:46 PM		Tharisa Minerals April 2022	Background Information Document

27717503 247	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27717528 640	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:16:58 PM		Tharisa Minerals April 2022	Background Information Document
27717674 992	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:46 PM		Tharisa Minerals April 2022	Background Information Document
27717684 778	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27718153 431	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:46 PM		Tharisa Minerals April 2022	Background Information Document
27718240 912	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:46 PM		Tharisa Minerals April 2022	Background Information Document
27718357 601	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:46 PM		Tharisa Minerals April 2022	Background Information Document
27718359 186	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:47 PM		Tharisa Minerals April 2022	Background Information Document
27718422 314	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:46 PM		Tharisa Minerals April 2022	Background Information Document
27718494 869	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:46 PM		Tharisa Minerals April 2022	Background Information Document
27718919 613	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:46 PM		Tharisa Minerals April 2022	Background Information Document
27718952 421	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:46 PM		Tharisa Minerals April 2022	Background Information Document

27719063 270	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:46 PM		Tharisa Minerals April 2022	Background Information Document
27719418 192	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27719462 735	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:46 PM		Tharisa Minerals April 2022	Background Information Document
27719563 133	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:46 PM		Tharisa Minerals April 2022	Background Information Document
27719610 148	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27719905 398	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27720196 259	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:19:10 PM		Tharisa Minerals April 2022	Background Information Document
27720203 617	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27720222 607	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:36 PM		Tharisa Minerals April 2022	Background Information Document
27720381 416	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:25:26 PM		Tharisa Minerals April 2022	Background Information Document
27720571 011	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:36 PM		Tharisa Minerals April 2022	Background Information Document
27720571 611	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:31:52 PM		Tharisa Minerals April 2022	Background Information Document

27720667 872	Vodaco m	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27720755 038	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 6:46:55 PM		Tharisa Minerals April 2022	Background Information Document
27720925 937	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:15:00 PM		Tharisa Minerals April 2022	Background Information Document
27721063 915	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:36 PM		Tharisa Minerals April 2022	Background Information Document
27721065 920	CELL C	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27721075 761	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27721149 732	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27721179 250	Vodaco m	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27721198 678	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27721263 635	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27721348 964	Vodaco m	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27721375 403	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document

27721375 411	Vodaco m	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27721450 963	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27721469 719	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27721530 744	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27721563 514	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27721573 388	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:46 PM		Tharisa Minerals April 2022	Background Information Document
27721855 960	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:31:45 PM		Tharisa Minerals April 2022	Background Information Document
27721857 251	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27721963 798	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27721990 024	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27722132 829	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 6:17:51 PM		Tharisa Minerals April 2022	Background Information Document
27722152 151	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:36 PM		Tharisa Minerals April 2022	Background Information Document

27722235 435	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27722263 661	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27722287 967	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27722336 419	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27722425 359	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27722429 061	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27722448 730	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:50:05 PM		Tharisa Minerals April 2022	Background Information Document
27722555 350	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:53 PM		Tharisa Minerals April 2022	Background Information Document
27722570 053	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27722698 827	Vodaco m	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27722710 678	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27722715 143	Vodaco m	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:42 PM		Tharisa Minerals April 2022	Background Information Document

27722766 968	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:46 PM		Tharisa Minerals April 2022	Background Information Document
27722782 349	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27722846 578	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:36 PM		Tharisa Minerals April 2022	Background Information Document
27722912 960	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27722966 498	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27722997 110	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27723015 430	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27723041 380	CELL C	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27723046 974	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27723162 922	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27723334 747	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:54 PM		Tharisa Minerals April 2022	Background Information Document
27723340 903	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:43 PM		Tharisa Minerals April 2022	Background Information Document

27723358 653	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27723401 050	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27723411 401	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:15:00 PM		Tharisa Minerals April 2022	Background Information Document
27723697 500	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27723817 125	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:15:02 PM		Tharisa Minerals April 2022	Background Information Document
27723874 358	CELL C	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27723891 072	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27723893 172	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27723894 019	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:46 PM		Tharisa Minerals April 2022	Background Information Document
27723956 898	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27724012 512	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27724064 897	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:49 PM		Tharisa Minerals April 2022	Background Information Document

27724124 155	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27724199 841	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:17:49 PM		Tharisa Minerals April 2022	Background Information Document
27724353 547	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27724404 348	Vodaco m	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27724418 554	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27724467 756	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:50 PM		Tharisa Minerals April 2022	Background Information Document
27724484 206	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:46 PM		Tharisa Minerals April 2022	Background Information Document
27724487 792	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27724662 673	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27724789 660	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27724926 835	Vodaco m	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27725021 982	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document

27725107 847	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:46 PM		Tharisa Minerals April 2022	Background Information Document
27725117 765	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27725285 443	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27725403 350	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:36 PM		Tharisa Minerals April 2022	Background Information Document
27725405 963	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27725424 857	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27725492 410	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27725523 428	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:47 PM		Tharisa Minerals April 2022	Background Information Document
27725553 205	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27725596 946	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27725659 889	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:47 PM		Tharisa Minerals April 2022	Background Information Document
27725772 699	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:43 PM		Tharisa Minerals April 2022	Background Information Document

27725888 441	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27725986 823	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:47 PM		Tharisa Minerals April 2022	Background Information Document
27726098 196	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 6:41:22 PM		Tharisa Minerals April 2022	Background Information Document
27726311 598	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:36 PM		Tharisa Minerals April 2022	Background Information Document
27726353 720	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:44:47 PM		Tharisa Minerals April 2022	Background Information Document
27726378 576	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:35:28 PM		Tharisa Minerals April 2022	Background Information Document
27726689 888	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:49 PM		Tharisa Minerals April 2022	Background Information Document
27726786 221	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27726793 677	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:20:20 PM		Tharisa Minerals April 2022	Background Information Document
27726804 186	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27726943 334	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:43 PM		Tharisa Minerals April 2022	Background Information Document
27726974 713	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document

27727035 684	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:35:27 PM		Tharisa Minerals April 2022	Background Information Document
27727060 808	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 6:15:41 PM		Tharisa Minerals April 2022	Background Information Document
27727173 589	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27727270 422	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27727330 274	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:36 PM		Tharisa Minerals April 2022	Background Information Document
27727340 153	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:43 PM		Tharisa Minerals April 2022	Background Information Document
27727378 686	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27727398 870	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:53 PM		Tharisa Minerals April 2022	Background Information Document
27727465 665	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27727479 304	Vodaco m	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27727501 742	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27727532 656	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:51 PM		Tharisa Minerals April 2022	Background Information Document

27727550 846	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27727611 472	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:47 PM		Tharisa Minerals April 2022	Background Information Document
27727619 033	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:47 PM		Tharisa Minerals April 2022	Background Information Document
27727692 324	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:53 PM		Tharisa Minerals April 2022	Background Information Document
27727776 669	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:47 PM		Tharisa Minerals April 2022	Background Information Document
27727999 629	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:47 PM		Tharisa Minerals April 2022	Background Information Document
27728172 149	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27728261 615	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:47 PM		Tharisa Minerals April 2022	Background Information Document
27728331 513	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27728410 320	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:36 PM		Tharisa Minerals April 2022	Background Information Document
27728414 497	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:36 PM		Tharisa Minerals April 2022	Background Information Document
27728440 416	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:43:23 PM		Tharisa Minerals April 2022	Background Information Document

27728591 226	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27728646 906	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:47 PM		Tharisa Minerals April 2022	Background Information Document
27728655 241	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:36 PM		Tharisa Minerals April 2022	Background Information Document
27728782 095	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:47 PM		Tharisa Minerals April 2022	Background Information Document
27728874 434	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:15:00 PM		Tharisa Minerals April 2022	Background Information Document
27728958 111	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27728968 768	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:47 PM		Tharisa Minerals April 2022	Background Information Document
27728971 769	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27729287 500	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:47 PM		Tharisa Minerals April 2022	Background Information Document
27729318 442	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:47 PM		Tharisa Minerals April 2022	Background Information Document
27729323 287	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:43 PM		Tharisa Minerals April 2022	Background Information Document
27729420 294	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document

27729504 460	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27729575 273	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:43 PM		Tharisa Minerals April 2022	Background Information Document
27729620 710	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27729687 476	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27729725 908	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:47 PM		Tharisa Minerals April 2022	Background Information Document
27729899 326	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:46 PM		Tharisa Minerals April 2022	Background Information Document
27729947 433	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27730075 703	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27730113 650	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27730159 848	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:47 PM		Tharisa Minerals April 2022	Background Information Document
27730380 201	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27730387 657	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document

27730389 517	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:47 PM		Tharisa Minerals April 2022	Background Information Document
27730543 432	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:49 PM		Tharisa Minerals April 2022	Background Information Document
27730675 216	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 9:26:47 PM		Tharisa Minerals April 2022	Background Information Document
27730688 903	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:47 PM		Tharisa Minerals April 2022	Background Information Document
27730848 047	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27730907 422	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 7:31:39 PM		Tharisa Minerals April 2022	Background Information Document
27730958 055	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27730983 801	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27731042 739	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:47 PM		Tharisa Minerals April 2022	Background Information Document
27731255 994	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:43 PM		Tharisa Minerals April 2022	Background Information Document
27731332 392	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 9:26:47 PM		Tharisa Minerals April 2022	Background Information Document
27731479 601	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document

27731849 641	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:43 PM		Tharisa Minerals April 2022	Background Information Document
27732069 753	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:43 PM		Tharisa Minerals April 2022	Background Information Document
27732118 938	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 6:30:17 PM		Tharisa Minerals April 2022	Background Information Document
27732167 792	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27732212 838	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:43 PM		Tharisa Minerals April 2022	Background Information Document
27732314 893	CELL C	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27732404 297	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:40 PM		Tharisa Minerals April 2022	Background Information Document
27732731 614	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:40 PM		Tharisa Minerals April 2022	Background Information Document
27732828 715	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27733068 793	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27733092 133	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27733111 355	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:49 PM		Tharisa Minerals April 2022	Background Information Document

27733325 608	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27733344 909	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:19:46 PM		Tharisa Minerals April 2022	Background Information Document
27733470 633	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:47 PM		Tharisa Minerals April 2022	Background Information Document
27733499 388	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:40 PM		Tharisa Minerals April 2022	Background Information Document
27733625 552	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 9:26:40 PM		Tharisa Minerals April 2022	Background Information Document
27733698 959	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27733774 988	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 9:26:40 PM		Tharisa Minerals April 2022	Background Information Document
27733780 390	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27733850 751	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27733857 837	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27733954 419	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27733975 943	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document

27733985 856	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:56 PM		Tharisa Minerals April 2022	Background Information Document
27734047 138	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27734057 127	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:28:03 PM		Tharisa Minerals April 2022	Background Information Document
27734070 071	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27734109 796	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27734172 276	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:59 PM		Tharisa Minerals April 2022	Background Information Document
27734215 325	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:43 PM		Tharisa Minerals April 2022	Background Information Document
27734411 653	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:46 PM		Tharisa Minerals April 2022	Background Information Document
27734481 775	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:40 PM		Tharisa Minerals April 2022	Background Information Document
27734511 361	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27734777 847	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27734852 301	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:40 PM		Tharisa Minerals April 2022	Background Information Document

27734877 138	MTN	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27735002 183	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27735267 731	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:59 PM		Tharisa Minerals April 2022	Background Information Document
27735272 287	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:52 PM		Tharisa Minerals April 2022	Background Information Document
27735300 354	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27735392 319	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:15:49 PM		Tharisa Minerals April 2022	Background Information Document
27735495 755	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:43 PM		Tharisa Minerals April 2022	Background Information Document
27735591 797	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27735598 319	CELL C	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27735712 607	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27735714 426	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27735942 384	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document

27736130 909	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27736171 653	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:25:38 PM		Tharisa Minerals April 2022	Background Information Document
27736199 656	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:40 PM		Tharisa Minerals April 2022	Background Information Document
27736336 587	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:19:43 PM		Tharisa Minerals April 2022	Background Information Document
27736387 102	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27736393 634	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27736394 405	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:40 PM		Tharisa Minerals April 2022	Background Information Document
27736691 777	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:43 PM		Tharisa Minerals April 2022	Background Information Document
27736898 027	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:52 PM		Tharisa Minerals April 2022	Background Information Document
27736909 267	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:31:30 PM		Tharisa Minerals April 2022	Background Information Document
27737043 490	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:54 PM		Tharisa Minerals April 2022	Background Information Document
27737202 016	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:46 PM		Tharisa Minerals April 2022	Background Information Document

27737404 137	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:40 PM		Tharisa Minerals April 2022	Background Information Document
27737556 399	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:40 PM		Tharisa Minerals April 2022	Background Information Document
27737915 630	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:30:59 PM		Tharisa Minerals April 2022	Background Information Document
27737996 022	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27738034 973	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:43 PM		Tharisa Minerals April 2022	Background Information Document
27738043 034	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27738084 156	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:20:22 PM		Tharisa Minerals April 2022	Background Information Document
27738131 672	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:40 PM		Tharisa Minerals April 2022	Background Information Document
27738221 831	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27738228 979	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27738363 746	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27738557 634	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:49 PM		Tharisa Minerals April 2022	Background Information Document

27738564 567	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:49 PM		Tharisa Minerals April 2022	Background Information Document
27738807 471	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 6:50:25 PM		Tharisa Minerals April 2022	Background Information Document
27738823 194	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:43 PM		Tharisa Minerals April 2022	Background Information Document
27739029 634	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:28:03 PM		Tharisa Minerals April 2022	Background Information Document
27739035 321	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27739097 297	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 6:10:02 PM		Tharisa Minerals April 2022	Background Information Document
27739146 467	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27739217 301	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:28:03 PM		Tharisa Minerals April 2022	Background Information Document
27739332 355	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:53 PM		Tharisa Minerals April 2022	Background Information Document
27739383 264	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27739452 526	MTN	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27739977 493	CELL C	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:42 PM		Tharisa Minerals April 2022	Background Information Document

27739999 674	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27742384 489	CELL C	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27742883 424	CELL C	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:11 PM		Tharisa Minerals April 2022	Background Information Document
27748920 228	CELL C	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:39 PM		Tharisa Minerals April 2022	Background Information Document
27760147 837	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27760317 045	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:49 PM		Tharisa Minerals April 2022	Background Information Document
27760391 607	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:49 PM		Tharisa Minerals April 2022	Background Information Document
27760412 140	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27760515 850	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:46 PM		Tharisa Minerals April 2022	Background Information Document
27760865 377	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:38:21 PM		Tharisa Minerals April 2022	Background Information Document
27760879 400	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:47 PM		Tharisa Minerals April 2022	Background Information Document
27761099 016	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 6:57:07 PM		Tharisa Minerals April 2022	Background Information Document

27761102 756	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:49 PM		Tharisa Minerals April 2022	Background Information Document
27761462 760	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:27:36 PM		Tharisa Minerals April 2022	Background Information Document
27761573 272	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:49 PM		Tharisa Minerals April 2022	Background Information Document
27761597 278	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:49 PM		Tharisa Minerals April 2022	Background Information Document
27761885 579	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:49 PM		Tharisa Minerals April 2022	Background Information Document
27761953 334	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27761979 639	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:27:36 PM		Tharisa Minerals April 2022	Background Information Document
27762126 717	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27762148 207	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:49 PM		Tharisa Minerals April 2022	Background Information Document
27762231 682	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:43 PM		Tharisa Minerals April 2022	Background Information Document
27762517 715	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:16:56 PM		Tharisa Minerals April 2022	Background Information Document
27762643 683	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document

27762757 061	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:21:53 PM		Tharisa Minerals April 2022	Background Information Document
27762775 958	Vodaco m	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27763226 863	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:11 PM		Tharisa Minerals April 2022	Background Information Document
27763265 489	CELL C	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27763267 430	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:15:08 PM		Tharisa Minerals April 2022	Background Information Document
27763314 325	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:46 PM		Tharisa Minerals April 2022	Background Information Document
27763362 029	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27763424 886	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27763436 666	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27763460 158	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27763503 731	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:31:36 PM		Tharisa Minerals April 2022	Background Information Document
27763507 391	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:11 PM		Tharisa Minerals April 2022	Background Information Document

27763666 063	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:11 PM		Tharisa Minerals April 2022	Background Information Document
27763815 263	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:46 PM		Tharisa Minerals April 2022	Background Information Document
27763819 967	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27763843 986	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:53 PM		Tharisa Minerals April 2022	Background Information Document
27763872 229	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:48 PM		Tharisa Minerals April 2022	Background Information Document
27763881 874	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27763945 511	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:11 PM		Tharisa Minerals April 2022	Background Information Document
27763955 952	CELL C	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27763968 110	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:11 PM		Tharisa Minerals April 2022	Background Information Document
27763969 718	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:49 PM		Tharisa Minerals April 2022	Background Information Document
27763980 193	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:49 PM		Tharisa Minerals April 2022	Background Information Document
27763983 600	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:49 PM		Tharisa Minerals April 2022	Background Information Document

27764061 749	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27764150 899	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27764279 864	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27764366 870	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:49 PM		Tharisa Minerals April 2022	Background Information Document
27764437 652	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:15:56 PM		Tharisa Minerals April 2022	Background Information Document
27764598 348	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27764720 225	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27765404 605	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27765496 299	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27765550 493	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:46 PM		Tharisa Minerals April 2022	Background Information Document
27765567 825	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27765567 835	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document

27765615 571	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27765639 017	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27765677 717	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27765843 229	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 6:20:59 PM		Tharisa Minerals April 2022	Background Information Document
27766284 909	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27766304 657	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27766311 206	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27766325 843	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27766355 816	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27766358 663	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:53 PM		Tharisa Minerals April 2022	Background Information Document
27766627 085	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:50 PM		Tharisa Minerals April 2022	Background Information Document
27766702 788	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document

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27767076 279	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27767272 015	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:50 PM		Tharisa Minerals April 2022	Background Information Document
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27767372 795	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
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27767446 193	CELL C	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27767457 306	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:11 PM		Tharisa Minerals April 2022	Background Information Document
27767473 819	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27767505 931	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
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27767669 262	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27767708 143	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27767816 245	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27768065 726	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:46 PM		Tharisa Minerals April 2022	Background Information Document
27768073 665	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:43 PM		Tharisa Minerals April 2022	Background Information Document
27768106 013	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:46 PM		Tharisa Minerals April 2022	Background Information Document
27768326 699	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
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27768795 453	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27768975 651	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:46 PM		Tharisa Minerals April 2022	Background Information Document
27769048 784	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:43 PM		Tharisa Minerals April 2022	Background Information Document

27769049 649	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:50 PM		Tharisa Minerals April 2022	Background Information Document
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27769660 338	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:50 PM		Tharisa Minerals April 2022	Background Information Document
27769727 736	CELL C	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27780200 686	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:50 PM		Tharisa Minerals April 2022	Background Information Document
27780705 485	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27780813 007	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:24:51 PM		Tharisa Minerals April 2022	Background Information Document
27781102 081	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:25:05 PM		Tharisa Minerals April 2022	Background Information Document
27781114 609	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:51 PM		Tharisa Minerals April 2022	Background Information Document
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27781246 853	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:46 PM		Tharisa Minerals April 2022	Background Information Document

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27781731 738	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document
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27782051 070	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 9:26:50 PM		Tharisa Minerals April 2022	Background Information Document
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27783168 915	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
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27783280 591	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:15:12 PM		Tharisa Minerals April 2022	Background Information Document
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27783537 742	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document

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27784094 999	CELL C	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:47 PM		Tharisa Minerals April 2022	Background Information Document
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27784325 286	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:28:03 PM		Tharisa Minerals April 2022	Background Information Document
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27784520 405	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:47 PM		Tharisa Minerals April 2022	Background Information Document
27784886 566	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:43 PM		Tharisa Minerals April 2022	Background Information Document
27784933 291	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:50 PM		Tharisa Minerals April 2022	Background Information Document
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27785216 995	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27785280 331	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:50 PM		Tharisa Minerals April 2022	Background Information Document
27785281 031	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:50 PM		Tharisa Minerals April 2022	Background Information Document
27785323 207	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27785531 749	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:50 PM		Tharisa Minerals April 2022	Background Information Document
27785575 371	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27785744 317	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document

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27785765 806	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:46 PM		Tharisa Minerals April 2022	Background Information Document
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27786306 144	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:51 PM		Tharisa Minerals April 2022	Background Information Document
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27786468 459	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27786592 207	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27786731 267	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document

27786745 687	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:30:56 PM		Tharisa Minerals April 2022	Background Information Document
27786751 391	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27786788 381	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27786788 789	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 7:30:28 PM		Tharisa Minerals April 2022	Background Information Document
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27786963 708	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 9:26:51 PM		Tharisa Minerals April 2022	Background Information Document
27787129 852	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27787177 446	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:46 PM		Tharisa Minerals April 2022	Background Information Document
27787397 379	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:39 PM		Tharisa Minerals April 2022	Background Information Document
27787656 123	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27787755 384	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27787756 191	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document

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27787991 374	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:51 PM		Tharisa Minerals April 2022	Background Information Document
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27788555 597	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:28:03 PM		Tharisa Minerals April 2022	Background Information Document
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27788683 116	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:46 PM		Tharisa Minerals April 2022	Background Information Document
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27789332 854	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:24:45 PM		Tharisa Minerals April 2022	Background Information Document
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27790941 503	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:47 PM		Tharisa Minerals April 2022	Background Information Document
27791060 426	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:54 PM		Tharisa Minerals April 2022	Background Information Document
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27791099 423	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:43 PM		Tharisa Minerals April 2022	Background Information Document
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27791726 263	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document

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27793103 296	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:47 PM		Tharisa Minerals April 2022	Background Information Document

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27818865 831	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:46 PM		Tharisa Minerals April 2022	Background Information Document
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27822582 540	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:46 PM		Tharisa Minerals April 2022	Background Information Document
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27823024 419	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:43 PM		Tharisa Minerals April 2022	Background Information Document
27823139 901	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:15:42 PM		Tharisa Minerals April 2022	Background Information Document
27823177 352	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document

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27823550 933	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:43 PM		Tharisa Minerals April 2022	Background Information Document
27823621 368	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:52 PM		Tharisa Minerals April 2022	Background Information Document
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27824011 277	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:46 PM		Tharisa Minerals April 2022	Background Information Document
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27824360 556	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27824384 764	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:47 PM		Tharisa Minerals April 2022	Background Information Document
27824391 819	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27824420 539	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 9:26:52 PM		Tharisa Minerals April 2022	Background Information Document
27824427 432	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
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27825001 461	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 9:26:53 PM		Tharisa Minerals April 2022	Background Information Document
27825040 342	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:47 PM		Tharisa Minerals April 2022	Background Information Document
27825263 582	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27825503 588	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document

27825554 019	Vodaco m	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 7:14:42 PM		Tharisa Minerals April 2022	Background Information Document
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27825720 258	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:43 PM		Tharisa Minerals April 2022	Background Information Document
27825795 122	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27825873 995	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:47 PM		Tharisa Minerals April 2022	Background Information Document
27825895 105	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27826115 629	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27826119 783	Vodaco m	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27826124 661	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27826407 377	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
27826460 680	Telkom Mobile	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:43 PM		Tharisa Minerals April 2022	Background Information Document
27826682 763	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document

27826759 112	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27826954 971	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:53 PM		Tharisa Minerals April 2022	Background Information Document
27826975 557	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27827094 067	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:12 PM		Tharisa Minerals April 2022	Background Information Document
27827183 772	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:12 PM		Tharisa Minerals April 2022	Background Information Document
27827208 270	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
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27828000 894	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27828063 681	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:43 PM		Tharisa Minerals April 2022	Background Information Document
27828088 360	Vodaco m	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
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27832330 533	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:47 PM		Tharisa Minerals April 2022	Background Information Document
27832576 046	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:43 PM		Tharisa Minerals April 2022	Background Information Document
27832590 507	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:47 PM		Tharisa Minerals April 2022	Background Information Document
27832601 816	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:48 PM		Tharisa Minerals April 2022	Background Information Document
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27834306 317	MTN	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:26:53 PM		Tharisa Minerals April 2022	Background Information Document
27834338 449	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:45 PM		Tharisa Minerals April 2022	Background Information Document
27834420 845	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:51 PM		Tharisa Minerals April 2022	Background Information Document
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27834447 649	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:47:36 PM		Tharisa Minerals April 2022	Background Information Document
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27835078 448	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:44 PM		Tharisa Minerals April 2022	Background Information Document
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27837526 609	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:47 PM		Tharisa Minerals April 2022	Background Information Document
27837532 878	MTN	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:42 PM		Tharisa Minerals April 2022	Background Information Document
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27840823 833	CELL C	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27842067 579	Telkom Mobile	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 9:31:24 PM		Tharisa Minerals April 2022	Background Information Document

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27843447 828	CELL C	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:48 PM		Tharisa Minerals April 2022	Background Information Document
27843854 454	CELL C	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 9:29:12 PM		Tharisa Minerals April 2022	Background Information Document
27844125 337	CELL C	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 9:29:13 PM		Tharisa Minerals April 2022	Background Information Document
27844245 304	CELL C	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 9:29:13 PM		Tharisa Minerals April 2022	Background Information Document
27844455 224	CELL C	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27844490 652	CELL C	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 9:29:13 PM		Tharisa Minerals April 2022	Background Information Document

27844585 988	CELL C	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:41 PM		Tharisa Minerals April 2022	Background Information Document
27844652 661	CELL C	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 7:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27844944 677	CELL C	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 9:29:13 PM		Tharisa Minerals April 2022	Background Information Document
27845005 784	CELL C	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 9:29:13 PM		Tharisa Minerals April 2022	Background Information Document
27845046 640	CELL C	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27845113 791	CELL C	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 9:27:37 PM		Tharisa Minerals April 2022	Background Information Document
27845136 582	CELL C	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 7:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27846115 003	CELL C	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 7:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27846124 958	CELL C	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 9:29:13 PM		Tharisa Minerals April 2022	Background Information Document
27846428 643	CELL C	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 9:29:13 PM		Tharisa Minerals April 2022	Background Information Document
27847465 757	CELL C	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27848206 056	CELL C	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 9:27:37 PM		Tharisa Minerals April 2022	Background Information Document

27848897 582	CELL C	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 7:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27849955 877	CELL C	DELIV RD	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 5:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27663565 2881	Vodaco m	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27715357 1445	Vodaco m	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27726640 6296	Vodaco m	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27731416 6177	MTN	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27732828 2762	MTN	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27791297 4735	Vodaco m	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:42 PM		Tharisa Minerals April 2022	Background Information Document
27797790 2105	Vodaco m	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 7:14:40 PM		Tharisa Minerals April 2022	Background Information Document
27822728 3024	Vodaco m	EXPIR ED	4/11/2022 5:14:00 PM	4/11/2022 5:14:38 PM	4/11/2022 9:29:13 PM		Tharisa Minerals April 2022	Background Information Document
27682921 19626	Telkom Mobile	UNDE LIV	4/11/2022 5:14:00 PM	4/11/2022 5:14:39 PM	4/11/2022 7:14:43 PM		Tharisa Minerals April 2022	Background Information Document

Tharisa Minerals (Edms.) Bpk. (Tharisa) is 'n oopgroefmynboubedryf wat chroom en platinumgroepmetaalkonsentraat produseer. Die oopgroefmyn is geleë op die plaas 342 JQ en Elandsdrift 467 JQ naby die dorp Marikana in die Bojanala Distriksmunisipaliteit en Rustenburg Plaaslike Munisipaliteit, Noordwes-provinsie.

Mynbou word in twee mynbouseksies onderneem, naamlik die Oos- en Wesmyn, deur gebruik te maak van konvensionele oopgroefvragmotor- en graafmetodes. Afvalklip uit die oopgroefgebiede word óf op afvalkliphope (AKH's) opgegaan óf as deel van gelyktydige rehabilitasie in die oopgroef teruggevuul. As deel van sy voortgesette mynbeplanning het Tharisa die behoefte aan bykomende berging van afvalklip op die terrein geïdentifiseer. Tharisa doen dus aan die hand om 'n nuwe AKH te vestig, wat 'n reeds-goedgekeurde AKH vergroot en AKH's bo-op teruggevuulde gedeeltes van die Oos- en Wes-groef te vestig. Tharisa doen ook aansoek om 'n nuwe uitskotbergingsfasiliteit (UBF) te bou.

Kennis geskied hiermee van die aansoeke wat ingevolge die omgewingswetgewing wat hieronder gelys word by die **Noordwes Departement van Minerale Hulpbronne en Energie** gedoen moet word:

Gelyste Aktiwiteite	Gelyste Aktiwiteite	Sleutelproselemente
Wet op die Ontwikkeling van Minerale en Petroleum-hulpbronne (Wet 28 van 2002) (MPRDA)	Die myn se OBPr moet bygewerk word om beoogde veranderinge te weerspieël. 'n Artikel 102-aansoek wat ingedien word vir 'n wysiging van 'n Omgewingsbestuursprogram (OBPr), wat uitgereik is ingevolge die MPRDA, moet ingevolge die Nasionale Wet op Omgewingsbestuur (Wet 107 van 1998) (NEMA), hanteer word.	<ul style="list-style-type: none"> • Artikel 102-aansoek (MPRDA)
Nasionale Wet op Omgewings-bestuur: Afval, Wet 59 van 2008 (NEM:WA)	<p>Staatskennisgewing R921 van 2013, soos gewysig: Kategorie B, Aktiwiteit 7: Die wegdoening van enige hoeveelheid gevaarlike afval in die grond – <i>van toepassing op alle beoogde projek-AKH's aangesien die materiaal gevaarlik kan wees.</i></p> <p>Staatskennisgewing R921 van 2013, soos gewysig: Kategorie B, Aktiwiteit 10: – Konstruksie vir 'n fasiliteit vir afvalbestuur in Kategorie B. <i>Die beoogde UBF ingevolge Aktiwiteit 11 verg konstruksie-aktiwiteite.</i></p> <p>Staatskennisgewing R921 van 2013, soos gewysig: Kategorie B, Aktiwiteit 11: Die vestiging van residu-voorraadstapels of afsettings, wat ingevolge die MPRDA, 'n Mynreg verg – <i>die beoogde AKH's en UBF word as residu-voorraadstapels geag.</i></p>	<ul style="list-style-type: none"> • Aansoek om Geïntegreerde Omgewings-magtiging (OM) (NEMA) en Afvalbestuurslisensie (WML) (NEM:WA)
NEMA en Regulasies op Omgewings-impakevaluering (OIE-regulasies) Staatskennisgewing R983 van 2014, soos gewysig	<p>Staatskennisgewing R983 van 2014, soos gewysig: Lyskennisgewing 1, Aktiwiteit 12: Die ontwikkeling van—</p> <p>(ii) infrastruktuur of strukture met 'n fisiese voetspoor van 100 vierkant meter of groter; waar sodanige ontwikkeling plaasvind—</p> <p>(a) in 'n waterloop – <i>verspreide vleilande ingevolge die Nasionale Varswater Ekosisteem Prioriteitsgebiede (NFEPA) se databasis is in die voetspoor van die AKH geleë.</i></p> <p>Staatskennisgewing R983 van 2014, soos gewysig: Lyskennisgewing 1, Aktiwiteit 30: Enige proses of aktiwiteit wat geïdentifiseer is ingevolge Artikel 53(1) van die Nasionale Wet op Omgewingsbestuur: Biodiversiteit, 2004 (Wet 10 van 2004) – <i>die beoogde projek is in die bedreigde Marikana-doringveld-plantegroei geleë.</i></p> <p>Staatskennisgewing R983 van 2014, soos gewysig: Lyskennisgewing 1, Aktiwiteit 34: Die uitbreiding van aktiwiteite wat 'n gewysigde lisensie ingevolge nasionale of provinsiale wetgewing verg wat die vrystelling van besoedeling reguleer – <i>uitbreiding van 'n reeds-goedgekeurde AKH verg 'n gewysigde Geïntegreerde Watergebruiklisensie (IWUL)*.</i></p> <p>Staatskennisgewing R983 van 2014, soos gewysig: Lyskennisgewing 1, Aktiwiteit 48: Die uitbreiding van infrastruktuur binne 32 m van 'n waterloop af – <i>die beoogde AKH's sal binne 32 m van nie-standhoudende waterlope af wees.</i></p> <p>Staatskennisgewing R984 van 2014, soos gewysig: Lyskennisgewing 2, Aktiwiteit 6: Die ontwikkeling van aktiwiteite wat 'n gewysigde lisensie ingevolge nasionale of provinsiale wetgewing verg wat die vrystelling van besoedeling reguleer – <i>die ontwikkeling van 'n nuwe AKH (insluitende dié op teruggevuulde gedeeltes van die oop groewe) verg 'n gewysigde IWUL.</i></p> <p>Staatskennisgewing R984 van 2014, soos gewysig: Lyskennisgewing 2, Aktiwiteit 15: Die ontbossing van inheemse plantegroei (meer as 20 ha) – <i>die beoogde projek kan die ontbossing van meer as 20 ha inheemse plantegroei verg.</i></p> <p>Staatskennisgewing R985 van 2014, soos gewysig: Lyskennisgewing 3, Aktiwiteit 12: Die ontbossing van 'n gebied van 300 m² of groter van inheemse plantegroei in spesifieke geografiese gebiede – <i>die beoogde projek sal die ontbossing van meer as 300 m² inheemse plantegroei in sensitiewe geografiese gebiede ingevolge provinsiale en nasionale databasisse verg.</i></p>	<ul style="list-style-type: none"> • Bestekopname-verslag en OIE en OBPr • Belanghebber-betrokkenheids-proses en spesialisinsette

SLR Consulting (South Africa) (Edms.) Bpk., 'n onafhanklike firma van omgewingskonsultante, is aangestel om die omgewingsevalueringproses te bestuur. Openbare vergaderings word as deel van die openbare deelnameproses soos volg gereël:

Datum	Plek	Tyd
8 Desember 2021	Mmaditlhokwa Community Centre	09h00
8 Desember 2021	Lapologang Open Space	14h00
9 Desember 2021	Bokamoso Community Centre	09h00

Alle belanghebbers word uitgenooi om as Belangstellende en Geaffekteerde Partye (B&GP's) te registreer en om enige aanvanklike kommentaar teen **13 Desember 2021** by SLR in te dien. **Weens COVID-19-bepenkings, sal aanlyn- en digitale platforms (sover moontlik) gebruik word om met B&GP's te skakel.** Alle geregistreerde B&GP's sal steeds vir die volle tydsduur van die omgewingsevalueringproses die geleentheid hê om deel te neem en kommentaar te lewer. Geregistreerde B&GP's sal verwittig word wanneer die Bestekopnamesverslag, OIE en OBPr beskikbaar is vir openbare insae. Om te registreer, of om seker te maak dat u wel geregistreer is en/of om enige kommentaar op die beoogde projek en proses in te dien, moet u SLR op die kontakbesonderhede hieronder kontak:

Reinett Mogotshi

E-pos: rmogotshi@slrconsulting.com

Tel: 011 467 0945

Posadres: Posbus 1596, Cramerview, 2060 (Let wel: As u die posdiens gebruik, moet u ons asseblief ook telefonies kontak om ons van u indiening in kennis te stel.)

* Deur u persoonlike inligting te verskaf om as 'n B&GP vir hierdie projek geregistreer te word, stem u in dat SLR u persoonlike inligting as deel van 'n kontakdatabasis vir hierdie en ander OIE-projekte en -prosesse hou en gebruik; u kontak oor hierdie projekte; dit vir wetlike doeleindes aan ander gemagtigde partye bekend kan maak, insluitende die oordrag daarvan na ander lande toe; die verwerking daarvan vir wetlike doeleindes (nakoming van kontraktuele, wetlike en openbare beleidsverpligtinge en die beskerming van SLR en ander gemagtigde partye se wettige belange). SLR sal slegs die nodige persoonlike inligting inwin. SLR (en enige gemagtigde partye) sal dit slegs vir wettige doeleindes gebruik en redelike, gepaste sekerheidsmaatreëls inspan om dit te beskerm, en om redelikerwys enige skade aan, of verlies van, ongemagtigde toegang tot, of openbaarmaking daarvan te voorkom. **U regte:** U kan SLR versoek om u te voorsien van name van die gemagtigde partye en besonderhede van u persoonlike inligting wat in die B&GP-databasis gehou word. U kan enige tyd beswaar maak teen die verwerking daarvan, of versoek om dit reg te stel, te skrap of te vernietig, deur SLR per e-pos of skriftelik te kontak. U verstaan egter dat SLR (en enige gemagtigde partye) dit om wetlike of openbare beleidsredes dalk nie kan skrap of vernietig nie. SLR sal vir u die redes verstrek. U kan 'n klag by die inligtingsreguleerder indien by: <https://justice.gov.za/inforeg/>. Skakel na SLR se privaatheidsbeleid: <https://cdn.slrconsulting.com/uploads/2020-08/slr-privacy-notice.pdf>



Tharisa Minerals (Pty) Ltd (Tharisa) is an opencast mining operation that produces chrome and platinum group metals concentrate. The opencast mine is located on the farms 342 JQ and Elandsdrift 467 JQ near the town of Marikana in the Bojanala District Municipality and Rustenburg Local Municipality, North West Province.

Mining is undertaken in two mining sections, namely the East Mine and West Mine, using conventional open pit truck and shovel methods. Waste rock from the open pit areas is either stockpiled on Waste Rock Dumps (WRD's) or backfilled into the open pit as part of concurrent rehabilitation. As part of its on-going mine planning Tharisa has identified the need for additional waste rock storage on site. Tharisa is therefore proposing to establish a new WRD, extending a previously approved WRD and establishing WRD's above backfilled portions of the East and West pits. Tharisa is also applying to construct a new tailings storage facility (TSF).

Notice is hereby given of the applications to be made to the **North West Department of Mineral Resources and Energy** in terms of the environmental legislation listed below:

Legislation	Listed Activities	Key Process Elements
Mineral and Petroleum Resources Development Act (No. 28 of 2002) (MPRDA)	The mine's EMPr must be updated to reflect proposed changes. A Section 102 application submitted for an amendment of an Environmental Management Programme (EMPr), issued in terms of the MPRDA must be dealt with in terms of the National Environmental Management Act, (No. 107 of 1998) (NEMA).	<ul style="list-style-type: none"> Section 102 application (MPRDA)
National Environmental Management: Waste Act, No. 59 of 2008 (NEM: WA)	<p>Government Notice Regulation (GNR) 921 of 2013, as amended: Category B, Activity 7: The disposal of any quantity of hazardous waste to land - <i>applicable to all proposed project WRD's as the material may be hazardous.</i></p> <p>GNR 921 of 2013, as amended: Category B, Activity 10: – Construction for a facility for waste management in Category B. <i>The proposed TSF as per Activity 11 requires construction activities.</i></p> <p>GNR 921 of 2013, as amended: Category B, Activity 11: The establishment of residue stockpiles or deposits, which require a Mining Right in terms of the MPRDA – <i>The proposed WRD's and TSF are deemed residue stockpiles.</i></p>	<ul style="list-style-type: none"> Integrated Environmental authorisation (EA) (NEMA) and Waste Management Licence (WML) (NEM:WA) application Scoping Report and EIA and EMPr
NEMA and Environmental Impact Assessment (EIA) Regulations GNR 983 of 2014, as amended	<p>GNR 983 of 2014, as amended: Listing Notice 1, Activity 12: The development of - (ii) infrastructure or structures with a physical footprint of 100 square metres or more; where such development occurs - (a) within a watercourse.– <i>scattered wetlands in terms of the National Freshwater Ecosystem Priority Areas (NFEPA) database are located within the footprint of the WRD.</i></p> <p>GNR 983 of 2014, as amended: Listing Notice 1, Activity 30: Any process or activity identified in terms of section 53(1) of the National Environmental Management: Biodiversity Act, 2004 (Act No. 10 of 2004) – <i>the proposed project is located in the endangered Marikana Thornveld vegetation type.</i></p> <p>GNR 983 of 2014, as amended: Listing Notice 1, Activity 34: The expansion of activities that need an amended licence in terms of national or provincial legislation governing the release of pollution - <i>extension of a previously approved WRD requires an amended Integrated Water Use Licence (IWUL)*.</i></p> <p>GNR 983 of 2014, as amended: Listing Notice 1, Activity 48: The expansion of infrastructure within 32 m of a watercourse – <i>proposed WRD's will be within 32 m of non-perennial watercourses.</i></p> <p>GNR 984 of 2014, as amended: Listing Notice 2, Activity 6: The development of activities that need an amended licence in terms of national or provincial legislation governing the release of pollution – <i>development of a new WRD's (inclusive of those on backfilled portions of the open pits) requires an amended IWUL.</i></p> <p>GNR 984 of 2014, as amended: Listing Notice 2, Activity 15: The clearance of indigenous vegetation (more than 20 ha) – <i>the proposed project could require the clearance of more than 20 ha of indigenous vegetation.</i></p> <p>GNR 985 of 2014, as amended: Listing Notice 3, Activity 12: The clearance of an area of 300 m² or more of indigenous vegetation within specific geographical areas – <i>The proposed project will clear more than 300 m² of indigenous vegetation within sensitive geographical areas in terms of provincial and national databases.</i></p>	<ul style="list-style-type: none"> Stakeholder engagement process and specialist input

SLR Consulting (South Africa) (Pty) Ltd, an independent firm of environmental consultants, has been appointed to manage the environmental assessment process. Public meetings have been arranged as part of the public participation process as follows:

Date	Venue	Time
8 November 2021	Mmaditlhokwa Community Centre	09h00
8 November 2021	Lapologang Open Space	14h00
9 November 2021	Bokamoso Community Centre	09h00

All stakeholders are invited to register as Interested and Affected Parties (I&APs) and submit any initial comments to SLR by **13 December 2021**

Due to COVID-19 restrictions, online and digital platforms will be utilised (as far as possible) to engage with I&APs. All registered I&APs will continue to be given the opportunity to participate and comment for the full duration of the environmental assessment process. Registered I&APs will be notified when the Scoping Report, EIA and EMPr is available for public review. To register or to check that you are registered and/or to submit any comment on the proposed project and process contact SLR at the contact details below:

Reinett Mogotshi

Email: rmogotshi@slrconsulting.com

Tel: 011 467 0945

Post: PO Box 1596, Cramerview, 2060 (Note: If using post, please also contact us telephonically to notify us of your submission).

*By providing your personal information to be registered as an I&AP for this project, you consent to SLR keeping and using your personal information as part of a contact database for this and other EIA projects and processes; contacting you about these projects; disclosing it to other authorised parties for lawful purposes, including transferring to other countries; processing it for lawful purposes (fulfilling contractual, legal and public policy obligations, and protecting legitimate interests SLR and other authorized parties). SLR will only collect the necessary personal information. SLR (and any authorised parties) will only use it for lawful purposes, and use reasonable, appropriate security safeguards to protect it, reasonably prevent any damage to, or loss, unauthorised access, or disclosure thereof. **Your rights:** You may request SLR to provide you with names of the authorized parties, and details of your personal information held in the I&AP database. You may object to the processing thereof, or request to correct, delete or destroy it, at any time by contacting SLR by email or in writing. However, you understand that SLR (and any authorised parties) may not be able to delete or destroy it for legal or public policy reasons. SLR will provide you with the reasons. You may lodge a complaint with the information regulator at: <https://justice.gov.za/infoereg/>. Link to SLR's privacy policy: <https://cdn.slrconsulting.com/uploads/2020-08/slr-privacy-notice.pdf>

Tharisa Minerals (Pty) Ltd (Tharisa) ke khampani ya moepo wa khuti e e bulegileng o o tthagisang ditlhopho tsa selekanyo se segolo sa ditshipi tsa *chrome* le polatinamo. Moepo wa khuti e e bulegileng o mo polasing ya 342 JQ le Elandsdrift 467 JQ, gaufi le toropo ya Marikana mo Masepaleng wa Kgaolo wa Bojanala le Masepala wa Selegae wa Rustenburg, Porofense ya Bokone Bophirima.

Go epa go dirwa mo dikarolong tse pedi tsa meepo, e leng kwa East Mine le West Mine, go dirisiwa mekgwa e e tlwaelegileng ya dilori tsa mekwatla e e bulegileng le digarawe. Maje a a latlhilweng go tswa mo mafelong a meepo ya dikhuti tse di bulegileng a ka tswa a kokoantswe mo mafelong a maje a a latlhilweng [Waste Rock Dumps (WRD's)] kgotsa a busediwa mo dikhuting tse di bulegileng jaaka karolo ya go tsosolosa lefatshe leo. E re ka e le karolo ya leano la yone le le tsweleng, Tharisa e lemogile gore go tlhokega mabolokelo a a oketsegileng a maje a a latlhilweng mo lefelong la mmereko. Ka ntlha ya seno, Tharisa e akantsha go tlhoma WRD e ntšha, go oketsa WRD e e neng e setse e dumeletswe le go tlhoma dikarolwana tse di fa godimo tsa maje a a buseditsweng tsa di-WRD mo dikhuting tsa East le West. Gape Tharisa e kwadiseditse go aga lefelo le lesa la mabolokelo a maje a a latlhilweng [tailings storage facility (TSF)].

Ka jalo, go ntshitswe kitsiso ya go ikwadiswa kwa **Lefapheng la Didirisiwa Tsa Diminerale le Maatla mo Bokone Bophirima** go ya ka melaotheo ya tikologo e e kwadilweng fa fatshe:

Molaotheo	Lenaane la Ditiro	Dikarolo Tsa Botlhokwa Tsa Tiro
Molao wa Tlhabololo ya Diminerale le Didirisiwa tsa Petoroliamo (Molao 28 wa 2002) (MPRDA)	EMPr ya moepo e tshwanetse go tlhabololwa gore e tthagise diphepho tse di akanyeditsweng. Ikwadiso ya Karolo 102 e rometswe gore Thulaganyo ya Tsamaiso ya Tikologo [Environmental Management Programme (EMPr)] e romelwe, e e ntshitsweng go ya ka MPRDA mme e dirwa go ya ka Molao wa Tsamaiso ya Tikologo ya Bosetšhaba, (Molao 107 wa 1998) (NEMA).	<ul style="list-style-type: none"> Karolo 102 ya ikwadiso (MPRDA) Integrated Environmental authorisation (EA) (NEMA) and Waste Management Licence (WML) (NEM:WA) application Scoping Report and EIA and EMPr Stakeholder engagement process and specialist input
Molao wa Tsamaiso ya Tikologo ya Bosetšhaba: Leswe, Molao 59 wa 2008 (NEM: WA)	<p>Molao wa Kitsiso ya Puso [Government Notice Regulation (GNR)] 921 wa 2013, jaaka o fetotswe: Karolo B, Tiro 7: Go latlha ga selekanyo sepe fela sa matlakala a a kotsi mo lefatshe – o a tlhokega mo diporojekeng tsotlhe tse di akanyeditsweng tsa di-WRD e re ka matlakala ao a le kotsi.</p> <p>GNR 921 wa 2013, jaaka e fetotswe: Karolo B, Tiro 10: – Go agiwa ga lefelo la tsamaiso ya matlakala mo Karolo B. TSF e e akanyeditsweng go ya ka Tiro 11 e tlhoka kago ya ditiro.</p> <p>GNR 921 wa 2013, jaaka e fetotswe: Karolo B, Tiro 11: Go tlhamiwa ga masalela a a kokoantsweng, go go tlhokang Tshwanelo ya Moepo go ya ka MPRDA – Di-WRD le TSF tse di akanyeditsweng di tsewa e le masalela a a kokoantsweng.</p>	
NEMA le Molao ya Tshkatshoko ya Diphelelo Tsa mo Tikologong (EIA) GNR 983 wa 2014, jaaka e fetotswe	<p>GNR 983 wa 2014, jaaka e fetotswe: Ikwadiso ya Kitsiso 1, Tiro 12: Tlhabololo ya - (ii) Dikago tse di nang le metlhalo e e bonalang ya disekweremetara di le 100 kgotsa go feta; mo tlhabololo e e ntsheng jalo e tlileng go direga - (a) mo meseleng ya metsi.– <i>ditsotho tse di gasameng go ya ka tshedimosetso ya National Freshwater Ecosystem Priority Areas (NFEPA) e e tsewang mo metlhaleng ya WRD.</i></p> <p>GNR 983 wa 2014, jaaka e fetotswe: Ikwadiso ya Kitsiso 1, Tiro 30: Tsamaiso kgotsa tiro epe e e lemogilweng go ya ka karolo 53(1) ya Molao wa Tsamaiso ya Tikologo ya Bosetšhaba: Molao wa Mefutafuta ya Ditschedi, 2004 (Molao 10 wa 2004) – <i>porojeke e e akanyeditsweng mo lefelong la mefuta ya dimela tse di mo kotsing la Marikana Thornveld.</i></p> <p>GNR 983 wa 2014, jaaka e fetotswe: Ikwadiso ya Kitsiso 1, Tiro 34: Go anamisiwa ga ditiro tshe di tlhokang laesense e e fetotsweng go ya ka molaotheo wa naga kgotsa porofense o o okametseng kgololo ya kgotlelo – <i>go anamisiwa ga WRD e e neng e setse e dumeletswe go tlhoka Laesense ya Tirisio e e Kopaneng ya Metsi [Integrated Water Use Licence (IWUL)]*.</i></p> <p>GNR 983 wa 2014, jaaka go fetotswe: Ikwadiso ya Kitsiso 1, Tiro 48: Go anamisiwa ga dikago mo meseleng ya metsi ya dimetara di le 32– <i>di-WRD tse di akanyeditsweng di tla nna le mesele e e tshwanang ya metsi ya dimetara di le 32.</i></p> <p>GNR 984 wa 2014, jaaka go fetotswe: Ikwadiso ya Kitsiso 2, Tiro 6: Tlhabololo ya ditiro tse di tlhokang laesense e e fetotsweng go ya ka molaotheo wa naga kgotsa ya porofense o o okametseng kgololo ya kgotlelo – <i>tlhabololo ya di-WRD tse disha (go akaretsa dikarolo tse di kokoantsweng tsa dikhuti tse di bulegileng) di tlhoka IWUL e e fetotsweng.</i></p> <p>GNR 984 wa 2014, jaaka go fetotswe: Ikwadiso ya Kitsiso 2, Tiro 15: Go gololwa ga dimela tsa selegae (tse di fetang 20 ha) – <i>porojeke e e akanyeditsweng e ka tlhoka go gololwa ga dimela tsa selegae tse di fetang 20 ha.</i></p> <p>GNR 985 wa 2014, jaaka go fetotswe: Ikwadiso ya Kitsiso 3, Tiro 12: Go gololwa ga lefelo la 300 m² kgotsa go feta ga dimela tsa selegae mo dikarolong tse di rileng tsa lefelo – <i>Porojeke e e akanyeditsweng e tla golola dimela tsa selegae tsa lefelo le le fetang 300 m² mo dikarolong tse di tlhokang tlhokomelo tsa lefelo, go ya ka tshedimosetso ya porofense le ya naga.</i></p>	

SLR Consulting (South Africa) (Pty) Ltd, ke setheo se se ikemetseng sa bagakolodi ba tikologo, se se tlhomilweng go tsamaisa tsamaiso ya tlhatlhobo ya tikologo. Go rulagantswe gore go nne le letsatsi le le buletsweng morafe e le karolo ya tiro ya go tsaya karolo ga morafe ka tsela eno:

Letlha	Lefelo	Nako
8 Sedimonthole 2021	Mmaditlhokwa Community Centre	09h00
8 Sedimonthole 2021	Lapologang Open Space	14h00
9 Sedimonthole 2021	Bokamoso Community Centre	09h00

Batsayakarolo botlhe ba kopiwa go ikwadisa jaaka Batsayakarolo ba ba Kgatlhengang Le ba Ba Amegang [Interested and Affected Parties (I&APs)] mme ba romele dikakgelo dipe fela tse ba nang le tsone go SLR ka **13 Sedimonthole 2021. Ka ntlha ya dithibelo tsa COVID-19 dipolatelyo tsa internet di tla dirisiwa (go ya bokgakaleng jo bo kgonegang) go mekamekana le di-I&AP.** Di-I&AP tsotlhe tse di kwadisitsweng di tla tswelela di nwa tshono ya go nna le seabe le go akgela mo nakong yotlhe ya tiro ya go tlhatlhoba tikologo. Di-I&AP tse di kwadisitsweng di tla itsisiwe fa Pego ya go Tlhatlhoba, EIA le EMPr di setse di le gone gore batho ka kakaretso ba ka di sekaseka. Go ikwadisa kgotsa go tlhola gore o ikwadisitse le/kgotsa go romela kakgelo epe fela kaga porojeke e e akanyeditsweng le tsamaiso ya yone, ikgolaganye le SLR mo dintlheng tsa go ikgolaganya fa fatshe:

Reinett Mogotshi

Email: rmogotshi@slrconsulting.com

Tel: 011 467 0945

Post: PO Box 1596, Cramerview, 2060 (Ela tlhoko: Fa e le gore o dirisa poso, tseweetswee ikgolaganye gape le rona ka founo go re itsise gore o rometse sengwe ka poso).

*Fa o neelana ka tshedimosetso ya gago ya botho go nna I&AP e e kwadisitsweng ya porojeke eno, o dumela gore SLR e boloke le go dirisa tshedimosetso ya gago ya botho jaaka karolo ya lenaane la tshedimosetso ya porojeke le tsamaiso ya porojeke eno le diporojeke tse dingwe tsa EIA; e ikgolaganye le wena ka diporojeke tse; e neelana ka yone go batho ba bangwe ba ba dumeletsweng ka maikaelelo a semolao, go akaretsa le go e fetsetsa kwa dinageng tse dingwe; go e tsamaisa go ya ka ditiro tsa molao (go diragatsa maikarabelo a tumalano, semolao le pholisi ya batho botlhe, le go sireletsa dikgatlhogo tsa konokono tsa SLR le batho ba bangwe ba ba dumeletsweng). SLR e tla kokonya fela tshedimosetso ya botho e e tlhokegang. SLR (le batho ba bangwe ba ba dumeletsweng) e tla dirisa fela go dira ditiro tse di kafa molaong, mme e tseye dikgato tse di lekaneng le tse di tshwanelang tsa go e sireletsa, go thibela ka tsela epe fela gore e se ka ya senyega, kgotsa e latlhege, e bonwe ke batho ba bas a tshwanelang, kgotsa gore e anamisiwe. **Ditshwanelo tsa gago:** O ka kopa SLR gore e go neye maina a batho ba ba dumeletsweng, le dintlha tsa gago tsa botho tse di mo lenaaneng la tshedimosetso la I&AP. O ka ganetsa tirisio yay one, kgotsa wa kopa go baakanya, go phimola kgotsa go senya tshedimosetso, ka nako epe fela ka go ikgolaganya le SLR ka email kgotsa ka go e kwalela. Le fa go ntse jalo, o tshwanetse go tlhaloganya go re SLR (kgotsa batho ba ba dumeletsweng) e ka se kgone go phimola kgotsa ya senya tshedimosetso ya gago ka mabaka a semolao kgotsa a pholisi ya batho botlhe. SLR e tla go fa mabaka. O ka romela ngongorego ya gago ya tshedimosetso go: <https://justice.gov.za/infocore/>. Linki ya SLR's pholisi ya go boloka tshedimosetso e le sephiri: <https://cdn.slrconsulting.com/uploads/2020-08/slr-privacy-notice>.

OPENBARE DEELNAMEPROSES

THARISA MINERALS (EDMS.) BPK.

BYKOMENDE BERGING VAN AFVALKLIP BY DIE THARISA-MYN

Tharisa Minerals (Edms.) Bpk. (Tharisa) is 'n oopgroefmynboubedryf wat chroom en platinumgroepmetaalkonsentraat produseer. Die oopgroefmyn is geleë op die plaas 342 JQ en Elandsdrift 467 JQ naby die dorp Marikana in die Bojanala Distriksmunisipaliteit en Rustenburg Plaaslike Munisipaliteit, Noordwes-provinsie.

Mynbou word in twee mynboseksies onderneem, naamlik die Oos- en Wesmyn, deur gebruik te maak van konvensionele oopgroefvragmotor- en graafmetodes. Afvalklip uit die oopgroefgebiede word óf op afvalkliphope (WRD's – *waste rock dumps*) opgegaar óf as deel van gelyktydige rehabilitasie in die oopgroef teruggevuul. As deel van sy voortgesette mynbeplanning het Tharisa die behoefte aan bykomende berging van afval op die terrein geïdentifiseer. Tharisa stel dus voor om 'n voorheen goedgekeurde WRD uit te brei en om WRD's bo heropgevuulde gedeeltes van die Oostelike en Westelike groewe te vestig. Tharisa doen ook aansoek om die kapasiteit van die bestaande bergingsfasiliteit vir spoelsels (TSF's) te vergroot deur die toename in die hoogte van die TSF.

Kennis geskied hiermee van die aansoeke wat ingevolge die omgewingswetgewing wat hieronder gelys word by die **Noordwes Departement van Minerale Hulpbronne en Energie** gedoen moet word:

Gelyste Aktiwiteite	Gelyste Aktiwiteite	Sleutelproseselemente
Wet op die Ontwikkeling van Minerale en Petroleum-hulpbronne (Wet 28 van 2002) (MPRDA)	Die myn se OBPr moet bygewerk word om voorgestelde veranderinge te weerspieël. 'n Artikel 102-aansoek wat ingedien word vir 'n wysiging van 'n Omgewingsbestuursprogram (OBPr), wat uitgereik is ingevolge die MPRDA, moet ingevolge die Nasionale Wet op Omgewingsbestuur (Wet 107 van 1998) (NEMA), hanteer word.	<ul style="list-style-type: none"> • Artikel 102-aansoek (MPRDA)
Nasionale Wet op Omgewingsbestuur: Afval, (Wet 59 van 2008) (NEM:WA)	<p>Staatskennisgewing R921 van 2013, soos gewysig: Kategorie B, Aktiwiteit 7: Die wegdoening van enige hoeveelheid gevaarlike afval in die grond – <i>van toepassing op alle voorgestelde projek-WRD's en spoelsels aangesien die materiaal gevaarlik kan wees.</i></p> <p>Staatskennisgewing R921 van 2013, soos gewysig: Kategorie B, Aktiwiteit 10: – Konstruksie vir 'n fasiliteit vir afvalbestuur in Kategorie B. <i>Die voorgestelde WRD en TSF hoogte toename ingevolge Aktiwiteit 11 verg konstruksie-aktiwiteite.</i></p> <p>Staatskennisgewing R921 van 2013, soos gewysig: Kategorie B, Aktiwiteit 11: Die vestiging van residu-voorraadstapels of afsettings, wat ingevolge die MPRDA, 'n Mynreg verg – <i>die voorgestelde WRD's en TSF word as residu-voorraadstapels geag.</i></p>	<ul style="list-style-type: none"> • Aansoek om Geïntegreerde Omgewingsmagtiging (OM) (NEMA) en Afvalbestuurslisensie (WML) (NEM:WA) • Bestekopname-verslag en OIE en OBPr
Wet op Nasionale Omgewingsbestuur (Wet 107 van 1998) (NEMA) en Regulasies op Omgewingsimpakevaluering (OIE-regulasies) Staatskennisgewing R983 van 2014, soos gewysig	<p>Staatskennisgewing 983 van 2014, soos gewysig: Lyskennisgewing 1, Aktiwiteit 21D: Enige aktiwiteit, insluitend die bedryf van daardie aktiwiteit wat 'n wysiging of variasie van 'n reg of permit ingevolge artikel 102 van die MPRDA vereis, asook enige ander toepaslike aktiwiteit vervat in hierdie Lyskennisgewing of in Lyskennisgewing 3 van 2014 wat vir sodanige wysiging vereis word – <i>die voorgestelde projek vereis die indiening van 'n artikel 102-aansoek ingevolge die MPRDA.</i></p> <p>NEMA OIE Staatskennisgewing 983 van 2014, soos gewysig: Lyskennisgewing 1, Aktiwiteit 27: Die opruiming van 'n gebied van 1 hektaar of meer, maar minder as 20 ha inheemse plantegroei, behalwe waar sodanige opruiming van inheemse plantegroei – <i>een van die WRD's sal ongeveer 1 ha inheemse plantegroei opruim.</i></p> <p>Staatskennisgewing R983 van 2014, soos gewysig: Lyskennisgewing 1, Aktiwiteit 34: Die uitbreiding van aktiwiteite wat 'n gewysigde lisensie ingevolge nasionale of provinsiale wetgewing verg wat die vrystelling van besoedeling reguleer – <i>alle projekkomponente vereis 'n gewysigde Geïntegreerde Watergebruiklisensie (IWUL).</i></p> <p>Staatskennisgewing R985 van 2014, soos gewysig: Lyskennisgewing 3, Aktiwiteit 12: Die ontbossing van 'n gebied van 300 m² of groter van inheemse plantegroei in spesifieke geografiese gebiede – <i>die voorgestelde projek sal meer as 300 m² inheemse plantegroei binne kritieke biodiversiteitsgebiede opruim.</i></p>	<ul style="list-style-type: none"> • Belanghebber-betrokkenheidsproses en spesialisinsette

SLR Consulting (South Africa) (Edms.) Bpk., 'n onafhanklike firma van omgewingskonsultante, is aangestel om die omgewingsevalueringproses te bestuur. Alle belanghebbende word uitgenooi om as Belangstellende en Geaffekteerde Partye (B&GP's) te registreer en om enige aanvanklike kommentaar teen **25 April 2022** by SLR in te dien. **Weens COVID-19-beperkings, sal aanlyn- en digitale platforms (sover moontlik) gebruik word om met B&GP's te skakel.** Alle geregistreerde B&GP's sal steeds vir die volle tydsduur van die omgewingsevalueringproses die geleentheid hê om deel te neem en kommentaar te lewer. Geregistreerde B&GP's sal verwittig word wanneer die Bestekopnamesverslag, OIE en OBPr beskikbaar is vir openbare insae. Om te registreer, of om seker te maak dat u wel geregistreer is en/of om enige kommentaar op die voorgestelde projek en proses in te dien, moet u SLR op die kontakbesonderhede hieronder kontak:

Reinett Mogotshi

E-pos: rmogotshi@slrconsulting.com

Tel: 011 467 0945

Posadres: Posbus 1596, Cramerview, 2060 (Let wel: As u die posdiens gebruik, moet u ons asseblief ook telefonies kontak om ons van u indiening in kennis te stel.)

Deur u persoonlike inligting te verskaf om as 'n B&GP vir hierdie projek geregistreer te word, stem u in dat SLR u inligting ingevolge die Wet op Beskerming van Persoonlike Inligting, Wet 4 van 2013 bestuur. Dit sluit in: die behoud en gebruik van u Persoonlike Inligting as deel van 'n kontakdatabasis vir hierdie en/of ander OSIE's, om u te kontak in verband met hierdie en/of ander OSIE-prosesse, om die databasis vir wetlike doeleindes aan ander gemagtigde partye bekend te maak, insluitend die aansoeker, en om enige korrespondensie by die OSIE-verslae in te sluit. U kan, deur vir SLR te kontak, enige tyd versoek dat u Persoonlike Inligting uit die projekdatabasis verwyder word of dat u kommentaar nie by OSIE-verslae ingesluit word nie.

PUBLIC PARTICIPATION PROCESS

THARISA MINERALS (PTY) LTD

ADDITIONAL WASTE STORAGE AT THE THARISA MINE

Tharisa Minerals (Pty) Ltd (Tharisa) is an opencast mining operation that produces chrome and platinum group metals concentrate. The opencast mine is located on the farms 342 JQ and Elandsdrift 467 JQ near the town of Marikana in the Bojanala District Municipality and Rustenburg Local Municipality, North West Province.

Mining is undertaken in two mining sections, namely the East Mine and West Mine, using conventional open pit truck and shovel methods. Waste rock from the open pit areas is either stockpiled on Waste Rock Dumps (WRD's) or backfilled into the open pit as part of concurrent rehabilitation. As part of its on-going mine planning Tharisa has identified the need for additional waste storage on site. Tharisa is therefore proposing to extend a previously approved WRD's and establishing WRD's above backfilled portions of the East and West pits. Tharisa is also applying to increase the capacity of the existing tailings storage facilities (TSFs) in the form of self-raising.

Notice is hereby given of the applications to be made to the **North West Department of Mineral Resources and Energy** in terms of the environmental legislation listed below:

Legislation	Listed Activities	Key Process Elements
Mineral and Petroleum Resources Development Act (No. 28 of 2002) (MPRDA)	The mine's EMPr must be updated to reflect proposed changes. A Section 102 application submitted for an amendment of an Environmental Management Programme (EMPr), issued in terms of the MPRDA must be dealt with in terms of the National Environmental Management Act, (No. 107 of 1998) (NEMA).	<ul style="list-style-type: none"> Section 102 application (MPRDA)
National Environmental Management: Waste Act (No. 59 of 2008) (NEM: WA)	<p>Government Notice Regulation (GNR) 921 of 2013, as amended: Category B, Activity 7: The disposal of any quantity of hazardous waste to land - <i>applicable to all proposed project WRD's and tailings as the material may be hazardous.</i></p> <p>GNR 921 of 2013, as amended: Category B, Activity 10: – Construction for a facility for waste management in Category B. <i>The proposed WRD and TSF lift as per Activity 11 requires construction activities.</i></p> <p>GNR 921 of 2013, as amended: Category B, Activity 11: The establishment of residue stockpiles or deposits, which require a Mining Right in terms of the MPRDA – <i>The proposed WRD's and TSF lift are deemed residue stockpiles.</i></p>	<ul style="list-style-type: none"> Integrated Environmental authorisation (EA) (NEMA) and Waste Management Licence (WML) (NEM:WA) application Scoping Report and EIA and EMPr
National Environmental Management Act (No. 107 of 1998), and Environmental Impact Assessment (EIA) Regulations GNR 983 of 2014, as amended	<p>GNR 983 of 2014, as amended: Listing Notice 1, Activity 21 D: Any activity including the operation of that activity which requires an amendment or variation to a right to a right or permit in terms of section 102 of the MPRDA, as well as any other applicable activity contained in this Listing Notice or in Listing Notice 3 of 2014, required for such amendment – <i>the proposed project requires the submission of a section 102 application in terms of the MPRDA.</i></p> <p>NEMA EIA GNR 983 of 2014, as amended: Listing Notice 1 Activity 27: The clearance of an area of 1 hectares or more, but less than 20 ha of indigenous vegetation, except where such clearance of indigenous vegetation – <i>One of the WRD's will clear approximately 1 ha of indigenous vegetation.</i></p> <p>GNR 983 of 2014, as amended: Listing Notice 1, Activity 34: The expansion of activities that need an amended licence in terms of national or provincial legislation governing the release of pollution - <i>all project components require an amended Integrated Water Use Licence (IWUL).</i></p> <p>GNR 985 of 2014, as amended: Listing Notice 3, Activity 12: The clearance of an area of 300 m² or more of indigenous vegetation within specific geographical areas – <i>The proposed project will clear more than 300 m² of indigenous vegetation within critical biodiversity area.</i></p>	<ul style="list-style-type: none"> Stakeholder engagement process and specialist input

SLR Consulting (South Africa) (Pty) Ltd, an independent firm of environmental consultants, has been appointed to manage the environmental assessment process. All stakeholders are invited to register as Interested and Affected Parties (I&APs) and submit any initial comments to SLR by **25 April 2022 Due to COVID-19 restrictions, online and digital platforms will be utilised (as far as possible) to engage with I&APs.** All registered I&APs will continue to be given the opportunity to participate and comment for the full duration of the environmental assessment process. Registered I&APs will be notified when the Scoping Report, EIA and EMPr is available for public review. To register or to check that you are registered and/or to submit any comment on the proposed project and process contact SLR at the contact details below:

Reinett Mogotshi

Email: rmogotshi@slrconsulting.com

Tel: 011 467 0945

Post: PO Box 1596, Cramerview, 2060 (Note: If using post, please also contact us telephonically to notify us of your submission).

By providing your personal information to be registered as an I&AP for this project you consent to SLR managing your information in accordance with the Protection of Personal Information Act 4 of 2013. This includes; retaining and using your Personal Information as part of a contact database for this and/or other ESIA's, contacting you regarding this and/or other ESIA processes, disclosing the database to other authorised parties including the applicant for lawful purposes, and including any correspondence in the ESIA Reports. You may request for your Personal Information to be deleted from the Project database or comments to be excluded from ESIA Reports at any time by contacting SLR.

TIRO YA BOTSAYAKAROLO JWA SETŠHABA

THARISA MINERALS (PTY) LTD

MABOLOKELO A A OKETSEGILENG A MAJE A A LATLHILWENG KWA MOEPONG WA THARISA

Tharisa Minerals (Pty) Ltd (Tharisa) ke khampani ya moepo wa khuti e e bulegileng o o tlhagisang ditlhopho tsa selekanyo se segolo sa ditshipi tsa *chrome* le polatinamo. Moepo wa khuti e e bulegileng o mo polasing ya 342 JQ le Elandsdrift 467 JQ, gaufi le toropo ya Marikana mo Masepaleng wa Kgaolo wa Bojanala le Masepala wa Selegae wa Rustenburg, Porofenseng ya Bokone Bophirima.

Go epa go dirwa mo dikarolong tse pedi tsa meepo, e leng kwa East Mine le West Mine, go dirisiwa mekgwa e e tlwaelegileng ya dilori tsa mekwatla e e bulegileng le digarawe. Maje a a latlhilweng go tswa mo mafelong a meepo ya dikhuti tse di bulegileng a ka tswa a kokoantswe mo mafelong a maje a a latlhilweng [Waste Rock Dumps (WRD's)] kgotsa a busediwa mo dikhuting tse di bulegileng jaaka karolo ya go tsosolosa lefatsho leo. E re ka e le karolo ya leano la yone le le tswelelang, Tharisa e lemogile gore go tlhokega mabolokelo a a oketsegileng a matlakala mo lefelong la mmereko. Ka ntlha ya seno, Tharisa e akantsha go oketsa WRD e e neng e setse e dumeletsweng le go tlhoma dikarolwana tse di fa godimo tsa maje a a buseditsweng tsa di-WRD mo dikhuting tsa East le West. Gape Tharisa e ikwadisa go oketsa bogolo jwa lefelo la mabolokelo a maje a a latlhilweng [tailings storage facility (TSF)] ka mokgwa wa go oketsa bolelee.

Ka jalo, go ntshitswe kitsiso ya go ikwadiswa kwa **Lefapheng la Didirisiwa Tsa Diminerale le Maatla mo Bokone Bophirima** go ya ka melaotheo ya tikologo e e kwadilweng fa fatshe:

Molaotheo	Lenaane la Ditiro	Dikarolo Tsa Botlhokwa Tsa Tiro
Molao wa Tlhabololo ya Diminerale le Didirisiwa tsa Petoroli amo (Molao 28 wa 2002) (MPRDA)	EMPr ya moepo e tshwanetse go tlhabololwa gore e tlhagise diphethogo tse di akanyeditsweng. Ikwadiso ya Karolo 102 e rometswe gore Thulaganyo ya Tsamaiso ya Tikologo [Environmental Management Programme (EMPr)] e romelwe, e e ntshitsweng go ya ka MPRDA mme e dirwa go ya ka Molao wa Tsamaiso ya Tikologo ya Bosetšhaba, (Molao 107 wa 1998) (NEMA).	<ul style="list-style-type: none"> Karolo 102 ya ikwadiso (MPRDA)
Molao wa Tsamaiso ya Tikologo ya Bosetšhaba: Leswe, Molao 59 wa 2008 (NEM: WA)	<p>Molao wa Kitsiso ya Puso [Government Notice Regulation (GNR)] 921 wa 2013, jaaka o fetotswe: Karolo B, Tiro 7: Go latlwa ga selekanyo sepe fela sa matlakala a a kotsi mo lefatsheng – o a tlhokega mo diporojekeng tsotlhe tse di akanyeditsweng tsa di-WRD le maje a a latlhilweng e re ka matlakala ao a le kotsi.</p> <p>GNR 921 wa 2013, jaaka o fetotswe: Karolo B, Tiro 10: – Go agiwa ga lefelo la tsamaiso ya matlakala mo Karolo B. <i>TSF e e akanyeditsweng go ya ka Tiro 11 e tlhoka kago ya ditiro.</i></p> <p>GNR 921 wa 2013, jaaka o fetotswe: Karolo B, Tiro 11: Go tlhamiwa ga masalela a a kokoantsweng, go go tlhokang Tshwanelo ya Moepo go ya ka MPRDA – <i>Di-WRD le TSF tse di akanyeditsweng di tswa e le masalela a a kokoantsweng.</i></p>	<ul style="list-style-type: none"> Molao wa Tsamaiso ya Tikologo ya Bosetšhaba (EA) le ikwadiso ya Laesense ya Tsamaiso ya Leswe (WML) (NEM:WA) Tshekatsheko ya Diphelelo Tsa mo Tikologong EIA le EMPr Tsamaiso ya go nna le seabe ga batsayakarolo le dikakgelo tsa moitseanape
NEMA le Molao ya Tshekatsheko ya Diphelelo Tsa mo Tikologong (EIA) GNR 983 wa 2014, jaaka e fetotswe	<p>GNR 983 wa 2014, jaaka o fetotswe: Ikwadiso ya Kitsiso 1, Tiro 21 D: Tiro epe fela go akaretse se se dirwang mo tirong eo go go tlhokang phetogo kgotsa go fetolwa ga tshwanelo kgotsa tetla go ya ka karolo 102 ya MPRDA, mmogo le tiro epe fela e e matshwanedi e e mo Lenaaneng leno la Kitsiso kgotsa e e mo Lenaaneng la Kitsiso 3 ya 2014, e e tlhokegang go dira phetogo e e jaana. – <i>porojeke e e akanyeditsweng e tlhoka gore go romelwe ikwadiso ya karolo 102 go ya ka MPRDA.</i></p> <p>NEMA EIA GNR 983 wa 2014, jaaka o fetotswe: Ikwadiso ya Kitsiso 1 Tiro 27: Go phepafadiwa ga lefelo le le kana ka diheketara di le 1 kgotsa go feta, mme gone le le kwa tlase ga diheketara di le 20 tsa dimela tsa selegae, kwantle ga fa e le gore go tloswa dimela tsa selegae – <i>Lengwe la di-WRD le tla tlosa mo e ka nna heketara o le 1 wa dimela tsa selegae.</i></p> <p>GNR 983 wa 2014, jaaka o fetotswe: Ikwadiso ya Kitsiso 1, Tiro 34: Go anamisiwa ga ditiro tse di tlhokang laesense e e fetotsweng go ya ka molaotheo wa naga kgotsa porofense o o okametseng kgololo ya kgotlelo – <i>dirisiwa tsotlhe di tlhoka Laesense ya Tiriso e e Kopaneng ya Metsi [Integrated Water Use Licence (IWUL)].</i></p>	
	GNR 985 wa 2014, jaaka o fetotswe: Ikwadiso ya Kitsiso 3, Tiro 12: Go gololwa ga lefelo la 300 m ² kgotsa go feta ga dimela tsa selegae mo dikarolong tse di rileng tsa lefelo – <i>Porojeke e e akanyeditsweng e tla golola dimela tsa selegae tsa lefelo le le fetang 300 m² mo dikarolong tsotlhe tsa botlhokwa thata tsa mefutafuta ya ditshedi.</i>	

SLR Consulting (South Africa) (Pty) Ltd, ke setheo se se ikemetseng sa bagakolodi ba tikologo, se se tlhomilweng go tsamaisa tsamaiso ya tlhatlhoba ya tikologo. Batsayakarolo botlhe ba kopiwa go ikwadisa jaaka Batsayakarolo ba Ba Kgatlhegang Le ba Ba Amegang [Interested and Affected Parties (I&APs)] mme ba romele dikakgelo dipe fela tse ba nang le tsone go SLR ka **25 Moranang 2022. Ka ntlha ya dithibelo tsa COVID-19, dipolatefomo tsa internet di tla dirisiwa (go ya bokgakaleng jo bo kgonegang) go mekamekana le di-I&AP.** Di-I&AP tsotlhe tse di kwaditsweng di tla tswelela di nwa tshono ya go nna le seabe le go akela mo nakong yotlhe ya tiro ya go tlhatlhoba tikologo. Di-I&AP tse di kwaditsweng di tla itsisiwa fa Pego ya go Tlhatlhoba, EIA le EMPr di setse di le gone gore batho ka kakaretso ba ka di sekaseka. Go ikwadisa kgotsa go tlhola gore o ikwadisitse le/kgotsa go romela kakgelo epe fela kaga porojeke e e akanyeditsweng le tsamaiso ya yone, ikgolaganye le SLR mo dintlheng tsa go ikgolaganya fa fatshe:

Reinett Mogotshi

Imeili: rmogotshi@slrconsulting.com

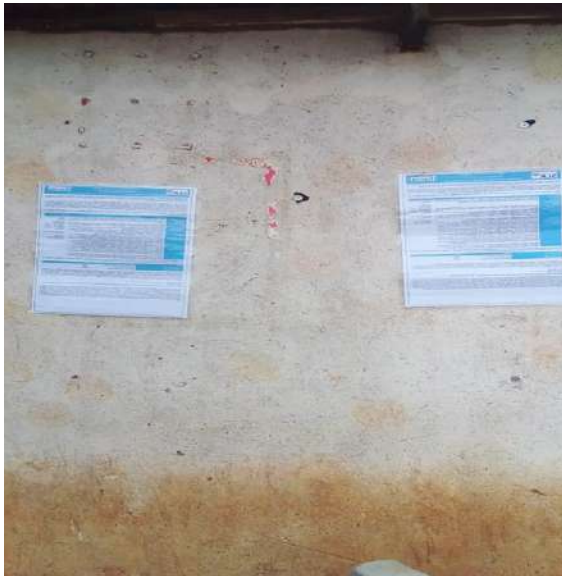
Nomoro ya mogala: 011 467 0945

Poso: PO Box 1596, Cramerview, 2060 (Ela tlhoko: Fa e le gore o dirisa poso, tsweetswee ikgolaganye gape le rona ka founo go re itsise gore o rometse sengwe ka poso).

Fa o neelana ka tshedimosetso ya gago ya botho gore e kwadisiwe go nna I&AP mo porojekeng eno, o dumela gore SLR e laole tshedimosetso eo go ya ka Molao wa Tshireletso ya Tshedimosetso ya Botho, Molao 4 wa 2013. Seno se akaretse; go boloka le go dirisa Tshedimosetso ya gago ya Botho jaaka karolo ya lenaane la tshedimosetso ya go ikgolaganya ka lebaka leno le/kgotsa di-ESIA tse dingwe, go ikgolaganya le wena malebana le ditiro tsa ESIA eno le/kgotsa tse dingwe, go phasalatsa lenaane la tshedimosetso kwa bathong ba bangwe ba ba dumeletsweng, go akaretse motho yo o ikwadisitse, ka ntlha ya dipatlafalo tsa molao, le go akaretse dipuisano dipe fela tse di mo Dipegong tsa ESIA. Ka nako epe fela, o ka kopa gore Tshedimosetso ya gago ya Botho e phimolwe mo lenaaneng la tshedimosetso la Porojeke kgotsa dikakgelo di se ka tsa akarediwa mo Dipegong tsa ESIA ka go ikgolaganya le SLR.

ADDITIONAL WASTE STORAGE AT THE THARISA MINE – DECEMBER 2021

Bokamoso:



Site 1: Bokamoso Spaza Shop

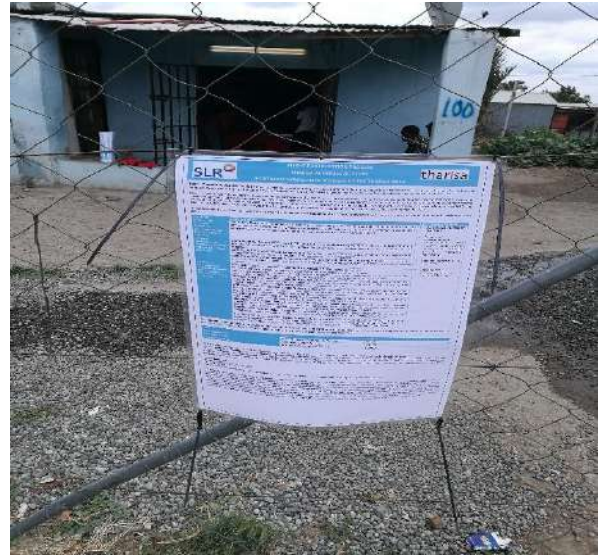
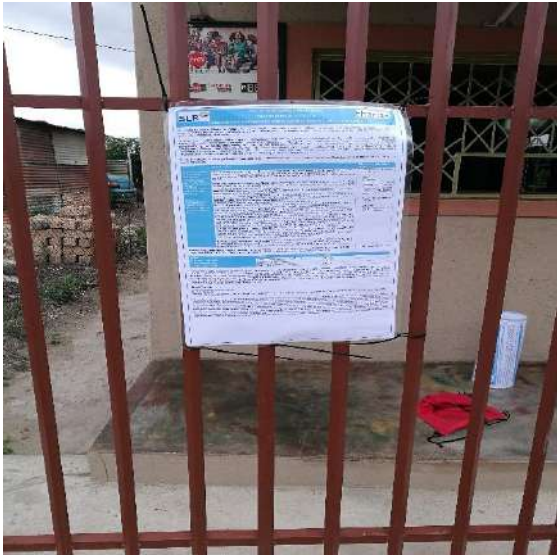
Site 2: Bokamoso Community Hall



Site 3: Four way Stop near Shopping Toyota Garage – Moonooi / Bokamoso

Site 3: Four way Stop near Shopping Toyota Garage – Moonooi / Bokamoso

Mmaditlhokwa:



Site 1: Spaza Shop Located in Mmaditlhokwa

Site 2: Spaza Shop Located in Mmaditlhokwa



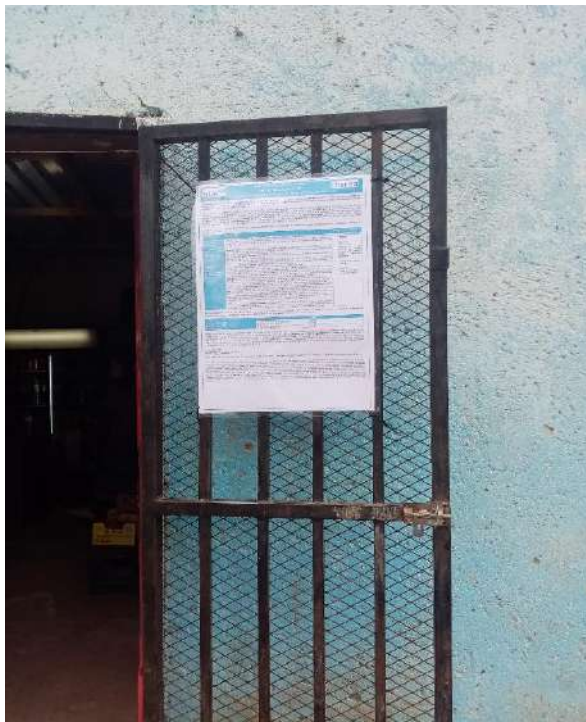
Site 3: Mmaditlhokwa Community Hall

Site 4: Mmaditlhokwa Center



Site 5:

Lapologang:



Site 1:



Site 3:

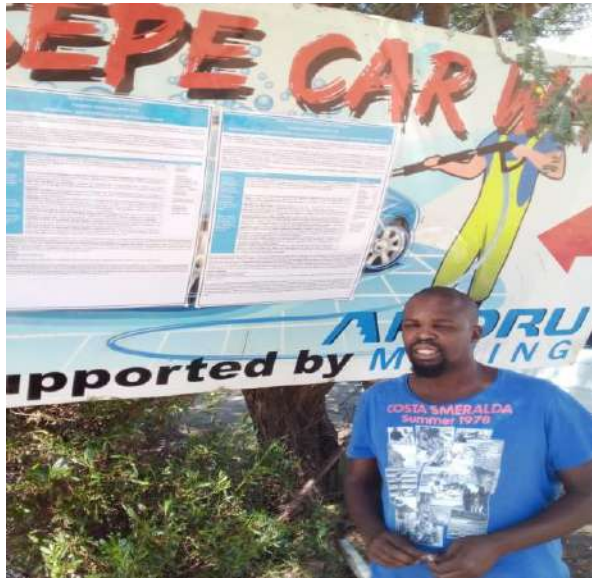
Site 2:



Site 4:

ADDITIONAL WASTE STORAGE AT THE THARISA MINE – APRIL 2021

Lapologang:



Site 1: Motsepe Car Was



Site 2: Mambush Spaza Shop



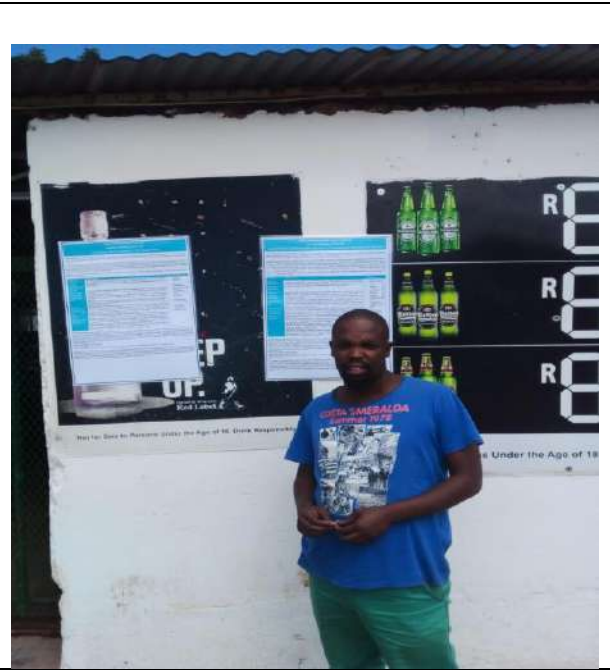
Site 3: Chauke's Tuckshop



Site 4: Gift Tuckhop

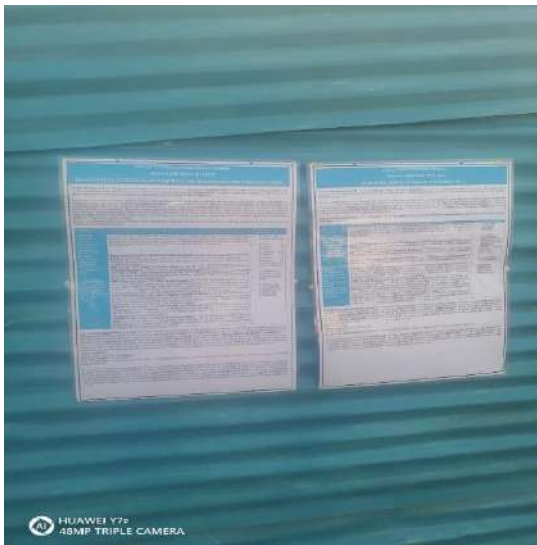


Site 5: Mutaung's Tuckshop



Site 6: Lapologang's Tshisanyama

Mmaditlhokwa:



Site 1: Spaza Shop located in Mmaditlhokwa

Site 2: Spaza Shop located in Mmaditlhokwa



Site 3: Spaza Shop located in Mmaditlhokwa

Site 4: Mmaditlhokwa Center



Laerskool Elandskraal in Mooinooi het Woensdag, 17 November hul 2021-erkenning-aand gehou. Carissa Nell is as die Dux-leerder en Elie van die Jaar aangewys.

BRITS – SANDDRIFT
– Tydens die jaarlikse prysuitdeling van Laerskool Sanddrift is talle leerders vir hulle harde en getroue werk beloon.

Sandties vir prestasies beloon



Lianke Strydom het die karaktertrofee ontvang. Dié trofee word oorhandig aan 'n leerder wat op emosionele vlak, te alle tye, goed of sleg, geen wisselvallige karakter getoon het nie. Sy was deurentyd hulpvaardig, met 'n glimlag op die gesig en vriendelik in alles wat sy aangepak het, met groot ywer en deursettingsvermoë gedoen het. 'n Kind met 'n standvastige en opregte hart, dis Lianke.



Leanette Fourie, 'n leerder van Laerskool Sanddrift het by die skool se jaarlikse prysuitdeling die Pro Excellentia-trofee as toppresterder in gr. 4-7 ontvang.

OPENBARE DEELNAMEPROSES THARISA MINERALS (EDMS.) BPK. BYKOMENDE BERGING VAN AFVALKLIP BY DIE THARISA-MYN

Tharisa Minerals (Edms.) Bpk. (Tharisa) is 'n oopgroefmynbedryf wat chroom en platinumgroepmetaalkonsentraat produseer. Die oopgroefmyn is geleë op die plaas 342 JQ en Elandsdrift 467 JQ naby die dorp Marikana in die Bojanala Distriksmunisipaliteit en Rustenburg Plaaslike Munisipaliteit, Noordwes-provinsie.

Mynbou word in twee mynbousekies onderneem, naamlik die Oos- en Wesmyn, deur gebruik te maak van konvensionele oopgroefvragmotor- en graafmetodes. Afvalklip uit die oopgroefgebiede word of op afvalkliphope (AKH's) opgegarf of as deel van gelyktydige rehabilitasie in die oopgroef teruggeval. As deel van sy voortgesette mynbeplanning het Tharisa die behoefte aan bykomende berging van afvalklip op die terrein geïdentifiseer. Tharisa doen dus aan die hand om 'n nuwe AKH te vestig, wat 'n reeds-goedgekeurde AKH vergroot en AKH's bo-op teruggevalde gedeeltes van die Oos- en Wes-groef te vestig. Tharisa doen ook aansoek om 'n nuwe uitkotbergingsfasiliteit (UBF) te bou.

Kennis geskied hiermee van die aansoek wat ingevolge die omgewingswetgewing wat hieronder gelys word by die Noordwes Departement van Minerale Hulpbronne en Energie gedoen moet word:

Gelyke Aktiwiteite	Gelyke Aktiwiteite	Stuipprosedurelemente
Wet op die Ontwikkeling van Minerale en Petroleum-hulpbronne (Wet 28 van 2002) (MPROA) Nasionale Wet op Omgewingsbestuur: Afval, Wet 59 van 2008 (NEM:WA)	Die myn se OBPr moet bygewerk word om beoogde veranderinge te weerspieël. 'n Artikel 102-aansoek wat ingedien word vir 'n wysiging van 'n Omgewingsbestuursprogram (OBPr), wat uitgereik is ingevolge die MPRDA, moet ingevolge die Nasionale Wet op Omgewingsbestuur (Wet 107 van 1998) (NEMA), hanteer word.	• Artikel 102-aansoek (MPRDA)
NEMA en Regulasie op Omgewings-impakbeoordeling (OIE-regulasie) Staatskenningsgewing R983 van 2014, soos gewysig	Staatskenningsgewing R921 van 2013, soos gewysig: Kategorie B, Aktiwiteit 7: Die wegdoening van enige hoeveelheid gevaarlike afval in die grond – van toepassing op alle beoogde projek-AKH's aangesien die materiaal gevaarlik kan wees.	• Aansoek om Geïntegreerde Omgewings-magtiging (OM) (NEMA) en Afvalbestuurslisensie (WML) (NEM:WA)
	Staatskenningsgewing R921 van 2013, soos gewysig: Kategorie B, Aktiwiteit 10: – Konstruksie vir 'n fasiliteit vir afvalbestuur in Kategorie B. Die beoogde UBF ingevolge Aktiwiteit 11 verg konstruksie-aktiwiteite.	• Bestekopname-verslag en OIE en OBPr
	Staatskenningsgewing R921 van 2013, soos gewysig: Kategorie B, Aktiwiteit 11: Die vestiging van residu-voorraadstapels of afsettings, wat ingevolge die MPRDA, 'n Mynreg verg – die beoogde AKH's en UBF word as residu-voorraadstapels geag.	• Belanghebbertrokkeproses en spesialisinsette
	Staatskenningsgewing R983 van 2014, soos gewysig: Lyskenningsgewing 1, Aktiwiteit 12: Die ontwikkeling van – (ii) infrastruktuur of strukture met 'n fisiese voetspoor van 100 vierkant meter of groter; waar sodanige ontwikkeling plaasvind – (a) in 'n waterloop – verspreide vleilande ingevolge die Nasionale Varswater Ekosistiem Prioriteitsgebiede (NFEPA) se databasis is in die voetspoor van die AKH geleë.	
	Staatskenningsgewing R983 van 2014, soos gewysig: Lyskenningsgewing 1, Aktiwiteit 30: Enige proses of aktiwiteit wat geïdentifiseer is ingevolge Artikel 53(1) van die Nasionale Wet op Omgewingsbestuur: Biodiversiteit, 2004 (Wet 10 van 2004) – die beoogde projek is in die bedreigde Marikana-doringveld-plantegroei-gebied geleë.	
	Staatskenningsgewing R983 van 2014, soos gewysig: Lyskenningsgewing 1, Aktiwiteit 34: Die uitbreiding van aktiwiteite wat 'n gewysigde lisensie ingevolge nasionale of provinsiale wetgewing verg wat die vrystelling van besoedeling reguleer – uitbreiding van 'n reeds-goedgekeurde AKH verg 'n gewysigde Geïntegreerde Watergebruiklisensie (IWUL)*.	
	Staatskenningsgewing R983 van 2014, soos gewysig: Lyskenningsgewing 1, Aktiwiteit 48: Die uitbreiding van infrastruktuur binne 32 m van 'n waterloop af – die beoogde AKH's sal binne 32 m van nie-standhoudende waterlope af wees.	
	Staatskenningsgewing R984 van 2014, soos gewysig: Lyskenningsgewing 2, Aktiwiteit 6: Die ontwikkeling van aktiwiteite wat 'n gewysigde lisensie ingevolge nasionale of provinsiale wetgewing verg wat die vrystelling van besoedeling reguleer – die ontwikkeling van 'n nuwe AKH (insluitende dié op teruggevalde gedeeltes van die oop groewe) verg 'n gewysigde IWUL.	
	Staatskenningsgewing R984 van 2014, soos gewysig: Lyskenningsgewing 2, Aktiwiteit 15: Die ontbossing van inheemse plantegroei (meer as 20 ha) – die beoogde projek kan die ontbossing van meer as 20 ha inheemse plantegroei verg.	
	Staatskenningsgewing R985 van 2014, soos gewysig: Lyskenningsgewing 3, Aktiwiteit 12: Die ontbossing van 'n gebied van 300 m ² of groter van inheemse plantegroei in spesifieke geografiese gebiede – die beoogde projek sal die ontbossing van meer as 300 m ² inheemse plantegroei in sensitiewe geografiese gebiede ingevolge provinsiale en nasionale databasisse verg.	

SLR Consulting (South Africa) (Edms.) Bpk., 'n onafhanklike firma van omgewingskonsultante, is aangestel om die omgewingsevalueringsproses te bestuur. Openbare vergaderings word as deel van die openbare deelnameproses soos volg gereël:

Datum	Plak	Tyd
8 Desember 2021	Mmaditshokwa Community Centre	09h00
8 Desember 2021	Lapologang Open Space	14h00
9 Desember 2021	Bokamoso Community Centre	09h00

Alle belanghebbers word uitgenooi om as Belangstellende en Geïmpakteerde Partye (B&GPs) te registreer en om enige aanvanklike kommentaar teen 13 Desember 2021 by SLR in te dien. Weens COVID-19-bepelings, sal aanlyn- en digitale platforms (sover moontlik) gebruik word om met B&GPs te skakel. Alle geregisterde B&GPs sal steeds vir die volle tydsduur van die omgewingsevalueringsproses die geleentheid hê om deel te neem en kommentaar te lewer. Geregisterde B&GPs sal verwittig word wanneer die Bestekopnamesverslag, OIE en OBPr beskikbaar is vir openbare insae. Om te registreer, of om seker te maak dat u wel geregistreer is en/of om enige kommentaar op die beoogde projek en proses in te dien, moet u SLR op die kontakbesonderhede hieronder kontak:

Reinett Mogotshi
E-pos: rmogotshi@slrconsulting.com, Tel: 011 467 0945
Posadres: Posbus 1596, Cramerview, 2060 (Let wel: As u die posdiens gebruik, moet u ons asseblief ook telefonies kontak om ons van u indiening in kennis te stel.)

Deur u persoonlike inligting te verskaf om as 'n B&GP vir hierdie projek geregistreer te word, stem u in dat SLR u persoonlike inligting as deel van 'n kontakdatabasis vir hierdie en ander OIE-projekte en -prosesse hou en gebruik; u kontak oor hierdie projekte; dit vir wettlike doeleindes aan ander gemagtigde partye bekend kan maak, insluitende die oordrag daarvan na ander lande toe; die verwerking daarvan vir wettlike doeleindes (nakoming van kontraktuele, wettlike en openbare beleidsverpligtinge en die beskerming van SLR en ander gemagtigde partye se wettige belange). SLR sal slegs die nodige persoonlike inligting inwin. SLR (en enige gemagtigde partye) sal dit slegs vir wettige doeleindes gebruik en redelike, gepaste sekerheidsmaatreëls inspan om dit te beskerm, en om redelikerwys enige skade aan, of verlies van, ongemagtigde toegang tot, of openbaarmaking daarvan te voorkom. U regte: U kan SLR versoek om u te voorsien van name van die gemagtigde partye en besonderhede van u persoonlike inligting wat in die B&GP-databasis gehou word. U kan enige tyd beswaar maak teen die verwerking daarvan, of versoek om dit reg te stel, te skrap of te vernietig, deur SLR per e-pos of skriftelik te kontak. U verstaan egter dat SLR (en enige gemagtigde partye) dit om wettlike of openbare beleidsredes dalk nie kan skrap of vernietig nie. SLR sal vir u die redes verstrek. U kan 'n klag by die inligtingsreguleerder indien by: <https://justice.gov.za/infocorp/>. Skakel na SLR se privaatheidsbeleid: <https://cdn.slrconsulting.com/uploads/2020-08/slr-privacy-notice.pdf>

PUBLIC PARTICIPATION PROCESS THARISA MINERALS (PTY) LTD. ADDITIONAL WASTE ROCK STORAGE AT THE THARISA MINE

Tharisa Minerals (Pty) Ltd (Tharisa) is an opencast mining operation that produces chrome and platinum group metals concentrate. The opencast mine is located on the farms 342 JQ and Elandsdrift 467 JQ near the town of Marikana in the Bojanala District Municipality and Rustenburg Local Municipality, North West Province.

Mining is undertaken in two mining sections, namely the East Mine and West Mine, using conventional open pit truck and shovel methods. Waste rock from the open pit areas is either stockpiled on Waste Rock Dumps (WRD's) or backfilled into the open pit as part of concurrent rehabilitation. As part of its on-going mine planning Tharisa has identified the need for additional waste rock storage on site. Tharisa is therefore proposing to establish a new WRD, extending a previously approved WRD and establishing WRD's above backfilled portions of the East and West pits. Tharisa is also applying to construct a new tailings storage facility (TSF).

Notice is hereby given of the applications to be made to the North West Department of Mineral Resources and Energy in terms of the environmental legislation listed below:

Legislation	Listed Activities	Key Process Elements
Mineral and Petroleum Resources Development Act (No. 28 of 2002) (MPRDA)	The mine's EMPr must be updated to reflect proposed changes. A Section 102 application submitted for an amendment of an Environmental Management Programme (EMPr), issued in terms of the MPRDA must be dealt with in terms of the National Environmental Management Act, (No. 107 of 1998) (NEMA).	• Section 102 application (MPRDA)
National Environmental Management: Waste Act, No. 59 of 2008 (NEM: WA)	Government Notice Regulation (GNR) 921 of 2013, as amended: Category B, Activity 7: The disposal of any quantity of hazardous waste to land - applicable to all proposed project WRD's as the material may be hazardous.	• Integrated environmental authorisation (EA) (NEMA) and Waste Management Licence (WML) (NEM:WA) application
	GNR 921 of 2013, as amended: Category B, Activity 10: – Construction for a facility for waste management in Category B. The proposed TSF as per Activity 11 requires construction activities.	• Scoping Report and EIA and EMPr
	GNR 921 of 2013, as amended: Category B, Activity 11: The establishment of residue stockpiles or deposits, which require a Mining Right in terms of the MPRDA – The proposed WRD's and TSF are deemed residue stockpiles.	• Stakeholder engagement process and specialist input
NEMA and Environmental Impact Assessment (EIA) Regulations: GNR 983 of 2014, as amended	GNR 983 of 2014, as amended: Listing Notice 1, Activity 12: The development of – (ii) infrastructure or structures with a physical footprint of 100 square metres or more; where such development occurs - (a) within a watercourse – scattered wetlands in terms of the National Freshwater Ecosystem Priority Areas (NFEPA) database are located within the footprint of the WRD.	
	GNR 983 of 2014, as amended: Listing Notice 1, Activity 30: Any process or activity identified in terms of section 53(1) of the National Environmental Management: Biodiversity Act, 2004 (Act No. 10 of 2004) – the proposed project is located in the endangered Marikana Thornveld vegetation type.	
	GNR 983 of 2014, as amended: Listing Notice 1, Activity 34: The expansion of activities that need an amended licence in terms of national or provincial legislation governing the release of pollution – extension of a previously approved WRD requires an amended Integrated Water Use Licence (IWUL)*.	
	GNR 983 of 2014, as amended: Listing Notice 1, Activity 48: The expansion of infrastructure within 32 m of a watercourse – proposed WRD's will be within 32 m of non-perennial watercourses.	
	GNR 984 of 2014, as amended: Listing Notice 2, Activity 6: The development of activities that need an amended licence in terms of national or provincial legislation governing the release of pollution – development of a new WRD's (inclusive of those on backfilled portions of the open pits) requires an amended IWUL.	
	GNR 984 of 2014, as amended: Listing Notice 2, Activity 15: The clearance of indigenous vegetation (more than 20 ha) – the proposed project could require the clearance of more than 20 ha of indigenous vegetation.	
	GNR 985 of 2014, as amended: Listing Notice 3, Activity 12: The clearance of an area of 300 m ² or more of indigenous vegetation within specific geographical areas – The proposed project will clear more than 300 m ² of indigenous vegetation within sensitive geographical areas in terms of provincial and national databases.	

SLR Consulting (South Africa) (Pty) Ltd, an independent firm of environmental consultants, has been appointed to manage the environmental assessment process. Public meetings have been arranged as part of the public participation process as follows:

Date	Venue	Time
8 December 2021	Mmaditshokwa Community Centre	09h00
8 December 2021	Lapologang Open Space	14h00
9 December 2021	Bokamoso Community Centre	09h00

All stakeholders are invited to register as Interested and Affected Parties (I&APs) and submit any initial comments to SLR by 13 December 2021.

Due to COVID-19 restrictions, online and digital platforms will be utilised (as far as possible) to engage with I&APs. All registered I&APs will continue to be given the opportunity to participate and comment for the full duration of the environmental assessment process. Registered I&APs will be notified when the Scoping Report, EIA and EMPr is available for public review. To register or to check that you are registered and/or to submit any comment on the proposed project and process contact SLR at the contact details below:

Reinett Mogotshi
Email: rmogotshi@slrconsulting.com
Tel: 011 467 0945
Post: PO Box 1596, Cramerview, 2060 (Note: If using post, please also contact us telephonically to notify us of your submission).

*By providing your personal information to be registered as an I&AP for this project, you consent to SLR keeping and using your personal information as part of a contact database for this and other EIA projects and processes; contacting you about these projects; disclosing it to other authorised parties for lawful purposes, including transferring to other countries; processing it for lawful purposes (fulfilling contractual, legal and public policy obligations, and protecting legitimate interests SLR and other authorised parties). SLR will only collect the necessary personal information. SLR (and any authorised parties) will only use it for lawful purposes, and use reasonable, appropriate security safeguards to protect it, reasonably prevent any damage to, or loss, unauthorised access, or disclosure thereof. Your rights: You may request SLR to provide you with names of the authorised parties, and details of your personal information held in the I&AP database. You may object to the processing thereof, or request to correct, delete or destroy it, at any time by contacting SLR by email or in writing. However, you understand that SLR (and any authorised parties) may not be able to delete or destroy it for legal or public policy reasons. SLR will provide you with the reasons. You may lodge a complaint with the information regulator at: <https://justice.gov.za/infocorp/>. Link to SLR's privacy policy: <https://cdn.slrconsulting.com/uploads/2020-08/slr-privacy-notice.pdf>



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VACCINATE
SAVE PEOPLE AROUND YOU & YOURSELF



Record Record LENTSWEE Mail Herald Herald's
Brits Pos Gemsbok AgriPulse Stallander Noordwester



SLR PUBLIC PARTICIPATION PROCESS
THARISA MINERALS (PTY) LTD
ADDITIONAL WASTE ROCK STORAGE AT THE THARISA MINE

tharisa

Tharisa Minerals (Pty) Ltd (Tharisa) is an opencast mining operation that produces chrome and platinum group metals concentrate. The opencast mine is located on the farms 342 JQ and Elandsdrift 467 JQ near the town of Marikana in the Bojanala District Municipality and Rustenburg Local Municipality, North West Province.

Mining is undertaken in two mining sections, namely the East Mine and West Mine, using conventional open pit truck and shovel methods. Waste rock from the open pit areas is either stockpiled on Waste Rock Dumps (WRD's) or backfilled into the open pit as part of concurrent rehabilitation. As part of its on-going mine planning Tharisa has identified the need for additional waste rock storage on site. Tharisa is therefore proposing to establish a new WRD, extending a previously approved WRD and establishing WRD's above backfilled portions of the East and West pits. Tharisa is also applying to construct a new tailings storage facility (TSF).

Notice is hereby given of the applications to be made to the North West Department of Mineral Resources and Energy in terms of the environmental legislation listed below:

Legislation	Listed Activities	Key Process Elements
Mineral and Petroleum Resources Development Act (No. 28 of 2002) (MPRDA)	The mine's EMPr must be updated to reflect proposed changes. A Section 102 application submitted for an amendment of an Environmental Management Programme (EMPr), issued in terms of the MPRDA must be dealt with in terms of the National Environmental Management Act, (No. 107 of 1998) (NEMA).	<ul style="list-style-type: none"> Section 102 application (MPRDA) Integrated environmental authorisation (EA) (NEMA) and Waste Management Licence (WML) (NEM:WA) application
National Environmental Management: Waste Act, No. 59 of 2008 (NEM: WA)	<p>Government Notice Regulation (GNR) 921 of 2013, as amended: Category B, Activity 7: The disposal of any quantity of hazardous waste to land - applicable to all proposed project WRD's as the material may be hazardous.</p> <p>GNR 921 of 2013, as amended: Category B, Activity 10: - Construction for a facility for waste management in Category B. The proposed TSF as per Activity 11 requires construction activities.</p> <p>GNR 921 of 2013, as amended: Category B, Activity 11: The establishment of residue stockpiles or deposits, which require a Mining Right in terms of the MPRDA - The proposed WRD's and TSF are deemed residue stockpiles.</p>	<ul style="list-style-type: none"> Scoping Report and EIA and EMPr Stakeholder engagement process and specialist input
NEMA and Environmental Impact Assessment (EIA) Regulations GNR 983 of 2014, as amended	<p>GNR 983 of 2014, as amended: Listing Notice 1, Activity 12: The development of - (ii) infrastructure or structures with a physical footprint of 100 square metres or more; where such development occurs - (a) within a watercourse - scattered wetlands in terms of the National Freshwater Ecosystem Priority Areas (NFEPA) database are located within the footprint of the WRD.</p> <p>GNR 983 of 2014, as amended: Listing Notice 1, Activity 30: Any process or activity identified in terms of section 53(1) of the National Environmental Management: Biodiversity Act, 2004 (Act No. 10 of 2004) - the proposed project is located in the endangered Marikana Thornveld vegetation type.</p> <p>GNR 983 of 2014, as amended: Listing Notice 1, Activity 34: The expansion of activities that need an amended licence in terms of national or provincial legislation governing the release of pollution - extension of a previously approved WRD requires an amended Integrated Water Use Licence (IWUL)*.</p> <p>GNR 983 of 2014, as amended: Listing Notice 1, Activity 48: The expansion of infrastructure within 32 m of a watercourse - proposed WRD's will be within 32 m of non-perennial watercourses.</p> <p>GNR 984 of 2014, as amended: Listing Notice 2, Activity 6: The development of activities that need an amended licence in terms of national or provincial legislation governing the release of pollution - development of a new WRD's (inclusive of those on backfilled portions of the open pits) requires an amended IWUL.</p> <p>GNR 984 of 2014, as amended: Listing Notice 2, Activity 15: The clearance of indigenous vegetation (more than 20 ha) - the proposed project could require the clearance of more than 20 ha of indigenous vegetation.</p> <p>GNR 985 of 2014, as amended: Listing Notice 3, Activity 12: The clearance of an area of 300 m² or more of indigenous vegetation within specific geographical areas - The proposed project will clear more than 300 m² of indigenous vegetation within sensitive geographical areas in terms of provincial and national databases.</p>	

SLR Consulting (South Africa) (Pty) Ltd, an independent firm of environmental consultants, has been appointed to manage the environmental assessment process. Public meetings have been arranged as part of the public participation process as follows:

Date	Venue	Time
8 December 2021	Mmaditshokwa Community Centre	09h00
8 December 2021	Lapologang Open Space	14h00
9 December 2021	Bokamoso Community Centre	09h00

All stakeholders are invited to register as interested and Affected Parties (I&APs) and submit any initial comments to SLR by 13 December 2021.

Due to COVID-19 restrictions, online and digital platforms will be utilised (as far as possible) to engage with I&APs. All registered I&APs will continue to be given the opportunity to participate and comment for the full duration of the environmental assessment process. Registered I&APs will be notified when the Scoping Report, EIA and EMPr is available for public review. To register or to check that you are registered and/or to submit any comment on the proposed project and process contact SLR at the contact details below:

Reinett Mogotshi
Email: rmogotshi@slrconsulting.com
Tel: 011 467 0945
Post: PO Box 1596, Cramerville, 2060 (Note: If using post, please also contact us telephonically to notify us of your submission).

*By providing your personal information to be registered as an I&AP for this project, you consent to SLR keeping and using your personal information as part of a contact database for this and other EIA projects and processes; contacting you about these projects; disclosing it to other authorized parties for lawful purposes, including transferring to other countries; processing it for lawful purposes (fulfilling contractual, legal and public policy obligations, and protecting legitimate interests SLR and other authorized parties). SLR will only collect the necessary personal information. SLR (and any authorised parties) will only use it for lawful purposes, and use reasonable, appropriate security safeguards to protect it, reasonably prevent any damage to, or loss, unauthorised access, or disclosure thereof. Your rights: You may request SLR to provide you with names of the authorized parties, and details of your personal information held in the I&AP database. You may object to the processing thereof, or request to correct, delete or destroy it, at any time by contacting SLR by email or in writing. However, you understand that SLR (and any authorised parties) may not be able to delete or destroy it for legal or public policy reasons. SLR will provide you with the reasons. You may lodge a complaint with the information regulator at: <https://justice.gov.za/infocreg/>. Link to SLR's privacy policy: <https://cdn.slrconsulting.com/uploads/2020-08/slr-privacy-notice.pdf>

VACANCY




Eland Platinum Mine is a mining operation which forms part of the Northam Platinum Limited group. It is situated near the vibrant towns of the North West Province—Brits and Hartebeestpoort and Pretoria, the administrative capital city of South Africa. The mine is a high quality growth-enabling asset currently in a development phase and has a life expectancy of 30 year. The Eland mining operation is a shallow hybrid UG2 PGMs reef, built in decline shafts that give access to the orebody reserves.

MECHANICAL FOREMAN
GRADE: C UPPER BAND

Role requirements
The successful candidate must have the following basic requirements:

- NQF level 4 (National Senior Certificate or Grade 12 or Adult Senior Certificate) with English literacy or N3 in Engineering Studies
- Fitter/Boilermaking Trade Certificate (Sec 13 or 26D)
- Completed formal learnership programme prior to obtaining a Fitter/Boilermaking trade test. Foreman Certification will be advantageous
- At least 5 years' experience as an artisan prior to being a foreman
- At least 3 years' experience as a mechanical foreman in (conveyors, chairlifts, winches, pumping systems, fans and rock breakers). Experience in engineering and construction projects

Supervisory management skills

- Proficient in MS Office package
- Medical Certificate of Fitness

Key performance areas

- Manage and supervise mechanical teams underground
- Assist in implementation of asset management strategies
- Mentoring of artisans
- Managing of a maintenance budget
- Development of subordinates
- Implementation of engineering standards and procedures
- Adherence to Mine Health and Safety Act Regulations

Please attach a comprehensive updated CV as well as a certified copy of your ID and your qualifications.

Applications close: 03 December 2021

Northam Eland will apply the employment equity principles as set out in the company's Employment Equity Policy which is in compliance with the South African Employment Equity Act. Should you meet all the requirements, please submit your curriculum vitae to HRApplicationsEL@norplats.co.za and please quote the job title in the subject box. Kindly note that Eland will only correspond with shortlisted candidates. Should you not hear from the company within 21 days after the closing date for application please consider your application as unsuccessful.

smart platinum mining

VACANCY




Eland Platinum Mine is a mining operation which forms part of the Northam Platinum Limited group. It is situated near the vibrant towns of the North West Province—Brits and Hartebeestpoort and Pretoria, the administrative capital city of South Africa. The mine is a high quality growth-enabling asset currently in a development phase and has a life expectancy of 30 year. The Eland mining operation is a shallow hybrid UG2 PGMs reef, built in decline shafts that give access to the orebody reserves.

TMM FOREMAN
GRADE: C UPPER BAND

Role requirements
The successful candidate must have the following basic requirements:

- NQF level 4 (National Senior Certificate or Grade 12 or Adult Senior Certificate) with English literacy or N3 in Engineering Studies
- Diesel Mechanic/Fitter/Electrical trade certificate (Sec 13 or 26D)
- Completed formal learnership programme prior to obtaining a trade test
- At least 5 years' experience as an artisan prior to being a foreman
- At least 3 years experience as a TMM Foreman
- Foreman Certification will be advantageous
- Experience in Drill Rigs, UVs, LHDs, Bobcats, Manitous

Supervisory management skills

- Computer literacy in MS Office
- Medical Certificate of Fitness

Key performance areas

- Manage and supervise TMM teams underground
- Assist in implementation of asset management strategies
- Mentoring of artisans
- Managing of a maintenance budget
- Development of subordinates
- Implementation of engineering standards and procedures
- Adherence to Mine Health and Safety Act Regulations

Please attach a comprehensive updated CV as well as a certified copy of your ID and your qualifications.

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smart platinum mining

Britsie presteer op universiteit



Juané Rheeders, 'n oud-leerling van Hoërskool Brits, wat die afgelope vier jaar 'n student aan die Noordwes-universiteit (NWU) se *School of Accounting Science* (SAS) op die Potchefstroom kampus was, het onlangs haar B.Com Honneurs-graad verwerf. Sy is as die vierde beste B.Com Honneurs Finansiële Rekeningkunde-student aan NWU in 2021 aangewys.



Brits Rollbal Klub se nuwe bestuurskomitee

BRITS POS – BRITS – Hierdie span is die nuutverkose komiteede van die Brits Rollbal Klub. Agter: Salome Botha, Hannes Claassens, Louis Bouwer en Hans de Lange. Voor: Marié van Niekerk, Lappies Labuschagne (President) Magda Kotzé en Drika du Rand.

TIRO YA BOTSAYAKAROLO JWA SETSHABA
THARISA MINERALS (PTY) LTD
MABOLOKELA A A OKETSEGILENG A MAJE **tharisa**
A A LATLHLWENG KWA MOEPONG WA THARISA

Tharisa Minerals (Pty) Ltd (Tharisa) ke khampani ya moepo wa khuti e e bulengileng o o tihagisang ditlhopha tsa selekanyo se segolo sa ditshipi tsa chrome le polatinamo. Moepo wa khuti e e bulengileng o mo polasing ya 342 JQ le Etlandsdriif 467 JQ, gauti le toropo ya Marikana mo Masepaleng wa Kgaolo wa Bojanala le Masepala wa Selegae wa Rustenburg, Porofense ya Bokone Bophirima.

Go epa go dirwa mo dikarolong tse pedi tsa meepo, e leng kwa East Mine le West Mine, go dirisiwa mekgwa e e tswaegileng ya ditori tsa mekgwa e e bulengileng le digarawe. Maje a a latlhlweng go tswa mo mafelong a meepo ya dikhuti tse di bulengileng a ka tswa a kokoantswe mo mafelong a majo a a latlhlweng (Waste Rock Dumps (WRD's)) kgotsa a busediwa mo dikhuting tse di bulengileng jaaka karolo ya go tsofolosa lefatsho leo. E re ka e le karolo ya leano la yone le le tswaelang. Tharisa e lemogile gore go thokega mabolokelo a a oketsegileng a majo a a latlhlweng mo lefelong la mimeroko. Ka ntha ya seno, Tharisa e akantsha go thoma WRD e ntha, go oketsa WRD e e neng e setse e dumeletswa le go thoma dikarolwana tse di fa godimo tsa majo a a buseditsweng tsa di-WRD mo dikhuting tsa East le West, Gape Tharisa e kwadiseditse go aga lefelo le lesha la mabolokelo a majo a a latlhlweng (tailings storage facility (TSF)).

Ka jalo, go ntshitswe kitsiso ya go ikwadiswa kwa Lefapheng la Didirisiwa Tsa Diminerale le Maatla mo Bokone Bophirima go ya ka melaotheo ya tikologo e e kwadilweng fa fatishe:

Molaotheo	Letsamele la Ditiro	Dikarolo Tsa Botlhoekwa Tsa Tiro
Molao wa Tlhabatolo ya Diminerale le Didirisiwa tsa Patoroliamo (Molao 28 wa 2002) (MPRDA)	EMPr ya moepo e tshwanetse go thabololwa gore e tihagise diphephogo tse di akanyeditsweng. Ikwadiso ya Karolo 102 e rometsew gore Thulaganyo ya Tsamaiso ya Tikologo (Environmental Management Programme (EMPr)) e rometsew, e e ntshitsweng go ya ka MPRDA mme e dirwa go ya ka Molao wa Tsamaiso ya Tikologo ya Bosetshaba, (Molao 107 wa 1998) (NEMA).	• Karolo 102 ya ikwadiso (MPRDA) • Integrated Environmental authorisation (EA) (NEMA) and Waste Management Licence (WML) (NEM-WA) application
Molao wa Tsamaiso ya Tikologo ya Bosetshaba Leswa, Molao 58 wa 2005 (NEM: WA)	Molao wa Kitsiso ya Puso [Government Notice Regulation (GNR)] 921 wa 2013, jaaka o fetotse: Karolo B, Tiro 7: Go latlha ga selekanyo sepe fela sa matlakala a a kotsi mo lefatsheng - o a thokega mo diporoketeng tsothe tse di akanyeditsweng tsa di-WRD e re ka matlakala ao a le kotsi. GNR 921 wa 2013, jaaka e fetotse: Karolo B, Tiro 10: - Go agiwa ga lefelo la tsamaiso ya matlakala mo Karolo B. TSF e e akanyeditsweng go ya ka Tiro 11 e thoka kago ya ditiro. GNR 921 wa 2013, jaaka e fetotse: Karolo B, Tiro 11: Go thamiwa ga masolela a a kokoantsweng, go go thokang Tshwanetso ya Moepo go ya ka MPRDA - Di-WRD le TSF tse di akanyeditsweng di tswa e le masolela a a kokoantsweng.	• Scoping Report and EIA and EMPr • Stakeholder engagement process and specialist input
NEMA le Molao wa Tlhabatolo ya Dipholelo Tsa mo Tikologeng (EIA) GNR 983 wa 2014, jaaka e fetotsew	GNR 983 wa 2014, jaaka e fetotsew: Ikwadiso ya Kitsiso 1, Tiro 12: Tlhabatolo ya - (ii) Dikago tse di nang le methala e e bonalang ya disekweremetara di le 100 kgotsa go feta; mo thabololo e e ntseng jalo e tiling go direga - (a) mo meseleng ya metsi - ditsotho tse di gasameng go ya ka tshedimosetso ya National Freshwater Ecosystem Priority Areas (NFEPA) e e tswang mo methaleng ya WRD. GNR 983 wa 2014, jaaka e fetotsew: Ikwadiso ya Kitsiso 1, Tiro 30: Tsamaiso kgotsa tiro epe e e lemogilweng go ya ka karolo 53(1) ya Molao wa Tsamaiso ya Tikologo ya Bosetshaba: Molao wa Mefutafuta ya Ditshedi, 2004 (Molao 10 wa 2004) - porojeke e e akanyeditsweng mo lefelong la mefuta ya dimela tse di mo kotsing la Marikana Thornveld. GNR 983 wa 2014, jaaka e fetotsew: Ikwadiso ya Kitsiso 1, Tiro 34: Go anamisiwa ga ditiro tse di thokang laense e e fetotsweng go ya ka molaotheo wa naga kgotsa porofense o o okametseng kgololo ya kgotlelo - go anamisiwa ga WRD e e neng e setse e dumeletswa go thoka Laense ya Tiro e e Kopaneng ya Metsi [Integrated Water Use Licence (IWUL)]*. GNR 983 wa 2014, jaaka go fetotsew: Ikwadiso ya Kitsiso 1, Tiro 48: Go anamisiwa ga dikago mo meseleng ya metsi ya dimetara di le 32- di-WRD tse di akanyeditsweng di tla nna le mesele e e tshwanang ya metsi ya dimetara di le 32. GNR 984 wa 2014, jaaka go fetotsew: Ikwadiso ya Kitsiso 2, Tiro 6: Tlhabatolo ya ditiro tse di thokang laense e e fetotsweng go ya ka molaotheo wa naga kgotsa porofense o o okametseng kgololo ya kgotlelo - thabololo ya di-WRD tse disha [go akaretsa dikarolo tse di kokoantsweng tsa dikhuti tse di bulengileng] di thoka IWUL e e fetotsweng. GNR 984 wa 2014, jaaka go fetotsew: Ikwadiso ya Kitsiso 2, Tiro 15: Go gololwa ga dimela tsa selegae (tse di fetang 20 ha) - porojeke e e akanyeditsweng e ka thoka go gololwa ga dimela tsa selegae tse di fetang 20 ha. GNR 985 wa 2014, jaaka go fetotsew: Ikwadiso ya Kitsiso 3, Tiro 12: Go gololwa ga lefelo la 300 m2 kgotsa go feta ga dimela tsa selegae mo dikarolong tse di riteng tsa lefelo - Porojeke e e akanyeditsweng e tla golola dimela tsa selegae tsa lefelo le le fetang 300 m2 mo dikarolong tse di thokang tlhokomelo tsa lefelo, go ya ka tshedimosetso ya porofense le ya naga.	

SLR Consulting (South Africa) (Pty) Ltd, ka setho se se ikemetseng sa bagakolodi ba tikologo, se se tlhomilweng go tsamaisa tsamaiso ya tlhathobo ya tikologo. Go rulagantswe gore go nne le letsatsi le le buletsweng morafe e le karolo ya tiro ya go tsaya karolo ga morafe ka tsela eno:

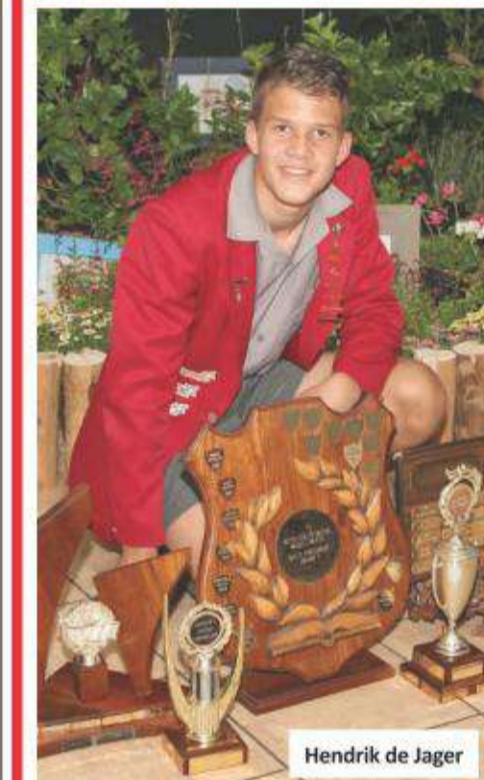
Letsha	Lefelo	Nako
8 Sedimonthole 2021	Mmaditshokwa Community Centre	09h00
8 Sedimonthole 2021	Lapologang Open Space	14h00
8 Sedimonthole 2021	Bokamoso Community Centre	09h00

Batsayakarolo bothe ba kopiwa go ikwadisa jaaka Batsayakarolo ba ba Kgathhegang Le ba Ba Amegang [Interested and Affected Parties (I&APs)] mme ba rometse dikagelo dipe fela tse ba nang le tsona go SLR ka 13 Sedimonthole 2021. Ka ntha ya dithibelo tsa COVID-19 dipolatelyo tsa internet di tla dirisiwa (go ya bokgakaleng jo bo kgonegang) go mekamekana le di-I&AP. Di-I&AP tsothe tse di kwadisitsweng di tla tswela di nwa tshono ya go nna le seabe le go akela mo nakong yotlhe ya tiro ya go tlathlaba tikologo. Di-I&AP tse di kwadisitsweng di tla itshisa fa Pego ya go Tlathlaba, EIA le EMPr di setse di le gone gore batho ka kakaretso ba ka di sekaseka. Go ikwadisa kgotsa go thola gore o ikwadisitse le/kgotsa go romela kakgelo epe fela kaga porojeke e e akanyeditsweng le tsamaiso ya yone, ikgolaganye le SLR mo ditlheng tsa go ikgolaganya fa fatishe:

Reinett Mogotshi
 Email: rmogotshi@slrconsulting.com
 Tel: 011 467 0945
 Post: PO Box 1596, Cramerview, 2060 (Ela thoko: Fa e le gore o dirisa poso, tswetswee ikgolaganya gape le rona ka founo go re ititse gore o rometse sengwe ka poso).

*E e melaotheo ya tlhabatolo tse di akanyeditsweng tsa go gololwa ga lefelo la 300 m2 kgotsa go feta ga dimela tsa selegae mo dikarolong tse di riteng tsa lefelo - Porojeke e e akanyeditsweng e tla golola dimela tsa selegae tsa lefelo le le fetang 300 m2 mo dikarolong tse di thokang tlhokomelo tsa lefelo, go ya ka tshedimosetso ya porofense le ya naga. https://www.environment.gov.za/consultation-and-reporting/interested-and-affected-parties-iaap-process

Olienpark se senior presteerders word vereer



BRITS POS – BRITS – Ná 'n jaar se harde werk in die klaskamer is die senior akademiese presteerders van Laerskool Olienpark met welverdiende toekennings vereer.

Die top vyf gr.7-presteerders is:
 Hendrik de Jager (Dux-leerling, Beste Prestasie Engels, Beste Prestasie SW, Beste Prestasie SK en Beste Prestasie NW).
 Kayleigh Cooks (Beste Prestasie in LO).
 Kaelee du Preez (Beste Prestasie in Afrikaans).
 Theo Janse van Rensburg (Beste Prestasie Wiskunde).
 Dylan Joubert (Beste prestasie vir Tegnologie en Beste Prestasie vir EBW).



AfriForum se Marico-buurtwagte hou massapatrollie

RUSTENBURG HERALD - RUSTENBURG - Die AfriForum-buurtwagte in die Marico-streek het op 8 April in samewerking met verskeie veiligheidstrukture 'n massapatrollie in hul onderskeie omgewings uitgevoer om polisiëringsigbaarheid te skep.

Die patrollie het omstreeks 17:30 begin en die laaste buurtwag het om 05:30 die volgende oggend afgestaan. Die volgende AfriForumbuurtwagte het aan die massapatrollie deelgeneem: Brits, Mooiooi, Hartbeespoort, Rustenburg, Koster, Coligny en Zeerust.

201 patroleerders het deelgeneem en altesaam 4014km in 114 voertuie afgelê.

"Buurtwagte in die Marico-streek sal voortdurend projekte aanpak en gereeld patrollies hou om misdaad in samewerking met die SAPD en ander veiligheidsinstansies hok te slaan, asook om veiligheid te bevorder. Ons is baie dankbaar vir al die offerings wat ons patroleerders by hierdie buurtwagte maak om hulle gemeenskappe se veiligheid te prioriseer," sê Petrus Coetzee, AfriForum se distrikskoördineerder vir Marico. Raak vandag nog by AfriForum se buurtwagte betrokke.



Die AfriForum-buurtwagte in die Marico-streek het op 8 April in samewerking met verskeie veiligheidstrukture 'n massapatrollie in hul onderskeie omgewings uitgevoer om polisiëringsigbaarheid te skep.

NW church leaders call for peace

Mahikeng Ministers Fellowship (MMF) in the North West on Tuesday called for churches to pray for peace and an end to the Russia-Ukraine conflict during their Good Friday/Passover weekend gatherings.

"While restoration of families including churches devastated by the Covid-19 pandemic should be foremost in our prayer points, the unfolding human tragedy in Eastern Europe demands for Christians the world over to stand in the gap, extend their prayers and helping hand to millions who have been displaced by the senseless conflict," highlighted MMF Chairperson, Senior Pastor Dr. Moss Tlalang of behalf of the Interdenominational five-fold ministries fraternal. Dr Tlalang reminded church leaders and congregants to be conscious of the fact that covid-19 is still very much an active threat, therefore compliance with health protocols and regulations will be paramount during this important period in the Christian calendar in order to prevent a surge of infections that might spark a forth wave. "We must take to the LORD the challenges of climate change contributing towards devastating flooding currently being experienced in Kwa-Zulu Natal and other parts of the country, rising unemployment, drug abuse, teenage pregnancies, corruption, escalating crime levels fueling Afrophobia and pray earnestly for economic recovery," he stressed. He wished those who will be travelling to church conferences and various destinations safe travel urging them to observe the rules of the road, maintain safe following distances, avoid speeding as well as rest every two hours to avoid fatigue. "We call on law enforcement to exercise zero tolerance on lawlessness as well as reckless driving on public roads by increasing visibility and activating operations to tackle opportunistic crime," underscored Tlalang.

NOTICE OF AMENDMENT OF THE ISSUED ENVIRONMENTAL AUTHORISATION FOR THE PROPOSED UPGRADE OF THE N4 BAKWENA TOLL ROAD ADDITIONAL CARRIAGEWAY BETWEEN D1325 MARIKANA INTERCHANGE AND THE R52 KOSTER TURN-OFF REFERENCE: 14/12/16/3/3/1/1633/AM1

An Environmental Authorization (EA) was issued to the South African National Roads Agency SOC LTD (SANRAL) on 13 March 2017 for the proposed upgrading of the existing N4 Bakwena Toll Road from a single carriageway road to a dual carriageway road between the D1325 Buffelspoort (Marikana) interchange (N4-13 km 2.8) and the R52 Koster turn-off (west of Rustenburg). Due to the reduction in traffic as a result of Covid-19 and the resulting poor economic growth and financial constraints, the project could not be started within the specified 5-year validity of the EA. A request for extension of the validity was subsequently submitted to the Department of Forestry, Fisheries and the Environment (Department).

Based on the review of the reason for requesting an amendment to the issued EA, the Department has decided to amend condition 7 of the EA dated 13 March 2017 in terms of Chapter of the Environmental Impact Assessment Regulations, 2014 as amended, to read as follows:

"7. This activity must commence within a period of ten (10) years from the date of issue of the authorization (i.e., the EA lapses on 13 March 2027). If commencement of the activity does not occur within that period, the authorization lapses and a new application for environmental authorization must be made in order for the activity to be undertaken."

In terms of Regulation 4(2) of the Environmental Impact Assessment Regulations, 2014 as amended, we are notifying all registered interested and affected parties of the Department's decision.

Should you wish to appeal this decision your attention is drawn to Chapter 2 of the National Environmental Management Act, 1998 (Act No. 107 of 1998) National Appeal Regulations published under Government Notice R993 in Government Gazette No 38303 dated 08 December 2014, which prescribes the appeal procedure to be followed.

To obtain the prescribed appeal form and for guidance on the submission of appeals, please visit the website: https://www.environment.gov.za/documents/forms#legal_authorizations. A request for a copy of the appeals document or the submission of any appeal can be sent to: appeals@dffe.gov.za. Should any person wish to lodge an appeal it should be done within 20 days from the date of this notification.

Additional information or a copy of the amendment EA can be obtained from Etienne van der Lith at the details provided below.

Environamic Environmental Consultants
Tel: 082 781 9454
E-mail: info@environamic.co.za



PUBLIC PARTICIPATION PROCESS THARISA MINERALS (PTY) LTD ADDITIONAL WASTE STORAGE AT THE THARISA MINE

Tharisa Minerals (Pty) Ltd (Tharisa) is an opencast mining operation that produces chrome and platinum group metals concentrate. The opencast mine is located on the farms 342 JQ and Elandsdrift 467 JQ near the town of Marikana in the Bojanala District Municipality and Rustenburg Local Municipality, North West Province.

Mining is undertaken in two mining sections, namely the East Mine and West Mine, using conventional open pit truck and shovel methods. Waste rock from the open pit areas is either stockpiled on Waste Rock Dumps (WRD's) or backfilled into the open pit as part of concurrent rehabilitation. As part of its on-going mine planning Tharisa has identified the need for additional waste storage on site. Tharisa is therefore proposing to extend a previously approved WRD's and establishing WRD's above backfilled portions of the East and West pits. Tharisa is also applying to increase the capacity of the existing tailings storage facilities (TSF's) in the form of self-raising.

Notice is hereby given of the applications to be made to the North West Department of Mineral Resources and Energy in terms of the environmental legislation listed below:

Legislation	Listed Activities	Key Process Elements
Mineral and Petroleum Resources Development Act (No. 28 of 2002) (MPRDA)	The mine's EMPr must be updated to reflect proposed changes. A Section 102 application submitted for an amendment of an Environmental Management Programme (EMPr), issued in terms of the MPRDA must be dealt with in terms of the National Environmental Management Act, (No. 107 of 1998) (NEMA).	• Section 102 application (MPRDA)
National Environmental Management Waste Act (No. 59 of 2008) (NEM: WA)	Government Notice Regulation (GNR) 921 of 2013, as amended: Category B, Activity 7: The disposal of any quantity of hazardous waste to land - applicable to all proposed project WRD's and tailings as the material may be hazardous.	• Integrated Environmental authorisation (EA) (NEMA) and Waste Management Licence (WML) (NEM:WA) application
National Environmental Management Act (No. 107 of 1998), and Environmental Impact Assessment (EIA) Regulations GNR 983 of 2014, as amended	GNR 921 of 2013, as amended: Category B, Activity 10: - Construction for a facility for waste management in Category B. The proposed WRD and TSF lift as per Activity 11 requires construction activities.	• Scoping Report and EIA and EMPr
	GNR 921 of 2013, as amended: Category B, Activity 11: The establishment of residue stockpiles or deposits, which require a Mining Right in terms of the MPRDA - The proposed WRD's and TSF lift are deemed residue stockpiles.	• Stakeholder engagement process and specialist input
	GNR 983 of 2014, as amended: Listing Notice 1, Activity 21 D: Any activity including the operation of that activity which requires an amendment or variation to a right to a right or permit in terms of section 102 of the MPRDA, as well as any other applicable activity contained in this Listing Notice or in Listing Notice 3 of 2014, required for such amendment - the proposed project requires the submission of a section 102 application in terms of the MPRDA.	
	NEMA EIA GNR 983 of 2014, as amended: Listing Notice 1 Activity 27: The clearance of an area of 1 hectares or more, but less than 20 ha of indigenous vegetation, except where such clearance of indigenous vegetation - One of the WRD's will clear approximately 1 ha of indigenous vegetation.	
	GNR 983 of 2014, as amended: Listing Notice 1, Activity 34: The expansion of activities that need an amended licence in terms of national or provincial legislation governing the release of pollution - all project components require an amended Integrated Water Use Licence (IWUL).	
	GNR 985 of 2014, as amended: Listing Notice 3, Activity 12: The clearance of an area of 300m ² or more of indigenous vegetation within specific geographical areas - The proposed project will clear more than 300m ² of indigenous vegetation within critical biodiversity area.	

SLR Consulting (South Africa) (Pty) Ltd, an independent firm of environmental consultants, has been appointed to manage the environmental assessment process. All stakeholders are invited to register as Interested and Affected Parties (I&APs) and submit any initial comments to SLR by 25 April 2022 Due to COVID-19 restrictions, online and digital platforms will be utilised (as far as possible) to engage with I&APs. All registered I&APs will continue to be given the opportunity to participate and comment for the full duration of the environmental assessment process. Registered I&APs will be notified when the Scoping Report, EIA and EMPr is available for public review. To register or to check that you are registered and/or to submit any comment on the proposed project and process contact SLR at the contact details below:

Reinett Mogotshi | Email: rmogotshi@slrconsulting.com | Tel: 011 467 0945
Post: PO Box 1596, Cramerview, 2060 (Note: If using post, please also contact us telephonically to notify us of your submission).

By providing your personal information to be registered as an I&AP for this project you consent to SLR managing your information in accordance with the Protection of Personal Information Act 4 of 2013. This includes; retaining and using your Personal Information as part of a contact database for this and/or other ESIA's, contacting you regarding this and/or other ESIA processes, disclosing the database to other authorised parties including the applicant for lawful purposes, and including any correspondence in the ESIA Reports. You may request for your Personal Information to be deleted from the Project database or comments to be excluded from ESIA Reports at any time by contacting SLR.



SAPS educates learners on a safer learning environment

The police from the Bojanala Sub-district 1(Brits) and other stakeholders during their recent visit to the Mothotlung Secondary School.

BRITS POS – MOTHOTLUNG - Police members from various policing precincts around Bojanala Sub-District 1 (Brits) embarked on a school safety awareness campaign at Mothotlung Secondary School on Friday, 8 April 2022.

The objective was to sensitise learners about the toxicity of drug abuse and the dynamics embroidered around bullying which is rife in the learning environment and often results in fatal circumstances.

Members of the Community Policing Forum (CPF) from various policing precincts in the district also formed part of the awareness campaign. The Department of Correctional Services, Social Development and Health, spiritual leaders and local councillors also joined forces with the police in a bid to lure learners away from being involved in criminal activities, being in possession of dangerous weapons and teenage pregnancy. (Photos: SAPS)



The Station Commander of Mothotlung, Captain Bodiba addressing learners at Mothotlung Secondary School.



Elies laat diereharte warm klop

Die Elies van Laerskool Elandsdraal in Mooinooi, me. J. Liebenberg, Louisa Pretorius, Michael Otto, Dominique Delport, Elizma Steenkamp, Leandro Kester, Carol-Ann Goosen, Geanike Venter en Xander Hayward het vir warm slaapplek vir die diere van die DBV, Rustenburg gesorg.

BRITS – MOOINOOI - Laerskool Elandsdraal se Diensraad het Saterdag, 9 April die Dierbeskermingsvereniging (DBV) in Rustenburg besoek.



Leandro Kester wys die speelgoedgeskenkies vir die katjies by die DBV, Rustenburg.

Onder leiding van me. J. Liebenberg (leiervoog) en me. N. Wessels (bemarking) het die leerlinge gehelp om die diere se hokke skoon te maak. Die snerpde koue die naweek het met swaar reën gepaard gegaan en ekstra komberse is in die hokke gesit om te versker dat die diere warm slaapplek het.

Die kinders het ook met die diere baljaar en die DBV-personeel het iets van elke hond of kat met hulle gedeel en dis met swaar harte dat hulle moes groet, maar met 'n sekerheid dat hulle weér so sal maak.

“Baie dankie aan die DBV, Rustenburg wat nie net hul deure nie, maar ook hul harte oopgemaak het sodat ons hulle die dag kon bystaan en 'n klein, maar noodsaaklike verskil in elke vierpotige 'kind' se verblyf by die DBV kon maak,” sê me. J. Liebenberg.

Enigiemand wat 'n bydrae wil maak of betrokke raak by die DBV Rustenburg wat tans ons almal se hulp in hierdie moeilike tyd nodig het, kontak 014 592 3181 en gesels met Marisa Kruger.

KARNAVALKOORS!

BRITS POS – BRITS - Laerskool Brits hou OPEDAG en hierdie jaarlikse hoogtepunt is om die “rondomtalie”draai.

Sit 'n strik in jou hare, sit jou pet op jou kop, 'n strikdas om die nek of jou sonbril op. Maak seker jy is daar en kom hou die joligheid dop.

Dié vrolike gedoente vind op die skoolterrein plaas, op Saterdag, 23 April. Karnavalgangers kan vanaf 09:30 aanmeld by die groot “markies” (skoolsaal), sodat die feestelikhede stiptelik om 10:00 kan begin. Alle voornemende Gr. R en Gr. 1 leerlinge en hulle ouers word hartlik uitgenooi!

Die keuse van 'n geskikte, topklas skool vir jou kind, is geen mallemeule keuse nie. Dus is dit belangrik om jouself van korrekte feite en kennis te vergewis.

Wie en wat is Laerskool Brits: 'n Afrikaanse onderriginstansie met hoë Christelike en akademiese waardes wat fokus op balans, 'n wye verskeidenheid sportsoorte en genoegsame blootstelling aan kultuur.

Onder leiding van mnr. W. Krüger, kamavalleier, is die gekwalifiseerde personeel van Laerskool Brits uiters bekwaam koorddansers. Hul word flink bygestaan deur entoesiastiese assistentakrobate.

Wanneer dit by sukses en prestasie kom is daar geen narstreke of oëverblindery nie. Laerskool Brits se personeel en leerlinge reik na die hoogste hoogtes: vreesloos en selfversekerd.

Kom deel in die karnavalpret op 23 April, wat jou na jou asem sal laat snak ... Vir navrae, skakel Laerskool Brits by 012 252 3317.



PUBLIC PARTICIPATION PROCESS THARISA MINERALS (PTY) LTD ADDITIONAL WASTE STORAGE AT THE THARISA MINE

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Mining is undertaken in two mining sections, namely the East Mine and West Mine, using conventional open pit truck and shovel methods. Waste rock from the open pit areas is either stockpiled on Waste Rock Dumps (WRD's) or backfilled into the open pit as part of concurrent rehabilitation. As part of its on-going mine planning Tharisa has identified the need for additional waste storage on site. Tharisa is therefore proposing to extend a previously approved WRD's and establishing WRD's above backfilled portions of the East and West pits. Tharisa is also applying to increase the capacity of the existing tailings storage facilities (TSF's) in the form of self-raising.

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Legislation	Listed Activities	Key Process Elements
Mineral and Petroleum Resources Development Act (No. 28 of 2002) (MPRDA) National Environmental Management: Waste Act (No. 59 of 2008) (NEM: WA)	The mine's EMPR must be updated to reflect proposed changes. A Section 102 application submitted for an amendment of an Environmental Management Programme (EMPr), issued in terms of the MPRDA must be dealt with in terms of the National Environmental Management Act, (No. 107 of 1998) (NEMA). Government Notice Regulation (GNR) 921 of 2013, as amended: Category B, Activity 7: The disposal of any quantity of hazardous waste to land - applicable to all proposed project WRD's and tailings as the material may be hazardous. GNR 921 of 2013, as amended: Category B, Activity 10: - Construction for a facility for waste management in Category B. The proposed WRD and TSF lift as per Activity 11 requires construction activities. GNR 921 of 2013, as amended: Category B, Activity 11: The establishment of residue stockpiles or deposits, which require a Mining Right in terms of the MPRDA - The proposed WRD's and TSF lift are deemed residue stockpiles.	• Section 102 application (MPRDA) • Integrated Environmental authorisation (EA) (NEMA) and Waste Management Licence (WML) (NEM:WA) application
National Environmental Management Act (No. 107 of 1998), and Environmental Impact Assessment (EIA) Regulations GNR 983 of 2014, as amended	GNR 983 of 2014, as amended: Listing Notice 1, Activity 21 D: Any activity including the operation of that activity which requires an amendment or variation to a right to a right or permit in terms of section 102 of the MPRDA, as well as any other applicable activity contained in this Listing Notice or in Listing Notice 3 of 2014, required for such amendment - the proposed project requires the submission of a section 102 application in terms of the MPRDA. NEMA EIA GNR 983 of 2014, as amended: Listing Notice 1 Activity 27: The clearance of an area of 1 hectares or more, but less than 20 ha of indigenous vegetation, except where such clearance of indigenous vegetation - One of the WRD's will clear approximately 1 ha of indigenous vegetation. GNR 983 of 2014, as amended: Listing Notice 1, Activity 34: The expansion of activities that need an amended licence in terms of national or provincial legislation governing the release of pollution - all project components require an amended Integrated Water Use Licence (IWUL). GNR 985 of 2014, as amended: Listing Notice 3, Activity 12: The clearance of an area of 300m ² or more of indigenous vegetation within specific geographical areas - The proposed project will clear more than 300m ² of indigenous vegetation within critical biodiversity area.	• Scoping Report and EIA and EMPr • Stakeholder engagement process and specialist input

SLR Consulting (South Africa) (Pty) Ltd, an independent firm of environmental consultants, has been appointed to manage the environmental assessment process. All stakeholders are invited to register as Interested and Affected Parties (I&APs) and submit any initial comments to SLR by 25 April 2022 Due to COVID-19 restrictions, online and digital platforms will be utilised (as far as possible) to engage with I&APs. All registered I&APs will continue to be given the opportunity to participate and comment for the full duration of the environmental assessment process. Registered I&APs will be notified when the Scoping Report, EIA and EMPR is available for public review. To register or to check that you are registered and/or to submit any comment on the proposed project and process contact SLR at the contact details below:

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Post: PO Box 1596, Cramerville, 2060 (Note: If using post, please also contact us telephonically to notify us of your submission).

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INVITATION TO PARTICIPATE IN AN ENVIRONMENTAL IMPACT ASSESSMENT PROCESS

UITNODIGING OM DEEL TE NEEM AAN 'N PROSES VAN OMGEWINGSIMPAKBEPALING

ADDITIONAL WASTE STORAGE AT THE THARISA MINE, NORTH WEST

ADDISIONELE AFVALBERGING BY DIE THARISA-MYN, NOORDWES PROVINSIE

Tharisa Minerals (Pty) Ltd (Tharisa) is an opencast mining operation that produces chrome and platinum group metals concentrate. The mine is located on the farms 342 JQ and Elandsdrift 467 JQ, North West Province.

Mining is undertaken in two mining sections, the East Mine and West Mine. Waste rock from the open pit areas is either stockpiled on Waste Rock Dumps (WRD's) or backfilled into the open pit as part of concurrent rehabilitation. As part of its on-going mine planning Tharisa has identified the need for additional waste rock storage on site. Tharisa is therefore proposing to establish a new WRD, extending a previously approved WRD and establishing WRD's above backfilled portions of the East and West pits. Tharisa is also applying to construct a new tailings storage facility (TSF).

Authorisations Required:

- o Section 102 application (Mineral & Petroleum Resources development Act - MPRDA)
- o Integrated Environmental Authorisation (EA) (National Environmental Management Act - NEMA) Listed Activities 12, 30, 34 and 48 (Listing Notice 1); 6 and 15 (Listing Notice 2); 12 (Listing Notice 3) and Waste Management Licence (WML) (National Environmental Management Waste -Act NEM:WA) application: Listed Activities 7, 10 & 11 (Category B) (NEM: WA).
- o Scoping Report and EIA and EMPr
- o Stakeholder engagement process and specialist input

Tharisa Minerals (Edms.) Bpk. (Tharisa) is 'n oopgroepmyn wat chroom en platinum-groepmetale konsentraat produseer. Die myn is geleë op die plaas 342 JQ en Elandsdrift 467 JQ, Noordwes Provinsie.

Mynbou vind in twee mynafdelyings plaas, die Oostelike Myn en Westelike Myn. Afvalrots uit die oopgroef-areas word op afvalrotshope (WRD - *waste rock dump*) opgegaan of weer in die oopgroef opgevol as deel van gelyktydige rehabilitasie. As deel van sy deurlopende mynbeplanning het Tharisa die behoefte aan addisionele afvalrotsberging op die perseel geïdentifiseer. Tharisa stel dus voor om 'n nuwe WRD te vestig, 'n voorheen goedgekeurde WRD uit te brei en om WRD's bo heropgevolde gedeeltes van die Oostelike en Westelike groewe te vestig. Tharisa doen ook aansoek om 'n nuwe bergingsfasiliteit vir spoelsels (TSF) op te rig.

Magtigings benodig:

- o Artikel 102-aansoek (Wet op die Ontwikkeling van Minerale en Petroleumhulpbronne – MPRDA)
- o Geïntegreerde Omgewingsmagtiging (EA) (Wet op Nasionale Omgewingsbestuur – NEMA) Gelyste aktiwiteite 12, 30, 34 en 48 (Lystingskenningsgewing 1); 6 en 15 (Lystingskenningsgewing 2); 12 (Lystingskenningsgewing 3) en aansoek om 'n Afvalbestuurslisensie (WML) (Wet op Nasionale Omgewingsbestuur: Afval NEM:WA): Gelyste aktiwiteite 7, 10 & 11 (Kategorie B) (NEM:WA).
- o Verkennende Verslag en EIA en EMPr
- o Skakelingsproses met belanghebbendes en insette van deskundiges

YOUR ROLE

You have been identified as an Interested and/or Affected Party (I&AP) who may want to be informed about and have input on the proposed project and process.

HOW YOU CAN PARTICIPATE

Register on the database to receive more information regarding project.

Review Background Information Document, available on SLR data-free website:
<https://slrpublicdocs.datafree.co/public-documents>

Ask questions about the project.

Raise issues and give suggestions for inclusion into the Scoping and Environmental Impact Assessment Reports.

U ROL

U is geïdentifiseer as 'n Belangstellende en/of Geïmpakteerde Party (B&GP) wat moontlik ingelig wil wees en insette wil lewer oor die voorgestelde projek en proses.

HOE OM TE REGISTREER:

SLR Consulting (Suid-Afrika) (Edms.) Bpk. is deur Tharisa aangestel om die proses van Omgewingsmagtiging te bestuur.

Reinett Mogotshi (SLR)

Telefoon: 011 467 0945

E-pos: rmogotshi@slrconsulting.com

HOE U KAN DEELNEEM

Registreer op die databasis om meer inligting oor die projek te ontvang.

Gaan die Agtergrondinligting-dokument na wat op die SLR datavrye webwerf beskikbaar is:
<https://slrpublicdocs.datafree.co/public-documents>

Stel vrae oor die projek.

Opper kwessies en maak voorstelle vir insluiting by die Verkennende en Omgewingsimpakbepalingsverslae.

HOW TO REGISTER:

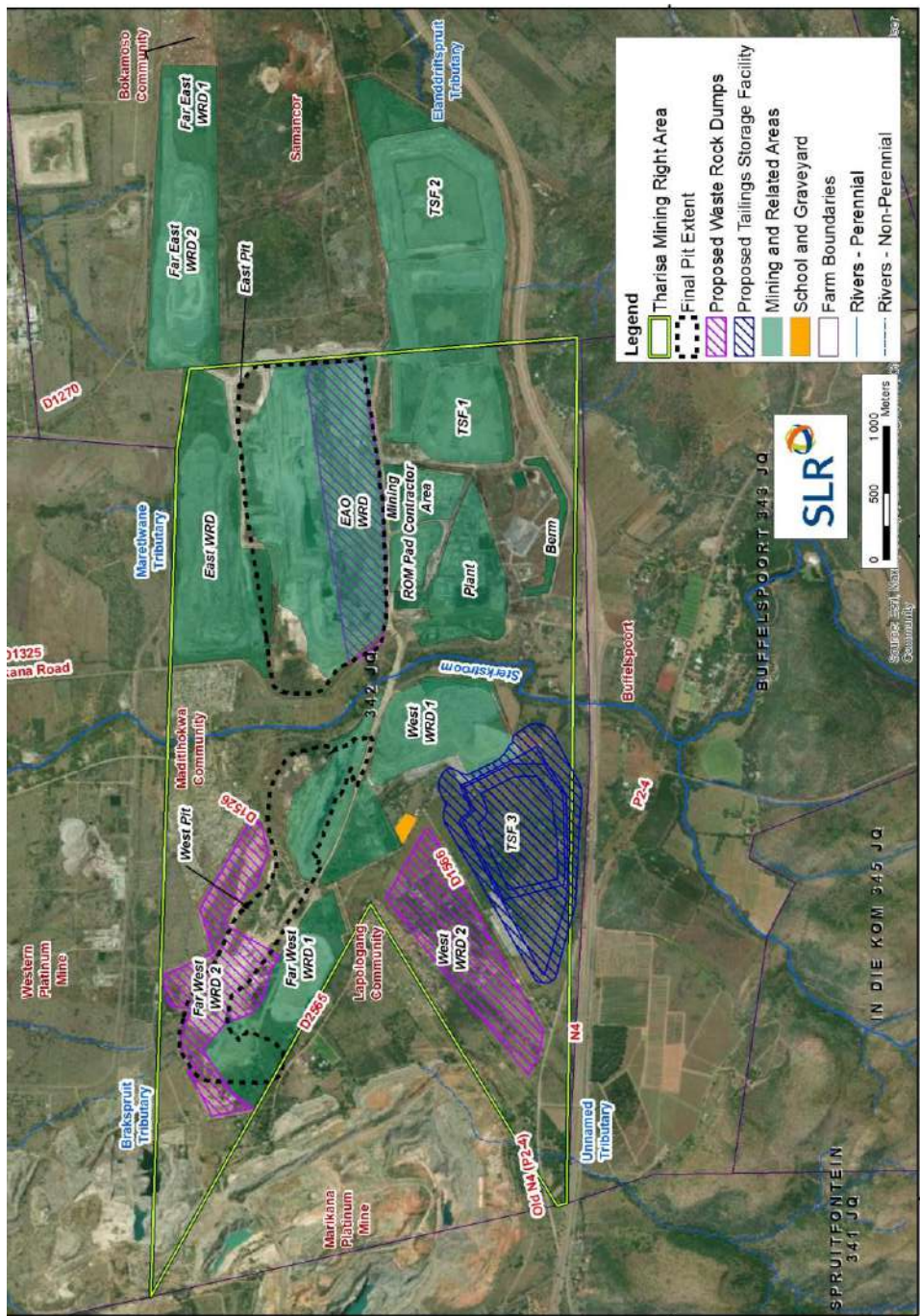
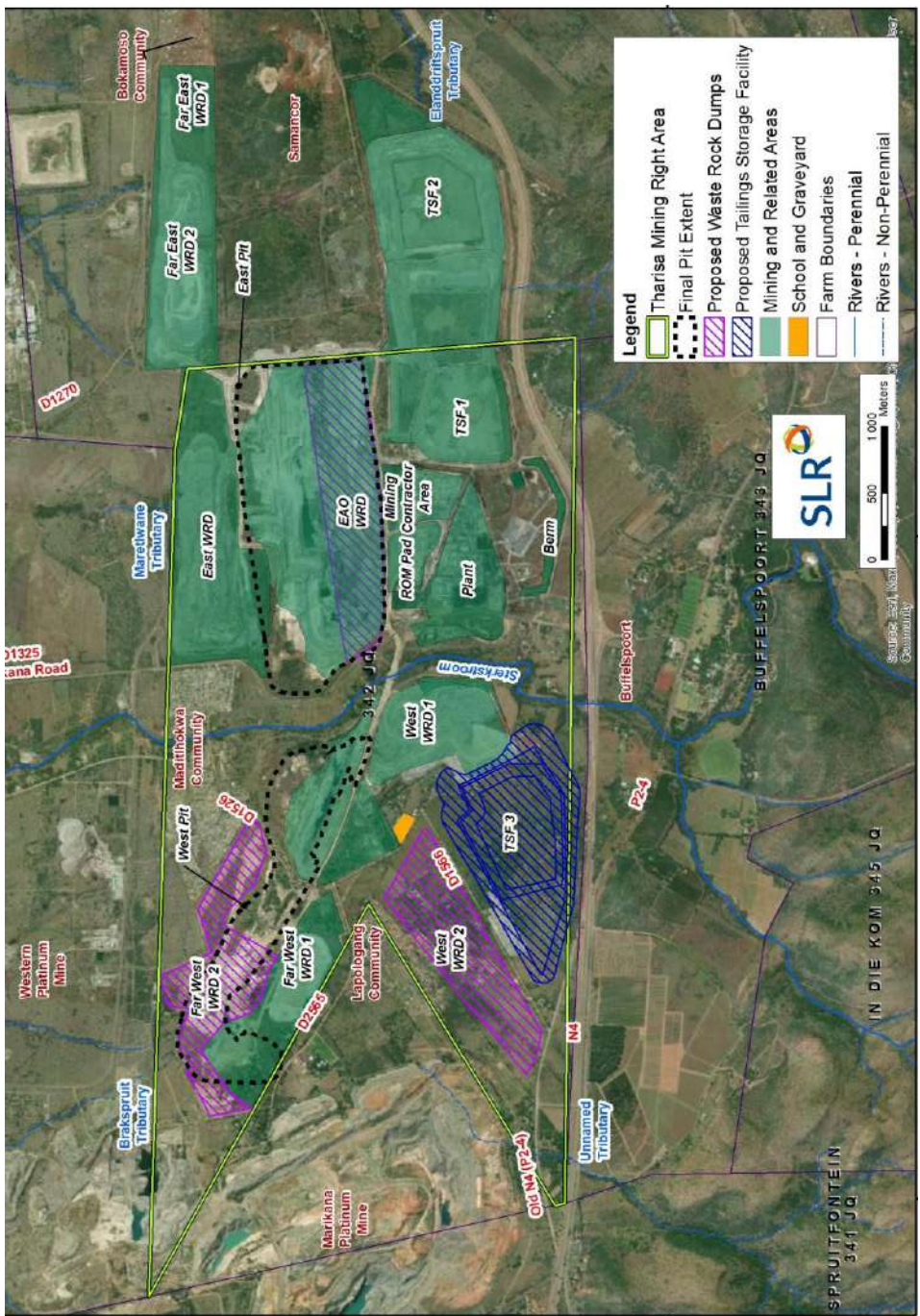
SLR Consulting (South Africa) (Pty) Ltd has been appointed by Tharisa to manage the Environmental Authorisation process.

Reinett Mogotshi (SLR)

Phone: 011 467 0945

Email: rmogotshi@slrconsulting.com





TALETSO YA GO NNA LE SEABE MO TSAMAISONG YA GO TLHATHOBA DITLAMORAGO MO TIKOLOGONG

MABOLOKELO A A OKETSEGILENG A MATLAKALA KWA THARISA MINE, KAPA BOKONE

Tharisa Minerals (Pty) Ltd (Tharisa) ke moepo wa khuti e e bulegileng o o tthagisang selekanyo se segolo sa ditshipi tsa *chrome* le polatinamo. Moepo wa khuti e e bulegileng o mo polasing ya 342 JQ le Elandsdrift 467 JQ, Bokone Bophirima.

Go epa go dirwa mo dikarolong tse pedi tsa meepo, e leng East Mine le West Mine. Maje a a latlhlilweng go tswa mo mafelong a meepo a ka tswa a kokoantswe mo Mafelong a Maje a a Latlhlilweng (WRD) kgotsa a busediwa mo dikhuting tse di bulegileng jaaka karolo ya go tsosolosa lefatshe leo. Mo leanong la yone le le tsweleng, Tharisa e lemogile gore go tlokega mabolokelo a a oketsegileng a maje a a latlhlilweng. Ka jalo, Tharisa e akantsha go tlhoma WRD e ntsha, go oketsa WRD e e neng e setse e dumeletswe le go tlhoma dikarolwana tse di fa godimo tsa maje a a buseditsweng tsa di-WRD mo dikhuting tsa East le West. Gape Tharisa e ikwadisetsa go aga mabolokelo a masha a maje a a latlhlilweng (TSF).

SEABE SA GAGO

O tlhophilwe go nna Motsayakarolo yo o Kgatlhegang le/kgotsa yo o Amegang (I&AP) yo o batlang tshedimosetso ka porojeke le tsamaiso e e akanyeditsweng.

KAFA O IKWADISANG KA GONE:

SLR Consulting (South Africa) (Pty) Ltd e tlhomilwe ke Tharisa go laola tsamaiso ya Tumelelo ya Tikologo.

Reinett Mogotshi (SLR)

Phone: 011 467 0945

Email: rmogotshi@slrconsulting.com



Ditumelelo Tse di Tlokegang:

- o Ikwadiso ya Karolo 102 (Molao wa Tlhabololo ya Diminerale & Dirisiwa tsa Petoroliamo - MPRDA)
- o Tsamaiso ya Tumelelo ya Tikologo (EA) (Molao wa Tsamaiso ya Tikologo ya Bosetshaba-NEMA) Ditiro 12, 30, 34 le 48 (Lenaane la Kitsiso 1); 6 le 15 (Lenaane la Kitsiso 2); 12 (Lenaane la Kitsiso 3) le Laesense ya Tsamaiso ya Matlakala (WML) (Molao wa Tsamaiso ya Tikologo ya Bosetshaba: Leswe - NEM:WA) ikwadiso: Ditiro 7, 10 & 11 (Karolo B) (NEM: WA).
- o Pego ya Tshakatsheko le EIA le EMP
- o Tsamaiso ya go tshwaela ga batsayakarolo le baitseanape

GO NNA LE SEABE

Ikwadise mo database go bona tshedimosetso e e oketsegileng ka porojeke eno.

Seekaseka Bukana ya

Tshedimosetso ya lemorago, e e leng gone mo website e e sa tlhokeng data ya SLR :

<https://slrpublicdocs.datafree.co/public-documents>

Botsa dipotso ka porojeke.

Ntsha dintlha le dikakantsho tse di tla akarediwa mo Pegong ya Tlhatlhubo ya Diphelelo Tsa Tikologo.

INVITATION TO PARTICIPATE IN AN ENVIRONMENTAL IMPACT ASSESSMENT PROCESS

ADDITIONAL WASTE STORAGE AT THE THARISA MINE, NORTHERN CAPE

Tharisa Minerals (Pty) Ltd (Tharisa) is an opencast mining operation that produces chrome and platinum group metals concentrate. The mine is located on the farms 342 JQ and Elandsdrift 467 JQ, North West Province.

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- o Scoping Report and EIA and EMP
- o Stakeholder engagement process and specialist input

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HOW TO REGISTER:

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Reinett Mogotshi (SLR)

Phone: 011 467 0945

Email: rmogotshi@slrconsulting.com



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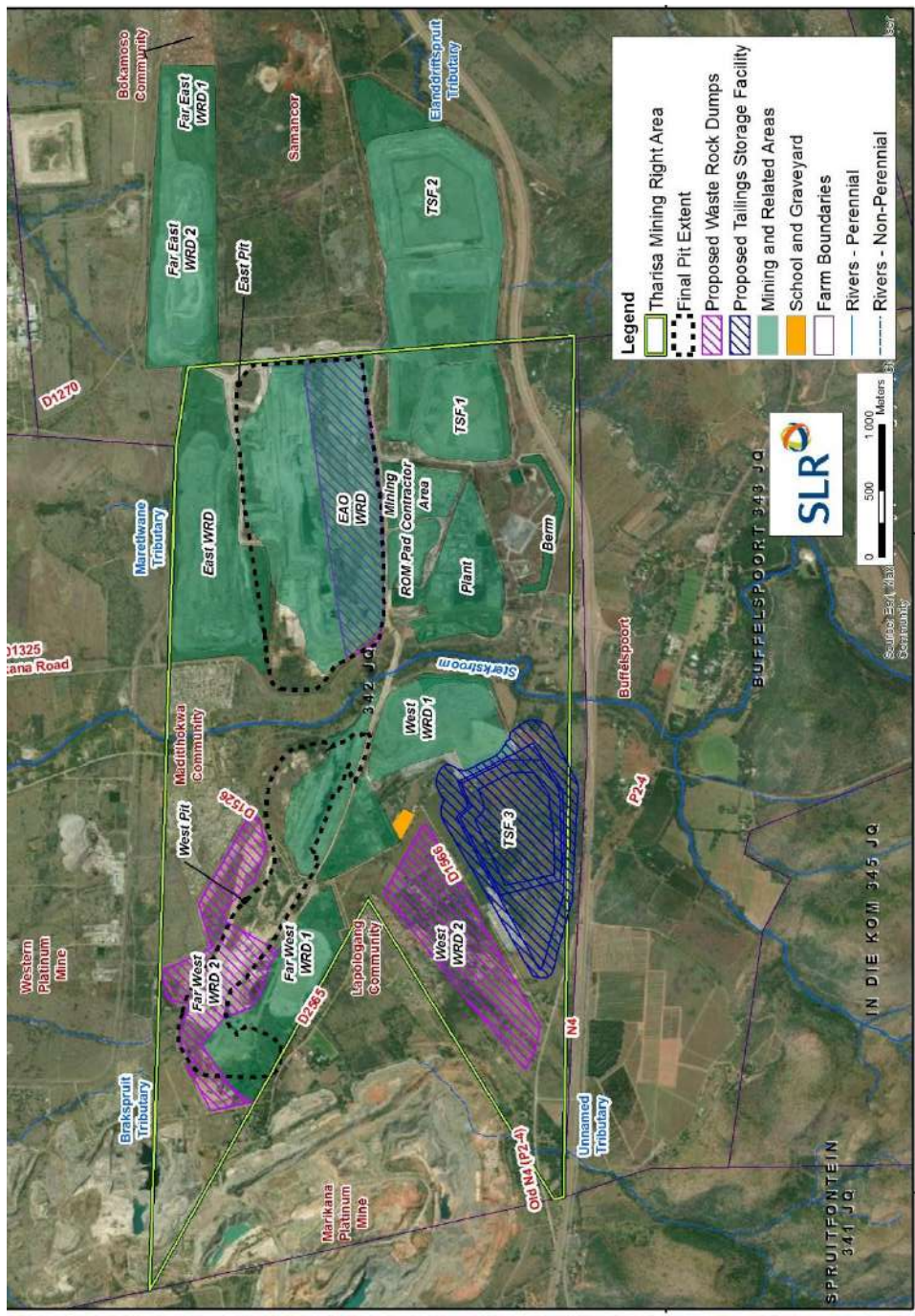
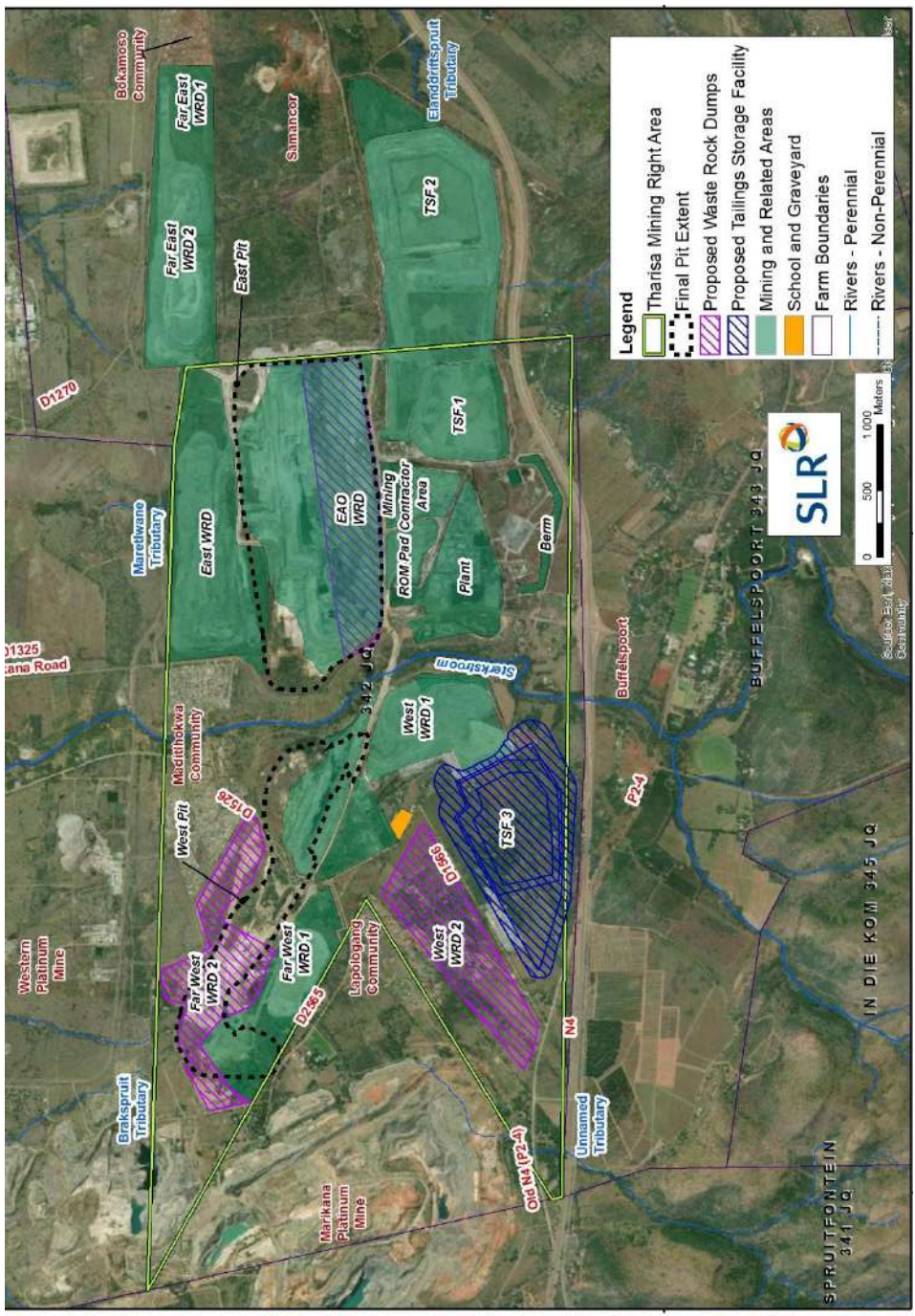
Review Background Information

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Phone: 011 467 0945

Email: rmogotshi@slrconsulting.com



Authorisations Required and Key Process elements:

- o Amended Environmental Management Programme report (Mineral & Petroleum Resources development Act, 2002 (Act. 28 of 2002).
- o Integrated Environmental Authorisation (National Environmental Management Act, 1998 (No. 107 of 1998) and National Environmental Management Waste Act, 2008 (No. 59 of 2008).
- o Scoping Report and Environmental Impact Assessment and Environmental Management Programme.
- o Stakeholder engagement process and specialist input.

HOW YOU CAN PARTICIPATE

Register on the database to receive more information regarding project.

Review Background Information Document, available on SLR data-free website:
<https://slrpublicdocs.datafree.co/public-documents>

Ask questions about the project.

Raise issues and give suggestions for inclusion into the Scoping and Environmental Impact Assessment Reports.

INVITATION TO PARTICIPATE IN AN ENVIRONMENTAL IMPACT ASSESSMENT PROCESS

ADDITIONAL WASTE STORAGE AT THE THARISA MINE, NORTHERN CAPE

Tharisa Minerals (Pty) Ltd (Tharisa) is an opencast mining operation that produces chrome and platinum group metals concentrate. The mine is located on the farms 342 JQ and Elandsdrift 467 JQ, Northwest Province.

Mining is undertaken in two mining sections, the East Mine and West Mine. Waste rock from the open pit areas is either stockpiled on Waste Rock Dumps (WRD's) or backfilled into the open pit as part of concurrent rehabilitation. As part

of its on-going mine planning Tharisa has identified the need for additional waste rock storage on site. Tharisa is therefore proposing to extend a previously approved WRD; establishing WRD's above backfilled portions of the East and

West pits and increase the capacity of the existing tailings storage facilities (TSFs) in the form of self raising.

YOUR ROLE

You have been identified as an Interested and/or Affected Party (I&AP) who may want to be informed about and have input on the proposed project and process.

HOW TO REGISTER:

SLR Consulting (South Africa) (Pty) Ltd has been appointed by Tharisa to manage the Environmental Authorisation process.

Reinett Mogotshi (SLR)

Phone: 011 467 0945

Email: rmogotshi@slrconsulting.com



Authorisations Required and Key Process elements:

- o Amended Environmental Management Programme report (Mineral & Petroleum Resources development Act, 2002 (Act. 28 of 2002).
- o Integrated Environmental Authorisation (National Environmental Management Act, 1998 (No. 107 of 1998) and National Environmental Management Waste Act, 2008 (No. 59 of 2008).
- o Scoping Report and Environmental Impact Assessment and Environmental Management Programme.
- o Stakeholder engagement process and specialist input.

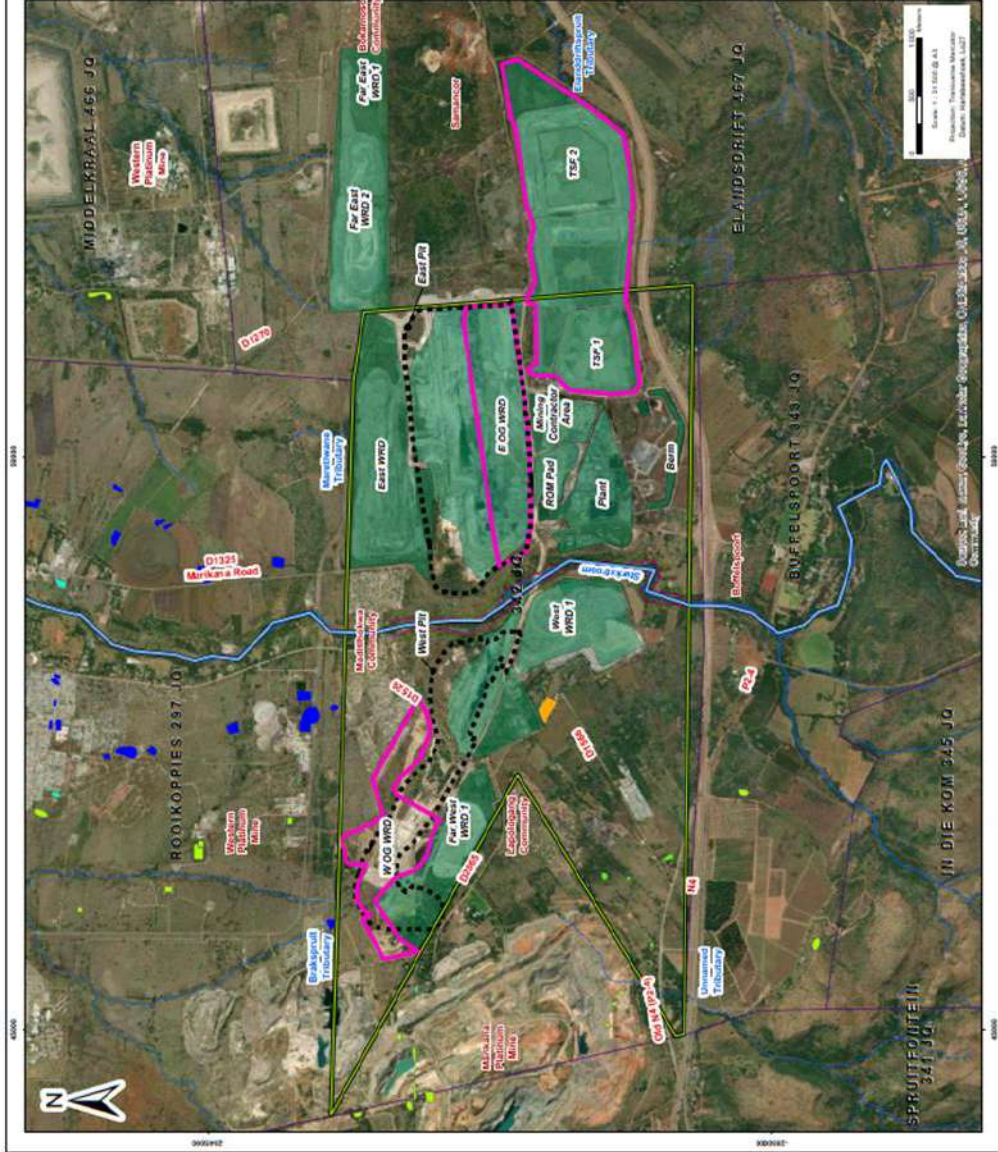
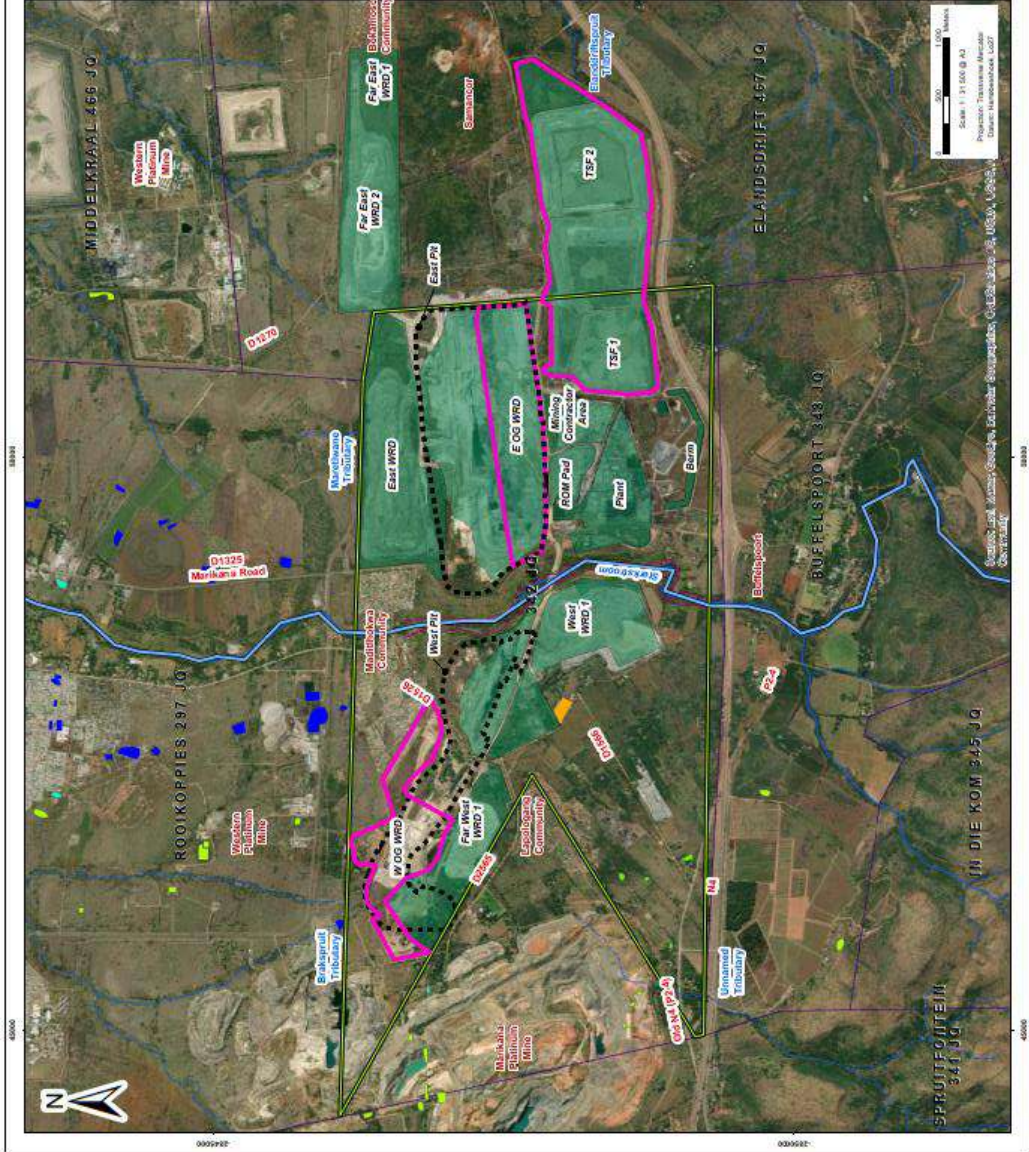
HOW YOU CAN PARTICIPATE

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Review Background Information Document, available on SLR data-free website:
<https://slrpublicdocs.datafree.co/public-documents>

Ask questions about the project.

Raise issues and give suggestions for inclusion into the Scoping and Environmental Impact Assessment Reports.



Locations of Tharisa Mine

Tharisa Mine
 Limpopo
 North West
 Gauteng
 Free State
 Kwazulu-Natal
 Northern Cape
 Western Cape
 Eastern Cape

Legend

- Tharisa Mining Right Area
- Final Pit Extent
- Proposed Project Components
- Mining and Related Areas
- School and Graveyard
- Farm Boundaries
- Rivers - Perennial
- Rivers - Non-Perennial
- 1:100 Floodlines
- Regional Maximum Floodlines
- MEPEA Rivers
- CLASS C - Moderately Modified
- MEPEA Wetlands
- Faith
- Unchanneled valley-bottom wetland
- Valleyhead seep

THARISA MINERALS (Pty) Ltd

Figure 1
Local Setting

Scale: 1:11 000 @ A3
 Projection: Transverse Mercator
 Datum: Transverse Mercator
 Units: Meter

0000000 5800000 0000000 5800000

SLR

SLR Consulting (Pty) Ltd
 9 Dube Road, Sandton
 Tel: +27 (0)11 462 9484 Fax: +27 (0)11 462 9478

2022/04/04

Locations of Tharisa Mine

Tharisa Mine
 Limpopo
 North West
 Gauteng
 Free State
 Kwazulu-Natal
 Northern Cape
 Western Cape
 Eastern Cape

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2022/04/04

TALETSO YA GO NNA LE SEABE MO TSAMAISONG YA GO TLHATHOBA DITLAMORAGO MO TIKOLOGONG

MABOLOKELO A A OKETSEGILENG A MATLAKALA KWA THARISA MINE, KAPA BOKONE

Tharisa Minerals (Pty) Ltd (Tharisa) ke moepo wa khuti e e bulegileng o o tlhagisang selekanyo se segolo sa ditshipi tsa *chrome* le polatinamo. Moepo wa khuti e e bulegileng o mo polasing ya 342 JQ le Elandsdrift 467 JQ, Porofenseng ya Bokone Bophirima.

Go epa go dirwa mo dikarolong tse pedi tsa meepo, e leng East Mine le West Mine. Maje a a latlhilweng go tswa mo mafelong a meepo a ka tswa a kokoantswe mo Mafelong a Maje a a Latlhilweng (WRD) kgotsa a busediwa mo dikhuting tse di bulegileng jaaka karolo ya go tsosolosa lefatshe leo. Mo leanong la yone le le tswelelang, Tharisa e lemogile gore go tlhokega mabolokelo a a oketsegileng a maje a a latlhilweng. Ka jalo, Tharisa e akantsha go oketsa WRD e e neng e setse e dumeletswe; le go tlhoma dikarolwana tse di fa godimo tsa maje a a buseditsweng tsa di-WRD mo dikhuting tsa East le West, le go oketsa bogolo jwa mabolokelo a maje a a latlhegileng a a setseng a le gone (TSF) ka mkgwa wa go oketsa boleela.

SEABE SA GAGO

O tlhophilwe go nna Motsayakarolo yo o Kgatlhegang le/kgotsa yo o Amegang (I&AP) yo o batlang tshedimotsetso ka porojeke le tsamaiso e e akanyeditsweng.

KAFA O IKWADISANG KA GONE:

SLR Consulting (South Africa) (Pty) Ltd e tlhomilwe ke Tharisa go laola tsamaiso ya Tumelelo ya Tikologo.

Reinett Mogotshi (SLR)

Nomoro ya Mogala: 011 467 0945

Imeili: rmogotshi@slrconsulting.com



Ditumelelo Tse di Tlhokegang:

- o Pego ya Lenaneo le le Fetotsweng la Taolo ya Tikologo (Molao wa Tlhabololo ya Diminerale & Didirisiwa tsa Petoroliamo - MPRDA)
- o Tsamaiso ya Tumelelo ya Tikologo ((Molao wa Tsamaiso ya Tikologo ya Bosetshaba, 1998 (107 wa 1998))(NEMA), le (Molao wa Tsamaiso ya Tikologo ya Bosetshaba: Leswe, 2008 (59 wa 2008))(NEM: WA)).
- o Pego ya Tshakatsheko ya Diphelelo le Thulaganyo ya Tsamaiso ya Tikologo.
- o Tsamaiso ya go tshwaela ga batsayakarolo le baitseanape

KAFA O KA NNANG LE SEABE KA GONE

Ikwadise mo *database* go bona tshedimotsetso e e oketsegileng ka porojeke eno.

Sekaseka Bukana ya Tshedimotsetso ya lemorago, e e

leng gone mo website e e sa tlhokeng data ya SLR :

<https://slrpublicdocs.datafree.co/public-documents>

Botsa dipotso ka porojeke.

Ntsha dintlha le dikakantsho tse di tla akarediwa mo Pegong ya Tlhatlhobo ya Diphelelo Tsa Tikologo.

TALETSO YA GO NNA LE SEABE MO TSAMAISONG YA GO TLHATHOBA DITLAMORAGO MO TIKOLOGONG

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Reinett Mogotshi (SLR)

Nomoro ya Mogala: 011 467 0945

Imeili: rmogotshi@slrconsulting.com



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KAFA O KA NNANG LE SEABE KA GONE

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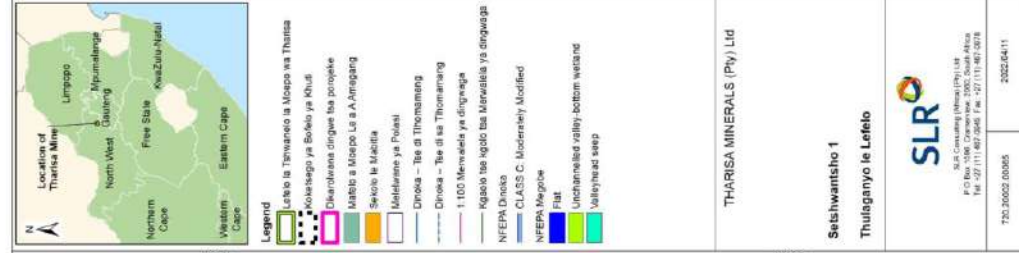
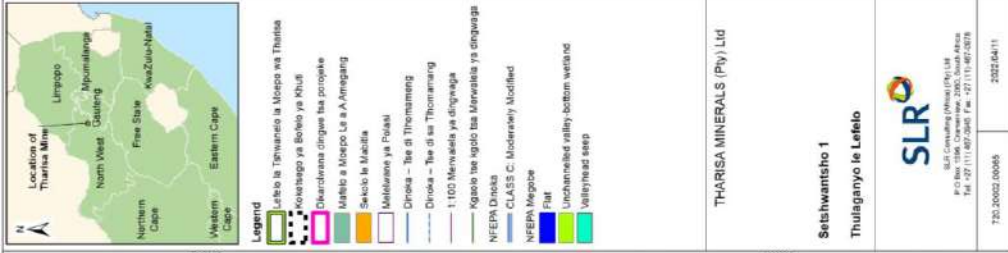
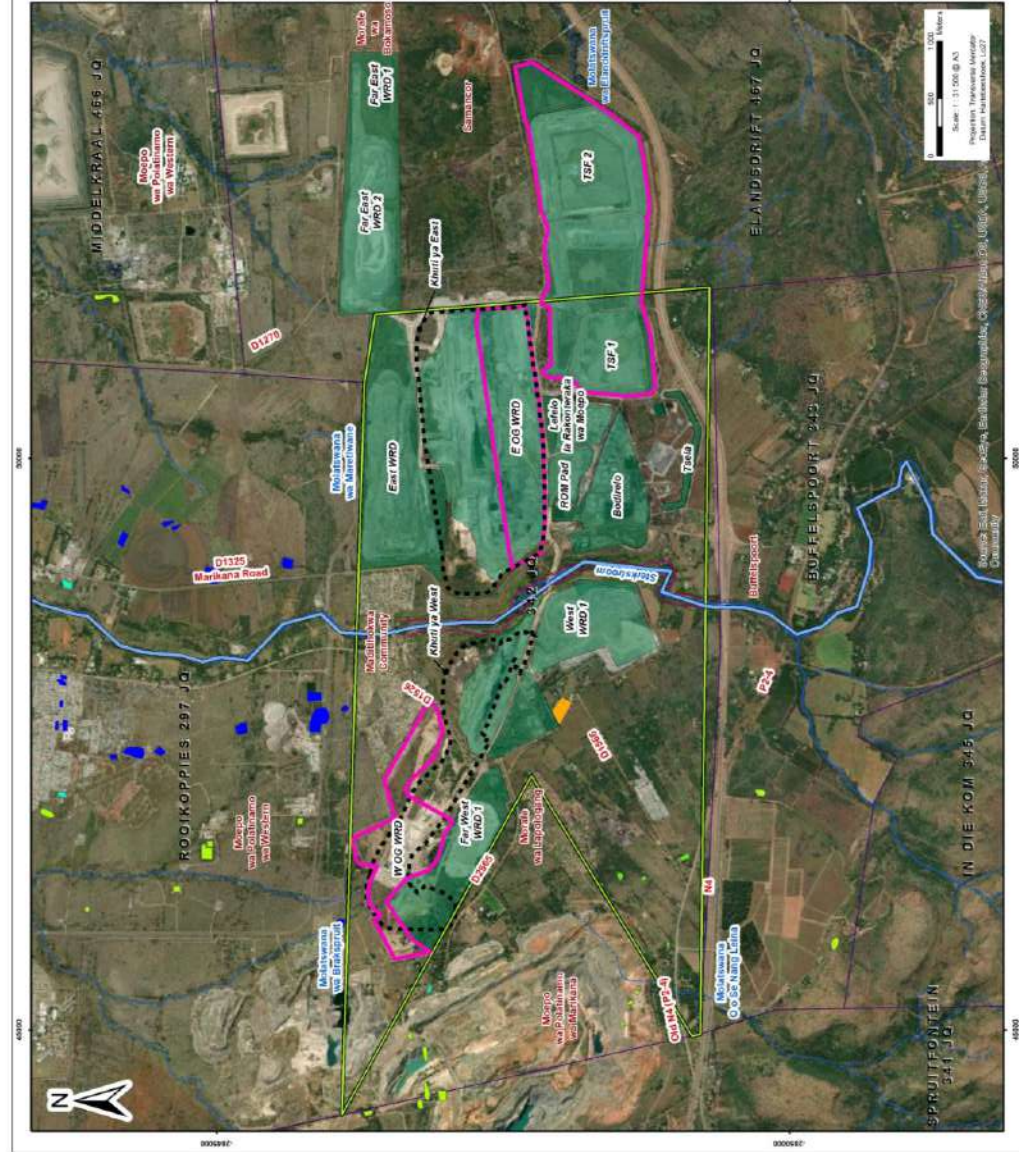
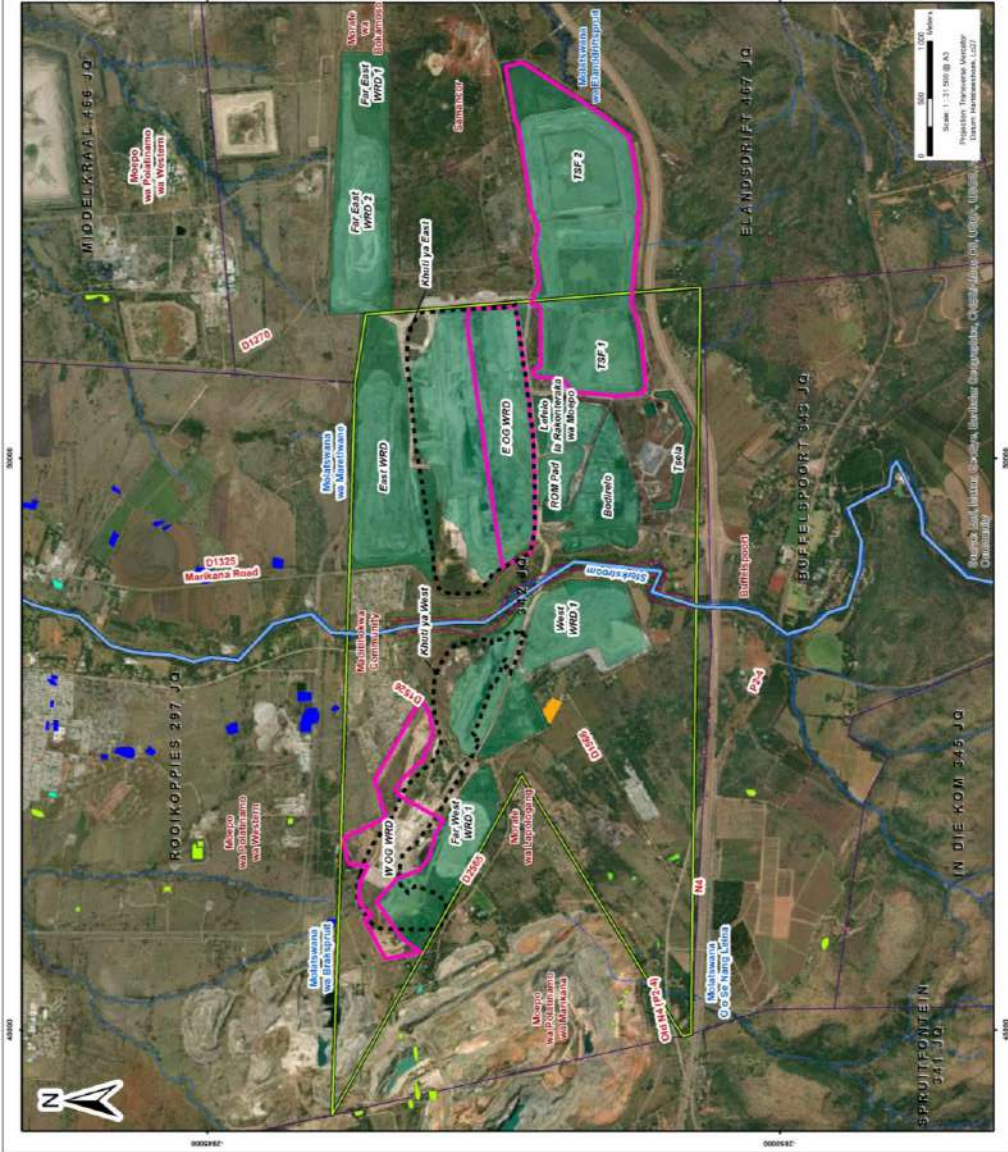
Sekaseka Bukana ya Tshedimotsetso ya lemorago, e e

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Botsa dipotso ka porojeke.

Ntsha dintlha le dikakantsho tse di tla akarediwa mo Pegong ya Tlhatlhobo ya Diphelelo Tsa Tikologo.



UITNODIGING OM DEEL TE NEEM AAN 'N PROSES VAN OMGEWINGSIMPAKBEPALING

ADDISIONELE AFVALBERGING BY DIE THARISA-MYN, NOORDWES PROVINSIE

Tharisa Minerals (Edms.) Bpk. (Tharisa) is 'n oopgroepmyn wat chroom en platinum-groepmetale konsentraat produseer. Die myn is geleë op die plaas 342 JQ en Elandsdrift 467 JQ, Noordwes Provinsie.

Mynbou vind in twee mynafdelings plaas, die Oostelike Myn en Westelike Myn. Afvalrots uit die oopgroef-areas word op afvalrotshope (WRD - *waste rock dump*) opgegaan of weer in die oopgroef opgevuul as deel van gelyktydige rehabilitasie. As deel van sy deurlopende mynbeplanning het Tharisa die behoefte aan addisionele afvalrotsberging op die perseel geïdentifiseer. Tharisa stel dus voor om 'n voorheen goedgekeurde WRD uit te brei; om WRD's bo heropgevuulde gedeeltes van die Oostelike en Westelike groewe te vestig en om die kapasiteit van die bestaande bergingsfasiliteite vir spoelsels (TSF's) te vergroot deur 'n toename in hootge.

Magtigings en Proses elemente benodig :

- o Gewysigde Omgewingsbestuursprogramverslag (Wet op die Ontwikkeling van Minerale en Petroleumhulpbronne. Wet 28 van 2002).
- o Geïntegreerde Omgewingsmagtiging (Wet op Nasionale Omgewingsbestuur – NEMA (No. 107 van 1998) en aansoek om 'n Afvalbestuurslisensie (Wet op Nasionale Omgewingsbestuur: Afval NEM:WA (No. 59 van 2008)).
- o Verkennende Verslag en Omgewingsimpakstudie en Omgewingsbestuursprogram.
- o Skakelingsproses met belanghebbendes en insette van deskundiges.

U ROL

You have been identified as an Interested and/or Affected Party (I&AP) who may want to be informed about and have input on the proposed project and process.

HOE OM TE REGISTREER:

SLR Consulting (Suid-Afrika) (Edms.) Bpk. is deur Tharisa aangestel om die proses van Omgewingsmagtiging te bestuur.

Reinett Mogotshi (SLR)

Phone: 011 467 0945

Email: rmogotshi@slrconsulting.com



HOE U KAN DEELNEEM

Registreer op die databasis om meer inligting oor die projek te ontvang.

Gaan die Agtergrondinligting-dokument na wat op die SLR datavrye webwerf beskikbaar is: <https://slrpublicdocs.datafree.co/public-documents>

Stel vrae oor die projek.

Opper kwessies en maak voorstelle vir insluiting by die Verkennende en Omgewingsimpakbepaling-verslae.

UITNODIGING OM DEEL TE NEEM AAN 'N PROSES VAN OMGEWINGSIMPAKBEPALING

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- o Verkennende Verslag en Omgewingsimpakstudie en Omgewingsbestuursprogram.
- o Skakelingsproses met belanghebbendes en insette van deskundiges.

U ROL

U is geïdentifiseer as 'n Belangstellende en/of Geaffekteerde Party (B&GP) wat moontlik ingelig wil wees en insette wil lewer oor die voorgestelde projek en proses.

HOE OM TE REGISTREER:

SLR Consulting (Suid-Afrika) (Edms.) Bpk. is deur Tharisa aangestel om die proses van Omgewingsmagtiging te bestuur.

Reinett Mogotshi (SLR)

Telefoon: 011 467 0945

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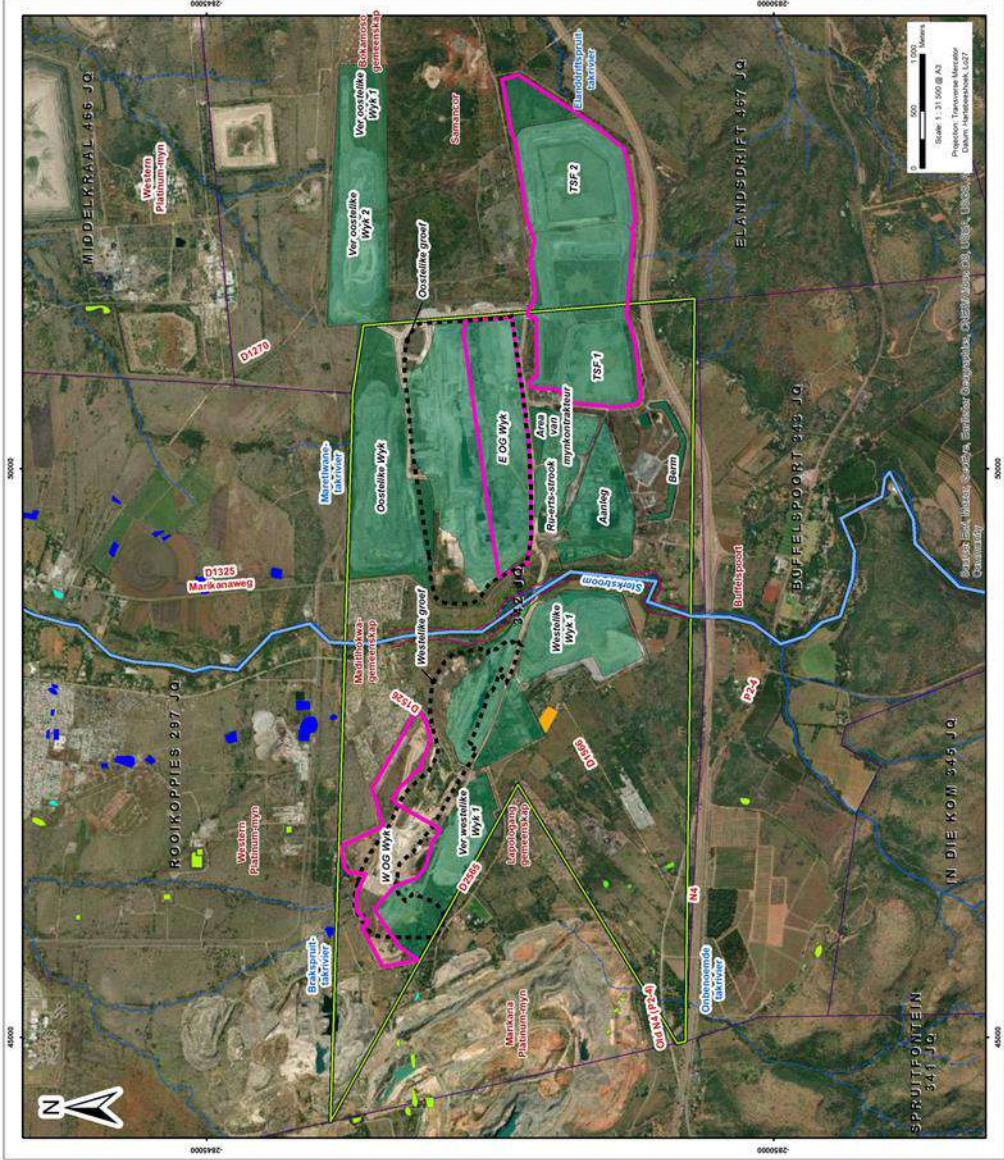
HOE U KAN DEELNEEM

Registreer op die databasis om meer inligting oor die projek te ontvang.

Gaan die Agtergrondinligting-dokument na wat op die SLR datavrye webwerf beskikbaar is: <https://slrpublicdocs.datafree.co/public-documents>

Stel vrae oor die projek.

Opper kwessies en maak voorstelle vir insluiting by die Verkennende en Omgewingsimpakbepaling-verslae.

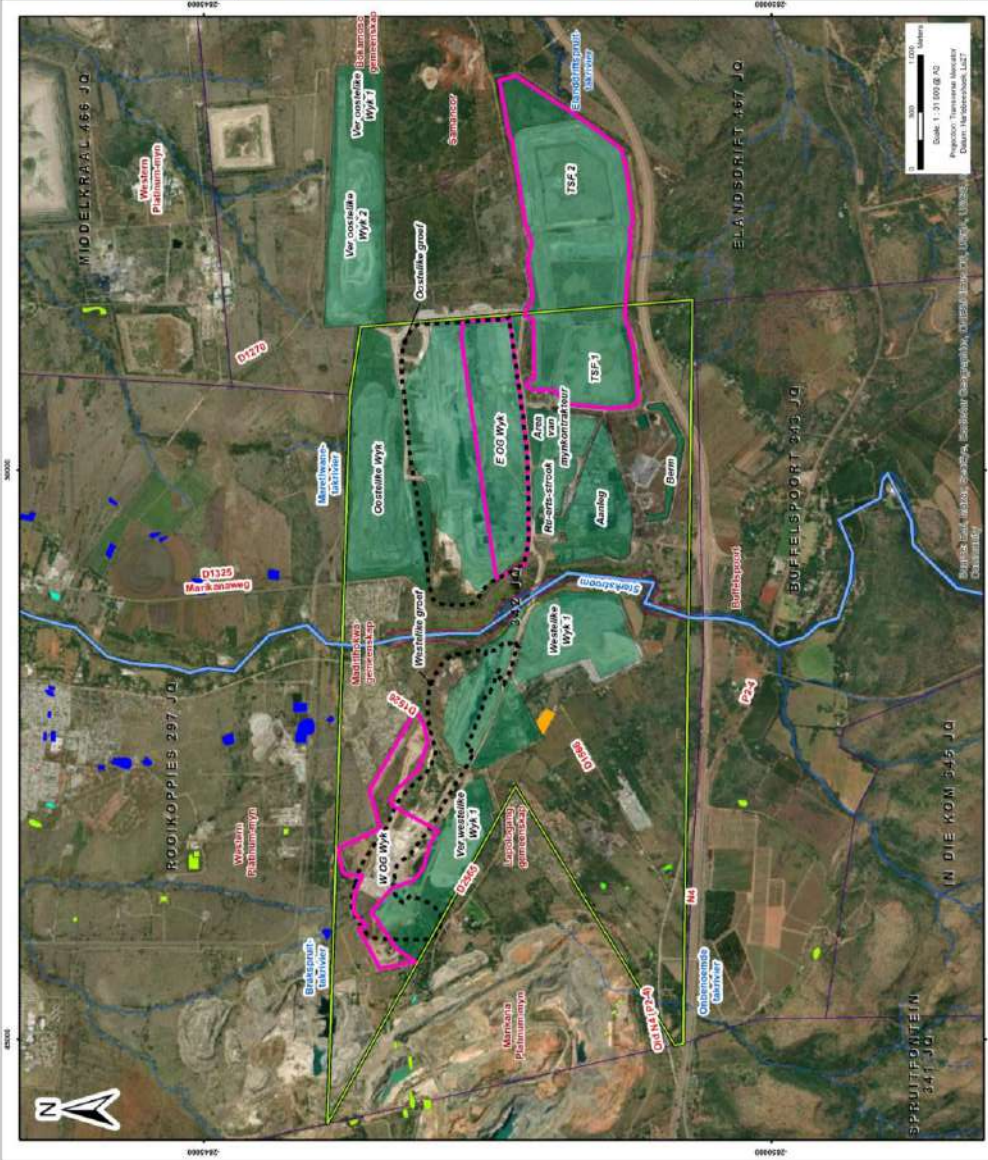


- Legend**
- Tharisa-myngebied
 - Omvang van finale groef
 - Voorgestelde projék komponente
 - Myn en verwante gebiede
 - Stoed en begraafplaas
 - Plasgrensse
 - Riviere - Standhouderheid
 - Riviere - Niestandhouderheid
 - 1:100 Voedtyne
 - Streets maksimum vloedtyne
 - NFEPA Riviere
 - Klas C. Matig gewysig
 - NFEPA Vleivande
 - Fliet
 - Unchannelled valley-bottom wetland
 - Valleyhead seep

THARISA MINERALS (Pty) Ltd

**Figuur 1
Plaaslike Omgewing**

SLR
SLR Consulting Africa (Pty) Ltd
P.O. Box 1596, Cornerstone 2005, South Africa
Tel: +27 (11) 659 5251 Fax: +27 (11) 659 5253
2022/04/11
720.20002.00065



- Legend**
- Tharisa-myngebied
 - Omvang van finale groef
 - Voorgestelde projék komponente
 - Myn en verwante gebiede
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THARISA MINERALS (Pty) Ltd

**Figuur 1
Plaaslike Omgewing**

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SLR Consulting Africa (Pty) Ltd
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2022/04/11
720.20002.00065

THARISA MINERALS (PTY) LTD

MINUTES OF COMMUNITY LEADERSHIP MEETING

DATE	30 July 2021
VENUE:	Legai Roi Game Lodge
PROJECT:	Additional Waste Rock Storage at The Tharisa Mine
SLR COMPANY:	SLR Consulting (South Africa) Pty Ltd
PROJECT NUMBER:	720.20002.00065
PURPOSE:	<p>The purpose of the meeting was to:</p> <ul style="list-style-type: none"> • Introduce the project to the community leaders; and • Agree on a way forward with regards to the public participation process
ATTENDANCE:	An attendance register is presented in Appendix 2.

1. INTRODUCTION

Tharisa Minerals (Pty) Ltd (Tharisa) is an opencast mining operation that produces chrome and platinum group metal (PGMs) concentrates. The mine has been operational since 2008. The opencast mine is located on farms 342 JQ and Elandsdrift 467 JQ, south of the Marikana Town, in the North West Province.

The meeting with the community leadership to present the project was scheduled for 10:00 on Friday, 30 July 2021. This meeting was attended by representatives from Bokamoso, Lapologang and Mmaditlhokwa communities.

2. OVERVIEW AND PRESENTATION

Mrs Kate Hamilton (SLR) provided an overview of the proposed waste rock dump storage project. The presentation is included on Appendix 1. Hard copies of the meeting presentation were made available and handed out to attendees at the meeting. A copy of the presentation is included in Appendix 1.

3. DISCUSSION

A number of issues were raised during the meeting and recorded (see Table 3-1). Where a response was provided this has been included.

Table 3-1 Comments Raised During the Meeting

Issue Raised	By Whom	Response (given by SLR unless stated otherwise)
Are the proposed waste rock dumps located within the community or do they encroach onto the community?	Councillor Phillip Mntombi (Mmadithlokwa)	There is a community (Lapologang) within the footprint area of the West Waste Rock Dump. Two of the proposed waste rock dumps are above backfilled areas of the existing open pits.
Can Tharisa consider giving the dumps to the communities to use as aggregate for cement making for example?	Councillor Phillip Mntombi (Mmadithlokwa)	Ideas from the communities of how the waste rock dumps can be utilised are welcomed by SLR and Tharisa. These inputs/ideas will be forwarded to Tharisa's Social and Labour Plan (SLP) implementation team for consideration.
The purpose of the meeting is Tharisa telling the leadership that they have a project that they would like to initiate, the leadership cannot help the mine with its operations. Especially when there are no job opportunities associated with the project. This presentation should include the socio-economic benefits associated with the project.	Lie Mokamedi (Bokamoso)	The detailed socio-economic benefits are not available at this stage of the process. This will be looked at in the Scoping Phase. SLR will work with Tharisa to outline the direct employment benefits of the project. It should, however, be noted that as the waste rock storage project is a continuation of existing operations, it is unlikely to result in significant generation of employment opportunities (as part of this project).
Tharisa now knows about the community called Bokamoso, the leadership from Bokamoso have raised several noise and air quality complaints which were never attended to. The leadership does not see how the Bokamoso community will benefit from the project.		Noted, this comment will be forwarded to Tharisa for consideration. It should, however, be noted that as part of the current EIA process air and noise impacts will be assessed.
The leadership cannot support the project when the community is not benefiting. Tharisa should take the project to the community and outline the socio-economic benefits, as the community is the one that suffers. Tharisa is consulting with the community because they are looking for a way to get the project through to the Department of Mineral Resources and Energy (DMRE) as they know they cannot do this project without the community.		SLR is speaking to the communities as part of the initial project consultation. The 1st step is the community leadership and then will roll out to the rest of the communities. The meeting today was to get input from the community leadership on how best to engage the communities. A separate meeting needs to be held with Tharisa in terms of SLP benefits.
Can you outline the opportunities that come with the project to the community?	Gordon Mokotedi (Tharisa)	The detailed socio-economic benefits are not available at this stage of the process. This will be looked at in the Scoping Phase. A separate meeting needs to be held with Tharisa in terms of SLP benefits.
It is painful that the leadership went to the DMRE to present a proposal for the community to use the waste rock dumps as aggregate, the DMRE referred the leadership back to Tharisa and the proposal was not	Councillor Phillip Mntombi (Mmadithlokwa)	Noted, A separate meeting needs to be held with Tharisa in terms of SLP benefits.

Issue Raised	By Whom	Response (given by SLR unless stated otherwise)
<p>taken into account. We have waste rock dumps that will encroach on the community in a land that does not belong to Tharisa, the leadership would like to obtain additional information regarding the socio-economic benefits before giving approval to the project to avoid being labelled as sell outs.</p>		
<p>The leadership cannot always come to approve the project when the community is not benefiting. The attendance register should not be submitted to the DMRE until the socio-economic benefits of the project are outlined. We have made attempts to engage with Tharisa regarding environmental issues such as the blasting methods used (which is very dangerous), noise and dust and we did not get any assistance. We, therefore, cannot sit here and approve the project. The communities will be asking questions which we are not able to answer. We, therefore, please with SLR and Tharisa to meet us halfway.</p>	<p>Councillor Ellen Dikgang (Bokamoso)</p>	<p>SLR is having upfront discussions with the community leadership to let them know of what Tharisa would like to do going forward. Attendance at these meetings does not provide any form of approval for the project and the attendance register is to provide proof that consultation has been done as is required under the National Environmental Management Act as part of the EIA process.</p>
<p>What we are doing today does not assist the communities at all. There have been multiple proposals from businesses around Bokamoso that were submitted to Tharisa, requesting access to the waste rock dumps for brick making, etc. No feedback has been received to date.</p>	<p>Councillor Ellen Dikgang (Bokamoso)</p>	<p>Ideas of how the waste rock dumps can be used are welcomed. These inputs/ideas will be forwarded to Tharisa's SLP team for consideration. There is an aspect of health and safety related to the use of the waste rock dumps as aggregate. This would need to be investigated by Tharisa.</p>
<p>Councillor Philip was at DMRE to propose the use of the waste rock dumps as aggregate, there are businesses in the communities that are qualified and could use the waste rock dumps to benefit their businesses.</p>	<p>Councillor Ellen Dikgang (Bokamoso)</p>	<p>Post Meeting response: Tharisa to give input here as Alu mentioned that there are some such projects currently being undertaken.</p>
<p>How many tons of waste rock dumps will be produced as a result of the proposed project and how long is the project.</p>	<p>Lie Mokamedi (Bokamoso)</p>	<p>Details not available at the meeting, SLR will provide feedback when available.</p>

Issue Raised	By Whom	Response (given by SLR unless stated otherwise)
<p>The leadership cannot provide inputs to the public participation process until the socio-economic benefits of the project are outlined. The leadership will then advise if they would like the community meetings to be held in light of COVID-19.</p>	<p>All Representatives</p>	<p>Tharisa will investigate the socio-economic benefits and discuss the opportunities as part of the SLP initiatives. It should be noted that the process being discussed today is an environmental process for the increased waste rock storage on site. The proposed project is an extension of the current mining operations on site.</p> <p>The SLP Process inclusive of community initiatives can be run in parallel with the environmental process. As part of the SLP process, opportunities and benefits for the communities are identified and rolled out are on a larger scale than just this project. The socio-economic opportunities associated with the project will be provided by Tharisa and discussed directly with the communities.</p>
<p>Another meeting should be scheduled shortly to present the socio-economic benefits of the project. Once a meeting is held, the environmental assessment process can proceed.</p>	<p>All Representatives</p>	<p>A meeting will be scheduled as soon as possible between Tharisa and the doorstep communities to discuss the potential socio-economic benefits as identified in the SLP.</p>

4. THE WAY FORWARD

The following was agreed to at the meeting:

- Another leadership meeting will be scheduled as soon as possible to discuss the potential socio-economic benefits;
- The community leadership will provide guidance on the proposed public participation following the socio-economic benefits presentation by Tharisa; and
- Meeting minutes will be distributed to all attendees for record keeping.

5. CLOSE

Attendees were thanked for their input and for making time to attend the meeting. The meeting was closed by Mr. Gordon Mokotedi.


APPENDIX 1: A COPY OF THE PRESENTATION

THARISA MINERALS (PTY) LTD

ADDITIONAL WASTE ROCK STORAGE AT THE THARISA MINE

COMMUNITY LEADERSHIP MEETING

30 July 2021




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AGENDA

- Welcome and opening
- Overview of the current operations
- Overview of the proposed project
- Motivation and alternatives overview
- Environmental authorisation process overview
- Overview of the existing status of the environment
- Potential biophysical, cultural and socio-economic impacts and specialist input (where relevant)
- Proposed Public Participation Process
- Discussion
- Close



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MEETING PROTOCOL

- Please switch cell phones off or place on silent.
- There will be a dedicated question and answer session.
- This meeting will be recorded with your permission.







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WELCOME AND OPENING

Tharisa	SLR
<ul style="list-style-type: none"> • Patrick Sibuyi (Environmental Co-Ordinator) • Pebetse Mabaso (SLP Manager) 	<ul style="list-style-type: none"> • Kate Hamilton (Project Manager) • Reinett Mogotshi (Public Participation Facilitator)




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OVERVIEW OF CURRENT OPERATIONS

- Tharisa is a PGM and chrome producer in the Rustenburg Local Municipality and Bojanala District of the North West Province.
- The mine holds existing Environmental Authorisations and licences.
- Mining commenced in 2008 and takes place within 2 mining sections (East Mine and West Mine), separated by the perennial Sterkboom River and the D1325 (Marikana Road).
- Facilities include open pits, WRDs, haul roads, concentrator plant, product handling and loading, TSF, support facilities and services.



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Map showing mining sections, roads, and environmental features. Includes a legend and scale bar.



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OVERVIEW OF THE PROPOSED PROJECT


As part of its on-going mine planning Tharisa has identified the need for additional waste rock storage on site. In this regard, Tharisa is proposing to:

- Establish a new Waste Rock Dump (WRD) – referred to as West WRD 2.
- Extend a previously approved WRD – referred to as Far West WRD 2.
- Establish waste rock above backfilled portions of the West and East pits – referred to as Far West WRD 2 and EAO WRD, respectively.

Total application area = approx. 238 ha (most of this will be located on undisturbed areas, while the remaining sections are located within existing disturbed areas).

The design and construction of the proposed WRDs will be similar to the existing WRDs at Tharisa:

- Approx. height of 70m.
- Final slope to allow for rehabilitation.

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MOTIVATION AND ALTERNATIVES

Motivation for the proposed project:

- Additional waste rock storage is required to accommodate ongoing mining operations.
- Already disturbed areas will be used as far as possible to limit additional clearance and disturbance.
- Sections of backfilled pits will be used to develop above ground waste rock facilities.

Project alternatives:

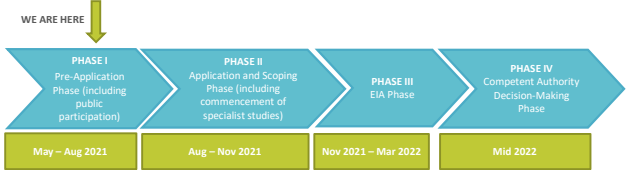
- No location alternatives have been considered – the proposed WRDs fall within Tharisa’s mining right area which is constrained for open space.

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ENVIRONMENTAL AUTHORISATION PROCESS

WE ARE HERE ↓



PHASE I Pre-Application Phase (including public participation)	PHASE II Application and Scoping Phase (including commencement of specialist studies)	PHASE III EIA Phase	PHASE IV Competent Authority Decision-Making Phase
May – Aug 2021	Aug – Nov 2021	Nov 2021 – Mar 2022	Mid 2022

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ENVIRONMENTAL AUTHORISATION PROCESS OVERVIEW


- Competent Authority:
 - North West DMRE.
- Commenting Authorities:
 - Department of Economic Development, Environment, Conservation and Tourism.
 - Department of Rural Environment and Agricultural Development.
 - Department of Rural Development and Land Reform including the Land Claims Commissioner.
 - Department of Forestry, Fisheries and Environment.
 - Department of Water and Sanitation.
 - North West Parks and Tourism Board.
 - Bojanala District Municipality.
 - Rustenburg Local Municipality.

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EXISTING STATUS OF THE ENVIRONMENT


Geology	<ul style="list-style-type: none"> • Bushveld Igneous Complex of the Rustenburg Layered Suite • Platinum and chrome ore body
Climate	<ul style="list-style-type: none"> • Highveld Climate Zone – mild temperatures, rain in spring and summer, high intensity thunderstorms, strong winds
Topography	<ul style="list-style-type: none"> • Magaliesberg Mountain Range (to the south) • Relatively flat (on site) • Drained by Sterkstroom (perennial)
Soils and Land Capability	<ul style="list-style-type: none"> • High clay content, not prone to erosion • Low dryland production potential • Moderate irrigation potential

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EXISTING STATUS OF THE ENVIRONMENT

Biodiversity	<ul style="list-style-type: none"> • Savanna Biome, Central Bushveld • Marikana Thornveld, Gold Reef Mountain Bushveld • Within Magaliesberg Biosphere • Protected species (Morula Tree), limited natural wildlife
Surface Water	<ul style="list-style-type: none"> • Crocodile West and Marico Water Management Area (A21K) • Sterkstroom River (perennial) • Smaller non-perennial tributaries • “No importance” NFEPA wetlands
Groundwater	<ul style="list-style-type: none"> • Minor aquifer region • Used for domestic and agricultural purposes
Air Quality	<ul style="list-style-type: none"> • Influenced by mining, industrial and agricultural activities

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EXISTING STATUS OF THE ENVIRONMENT

- Noise**
 - Receptors: residential and agricultural uses, President van Rensburg/Piet Retief school, natural areas
 - Influenced by mining activities, localised traffic and general community activities
- Heritage/cultural**
 - Stone Age and rock engraving sites (within the Magaliesberg)
 - Gravesites
- Paleontology**
 - None expected due to geology
- Visual**
 - Relatively flat plain with gentle slopes
 - Magaliesberg Mountain Range - main topographical feature
 - Transformed by mining operations and agricultural activities

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EXISTING STATUS OF THE ENVIRONMENT

- Socio-Economic**
 - North-West is 4th largest GDP contributor
 - Mining, agriculture and manufacturing as biggest contributors within the province
 - High unemployment rate within the province
 - Limited tertiary and secondary education
- Land Use**
 - Mining (Western Platinum, Marikana Platinum, Salene Mining, Samancor and Sogima Mining)
 - Agriculture (subsistence and commercial)
 - Residential (Mmaditlhokwa, Lapologang, Buffelspoort and Elandsdrift)

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HIGH LEVEL IDENTIFICATION OF POTENTIAL IMPACTS (UNMITIGATED)

Topic	Potential impacts identified at this stage
Geology	Sterilisation of resources.
Soils, land capability and agriculture	Physical disturbance and contamination of soil resources, loss of agricultural land.
Biodiversity	Physical loss and general disturbance of habitats and species.
Surface Water	Contamination and alteration of drainage patterns.
Groundwater	Contamination of resources.
Heritage/cultural and palaeontological	Loss or damage to resources.
Air and noise	Increase in emissions and ambient levels.
Visual	Contribution to alteration of visual landscape.
Socio-economic	Continued operation of the mine.

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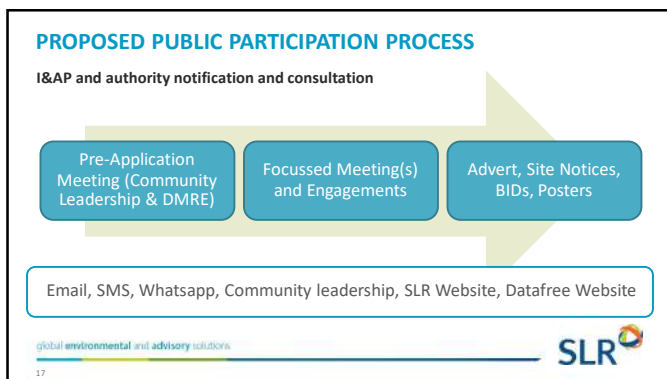
15

SPECIALIST STUDIES

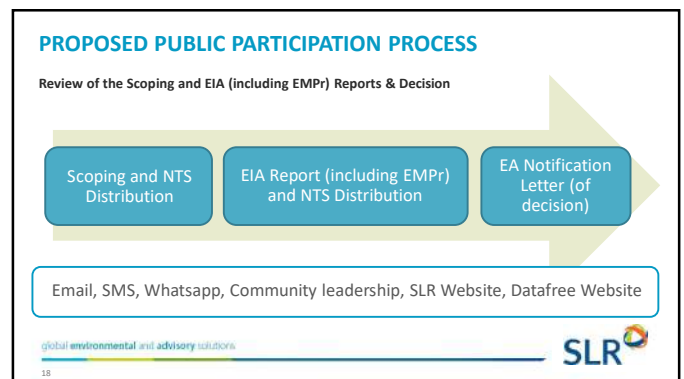
Aspect	Specialist Inputs (Where applicable)
Geology	Qualitatively assessed by EAP using available information
Soils, land capability and agriculture	Soils, land capability and agricultural study (informed by field work)
Biodiversity	Terrestrial and aquatic biodiversity study (informed by field work)
Surface water	Qualitatively assessed by EAP using available information
Groundwater	Groundwater study
Heritage/cultural resources	Heritage study (informed by field work) Palaeontology study (desktop)
Air	Air quality study
Noise	Noise study
Visual	Visual study (informed by field work)
Socio-economic	Qualitatively assessed by EAP
Closure	Update of financial provision and closure plan

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PROPOSED PUBLIC PARTICIPATION PROCESS

SLR would like the Community Leadership's input on the following:

- Where should site notices be displayed in the 4 communities?
- With Covid in mind where should a public meeting be held? And what is the best method of advertising this?
- What is the best method of distributing BIDs to the communities?

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CONSULTANT DETAILS

SLR Consulting (South Africa) Pty Ltd
Project Manager
Kate Hamilton
Tel: 011 467 0945
khamilton@slrconsulting.com

SLR Consulting (South Africa) Pty Ltd
Assistant Project Manager
Reinett Mogotshi
Tel: 011 467 0945
rmogotshi@slrconsulting.com

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CLOSE

THANK YOU FOR YOUR TIME, PARTICIPATION AND INTEREST
IN THE PROPOSED PROJECT

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APPENDIX 2: ATTENDANCE REGISTER

Name	Interest / Village
Thabo Ncheche	Lapologang Chairperson
Phillip Mntombi	Ward 32 Councillor
Collin Tebogo Dikhudu	Lapologang
Modise Tlou	Lapologang Village
Adelaide Zingi Ramotshabi	Bokamoso Ward Committee (Ward 27)
Lie Mookamedi	Bokamoso Ward 27
Nomhle Mgojo	Mooinooi
Ellen Dikgang	Mooinooi, Ward 27 Councillor
Gordon Mokotedi	Tharisa- SLP
Aluwali Kangala	Tharisa- Environmental Assistant
Kate Hamilton	SLR- Project Manager
Reinett Mogotshi	SLR- Public Participation Facilitator

NAME	DESIGNATION ^{END 30 JULY}	CONTACT DETAILS
Kate Hamilton	SLR Project Manager	072 850 0801 UK
Reinett Mosothu	SLR Environmental Consultant	073 511 6696 @Mosothu
Aluwani Kanyala Thabo Mcheche	Environmental Assistant Lapologang Chairperson	0798790566 Wangale. 082 8473 285 Wangale.
PHILIP MINTAMBA	WARD CLR ³²	0726786221 Wangale.
COWIN TEBOSO Dikhele Modise Tlou	LAPOLOGANG V/TIE Lapologang Village	065 584 5326 0722782349 Wangale.
ADELAIDE ZINGI RAMOTSHABI	BOKAMOSO Ward COMMITTEE (27)	072341 1401 Wangale. AN. Poni
LIE MOKAMEDI	BOKAMOSO (27)	071 897 4710 Wangale.
NOMHLI MGOJO	Mooimooi	0603065021 Wangale.
ELLEN DUKSANGI	MOOIMOOI (27)	0711449091 Wangale.
GORDON MOKOTEDI	THARISA-SP email: g.mokotedi@tharisa.com	0633717754 Wangale.

THARISA MINERALS (PTY) LTD

MINUTES OF COMMUNITY LEADERSHIP MEETING

DATE	15 August 2021
VENUE:	Legai Roi Game Lodge
PROJECT:	Additional Waste Rock Storage at The Tharisa Mine
SLR COMPANY:	SLR Consulting (South Africa) Pty Ltd
PROJECT NUMBER:	720.20002.00065
PURPOSE:	The purpose of the meeting was to introduce the project to the leadership and to agree a way forward with regards to the public participation process.
ATTENDANCE:	An attendance register is included in Appendix 2.

1. INTRODUCTION

Tharisa Minerals (Pty) Ltd (Tharisa) is an opencast mining operation that produces chrome and platinum group metal (PGMs) concentrates. The mine has been operational since 2008. The opencast mine is located on farms 342 JQ and Elandsdrift 467 JQ, south of the Marikana Town, in the North West Province.

A project introductory meeting with the community leadership was scheduled on 30 July 2021. During this meeting, the community leadership indicated that all the relevant representatives from the three communities; Bokamoso, Lapologang and Mmaditlhokwa, needed to be present. The community leadership would then provide guidance on the proposed public participation following a presentation on the socio-economic benefits for the communities by Tharisa.

The second meeting with the community leadership was scheduled for 10:00 on Monday 16 August 2021 for SLR to present the project to the additional community leadership members and too agree on the way forward for the public participation process. This meeting was attended by representatives from each of the communities; Bokamoso, Lapologang and Mmaditlhokwa.

Ms Pebetse Mabaso (SLP Manager - Tharisa), welcomed the leadership and SLR to the meeting. She indicated that there were two sessions that were planned for the day: the SLR Presentation and the Tharisa sessions with the communities to address the existing concerns. She explained that the purpose of the meeting with SLR was to agree on a way forward regarding how public participation for the project should be undertaken. Ms Mabaso then handed the meeting over to Mrs Kate Hamilton from SLR.

2. OVERVIEW AND PRESENTATION

Mrs Kate Hamilton (SLR) provided an overview of the proposed waste rock dump storage project. The presentation is included on Appendix 1. Hard copies of the meeting presentation were handed out to attendees at the meeting.

3. DISCUSSION

A number of issues were raised during the meeting (see Table 3-1). Where a response was provided this has been included.

Table 3-1 Comments Raised During the Meeting

Issue Raised	By Whom	Response (given by SLR unless stated otherwise)
The simplest way to communicate with the task team and the leadership can be via WhatsApp and email.	Tieho Ncheche (Lapologang)	Thank you, this system can be set up and communication done in this way.
The ideas presented by SLR regarding community engagement are acceptable, however, they target the youth. Elderly people who do not have access to the website still need to be engaged. As such, community meetings will be required to ensure that the elderly are able to participate in this process.	Tshepo Jonas (Mmadithokwa)	SLR will schedule meetings with the communities as part of the public participation process. The community must just be aware of the COVID-19 protocols which limits to the number of people allowed at each meeting (50 people indoors and 100 outdoors).
There are community members who do not have smart phones to access the project related information, as such the leadership would prefer for community meetings to be held. This will allow the elderly to participate in the process.	Lesiba Mookamedi (Bokamoso)	SLR can schedule meetings with the communities as part of the public participation process.
The proposed line of communication (i.e. the use of email, WhatsApp and SMS) is only effective when communicating with the leadership. These methods of communication will not be effective for the bulk of community members.	Elias (Did not sign the register)	SLR can schedule meetings with the communities as part of the public participation process.
Did SLR consult with the DMRE? Or are they only starting to consult with the community leadership? Can we as the leadership receive the presentation that was done for the DMRE?		A project announcement meeting was held with the community leadership on the 30 July 2021. A pre-application meeting was also held with the DMRE on 6 August 2021. The presentation for the DMRE meeting is identical to the presentation that has been shared with the community.

Issue Raised	By Whom	Response (given by SLR unless stated otherwise)
<p>Are you aware of the impacts of the proposed Waste Rock Dumps (WRDs) to the community? The community is currently suffering from the impacts as a result of the existing WRDs and other mining operations.</p> <p>What measures will be in put in place to manage the dust, noise and air quality impacts experienced by the community.</p>		<p>The specific details regarding the impacts of dust, noise and air quality as well as associated mitigation measures are not available at this beginning stage of the process. SLR will appoint specialists to undertake the noise and air quality studies for the project. Findings from these studies as well as the mitigation measures provided will be included in the Environmental Management Programme (EMPr) which will be submitted to the DMRE. This EMPr will then legally have to be implemented by Tharisa.</p>
<p>Let me refer you to chapter 4 of the Mining Charter in terms of establishment of the WRDs. I would like to request SLR to undertake a health survey for all affected communities as part of the environmental assessment process. As the community is already suffering from the impacts as a result of the existing WRDs and other mining operations</p>		<p>This request will be forwarded to Tharisa for consideration.</p>
<p>What are the benefits of the project for the communities?</p> <p>What are the opportunities for Small, Medium and Micro Enterprises for this project?</p> <p>We are having problems with access to pastoral land for our livestock. The electric fence surrounding the Tharisa mine is electrocuting our livestock every day. In terms of animals rights, will Tharisa provide pastoral land for our livestock?</p>	<p>Tieho Ncheche (Lapologang)</p>	<p>The socio-economic benefits derived from Tharisa and the availability of pastoral land for livestock will be discussed in a separate session held between Tharisa and the community leadership.</p>

Issue Raised	By Whom	Response (given by SLR unless stated otherwise)
<p>Please advise if the area been assessed to determine whether it was safe? What is the distance from the new WRDs to the community? Please advise what is the extent of the buffer in terms of health and safety? What is the buffer that is allowed in terms of the DMRE regulations?</p> <p>SLR should undertake an assessment to identify the environmental issues such as noise from blasting, air quality issues etc. This would inform the discussion with the community leadership. The leadership cannot convince the community to accept the project when people are suffering from the impacts as a result of the existing WRDs and other mining operations. This project will not be supported without answers. The students from communities will be affected by the noise from the proposed project.</p> <p>Please provide the leadership with mitigation measures to address the noise and air quality issues from Tharisa.</p>	<p>Lesiba Mookamedi (Bokamoso)</p>	<p>The dust, noise and air quality impacts as well as associated mitigation measures are not available at this stage of the process. SLR will appoint specialists to undertake the noise and air quality specialist studies for the project. Findings from these studies as well as the mitigation measures will be included into the Environmental Management Programme (EMPr) submitted to the DMRE. This EMPr will be legally required to be implemented by Tharisa.</p> <p>Tharisa has a specific mining right area which allows them to submit an application to establish additional WRDs within the mining right area. There should be an area/buffer between the WRDs and the community. A definitive answer cannot be provided in terms of the buffer distance, but we can provide an answer after this meeting.</p>
<p>The WRDs will result in clearance of additional land. The DMRE, SLR and Tharisa should undertake a joint inspection to assess the health and safety impacts of the project. Please provide documents that show that SLR together with Tharisa, consulted with the DMRE.</p> <p>Please note that the property values within the communities are decreasing due to the environmental issues from Tharisa's mining operations. It is a waste of time for the community leaders to sit with SLR to raise major concerns which SLR is failing to respond to.</p>	<p>Elias</p>	<p>The DMRE is required to undertake site visits for new projects. SLR will try to organise this site inspection.</p>

Issue Raised	By Whom	Response (given by SLR unless stated otherwise)
<p>The Department of health together with the mine needs to conduct a health survey to ensure that communities are not harmed by the proposed project.</p> <p>SLR is advised to consult with the mine prior to holding meetings with the community. The community would like to be relocated to ensure that they do not suffer from the environmental impacts because of the Tharisa mining operations.</p> <p>Please undertake a risk assessment before you schedule community meetings. SLR has stated that the meeting held forms part of the engagement process, however, this could be perceived as approval by community members. It would therefore make sense for the specialist studies to be undertaken first to ensure that communities can be provided with answers.</p>	<p>Tshepo Jonas (Mmaditlhokwa)</p>	<p>These request for a Health Survey has been noted and will be forwarded to Tharisa for consideration.</p> <p>SLR has to hold these meetings with the community leadership to introduce the project and start the Environmental Impact Assessment (EIA) process. Once initial consultations have been undertaken the specialists are sent to site to collect their data for input into the EIA Report. The registers taken at meetings are purely to provide proof that public participation has been undertaken with relevant interested and affected parties as well as to get contact details so that future project communications can be sent. They are not used in any way as approval of the project.</p>
<p>Dust is so visible from the communities? How much dust are communities inhaling on a daily basis? The establishment of the additional WRDs will only worsen the situation.</p>		<p>SLR will appoint specialists to undertake the air quality specialist study for the project. Findings from this study as well as the mitigation measures will be included into the Environmental Management Programme (EMPr) submitted to the DMRE. This EMPr will be implemented by Tharisa.</p> <p>It should also be noted that the new WRDs are a continuation of current operations, therefore, as one existing WRD reaches capacity the new one would be started.</p>
<p>Please go back and do your homework first before you come to the communities to present the project. SLR should also make sure that all relevant stakeholders are included in the consultation process.</p>	<p>Ditshotlo Moleme (Task Team, Mmaditlhokwa)</p>	<p>Part of the purpose of this meeting today is to get an understanding of who all the relevant stakeholders are and to include them in this public participation process as well as to get an understanding of the best way of</p>
<p>SLR should come prepared to meetings, especially given that there was an initial consultation that was undertaken. We expect SLR to have all the answers for this project.</p>	<p>Dipuo Ubisse (Bokamoso)</p>	<p>communication with the communities. As the EIA process is right at the start no studies have yet commenced.</p>

Issue Raised	By Whom	Response (given by SLR unless stated otherwise)
<p>The leadership is upset, we do not understand if SLR is failing to deliver or if it is not prepared enough to answer our questions. If SLR cannot provide answers to us as the leadership, how will it provide answers to the communities?</p> <p>The attendance register will be used by SLR as proof of consultation to the DMRE. SLR is failing us, we have had two meetings and SLR is still failing to provide answers to our questions. Please do your research.</p> <p>The leadership is attending this meeting to give Tharisa approval to establish the WRDs. Please tell the DMRE that the leadership is saying a big “NO” to the project.</p>	Thabo Ncheche (Lapologang)	The registers taken at meetings are purely to provide proof that public participation has been undertaken with relevant interested and affected parties as well as to get contact details so that future project communications can be sent. They are not used in any way as approval of the project.
<p>I wrote my name on the register not to give approval for the project but to say that I was here listening to the lies of the consultants. Something similar was done when mining in the west pit commenced. Tharisa said they would not blast, however, they started to blast eventually. SLR will take the attendance register and attached it to their report, stating that the project can continue. We signed to say we are starting negotiations for Tharisa to establish additional WRDs.</p> <p>For the next meeting, all representatives from Tharisa, DMRE and farmers must attend.</p>	Tieho Ncheche	Attendance at these meetings does not provide any form of approval for the project and the attendance register is to provide proof that consultation has been done as is required under the National Environmental Management Act as part of the EIA process.
Mr Mokotedi as a representative of Tharisa has heard all the concerns raised. The leadership is not happy about the presentation. Please ensure that meeting minutes are submitted to Tharisa to provide them with feedback from this meeting.	Elias	Minutes are being taken and will be distributed to all attendees.
The meeting has direction, it cannot continue as SLR does not have responses. The establishment of the task team is our responsibility as the leadership to allow us to be ready. Let the consultants excuse us for us to establish a task team to deal with challenges faced at the Tharisa mine.	Lesiba Mookamedi (Bokamoso)	
We are still fighting with Tharisa as a result of existing environmental issues, yet they would like to establish additional waste rock dumps?	Thabo Ncheche (Lapologang)	

Issue Raised	By Whom	Response (given by SLR unless stated otherwise)
<p>I can't allow you to conduct public participation in my community as I know the pain of my community. I am fighting with the community as if I agreed for Tharisa to blast.</p> <p>This process will continue without our agreement, as per the environmental authorisation process outlined on page 9 of the presentation. It's painful to allow Johannesburg companies to come and benefit while the community is suffering.</p>	<p>Philip Mntombi (Mmaditlhokwa)</p>	
<p>Can SLR and Tharisa please wait outside while the leadership have a discussion amongst themselves regarding the project.</p>	<p>Philip Mntombi (Mmaditlhokwa)</p>	<p>Noted, SLR and Tharisa stepped out of the meeting venue to allow the community leadership to have an internal discussion.</p> <p>Following the discussion, SLR was asked to leave without any further discussion.</p>

4. THE WAY FORWARD

The purpose of the meeting was to agree on a way forward regarding the public participation process to be undertaken for the project.

The Community Leadership requested answers to all their questions regarding the dust, noise and air quality impacts, unfortunately due to the early stages of the Project this information is not yet available. As such SLR was told that public participation within the communities could not proceed until this information is available. SLR was asked to leave the meeting before a way forward was agreed upon.

5. CLOSE


Attendees were thanked for their input and for making time to attend the meeting.

APPENDIX 1: A COPY OF THE PRESENTATION

THARISA MINERALS (PTY) LTD

ADDITIONAL WASTE ROCK STORAGE AT THE THARISA MINE

COMMUNITY LEADERSHIP MEETING




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AGENDA

- Welcome and opening
- Overview of the current operations
- Overview of the proposed project
- Motivation and alternatives overview
- Environmental authorisation process overview
- Overview of the existing status of the environment
- Potential biophysical, cultural and socio-economic impacts and specialist input (where relevant)
- Proposed Public Participation Process
- Discussion
- Close



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MEETING PROTOCOL

- Please switch cell phones off or place on silent.
- There will be a dedicated question and answer session.
- This meeting will be recorded with your permission.







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WELCOME AND OPENING

Tharisa	SLR
<ul style="list-style-type: none"> • Patrick Sibuyi (Environmental Co-Ordinator) • Pebetse Mabaso (SLP Manager) 	<ul style="list-style-type: none"> • Kate Hamilton (Project Manager) • Reinett Mogotshi (Public Participation Facilitator)




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OVERVIEW OF CURRENT OPERATIONS

- Tharisa is a PGM and chrome producer in the Rustenburg Local Municipality and Bojanala District of the North West Province.
- The mine holds existing Environmental Authorisations and licences.
- Mining commenced in 2008 and takes place within 2 mining sections (East Mine and West Mine), separated by the perennial Sterkboom River and the D1325 (Marikana Road).
- Facilities include open pits, WRDs, haul roads, concentrator plant, product handling and loading, TSF, support facilities and services.



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Map showing mining sections, waste rock dumps, and infrastructure. Includes a legend and scale bar.

6

OVERVIEW OF THE PROPOSED PROJECT


As part of its on-going mine planning Tharisa has identified the need for additional waste rock storage on site. In this regard, Tharisa is proposing to:

- Establish a new Waste Rock Dump (WRD) – referred to as West WRD 2.
- Extend a previously approved WRD – referred to as Far West WRD 2.
- Establish waste rock above backfilled portions of the West and East pits – referred to as Far West WRD 2 and EAO WRD, respectively.

Total application area = approx. 238 ha (most of this will be located on undisturbed areas, while the remaining sections are located within existing disturbed areas).

The design and construction of the proposed WRDs will be similar to the existing WRDs at Tharisa:

- Approx. height of 70m.
- Final slope to allow for rehabilitation.

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MOTIVATION AND ALTERNATIVES

Motivation for the proposed project:

- Additional waste rock storage is required to accommodate ongoing mining operations.
- Already disturbed areas will be used as far as possible to limit additional clearance and disturbance.
- Sections of backfilled pits will be used to develop above ground waste rock facilities.

Project alternatives:

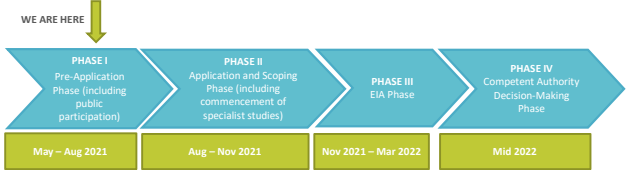
- No location alternatives have been considered – the proposed WRDs fall within Tharisa’s mining right area which is constrained for open space.

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8

ENVIRONMENTAL AUTHORISATION PROCESS

WE ARE HERE ↓



PHASE I Pre-Application Phase (including public participation)	PHASE II Application and Scoping Phase (including commencement of specialist studies)	PHASE III EIA Phase	PHASE IV Competent Authority Decision-Making Phase
May – Aug 2021	Aug – Nov 2021	Nov 2021 – Mar 2022	Mid 2022

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ENVIRONMENTAL AUTHORISATION PROCESS OVERVIEW


- Competent Authority:
 - North West DMRE.
- Commenting Authorities:
 - Department of Economic Development, Environment, Conservation and Tourism.
 - Department of Rural Environment and Agricultural Development.
 - Department of Rural Development and Land Reform including the Land Claims Commissioner.
 - Department of Forestry, Fisheries and Environment.
 - Department of Water and Sanitation.
 - North West Parks and Tourism Board.
 - Bojanala District Municipality.
 - Rustenburg Local Municipality.

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EXISTING STATUS OF THE ENVIRONMENT


Geology	<ul style="list-style-type: none"> • Bushveld Igneous Complex of the Rustenburg Layered Suite • Platinum and chrome ore body
Climate	<ul style="list-style-type: none"> • Highveld Climate Zone – mild temperatures, rain in spring and summer, high intensity thunderstorms, strong winds
Topography	<ul style="list-style-type: none"> • Magaliesberg Mountain Range (to the south) • Relatively flat (on site) • Drained by Sterkstroom (perennial)
Soils and Land Capability	<ul style="list-style-type: none"> • High clay content, not prone to erosion • Low dryland production potential • Moderate irrigation potential

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EXISTING STATUS OF THE ENVIRONMENT

Biodiversity	<ul style="list-style-type: none"> • Savanna Biome, Central Bushveld • Marikana Thornveld, Gold Reef Mountain Bushveld • Within Magaliesberg Biosphere • Protected species (Morula Tree), limited natural wildlife
Surface Water	<ul style="list-style-type: none"> • Crocodile West and Marico Water Management Area (A21K) • Sterkstroom River (perennial) • Smaller non-perennial tributaries • “No importance” NFEPA wetlands
Groundwater	<ul style="list-style-type: none"> • Minor aquifer region • Used for domestic and agricultural purposes
Air Quality	<ul style="list-style-type: none"> • Influenced by mining, industrial and agricultural activities

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EXISTING STATUS OF THE ENVIRONMENT

- Noise**
 - Receptors: residential and agricultural uses, President van Rensburg/Piet Retief school, natural areas
 - Influenced by mining activities, localised traffic and general community activities
- Heritage/cultural**
 - Stone Age and rock engraving sites (within the Magaliesberg)
 - Gravesites
- Paleontology**
 - None expected due to geology
- Visual**
 - Relatively flat plain with gentle slopes
 - Magaliesberg Mountain Range - main topographical feature
 - Transformed by mining operations and agricultural activities

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EXISTING STATUS OF THE ENVIRONMENT

- Socio-Economic**
 - North-West is 4th largest GDP contributor
 - Mining, agriculture and manufacturing as biggest contributors within the province
 - High unemployment rate within the province
 - Limited tertiary and secondary education
- Land Use**
 - Mining (Western Platinum, Marikana Platinum, Salene Mining, Samancor and Sogima Mining)
 - Agriculture (subsistence and commercial)
 - Residential (Mmaditlhokwa, Lapologang, Buffelspoort and Elandsdrift)

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HIGH LEVEL IDENTIFICATION OF POTENTIAL IMPACTS (UNMITIGATED)

Topic	Potential impacts identified at this stage
Geology	Sterilisation of resources.
Soils, land capability and agriculture	Physical disturbance and contamination of soil resources, loss of agricultural land.
Biodiversity	Physical loss and general disturbance of habitats and species.
Surface Water	Contamination and alteration of drainage patterns.
Groundwater	Contamination of resources.
Heritage/cultural and palaeontological	Loss or damage to resources.
Air and noise	Increase in emissions and ambient levels.
Visual	Contribution to alteration of visual landscape.
Socio-economic	Continued operation of the mine.

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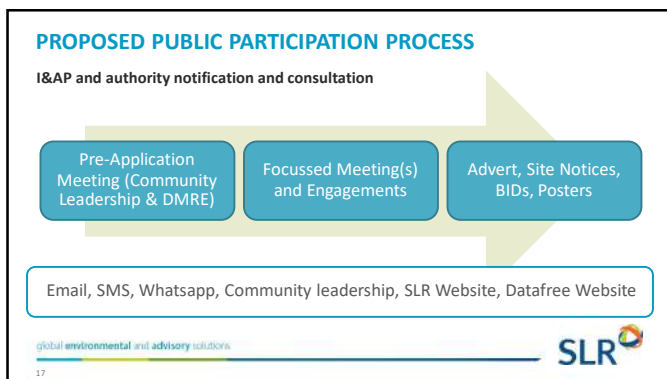
15

SPECIALIST STUDIES

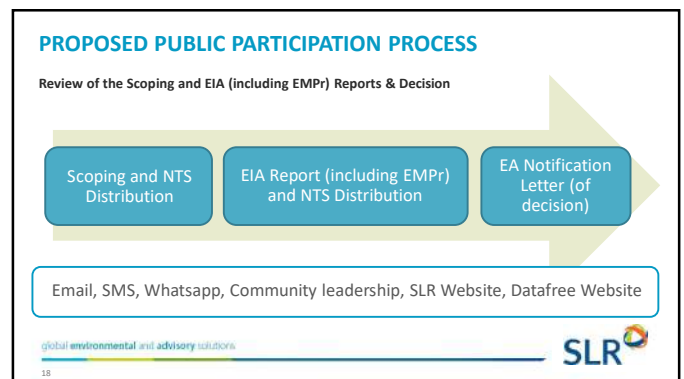
Aspect	Specialist Inputs (Where applicable)
Geology	Qualitatively assessed by EAP using available information
Soils, land capability and agriculture	Soils, land capability and agricultural study (informed by field work)
Biodiversity	Terrestrial and aquatic biodiversity study (informed by field work)
Surface water	Qualitatively assessed by EAP using available information
Groundwater	Groundwater study
Heritage/cultural resources	Heritage study (informed by field work) Palaeontology study (desktop)
Air	Air quality study
Noise	Noise study
Visual	Visual study (informed by field work)
Socio-economic	Qualitatively assessed by EAP
Closure	Update of financial provision and closure plan

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APPENDIX 2: ATTENDANCE REGISTER

Name	Interest / Village
Kanyisa Mahashe	Task Team (Mmaditlhokwa)
Ditshotlo Moleme	Task Team (Mmaditlhokwa)
Elizabeth Klaaste	Task Team (Mmaditlhokwa)
Tshepiso Digasu	Task Team (Mmaditlhokwa)
Tsietsi	Lapologang Leader
Thabo Ncheche	Lapologang Chairperson
Phillip Mntombi	Ward 32 Councillor
Amos Gwebu	Lapologang Leader
Tieho Cheche	Lapologang
Jonas Tlou	
Ellen Dikgang	Mooinooi, Ward 27 Councillor
Dipuo Ubisse	Mooinooi
Collin Tebogo Dikhudu	Lapologang
Lesiba Mookamedi	Bokamoso Ward 27
Tshepo Jonas	
Rosina Mogale	
Beauty Mothudi	
Gert K Morweng	
Gordon Mokotedi	Tharisa- SLP
Pebetse Mabaso	Tharisa- SLP
Kate Hamilton	SLR- Project Manager
Reinett Mogotshi	SLR- Public Participation Facilitator

Project: Thabisa Waste Rec Storage EIA
 SLR Company: SLR CONSULTING (SOUTH AFRICA)
 Date: 16 August 2021
 Meeting: Leadership Meetings

Name and Surname	Interest in Project	Postal Address	Contact Numbers	E-mail
Reinet Masetani			011 467 0945	Rmasetani@slrconsulting.co.za
Kate Hamilton	EAP: SLR CONSULTING		011 467 0945	khmitton@slrconsulting.co.za
Khanyisa Mahlashe	TASK TEAM (MANTOMBI)		0648391485	
Ditshotho Molekwa	TPST Team - Mantombi		0790522610	
ELIZABETH MADATE	TASK TEAM MANTOMBI		0128243405	emadate21@gmail.com
Tshepiso Dicoasa	Task Team Mantombi		0780044067	
Dikgang Madikela	Supervisory leader		0719021805	madikela.dikgang@gmail.com
Tibetsi Muthwana	Supervisory Secretary		0615561696	tsiemmo@gmail.com
Thabo Mchabe	Supervisory Chief		0828473285	thabomchabe2@gmail.com
Phillip Mntombi	WARD CHIEF		0726786221	mntombi.phillip@gmail.com
Amos Gwebu	Supervisory leader		0665069841	amkgwebu401@gmail.com
Reetse Mabaso	TWISA		0760865153	rm1698@twisa.com
GORDON MOKOTEDI	TWISA		0633717754	gmokotedi@twisa.com

Project:

SLR Company:

Date:

Meeting:

Name and Surname	Interest in Project	Postal Address	Contact Numbers	E-mail
Tieho Mcheche	Yes	Mari'ana (P.O. Box 605 70284	0726353720	fibsiogunika
Jonas TLOU	YES	P.O. Box 5275 Rustenburg 0300	0722782349	jonasmodise07@gmail.com
Elken Dikana	Yes	P.O. Box 2000 Worcester 0325	0711449021	ellendikgang23@gmail.com
Dipo Uaise	Yes	7 Trade Martini 0305	0122425359	Unemployment214@gmail.com
TEBogo - Dikhu	YES	Box 98 MARUKWA 0284	065585326	ACCOUNTTEBOGO@gmail.com DIPOLONGA B FORUM
Sobnon Mokoten	Yes	THABISA	0633717754	g.mokotedi@thabisa.com
Lexba Motameli	YES	Gate 8 Mooimooi Box 98	0713974710	lesibamotamele99@gmail.com
Kuapo Jonas	Yes	MARUKWA 0284	0708782095	kupajao@gmail.com
Rositiam Mabile	Yes	Box 86 MARUKWA 0284	0731849164	rosinah@gmail.com
BEAUTY MOTHUDI	YES	MARUKWA MATHALIBALE MARUKWA 0284	0649693335	thuthudi@yahoo.com
CERT K MORWENG	mmeditshelakwa Task Team		0710449201	CertMorweng@gmail.com

THARISA MINERALS (PTY) LTD

MINUTES OF MEETING WITH THE COMMUNITY LEADERSHIP

DATE	14 October 2021
VENUE:	Legai Roi Game Lodge
PROJECT:	Tharisa Waste Rock Storage & Amendment Project
SLR COMPANY:	SLR Consulting (South Africa) Pty Ltd
PROJECT NUMBER:	720.20002.00065
PURPOSE:	The purpose of the meeting was to agree a way forward with regards to the public participation process in the different communities.
ATTENDANCE:	An attendance register is included in Appendix 2.

1. INTRODUCTION

Tharisa Minerals (Pty) Ltd (Tharisa) is an opencast mining operation that produces chrome and platinum group metal (PGMs) concentrates. The mine has been operational since 2008. The opencast mine is located on farms 342 JQ and Elandsdrift 467 JQ, south of the Marikana Town, in the North West Province.

The meeting with the community leadership representatives was scheduled for 12:00 on Monday 19 August 2021 for SLR to present the public participation process of the project to the community leadership representatives and to agree on the way forward for the public participation process. The meeting was attended by representatives from each of the communities; Bokamoso, Lapologang and Mmaditlhokwa. See Appendix 2 for Attendance Register.

Pebetse Mabaso (PM) (SLP Manager - Tharisa), welcomed the leadership and SLR to the meeting. She explained that the purpose of the meeting with SLR was to agree on a way forward regarding how public participation for the project should be undertaken. In addition, Ms Mabaso explained the public participation process of the EIA and what SLR's role was. Ms Mabaso explained the current operations at the Tharisa and the background of the project. PM then handed the meeting over to Reinett Mogotshi (RM) from SLR.

2. OVERVIEW AND PRESENTATION

RM provided an overview of the public participation process. The presentation is included on Appendix 1. Hard copies of the meeting presentation were handed out to attendees at the meeting.

3. DISCUSSION AND THE WAY FORWARD

The following was agreed in terms of public participation:

- site notices will be placed by the schools, entrances of churches, tuckshops etc;
- loud hailing and placement of site notices will be done by a local supplier within each community;

- each community will provide details of three representatives to submit quotations for loud hailing and placement of site notices; and
- Contact persons for each community are as follows:
 - Bokamoso – Dipuo Ubisse
 - Lapologang – Matlhogonolo Koikoi (to be confirmed with the ward councillor)
 - Mmaditlhokwa–Tsepho Jonas

4. CLOSE

Attendees were thanked for their input and for making time to attend the meeting.

Tharisa Waste Rock Storage and Amendment Project

Proposed Public Participation Plan for Task Team

October 2021

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1

AGENDA

- Welcome and opening
- Overview of the current operations
- Overview of the proposed project
- Proposed Public Participation Process
- Discussion
- Close

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2

OVERVIEW OF CURRENT OPERATIONS

- Tharisa is a PGM and chrome producer in the Rustenburg Local Municipality and Bojanala District of the North West Province.
- The mine holds existing Environmental Authorisations and licences.
- Mining commenced in 2008 and takes place within 2 mining sections (East Mine and West Mine), separated by the perennial Sterkstroom River and the D1325 (Marikana Road).
- Facilities include open pits, WRDs, haul roads, concentrator plant, product handling and loading, TSF, support facilities and services.

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OVERVIEW OF THE PROPOSED PROJECT

As part of its on-going mine planning Tharisa has identified the need for additional waste rock storage on site. In this regard, Tharisa is proposing to:

- Establish a new Waste Rock Dump (WRD) – referred to as West WRD 2 (~74 ha).
- Extend a previously approved WRD – referred to as Far West WRD 2 (~74 ha).
- Establish waste rock above backfilled portions of the West and East pits – referred to as Far West WRD 2 and EAO WRD (~89 ha), respectively.

Total application area = approx. 238 ha (approx. 150 ha will be located on undisturbed areas, while the remaining 88 ha is located within existing disturbed areas).

In addition, a new TSF is proposed with a footprint of approximately 128 ha.

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4



5

PROPOSED PUBLIC PARTICIPATION PROCESS

- Public Participation for the Project will be divided into three phases:
 - **Phase 1 (Initial Phase):** Consultation with task team to introduce the project and confirm the approach to public participation.
 - **Phase 2 (Scoping Phase):** Introduce the Project to the communities and capture any initial issues for consideration in the environmental impact assessment.
 - **Phase 3 (EIA Phase):** Communicate the findings of the environmental impact assessment and provide feedback on questions that were raised by the communities.


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PROPOSED PUBLIC PARTICIPATION: PHASE 1

- Introductory meeting with the task team to:
 - Provide a background to the Project.
 - Confirm approach to the proposed public participation plan.

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PROPOSED PUBLIC PARTICIPATION: PHASE 2

- Introductory meetings to provide a background to the Project. The proposed approach includes:
 - Over 2 days
 - Information booth during the allocated timeslot for each community
 - Loud hailing
 - Distribution of flyers and placement of posters (in English and Setswana).


One company/representative to be appointed from each community to assist with loud hailing and distribution of public participation materials

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PROPOSED PUBLIC PARTICIPATION: PHASE 3


- Feedback meetings to present findings from the EIA:
 - Over 2 days
 - Lapologang: Day 1 (08:00-11:00)
 - Mmadithlokwa: Day 1 (14:00- 17:00)
 - Bokamoso: Day 2 (08:00-11:00)
 - Information booth during the allocated timeslot for each community
 - Loud hailing
 - Distribution of flyers and posters (in English and Setswana).

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SUGGESTION: LOCATIONS FOR PLACEMENT OF SITE NOTICES

Mmadithlokwa	Lapologang	Bokamoso
Mmadithlokwa Community Centre	Lapologang Village Entrance	Bokamoso Community Hall
Supermarkets	Supermarkets	Supermarkets

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DISCUSSION

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11

THANK YOU

Reinett Mogotshi
SLR Consulting (Africa) (Pty) Ltd
rmogotshi@slrconsulting.com
www.slrconsulting.com

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APPENDIX 2: ATTENDANCE REGISTER

Name	Interest / Village
Matlhoyonolo Koikoi	Lapologang
Ellen Dikgang	Mooinooi, Ward 27 Councillor
Dipuo Ubisse	Mooinooi
Tshepo Jonas	
Gordon Mokotedi	Tharisa- SLP
Pebetse Mabaso	Tharisa- SLP
Reinett Mogotshi	SLR- Public Participation Facilitator
Milisa Rala	SLR – Project Assistant

THARISA MINERALS (PTY) LTD

ADDITIONAL WASTE STORAGE AT THE THARISA MINE

MINUTES OF LAPOLOGANG COMMUNITY MEETING

DATE	8 December 2021 - 10:00
VENUE:	Lapologang Grounds
PROJECT:	Additional Waste Storage at the Tharisa Mine
SLR COMPANY:	SLR Consulting (South Africa) (Pty) Ltd (SLR)
PROJECT NUMBER:	720.20002.00065
PURPOSE:	<p>The purpose of the meeting was to:</p> <ul style="list-style-type: none"> • provide an overview of the proposed project; • provide an overview of the environmental assessment process; that is relevant to the proposed project; • provide an overview of the public participation process; • provide an overview of the specialist input identified for the proposed project; and • capture any initial comments and issues for consideration in the assessment process
ATTENDANCE:	An attendance register is presented in Appendix 2.

1. OPEN AND INTRODUCTION

The meeting was opened by Gordon Mokotedi (GM) from the Tharisa (Pty) Ltd (Tharisa) Social and Labour Plan (SLP) team who also provided an overview of the purpose of the meeting. Following the initial opening of the meeting by GM, Aluwani Kangala (AK) who is part of the Environmental team at Tharisa introduced herself. Thereafter, Reinett Mogotshi (RM) introduced herself and Milisa Rala (MR) from SLR as independent Environmental Assessment Practitioners (EAPs) that have been appointed by Tharisa to undertake the environmental authorisation process for the proposed project.

2. PRESENTATION

RM gave a presentation providing an overview of the proposed project and provided information pertaining to the following project components:

- the establishment of a new Waste Rock Dump (WRD);
- the extension of a previously approved WRD;
- the deposition of waste rock above backfilled portions of the West and East pits; and
- the establishment of a new Tailings Storage Facility (TSF).

RM also outlined the environmental authorisation requirements, the environmental authorisation process, the existing status of the environment, the specialist studies to be undertaken and the public participation process for the proposed project.

During the meeting, RM emphasised that the community meeting formed part of the initial public participation process for the proposed project. It follows that various specialist investigations are still underway and as such, it would not be possible to provide answers to all questions and queries raised during the meeting. It was however emphasised, that towards the end of the environmental authorisation process, once all the specialist work has been completed, SLR and Tharisa will return to the communities to provide feedback to all queries raised.

A copy of the presentation is included in Appendix 3.

3. DISCUSSION

A number of issues were raised during the meeting. These have been recorded in the table attached as Appendix 1. Where a response was provided the response has been included in the table.

4. THE WAY FORWARD

RM outlined the way forward as follows:

- Specialist work will be initiated.
- SLR will compile a Scoping Report and Environmental Impact Assessment and Environmental Management Programme report (EIA and EMPr) for the proposed project. These reports will be made available to Interested and Affected Parties (I&APs) for review and comment for a period of 30-days.
- A Non-Technical Summary of the Scoping Report and EIA and EMPr's will also be prepared by SLR and will also be distributed to I&APs during the review and comment periods.
- I&APs will be informed of the public review periods via email and SMS notifications.
- I&APs will be able to submit their comments on the reports to SLR in writing via fax, e-mail, SMS or via post.
- The comments made by I&APs will be documented and responded to in the updated reports.
- The updated Reports will be submitted to the Department of Mineral Resources and Energy (DMRE) for decision making.

5. CLOSE

The attendees were thanked, and meeting was closed by GM.

COVID Health and Safety Note:

The attendees were provided with face masks and all person's hands were sanitised upon entering the venue. The meeting was held outdoors therefore there was good ventilation.

APPENDIX 1: RECORD OF ISSUES RAISED AND RESPONSES GIVEN

* Some of the community members wished to remain anonymous or not disclose their full names.

Issue Raised	By Whom	Response
Tharisa has not been coming to our community in a long time, why have they come now?	Gideon Banda	SLR has been appointed by Tharisa to do the undertake the environmental assessment process for the waste storage project. We are still at the pre-application phase of the project. This entails initial meetings with communities. A feedback session will be held to provide feedback on questions raised (RM from SLR).
Where do you come from? Do you want to deposit waste rock here where we are?	Gideon Banda	<p>SLR is based in Johannesburg. We are appointed by Tharisa to undertake the environmental assessment process for the proposed project. The purpose of these meetings is to introduce the project to the community and to also listen to your concerns and record your concerns for consideration as part of the process.</p> <p>Tharisa is proposing to establish:</p> <ul style="list-style-type: none"> • the Far West WRD 2, which will be established above the backfilled portion of the west pit (which will encroach on community activities in Mmadithlokwa); • West WRD 2, which will encroach on community activities in Lapologang; • the East Pit WRD which will be established above the backfilled portion of the east pit; and • a new TSF will be established south of the mine, adjacent to the West WRD2 (RM from SLR).
How will we benefit as a community if this proposed project goes ahead? Please provide the project benefits in writing.	Thabiso*	Noted, your comment will be forwarded to the Tharisa SLR team for consideration (RM from SLR).
Where will be relocated since the rocks/waste are going to be dumped here? We are already suffering from diseases such as asthma and TB from the current WRDs that are surrounding us.	Nonti*	Noted, the purpose of these meetings is to provide a platform for communities to raise their concerns about the project. These concerns will be provided to Tharisa for consideration and addressed in the environmental impact assessment report which will be informed by specialist studies. A feedback session will be held to provide feedback on issues raised (RM from SLR).

Issue Raised	By Whom	Response
		We understand that the resettlement is a big issue within the community, however, resettlement falls outside the scope of this environmental process. Your concerns have been noted and will be provided to the Tharisa's SLP team for consideration (RM from SLR).
We would like to know what Tharisa has to say about the school and our children in the school?	Matlala*	This concern has been noted and will be provided to the Tharisa's SLP team for consideration. A feedback session will be held to provide feedback on questions raised (RM from SLR).
What will happen to the people when they are resettled? Where will they be taken to?	Dipuo*	Resettlement falls outside the scope of this environmental process. This question has been noted and will be provided to the Tharisa's SLP team for consideration (RM from SLR).
What about the relocation issues? Relocation has been pending for a long time and Tharisa wants to go on with another WRD. My suggestion is that Tharisa relocates us and then they continue to do what they want to do	Michael*	
This environmental process must run concurrently with the relocation process. Is the relocation still happening? Are we still going or not? We are surrounded by dumps, and we cannot be living like this, we need a solution.	All community members	
<p>Tharisa must not hide anything from us so that we can have a clear idea of a way forward. Another thing is that we need to know if Tharisa has agreed to go ahead/is going ahead with the proposed project or not, so that we do not waste our time in these meetings and put forward our views on the proposed project when Tharisa will not respond to our views. We need to know if Tharisa will take into consideration the communities' issues on the ashes/dust. This way we know how to reach a fair consensus with Tharisa.</p> <p>Do not lie to us or hide things from us. We need to know that at the end of the day, Tharisa is going to do what they want to do. That way we can have one voice as a community.</p>	George*	SLR is the independent EAP appointed by Tharisa to undertake the environmental assessment process for the proposed project. All comments raised during the meeting are noted and will be collated and submitted to the DMRE for decision making together with the environmental impact assessment report. The ultimate decision to approve the proposed project is made by the DMRE and is based on the public participation record and the findings of the environmental impact assessment (RM from SLR).
From the research I have done, a mine has never been stopped from placing a WRD. There has only been one mine that has been stopped and that was in 1998 in Welkom, Free State.	George*	SLR is not able to comment on the decisions made by the DMRE in terms of approval of WRD projects in South Africa (RM from SLR).

Issue Raised	By Whom	Response
<p>Therefore, we need an honest response from Tharisa on whether they will go ahead with the WRD or not.</p> <p>That way we know how to approach Tharisa.</p>		<p>Sometimes a WRD project can be declined by the DMRE due to certain environmental or socio-economic issues. With further consultation amongst the affected parties, the project design can be revised and improved. This will result in the project receiving approval from the DMRE (AK from Tharisa).</p>
<p>We do not sleep at night because of the noise from the blasting and the vehicles. The dust is also unbearable.</p>	Thabo Maluleka	<p>Noted, the purpose of these meetings is to provide a platform for communities to raise their concerns. These concerns will be provided to Tharisa for consideration and addressed in the environmental impact assessment report which will be informed by specialist studies. A feedback session will be held to provide feedback on issues raised (RM from SLR).</p>
<p>Blasting and the explosives is causing cracks on our windows, even the plates and it scares the children. The fumes from the dust is also affecting our health. The network signal is also bad because of the blasting.</p>	Nonti* and other community members	
<p>How far does the blasting travel in metres so we know how many metres we should be relocated to?</p>	Given*	

APPENDIX 2: ATTENDANCE REGISTER

(Refer to signed attendance registers)

APPENDIX 3: PRESENTATION

Project: Thalisa WRD EIA
 SLR Company: South Africa
 Date: 8 December 2021
 Venue: Lapologang Grounds
 Meeting: Community Meetings



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Given Mabunda	Lapologang	E151	0823641401	
JAMES MALEPE	"	L49	078 5964907	Jamesmalepe65@gmail.com
Plaatjies Masisi	"	K07	060 9391562	N/A
Seamus Phabang	Lapologang	E24	0794395695	N/A
EVANS MKHONTO	"	E108	0721263635	
Siyabonga Mkhonto	"	E98	0712606140	N/A
GIDEON BANDA	Lapologang	E222	060 3495191	GideonBanda@gmail.com
Chagang Conwix	Lapologang	E201	0735592591	

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

WED

Project: Tharisa¹ EIA

SLR Company: South Africa

Date: 8 December 2021

Venue: Lapologang Grounds

Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Lindiwe Modise	Lapologang V	E201	—	—
Matlala Mmatiro	Lapologang V	E 76	—	—
Salang Annah	Lapologang V	E 20	—	—
Tebogo Mabuthwana	Lapologang V	E 61	—	—
Quite Mocoosi	Lapologang V	E 47	0784386566 —	—
Silvestre Mochuel	Lapologang	E 4x	0822614857	—
Putsane leboa	Lapologang	E 96	0733499388	—
S. Bando	Lapologang	E 55	071565 7524	—

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Tharisa WRD EIA

SLR Company: South Africa

Date: 8 December 2021

Venue: Lapologang Grounds

Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Retshiditswe Sembeke	Lapologang	K 83	—	—
MPHO MASISI	LAPOLOGANGS	E 41	071 57 86487	
Victor Ntsoa	LAPOLOGANG	T 150	079 1274755	
ELVIS MAMBE	Lapologang	T 180	071 4457766	
Constance Moding	Lapologang	T 185	073 1479601	
Puledi Ramano	Lapologang	T 111	0609514006	
Esther Mas ^{anya} hang	Lapologang	E 12	0718240912 085081	—
MANEBAKE P ^{ALINA}	LAPOLOGANG	E 63	—	—

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Tharisa WRO EIA

SLR Company: South Africa

Date: 8 December 2021

Venue: Lapologang Grounds

Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Lapologang Tlomo	Lapologang	E195	083366180	-

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Thunisa WRD EIA
 SLR Company: South Africa
 Date: 8 December 2021
 Venue: Lapologang Grounds
 Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
DANIEL MASEHA	Lapologang	Lapologang T 206	0730159848	
ABRAM Sibandela	Lapologang	T 168	066 8292860	
Mpho Mose	Lapologang	T 189	060 708 7213	
TEM MOLETSAE	LAPOLOGANG	C-89	0789716945	
Hoah Mabitla	Lapologang	E137	0713110445	
Steven	Lapologang Modisane	T. 144	0722 997110 0732	
Tshopang	Modisane	H. L. 15	0791060426	
Joel Mangena	Lapologang	E44	0646444359	

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Project: Thamisa WED EIA
 SLR Company: South Africa
 Date: 8 December 2021
 Venue: Lapologang Grounds
 Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
<u>AIKSONG THOMAS</u>	<u>Lapologang</u>	<u>T111</u>	<u>082400989</u>	
<u>Kefalotse Tshane</u>	<u>Lapologang</u>	<u>T149</u>	<u>071 7034766</u>	
<u>REBONE KHUNOU</u>	<u>Lapologang</u>	<u>E8</u>	<u>0632061448</u>	<u>Rebonekhunday15@gmail.com</u>
<u>Ngelengie Nobumba</u>	<u>Lapologang</u>	<u>T119</u>	<u>0823681861</u>	
<u>Monkululeko</u>	<u>Lapologang</u>	<u>C24</u>		
<u>Mzwakhe Soko</u>	<u>Lapologang</u>	<u>T108</u>	<u>072 075 5038</u>	<u>mzwakhesoko03@gmail.com</u>
<u>Mpho Kgatla</u>	<u>Lapologang</u>	<u>E110</u>	<u>083 903 4544</u>	
<u>Solly Mdhluli</u>	<u>Lapologang</u>		<u>0723697500</u>	<u>sollymdhluli216@gmail.com</u>

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Tharisa WRD EIA
 SLR Company: South Africa
 Date: 8 December 2021
 Venue: Lapologang Grounds
 Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Rosinah Maimane	Lapologang	E94	072 199 0024	
Samuel Masibo	Lapologang	E156	084 082 3833	
Khumalo Dinal	Lapologang	T75	072 291 2960	
Mpho Mochuati	Lapologang	T171	083 682 570	
Linah Phahamohlaka	Lapologang	T139	072 897 1769	
Victor Ntsoagae		T150	079 129 7035	
ELVIS MAINE	Lapologang	T180	071 445 7166	
LEMA	MAPONTJANE	E-16	072 18 55 960	

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Project: Thanisa WRD EIA

SLR Company: South Africa

Date: 8 December 2021

Venue: Lapologang Grounds

Meeting: Community Meetings



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
SEAKATSI EBUNYI	LAPOLOGANG	7100	0769049509	—
Phumzile Makufela	Lapologang	E199	076556788	—
Bazedie Ndlovu	Lapologang	E54	—	—
PINKY MATILI	LAPOLOGANG	E151	082339901	matilinkhaki@484
Georgina Ishayo	Lapologang	110	0664478180	
Ebalo Mahumane	Lapologang			
Pantie Morake	LAPOLOGANG	T71	078959444	
Willie Shirwambane	Lapologang	E59	0713855811	N/A

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Tharisa WRD EIA

SLR Company: South Africa

Date: 8 December 2021

Venue: Lapologang Grounds.

Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Grace Welsh	Lapologang	T199	072 3162992	
Isaac Masisi	Lapologang	T98	079 3468728	
MARIA Mponena	Lapologang	T141	079 2821217	
DIKELEDI Mpani	Lapologang	T199	0648080969	
Linda Mulaude	Lapologang	T94	0730907422	
Susley Metape	Lapologang	L32	073799602	
Thandazwa Kolanji	Lapologang	L35	0826954971 073	
Ephraim Makwana	Lapologang	443	0763955952	

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Project: Thansa WRD EIA
 SLR Company: South Africa
 Date: 8 December 2021
 Venue: Lapologang Grounds
 Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
DAVIS SEREMA	Lapologang	E 42	0612797301	
Siphokazi Mathole	Lapologang	E 83	0640420654	
Happy Molede	Lapologang	E 234	0685160533	
Ouma Sibum	Lapologang	E 111	0631652588	
BERTHA MAKENA	LAPOLOGANG	E 113	0603664249	
Nthabiseng Mabi	Lapologang	T 212	0718158431	nthabisengmabi544@gmail.com
Poletsang Mase	Lapologang	K 47	0724886366	
THAPELO DUMA	LAPOLOGANG	K 16	06 50042065	

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Tharisa WRD EIA

SLR Company: South Africa

Date: 8 December 2021

Venue: Lapologang Grounds

Meeting: Stakeholder Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Nadia Kock	Community	T127 Lapologang	0781731738	Nadia Kock@gmail
ISaak Makak	Community		071 956 3133	Kagiso
Bachipite Phosi	Community	T177 Lapologang	073617653	P. Phosi
ISaak Sitemere	Community	T147	073 7915630	Muse
Keketso Siphungana	Community	E180 Lapologang	0738084156	S. Siphungana
Lerato Rantisi	Community	T6 Lapologang	071 3039683	Muse
Tsuepang Modisane	Community	L15	0791060426	S. Modisane
Seriti Modisane	Community	C144	0631876999	S. Modisane

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Tharisa WRD EIA
 SLR Company: South Africa
 Date: 8 December 2021
 Venue: Lapologang Grounds
 Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Shepherd Mampuru	Community champion	B 24	0663565288	Shepherdmampuru@gmail.com
M.V. Mogomosi	Community	524	0825873993	N/A
I. Mogomosi	Community	69	0796308285	N/A
Lazarus Sithole	-11	509	0833438539	NA
BIPSON MASINDI	11	135	0728391226	NA

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

NRD

Project: Tharisa 1 EIA
 SLR Company: South Africa
 Date: 8 December 2021
 Venue: Lapologang Grounds
 Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Johannes Matlas		L22 Lapone	064983308	
cdine Dikhudu		T63 LAPOLONG	0655845326	
Mabaeti Ndelece		E1 Lapologang	0796056704	
BEN MOISHEPE		L72 LAPOLONG	0794154449	
Darius Masilo		K59 Lapologang	0792453720	
Magret Nyadi		T79 Lapologang	064842 9030	
Beauty Mokisi		T68 Lapologang	071 4399016	
S. MACHAN		K126 L. Bohang	0638755393	

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Tharisa WRD EIA
 SLR Company: South Africa
 Date: 8 December 2021
 Venue: Lapologang Grounds
 Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Mathuso Maote	Community	E 131	0736898027	Maote
Makhogohelo Shezana	Community	T193	0790404295	Tihogi.com
Malveen Bimbira	Community	T174	0844490652	Rejmy
SURAI Mditlabaqwa	Community	T108	0763276863	Ju
Sibusiso Kongo	Community	E121	0836935270	
TSHVMAEK Moalafi	Community	T102	0791030706	
Kerema Lesego	Community	T152	0725285443	
Thomas Mayana	Community	T134	0621206160	T.mayana

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

WRD

Project: Tharisa¹ EIA

SLR Company: South Africa

Date: 8 December 2021

Venue: Lapologang Grounds

Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Caroline Thabane	Lapologang	E46		
Nthabiseng Morwe	Lapologang	L61	0195736361	n.morwe89@gmail.com
TEBogo Sejamotso	Lapologang	E89	0731133679	seja22@gmail.com
Noxolo Stoffel	Lapologang	E10	066526 2975	njabuloyami21@gmail.com
Matseeng Mapo	Lapologang	E44	078 434 7250	
Dynamic Maclean	Lapologang	T173	07266406296	
FRANS MACLULP				

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Thaurisa WRD EIA
 SLR Company: South Africa
 Date: 8 December 2021
 Venue: Lapologang Grounds
 Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Martin Masuku	Lapologang	C 38	083 850 2145	Tshiamomartin77@gmail.com
Given Siko	Lapologang	L 29	0722570053	Sikogiven@gmail.com
Momonaheng Nkoobe	Lapologang	E 80	07 89161382	Nkoobe.Momonaheng@gmail.com
Jane Senwa	Lapologang	E 53	0660126998	
Matauti	Motsaati	E 46		
KB Maifo	"	E 42	-	-
A Mochup	Lapologang	T 116	0736691777	
MARTIN LUTHULI	Lapologang	K 109	0739146467	VELIMARTIN.CO.Z@gmail.com

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Tharisa WRD EIA
 SLR Company: South Africa
 Date: 8 December 2021
 Venue: Lapologang Grounds
 Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
John Kalamore	Lapologang	E191	0711144191	Kalamore John 4@gmail.com
Isbeth Kalamore	Lapologang	E191	011 641 5503	
Phu Mthobane	Lapologang	E68	0637929941	
Andrew Mthobane	Lapologang	E12	0660196725	
Noma Mithani	Lapologang		0661587695	Dhaw
Zidane Ramogopa	Lapologang	45	0720781416	
Daniel Ubbise	Lapologang	E244	0615142514	
Dined Mahlope	Lapologang	L55	081 8036700	L. Man.

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Project: Tharisa WRD EIA
 SLR Company: South Africa
 Date: 8 December 2021
 Venue: Lapologang Grounds
 Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Vusi HLATSWAYO	LAPOLOGANG	T8	0836901178	
Tsiki Ndlovu	Lapologang	L92	0715357145	
Lucia Mankice	Lapologang	L8	0836241062	
Mmantwa Mngomezulu	Lapologang	E41	0762643683	
Helen Betilo	Lapologang	E43	0613313729	
Saran Makhona	Lapologang	L13	061331729	
Tebogo Mahuma	Lapologang	ES	0782134928	
Nonki Mkhutsheng	LAPOLOGANG	E79	0797999376	

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project. E+

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0797844856

Project: Tharisa WRD EIA

SLR Company: South Africa

Date: 8 December 2021

Venue: Lapologang Grounds

Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Ellen Molapo	Lapologang village	ES	0128172149	-
Rebecca Seebats	Lapologang Village	EL40		
Shukhemi Molate	Lapologang Village	T 212	0730113650	
PATRICK NIBOMO	Lapologang Vg	T 5		
Motsumi Prince	Lapologang Village	T 5	0647460751	-
Seodiva Ishopo	Lapologang	110	066 447 8180	1. Seodiva Ishopo@Com.
Moyo Lesego	Lapologang Village	T 5	072 389 1072	Lesego moyo 99@gmail.com.
Tebogo Matlala	Lapologang	C 24	074 238 4489	

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Tharisa WRD EIA
 SLR Company: South Africa
 Date: 8 December 2021
 Venue: Lapologang Grounds
 Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Dianah Capha	Community		072 271 0675	dianah.capha02@gmail.com
Ellen Monamebsi	Community		078 390 8322	Ellen.Monamebsi@mail.com

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

THARISA MINERALS (PTY) LTD

ADDITIONAL WASTE STORAGE AT THE THARISA MINE

MINUTE NOTES OF THE BOKAMOSO COMMUNITY MEETING

DATE	14 December 2021 - 10:00
VENUE:	Bokamoso Community Hall
PROJECT:	Additional Waste Storage at the Tharisa Mine
SLR COMPANY:	SLR Consulting (South Africa) (Pty) Ltd (SLR)
PROJECT NUMBER:	720.20002.00065
PURPOSE:	<p>The purpose of the meeting was to:</p> <ul style="list-style-type: none"> • provide an overview of the proposed project; • provide an overview of the environmental assessment process; that is relevant to the proposed project; • provide an overview of the public participation process; • provide an overview of the specialist input identified for the proposed project; and • capture any initial comments and issues for consideration in the assessment process
ATTENDANCE:	An attendance register is presented in Appendix 2.

1. BACKGROUND

SLR engaged with the community leadership and scheduled a public consultation meeting with Bokamoso/Mooinooi community to present the proposed Additional Waste Storage Project at Tharisa Mine on the 14th of December 2021 at 10:00. The meeting was well attended by the community members. The Ward 27 Councillor was not able to attend the meeting, in his absence he was represented by the leadership from the Business Chamber (BC).

Prior to the meeting, a discussion was held between SLR, Tharisa Minerals (Pty) Ltd (Tharisa) and the BC. The BC highlighted that there are many historic and current issues between the community and Tharisa that are still not resolved. Given that these issues have not been addressed, the environmental consultation for the proposed project could not continue. It follows, that the community members and the leadership utilised the opportunity to provide Tharisa with a list of issues and concerns that required addressing by Tharisa management. The BC indicated that consultation for the proposed project will happen when the demands of the community are met, or an agreement has been reached between Tharisa and the leadership.

The attendees were provided with face masks and all person's hands were sanitised upon entering the venue. The meeting was held outdoors therefore there was good ventilation.

2. DISCUSSION

Table 1: Record of Issues Raised

Issue Raised	By Whom
Unemployment Forum (UF):	
People from Bokamoso do not get employed by Tharisa. The posts from Tharisa require a very high qualification and most of the community members do not have those qualifications. For example, Tharisa will want a Grade 12 qualification and not many people in this community have a grade 12.	UF representative 1
The General Worker (GW) posts at Tharisa require a Grade 12 qualification. This community does not have many people with a Grade 12 qualification. Tharisa has brought their interns here to the meeting, whereas none of us have ever been called as interns to work for Tharisa.	UF representative 1
Tharisa is also not upskilling us as a community so that we can qualify for some of these posts.	UF representative 1
In this community we could even assist in the driving of the trucks that make a daily noise.	UF representative 2
We need more learnerships from Tharisa and Tharisa has never given this to us.	UF representative 2
We do not have high qualifications in this community, for example we do not have many people with a Grade 12 qualifications. There is no need for GWs to have a Grade 12 qualification. For example, SAMANCOR only requires GWs to have at least a Grade 10 qualification.	UF representative 2
Ward 27 is mostly populated by a poor demographic but there has been no skills development for the community from Tharisa.	UF representative 1
There are GWs at Tharisa and we do not know where they come from because they do not come from our community.	UF representative 1
Community Members:	
Tharisa advertises posts for the broader community before they advertise them solely for us, first. For example, by making the posts open via email, that makes it open to everyone in South Africa before we can apply and more likely than not, there are more qualified candidates than us. Tharisa should first look for candidates within the community before looking for candidates outside our community, so that we have an advantage.	Moloko Matshubeni
Tharisa should also provide us with opportunities to work internationally.	Community Member 2
Since the Tharisa operations have surrounded us, they should provide transport in the form of school buses for our children at the local school.	Community Member 3
General workers should not fail interviews. From my understanding, GW is simple work and people can easily be hired for it as it only requires your body and your mind. Fitness tests are the only things we should be failing.	Mokgadi
Since 2015, Tharisa started with the blasting. The trucks have been making a lot of noise and the dust has been excessive and we have reported all these issues to the councillor, and we do not receive any responses. Tharisa has not even provided us with assistance with these issues since.	Zanethemba Badula
The proposed WRD will not go ahead in our community if you do not take our issues and concerns seriously.	
We would like 100 opportunities for the community from Tharisa. These include: <ul style="list-style-type: none"> • 20 positions for general workers; • 50 bursaries; and • 30 opportunities for the BC. 	Community Member 6

Issue Raised	By Whom
Tharisa has only provide two general worker posts to the community of Bokamoso.	
Business Chamber:	
Tharisa has done nothing for the community since 2008.	BC Chairperson
<p>Tharisa must put in writing how the community is going to benefit from the proposed project. Since Tharisa began its operations in 2008, there has not been a single development that they have done for the community of Bokamoso. I have worked for Tharisa as well and have since resigned. There has not even been a water tank in the community from Tharisa even though we are the most affected community.</p> <p>If Tharisa wants to test us and continue with the WRD we will do what we have done with SAMANCOR and shut down Tharisa.</p>	BC Chairperson
Tharisa must give the BC a vender number.	BC Chairperson
Tharisa must not negotiate business opportunities with certain individuals. There are different forums in the community that they can liaise with to give the community the opportunities. This includes the BC, the UF and the Ward Councillor. An email can be sent to the secretary of the BC to pass on opportunities for the businesses in the community.	BC Chairperson
The BC knows there are many opportunities that could come from the mine, and we are ready. We know of the opportunities particularly in the logistics sector.	BC Chairperson
We need high mast lights.	BC Chairperson
The school budget needs to increase. We need a bigger school within the community.	BC Chairperson
The community must be provided with 450 food parcels from Tharisa by Friday the 17 th of December 2021 if they want the negotiations to continue. If the BC can supply food parcels for 400 – 450 households then Tharisa can assist with ease.	BC Chairperson
We do not benefit anything from Tharisa.	BC Chairperson
We are able to get yellow machinery from Barloworld and get it if Tharisa would give us business opportunities of that kind.	BC Chairperson
Tharisa must give us at least five (5) computers with printers because our youth need them for their CVs and even our school children can use the computers.	BC Member
Tharisa needs to engage with ward councillor and his leadership to give the community bursaries.	BC Member
Former Ward 27 Councillor:	
I have sat in meetings with Tharisa, and I have written several letters to Tharisa asking them to assist the community with at least food parcels and have never received any responses since 2016.	Ward Councillor 27
The rocks from the WRD also fall onto our roads.	Ward Councillor 27

APPENDIX 2: ATTENDANCE REGISTER

(Refer to signed attendance registers)

Project: Thamisa WRD EIA

SLR Company: South Africa (SA)

Date: 14 December 2021

Venue: Bokamoso Community Hall (BCH)

Meeting: Community Meeting (CM)



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Mando Kobane	Bokamoso	1897	0837496834	
Grace Mogof ADELAIDE	Bokamoso	1147	0825263582	
RAMOTSHABI	BOKAMOSO	1394	012 3411401	
Karabo Kgotsaka	Bokamoso	1452	063 765 7770	
Moloko Machubeng	Bokamoso		276346 0158	
Mokgethoa Rechrshi	111		0663804562	
DESMOND Ntsh'i	Bokamoso	1867	0764366870	
Emmanuel Othibeng	Bokamoso	1356	0797312966	

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Project: Tharisa WRD EIA
 SLR Company: South Africa
 Date: 14 December 2021
 Venue: Bokamoso Community Hall
 Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
SIPHELELE MUSA	BOKAMOSO	1789	0606015716	SPHELELESUNRISE0@gmail.com
CRANTZANA SIBANEWA	BOKAMOSO	1628	0649443524	
Linda Tshepo	Bokamoso	1149	0728874434	
WILFORD LUNGISA ZIMOSHELA	BOKAMOSO	1728	0633039447	
Kgotso Maseko	Bokamoso		0605719919613	kgotsoMaseko@gmail.com
KABELO LETHEKO	Mooimooi	4 Barbara Ave	0638563314	-
MASINDI MAWELA	Bokamoso	1060	0703815263	
Morah Mufamadi	Bokamoso	1244	0798395274	

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Thansa WRD EIA

SLR Company: South Africa

Date: 14 December 2021

Venue: Bokamos Community Hall

Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
NCOMEKA SONJICA	BOKAMOSO	1858	0714348520	lunakosonjica@gmail.com
Zolani Tenz	Bokamoso	4128	079600883	
Khayalethu Bani	Bokamos	1260	0738807470	
Levy Masebe	Bokamoso	E1825	072 7035684	
Mathews Motseuni	Bokamoso	1263	0730387657	XXXXXXXXXX
EDITM, M	BOKOMOSO		0626145452	
SIBUSISO TSABALALA	BOKAMOSO	1416	0665097065	SIBUSISO TSABALALA358@gmail.com
Lancelord Mashaba	Bokamoso	124	0722287967	LM88h969@gmail.com

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Tharisa WRD EIA

SLR Company: South Africa

Date: 14 December 2021

Venue: Bokamoso Community Hall

Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
ENNIE MOTLHALE	BOKAMOSO		072 146 9779	ennie.sedia@210@gmail.com
MOHLABE FRANCINA	BOKAMOSO		072 9899 326	motshinyemohlabe91@gmail.com
Afonia Komane Patricia M	Bokamoso		072 114 9732	
Patricia Mathebula	Bokamoso		0822582540	-
Velecia moagi	Bokamoso		0769520997	
Conny Mphahlele	Bokamoso		0607823599	-
Regina Moleiro Dreketseng	Bokamoso		0725424557	-
Temogo Makozane	Bokamoso		0797310141	-

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Project: Tharisa WED EIA
 SLR Company: South Africa
 Date: 14 December 2021
 Venue: Bukamaso Community Hall
 Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Mbale Mhlekude	Community	1261	0640783978	mmh48575@gmail.com
Kelebagile Zivhazo	Cominty	1152	0726804186	mmh48575
Thwala Peter	community	1152	0726804186	
DOUTUMER MIZEMANE	Community	P.O. 1781	0725 988844	dumignil.com@gmail.com
Michael Mkhalaq	Comm	1559	076781164	N/A
Lucky Makubete	" "	1062	0637221326	N/A
Mhlope Mkhawab	Community	1356	0725596946	N/A

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Tharisa WRD EIA
 SLR Company: South Africa
 Date: 14 December 2021
 Venue: Bokamos ~~WRD~~ Community Hall
 Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
EVANS DIBAKOANE		1437	0721375403	ntsebenq@gmail.com
ELLIOT BOSHEEO	Community	1020	0724467756 0721375411	elliottbosheego@gmail.com
Siyamcela mavango	Community	1078	0651276904	M/A
Martin Makgotho	Community	A4	0796280175	martinmakgotho@gmail.com
Zimbini Jojo	Community	1545	078 2549102	zimbinijojo@gmail.com
ANELE NTETHA	Community	1545	0810944929	Anelentetha93@gmail.com
Damthandazo	Community	1545	0638646029	damthandazo@gmail.com

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Thanisa WRD EIA

SLR Company: South Africa

Date: 14 Decembe 2021

Venue: Bukamoso Community Hall

Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Helm Kubu		B21	0731332392	
mpho shayi		1208	0799291511	
maria shayi		1208	063436666	
Muriya Mambey		1171	0608752851	
T. MUSHASHA		1171	0795959083	
Khishengey Maklumbe		1189	066 328 6078	
Lufuno maklumbe		1189	081 862 8795	
Lovim Mathebula		1187	0798293015	

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: T HARISA WRD EIA
 SLR Company: South Africa
 Date: 14 December 2021
 Venue: Bokamoso Community Hall
 Meeting: Community meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Eros & Ngoepe	community	1136 House	0714363137	
ZWANA SANDISO	community	Mamba 1422 house	0733974985	
Tshepofofo	Maletya Community	1630 Bokamoso	0796669197	
Leseto Setlhare	Community	1631 Bokamoso	0824011277	
Victoria Mamogale	Community	1206 Bokamoso	0664606145	
Machuberg Hellen	Bokamoso Community	1351 Bokamoso	0791513771	Hellen.mabengale@gmail.com
Mokgetho Sinky	bokamoso community	1243 Bokamoso	0723046974	
Ngyi Sipamant	Bokamoso	199 Bokamoso	0732212888	

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Tharisa WRD EIA
 SLR Company: South Africa
 Date: 14 December 2021
 Venue: Bokamoso Community Hall
 Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Joyce Mamoqale			0725772699	
Sopphy Makhubela		1274	0793103296	
Moelewe Makhubela		1843	0762757061	
Telita Kereshe		1845	0666520978	
Nomsa Mohlala		1326	0792479398	
Sizwe Njika		1067	0738034973	
Modupe Mapule		1176	0711826717	
Shumi Morel		1176	0673585499	

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Tharisa WRD EIA

SLR Company: South Africa

Date: 14 December 2021

Venue: Bokamoso Community Hall

Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Aisali Magidimisa	Community	1859 Bokamoso Mooindoi	072540963	Magidimisa2011@gmail.com
KHOSA WINNERS	Community	1462 Bokamoso mooindoi	0983857887	khosawinners@gmail.com
NOMSA MLEHUKI	Community	1243 Bokamoso mooindoi	0663672147	—
mokgadi Raganya	Community member	1302 Bokamoso mooindoi	078 1356684	livobhr@gmail.com
Ellen Dikgang	Community member	1377 Bokamoso Mooindoi	0711449091	ellendikgang23@gmail.com
meisie mashinye	Community member	1611 Bokamoso mooindoi	0834338449	—
Thabo Malatsi	BMTBC	136 Bokamoso Mooindoi	0827434990	malatsi2011@gmail.com
Simon Mabane	BMBL	section 1650 Bokamoso	072 448 7192	mpati9ne@gmail.com

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Tharisa WRD EIA
 SLR Company: South Africa
 Date: 14 December 2021
 Venue: Bokamoso Community Hall
 Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
ZANDILE Nobela	BmBC	1667 Bokamoso 0325 Modinooi	083 733 9316	katenobela@gmail.com
Theo H Maluleke	Community member	1284 Bokamoso 0325 Modinooi	063 082 8354	theo.wu@gmail.com
Thimisi Mokoae	Community member	0325 Bokamoso	0765550413	
Mokgotho Detick	Community member	0325 Bokamoso	011 1932351	
Mokgotho Marcia	Community member	0325 Bokamoso	076 0391607	
Riefiwe Letsoalo		0325 Bokamoso	0796482502	

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Tharisa WRD EIA
 SLR Company: South Africa
 Date: 14 December 2021
 Venue: Bokamoso Community Hall
 Meeting: Community Hall



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
TSATZ ERENCE	Bokamoso	1271	0766702788	
Shepo Mkhonto	Bokamoso		0711960792	
STEPHEN RANKWE	MASIMONG	A123	012 7611 472	
SEFIREY	Bokamoso	1716	07355 47909	
Mtshozi Nantlano	Bokamoso		0681280580	
Shay: Fatuwani	Bokamoso	1208	0712230054	
TEMBALETHU MADLO	Bokamoso	A 33	0786788789	
Mockets: Pokie	Bokamoso	1657	0797055413	

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Thansa EIA WRD

SLR Company: South Africa

Date: 14 December 2021

Venue: Botamoso Community Hall

Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Mohuwotshhe	PHETHO	MOOINOOI	083 5075727	lunn
Masonwabe Zaka	Bokamoso	MooiNooi	079 3729079	M. Zaka
Mthuthuzeli Mphahlele	Bokamoso	MooiNooi	0938223900	Mth
Thabo Moeng	Bokamoso	MooiNooi	0168073665	M
Calact Komane	Bokamoso	MooiNooi	0673996275	M
Isaac Mtsheni	Bokamoso	MooiNooi	0718422813	M
Kgoete Eric	Bokamoso	MooiNooi	0839466381	M
Mphahlele Mphahlele	"	"	060450159	M. Mphahlele

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Tharisa Commu NRD EIA
 SLR Company: South Africa
 Date: 14 December 2021
 Venue: Bokamoso Community Hall
 Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
RESTA LESHIKE	BOKAMOSO		0609439817	restaleshike@gmail
TAELO MOSELENE Maxosa DLaka	BOKAMOSO		0647603762	
Maxosa DLaka	Bokamoso	1975	0781554004	
Thilo Makoma	Bokamoso		0663464466	
Jesse mohlahlo	Bokamoso	1476	0797891881	
S. Fubinzima	MAMBA	B196	063527124	
Mngangeni Thimbi	BOKAMOTO	MooiNooi	0723340903	
Lindile	Sobahle	mooiNooi	0655687631	

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Tharisa WRD EIA
 SLR Company: South Africa
 Date: 14 December 2021
 Venue: Bokamoso Community Hall
 Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
G. KHAMBA			0734977238	
Manny Mungai	Bokamoso	1209	0791099623	
SINDIGWA Zaba	BOKAMOSO	1425	019010426	SINDISWAZABA74@gmail.com
KELETCO MALEROTO	BOKAMOSO	1297	076 212677	
ERIC MAKIMBELA	BOKAMOSO	1609	0635273552	
Bongi Madi	Bokamoso	1902	0666658007	
JABULANI BANDA	BOKAMOSO	1789	071 189 5021	
THABISO JIJU	BOKAMOSO	1789	076 832 6699	

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Thamisa WRD EIA
 SLR Company: South Africa
 Date: 14 December 2021
 Venue: Bokamoso Community Hall
 Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Thabo Malatji	Bokamoso	0325	0764437652	Thabajujuji7@gmail.com
ISHEPO Motgale	Bokamoso	A801	0112512939	
Thokoza Mkhiz	Mooirae	11 Freda	0681275865	emkhize26@gmail.com
EDDIE MAPISI	Mooirae	20 Dorothy Ave	0729947433	eddie.mapisi@gmail.com
Margaret Blom	Bokamoso	1136	082 2145831	0822145831@gmail.com
Victor Dambuzi	Bokamoso	1196	0785575371	
Mashudu Mambane	Bokamoso	1136	073 3092133	mambane5@gmail.com
LUCKY	Slings.com	1157	0763267450	lucky@slings.com

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Thamisa WRD EIA
 SLR Company: South Africa
 Date: 14 December 2021
 Venue: Bokamoso Community Hall
 Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Moss Donald MOSOLA	Bokamoso	0325	0780200686	WISERMANMADONNAR@gmail.com
Selwyn Beethelofan	Bokamoso	1431	078 678 8381	
Kenehoe Pule	Malaeneng	307	0637202665	Kpule
VICKY MTHLWU	BOKAMOSO	1275	0793263762	
Tebatio Moksotla	Bokamoso	0327	0827460618	Tebatisosteb9659119111.com
Roger Maphoni	Bokamoso	-	0799494544	
THABANI MAZWI	BOKAMOSO	1084	0786363766	
PIET MOKOPO	BOKAMOSO	1106		Piet

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Thansa WRD EIA
 SLR Company: South Africa
 Date: 14 December 2021
 Venue: BCM
 Meeting: CM



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Hloniphani ^{Chaka}	Bokamoso	1403	08354795	
S HAVIEL ^{Chauke}	Bokamoso	A166	064678506	
Le genddo ^{Egudu}		1040	072252829	
Nelson Zutiso	Masimang	A127	0787656123	
macekeleli Khayi	Bokamoso	1320	0810334723	
Alex SITHOLE	Bokamoso	1200	0789176735	
ZIMASILE NOTSHATI	Bokamoso	1346	0723817125	
YOLA LUNGELI	Bokamoso	1090	060383373	

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Thansa WRD EIA
 SLR Company: South Africa
 Date: 14 December 2021
 Venue: Bokamoso Community Hall
 Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
RICHARD MBLTHE	BOKAMOSO	1222	0733068793	
Thomas MODU	Bokamoso	1219	083 755 6827	
Matete Selala	Bokamoso	A 93	0713894019	
Chwayta Sindo	Bokamoso	1376	071 990 5398	
Moshe Mahlako	Bokamoso	2281	0794621832	
Tumero Mchubang	Bokamoso	2410	0768065726	
Maepe Johannes	Bokamoso	1286	081 886 5831	
BONGANI NGIZA	BOKAMOSO	1491	0634288078	

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Thabisa WRD EIA
 SLR Company: South Africa
 Date: 14 December 2021
 Venue: Bokamoso Community Hall
 Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
NANDIPHAVELEMBO	Mooindooi	17 CLARA	0937667455	
Thanzi Ntombovye	Mooindooi	16 CLARA	0735712607	
Nandiswa Fambaza	Bokamoso	1277	0603026512	
Brenda Mtsolongo	Bokamoso	1418	0730843432	
Mobhwabo Maathdelwana	Bokamoso	1387	0788153902	
Pnelise Zabo	Bokamoso	1425	0782885307	
Nandiswa Zabo	Bokamoso	1425	0790401426	
Makabelo Ratele	Bokamoso	A14	0716258099	

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Thalisa WRD EIA
 SLR Company: South Africa
 Date: 14 December 2021
 Venue: BCH
 Meeting: CM



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Boitumelo Zwane	MooiNooi	16 CLARA	0788872470	
Richard Mase	MooiNooi	9 ANITA	0727175588	
Hermine Trulo	MooiNooi	14 Freder AVE	0187756191	
Itandiwe Bemamba	MooiNooi	16 Hilda Avenue	013 069 5216	
Julia Mapepe	BOKAMOSO	1537	0797724705	
Rhoda Magabe	Bokamoso	1802	0791728219	
Patraciamphupu	Bokamoso	1345	0826759112	
Urqinia Magabe	Bokamoso	1414	0795762595	

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Tharisa WRD EIA
 SLR Company: S. A
 Date: 14 December 2021
 Venue: BCH
 Meeting: CM



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Tshabalala Nhlankhla	Bokamoso	1107	0781364601	
Thabang Tlencwa	Bokamoso		0733625552	ThabangTlencwa@gmail
Lukhanya Mxheli	Bokamoso	1208	0803726481	
Wenkhu Mogofe	Bokamoso	1828	0726378576	
Thandile Mungoni	Bokamoso	0325 1117	0786191557	
Zikhona Chani	Bokamoso	1071	0986751391	
Bongile Jikwena	Bokamoso	1057	0605022886	
Joseph Mamogae	11 11	1665	0713319660	

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Thansa WRD EIA
 SLR Company: S.A
 Date: 14 December 2021
 Venue: BCH
 Meeting: CM



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Kheolanyi Mterobani	Bokamoso	1902	076362029	
Refiloe Komano	Bokamoso	1903	0794423696	
Amelia Lephoti	" "	Elma	0730389517	
Anna Puleng	" "	Elma	076369718	
Trexe Serabete	" "	Elma	0606062938	
Esther Marobe	" "	1556	0609557022	
Juonne Molefe	" "	1248	0795811919	
Remoue Mkhonto	" "	1299 1299	0762517715	

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Tharisa LRD EIA
 SLR Company: S.A
 Date: 14 December 2021
 Venue: BCH
 Meeting: CM



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Lazarus Selago	-		0798550966	
Jystice Lekuba	Bokamoso		0790440129	J.N. Lekuba
Joseph MADETE	✓		0712265857	
Nokubonga Sturman	✓		0648573254	
MIRRIAM MASHIKUM	BOKAMOSO		0604820124	
Temaho Mtakane	BOKAMOSO	1514	0790402119	
Mathamolo MATHO	Bokamoso		0716132551	Matham
Colleen Mkhondo	Bokamoso		0729687476	colleen.malepedius@gmail.com

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Tharisa WRD EIA
 SLR Company: S.A
 Date: 14 December 2021
 Venue: BCH
 Meeting: CM



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Owen Maile	Bokamoso		0724418584	<i>Ami</i>
LIAM TSAI	BOKAMOSO		06570736 ⁰⁴	Liam
Robboy Ntimane	Bokamoso		0792980953	
ZITHO ALAM	BOKAMOSO		0665236071	
Mosimane- Boitshoko Walegotla	Bokamoso		0604356484	
ANNA SARANS	Bokamoso		076 3881876	
NOSIPHWO SILINGO	BOKAMOSO		0788620067	

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Tharisa WRD EIA
 SLR Company: S.A
 Date: 14 December 2014
 Venue: BCH
 Meeting: CM



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Matebohanga	Bokamoso		0636689687	
Lesley Malepe	Bokamoso		0608464570	
Usunzi Butshek	Bokamoso	1508	083 752 6609	
Maria Matona	Bokamoso	1130	0764061749	
Selwkele matode	Bokamoso		0718357601	
Sonezo magina	Bokamoso	1448	0734852302	
Zimasa Dinaka	Bokamoso	1068	0833042612	
Azile Nganyana	Bokamoso	1088	0833042612	

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Thamisa WRD EIA
 SLR Company: S-A
 Date: 14 December 2021
 Venue: BCH
 Meeting: CM



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
DUDELA Mtsorongo	BOKAMOSO	1529	0717674992	
BABUSISE Ngomani	BOKAMOSO	1507	0836598901	
SINDISWA Mochi	BOKAMOSO	1525	0632407493	
NTHABISWA Moleko	BOKAMOSO	1563	0733325608	
Phakama Mthenswa	BOKAMOSO	1264	0 -	
MONYALISO Sinyang	BOKAMOSO	1269	0786306144	
LIDALIA THEOLE	BOKAMOSO	126	0635151024	
Justa Mogapi	BOKAMOSO	AS6	0711 262671	

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Tharisa WRD EIA
 SLR Company: S.A
 Date: 14 December 2021
 Venue: BCH
 Meeting: CM



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Nonkululeko Moleko	Bokamoso	C 120	0657143214	
Mpho Motene	Bokamoso	1530	0725021982	
Zanele Mangenane	Bokamoso	1261	0614118014	zanele.mangenane24@gmail.com
Ludamile Matlengwe	Bokamoso	1235	0659144962	
Calvin Mochiye	Bokamoso	1656	0661049608	
Kenneth Morofa	Bokamoso	1315	0818271401	
KHENSANI MAHOLE	Bokamoso	1335	079 833 8490	
Steve nkosi	Bokamoso	1697	0788733437	

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project:

SLR Company: South Africa

Date: 14 December 2021

Venue: Bokamoso Community Hall

Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Tumelo Madutiny	Ward 27	S2 Cleander Mooimooi	0607906215	freddy781026@gmail.com
Tshepang Bedbe	Ward 27	18 AUCHSIA Mooimooi	0725523428	
Clifford Seleka	Ward 22	PO BOX 196 MOOIMOOI	0786731262	
Gobisa Fambaza	Ward 27	Bokamoso	073 098 3501	
Tumelo Mhabeu	Ward 27	Bokamoso	0820517827	

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Tharisa WRD EIA

SLR Company: South Africa

Date: 14 December 2021

Venue: Bokamoso Community Hall

Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
LEBOGATLA MALEPE	Bokamoso	1397	081 065 4666	machellebogang15@gmail.com
NORA SOMBANE	Bokamoso	1280	018 574 4317	
Bernice Alcam	Bokamoso	1688	060 898 8544	bernicealcamzanyiw@gmail.com
Gilda Sumbane	Bokamoso		078 646 3769	
Phetso Malepe	Bokamoso	1680	064 451 4879	Phetso@gmail.com
MPHO MONAKALO MALEKOTO	BOKAMOSO	1486	072 928 7500	mphomonakaloma@gmail.com
KOMANE LEOMAR	BOKAMOSO		082 063 2519	
Mokotso Jatho	Bokamoso	1861	071 554 0251	jathomokotso@gmail.com

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Thansa WRD EIA

SLR Company: South Africa

Date: 14 December 2021

Venue: Bokamoso Community Hall

Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Elias Makroze	Modinooi	0325	0723956898	11 11 11
Masechaba Makheba	Modinooi	0325	0815996513	makheba_1@yahoo.com
Sophia Makopela	Bokamoso	0325	0165615571	sophiamakopela26@gmail.com
Ledwaba Lesego	Modinooi	13 Barbara Ave 0325	0616729206	lesego.ledwaba@gmail.com
Besitj	Makofan	1122	0735415755	
Leginah Pholoholo	Bokamoso Pholoholo	-	0795493926	KR Pholoholo
Mapula	Tshielo Bokamoso	1199	0649844206	Emily
Sylvia Mayinga	Bokamoso	1281	0716252953	

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Thunisa WRD EIA

SLR Company: South Africa

Date: 14 December 2021

Venue: Bokamoso Community Hall

Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
MaSekame	Bobokamoso	9911	0887563	X
Asavela ndima	Bokamoso	1483	0783576268	Asavelandima@gmail.com
Molato Lehohang	Bokamoso Molato	1848	0721963798	X
Promiso Segoge	Bokamoso	1192	012 4789 660	PromisoSegoge@vop.com
Abubill. Mendo	Bokamoso	1422	0721857251	!
SANDOZWANA	Bokamoso	1422	0733774987	X

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Thansa WRD EIA
 SLR Company: South Africa
 Date: 14 December 2021
 Venue: Bokamoso Community Hall
 Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Elizabeth Lepuma		1767	078356569	
VICTORIA MABINI		1877	071 134 2005	
MASETHE MAHLASE		1877	066 155 3689	sebutwe@agribil.com
Annan Louw		1128	072 962 0710	
Samuel B Mapelo		1128	072 962 0710	
NEISHILAVULUM.		1484	071 7503247	
MARY Motob	Moorosi Kaka 258	Mooi Mooi 258	0695165541	
M. Mshobane		Mooi Mooi HONYELA	072 769 2324	

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Thavisa WRD EIA
 SLR Company: S.A
 Date: 14 December 2021
 Venue: BCH
 Meeting: CM



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Simeon Molobeng	Bokamoso	Dithabaneeng	0792227426	simeontshepo17@esim.co.za
MMAMA KHOZA	Bokamoso	Dithabaneeng 1269	0724855547	
TSHEPO LEKUBU	Bokamoso	D:Thabaneeng 1611	0647794063	
Eric Ngele	Bokamoso	MALAENENG	0789799975	
MABU NGELE	Bokamoso	MALAENENG	012 896 6498	

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Project: Thansa WRD
 SLR Company: S.A
 Date: 14 December 2021
 Venue: BCH
 Meeting: CM



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Eric Sibebele	Bokamoso	1788	0637994259	Eric St Sibebele@gmail.com
Sam Mapalakyane	Bokamoso Sec	1158	0716125694	Mapalakyane@gmail.com
Phindile Qaba	Bokamoso sec	171	0748 0648007640	Phindile60@gmail.com
Potsiso Moimane	Bokamoso Section	1564	0822146604	delsonmoimane@gmail.com
Katleso Phasha	Bokamoso	1191	0792544188	ksptreidirs@gmail.com
Eric Msoete	Bokamoso	1191	0664908815	latilisiours@gmail.com
Lebogang Mokhele	Bokamoso	2043	060744098	lebo.mokhele@gmail.com
Mogofe Potshu	Bokamoso	1826	0714412201	Potshu001@gmail.com

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Project: Thanisa WRD EA
 SLR Company: S.A
 Date: 14 December 2021
 Venue: BCH
 Meeting: CM



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Andronica Mangena	Bokamoso	1657	0726974713	
Vicky Phasha	Bokamoso	1657	0726793677	
Dolly Maditi	Bokamoso	1096	0822217322	
Patricia Moseke	Bokamoso	A157	0866325843	
THANDI Silingile	Bokamoso	13 Mooimooi	0603022583	
DORRIS Makgata	Mooimooi	14 IRIS Mooimooi	0820826542	dmakgata@yolo.com
VIOLET Ntaopane	Bokamoso Mooimooi	BOKAMOSO	0782737145	ntaopaneviolet@gmail.com
Lazarus Macheberg	Bokamoso mooimooi	Bokamoso	0711045579	

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Project: Tharisa WRD EIA
 SLR Company: S.A
 Date: 14 December 2021
 Venue: BCH
 Meeting: CM



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Banele Shongwe	Moorivori	1032	074 892 0228	banele19990611@gmail.com
THAPELO MOKGOTHO	Bokamoso	15 15	0765404605	mokgotlhothapele@gmail.com
Albertina mangane	Bokamoso	1331	0649364065	A
Tutu Segege	Bokamoso	1192	0762231682	—
Jappie Mogofe	Bokamoso	1154	0761462760	✓
ISEBO MALAWI	BOKAMOSO	1740	076 758 671	ISEBO MALAWI
FORSYER	Bokamoso	1740	076 4720 225	Forsyer
Samson	Masinga	B54	0791655866	Samson

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Project: Thansa WRO EIA
 SLR Company: S.A
 Date: 14 December 2021
 Venue: BCTI
 Meeting: BCM



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Sunny Mabobele	Bokamoso Section	House no: 1365	071 1150 708	Cliffmabobele@gmail.com
Sipho Morei	Bokamoso Section	House 1621	082 975 011	11
Honisa hovie	Bokamoso section	Malaeneng 228	—	11
Mogofe Matqool	Bokamoso section	1735 Dithabaneng	0122336419	kgody@gmail.com
IPONKENG MGOZEA	BOKAMOSO	B114 MHTAMANG	082 565 9887	ipobkemoque@gmail.com
Benjamin Makaleng	Bokamoso section	A175 Malabereeng	0843435346	—
Nelly Moloi	Maamooi Section	DOROTHY RD AVE	0767816245	moloponelly@gmail.com
Linceo SELOKWA	Maletma	—	0797110575	—

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Project: Tharisa WED EIA
 SLR Company: S.A
 Date: 14 December 2021
 Venue: BCH
 Meeting: CM



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Ereus Mkelatji	11	136	0825040342	
Webster Mgoma	Bokamoso	1456	0786168961	
Mkhutsheli Mpenetho	Bokamoso	1464	0838222900	
Pinkie Matakotib	Bokamoso	1304	0732069753	
Pinkie Mduli	Bokamoso	124	0767669202	
Julia Mduli	Bokamoso	123	0768449901	
Rhodah Magqabe	Bokamoso	1802	0791728219	
Tharisa Swa Folamane	Bokamoso	1172	0783168915	

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Project: Thansa WRD EIA
 SLR Company: S.A
 Date: 14 December 2021
 Venue: BCTI
 Meeting: CM



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Andiswara Sumarya	BUKAMUSO Sumarya	1207	0607915512	
Tebelelo Molale	Bokamoso	135-	0727398870	Tuba
Funelo Madubung	Wooiwooi	S2 Olearok	060706045	Freddy751026@gmail.com

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Project: Thansa WRD EIA
 SLR Company: S.A
 Date: 14 December 2021
 Venue: BCH
 Meeting: CM



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
VUTINI MGOBEMI	BOKAMOSO	B130	0195487770	
Sydwell Ratshe	BOKAMOSO	B130	0648251414	
GODI KGESE	MOOINOOI	17 KARRE AVE MOOINOO	066394690	
ANOKINE PENEKE	MOOINOOI	38 OLLEN AVE	0604810010	
Sontheuba	Bokamoso	1205	0719065270	
Daniel Muchenga	MOOINOOI	Greder 09	0727340153	
Matogo Zebane	MOOINOOI	1670	0790921977	
Geno Dibakwane	Bokamoso	1770	0796278110	

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Project: Thanisa WRD EIA
 SLR Company: S.A
 Date: 14 December 2021
 Venue: BCA
 Meeting: CM



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
SIKHOLWE SITHETHO	8312305600083	BOKAMOSO 1722 MOOINOOI Section	0753698959	
TSOLO JOSEPH PHOCHA		A 13	0789823956	
MOSES THOTSEBANE	BOKAMOSO	BOKAMOSO 1562 MOOINOOI	0766355216	
PHILA MATA		-	0633721815	
MPSILENG, MAMISO		BOKAMOSO 1218 MOOINOOI SEC	-	
KEHLEKE MOKESWE		BOKAMOSO 1735 MOOINOOI SEC	-	

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Project: Thansa WRD EIA
 SLR Company: S.A
 Date: 14 December 2021
 Venue: BCH
 Meeting: CM



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Nyete Lettuzano	Bokamoso	1618	079 8263661	
Kore kgwano	Bokamoso	1099	0726511598	
Sun Tauema	Bokamoso	1344 1100	0822221417	
Sylvester Mogate	Bokamoso	1567	0799877754	
Mokiet	Bokamoso	1336	0835 017908	
Waleshe	Bokamoso		063496007	
M. MPHAKA TINI	Bokamoso	1065	0655618517	
B. Ni'NGI'ZA	Bokamoso	1491	0634288078	

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Project: Thamsa WRD EIA
 SLR Company: S.A
 Date: 14 December 2021
 Venue: BCH
 Meeting: CM



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
QEBE SANBISO	Bokamoso	1574	0733954419	
Moshe Mogale	Bokamoso	1576	078 933 2854	
LUCAS MAISI	Bokamoso	1276	0715303039	
Jack Molepe	Bokamoso	1216	078 348 6684	
Thapelo Mogape	Bokamoso	1128	0685422152	
Keboiso Malepalle	Bokamoso	1840	079090058	
hwaniso Tliso	Bokamoso	1333	078 815 9650	
Soyavula Cefu	Bokamoso	1734	0655525965	

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Project: Thamisa NRD EIA
 SLR Company: S.A
 Date: 14 December 2021
 Venue: BCH
 Meeting: CM



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Anele matina	Bokamoso	1380	0824391819	
Lekholla mokubetsane	Bokamoso	1390	0719610148	
Julia Malepe	BOKAMOSO	1557	0797724705	
Virginia Magabe	Bokamoso	1414	0795162895	
Thapiso Maserole	Bokamo	1298	0669512206	
H. Likhalethu	BOKAMOSO	1306	073 822 1831	
Mosibudi Madipe	BOKAMOSO	1340	072 9504460	
Mahodi Molekane	BOKAMOSO	1340	0824205471	

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

SLR Consultation in Ward 27

14/12/2021

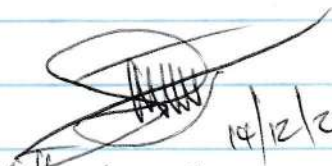
To whom it may concern:

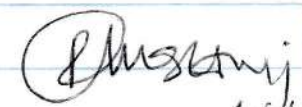
A consultation meeting was arranged for Bokamoso/Mooinoi for SLR to present the upcoming projects of Tharisa Minerals.


After a caucus between Tharisa representative, SLR and Business chamber on behalf of the ward councillor, it was concluded that the consultation meeting cannot continue as there are hanging issues with Tharisa.

The meeting was redirected to community members raising their concerns with Tharisa and the representatives to dodge them down for further escalation to Tharisa Management.

Further engagements will happen when the community demands are met or there's a way forward reached.


14/12/2021
Tharisa Representative


14/12/2021
SLR Representative


14/12/2021
Business Chamber

THARISA MINERALS (PTY) LTD

ADDITIONAL WASTE STORAGE AT THE THARISA MINE

MINUTES OF MMADITLHOKWA COMMUNITY MEETING

DATE	8 December 2021 - 10:00
VENUE:	Mmaditlhokwa Community Centre
PROJECT:	Additional Waste Storage at the Tharisa Mine
SLR COMPANY:	SLR Consulting (South Africa) (Pty) Ltd (SLR)
PROJECT NUMBER:	720.20002.00065
PURPOSE:	<p>The purpose of the meeting was to:</p> <ul style="list-style-type: none"> • provide an overview of the proposed project; • provide an overview of the environmental assessment process; that is relevant to the proposed project; • provide an overview of the public participation process; • provide an overview of the specialist input identified for the proposed project; and • capture any initial comments and issues for consideration in the assessment process
ATTENDANCE:	An attendance register is presented in Appendix 2.

1. OPEN AND INTRODUCTION

The meeting was opened by Gordon Mokotedi (GM) from the Tharisa (Pty) Ltd (Tharisa) Social and Labour Plan (SLP) team who also provided an overview of the purpose of the meeting. Following the initial opening of the meeting by GM, Aluwani Kangala (AK) who is part of the Environmental team at Tharisa introduced herself. Thereafter, Reinett Mogotshi (RM) introduced herself and Milisa Rala (MR) from SLR as independent Environmental Assessment Practitioners (EAPs) that have been appointed by Tharisa to undertake the environmental authorisation process for the proposed project.

2. PRESENTATION

RM gave a presentation providing an overview of the proposed project and provided information pertaining to the following project components:

- the establishment of a new Waste Rock Dump (WRD);
- the extension of a previously approved WRD;
- the deposition of waste rock above backfilled portions of the West and East pits; and
- the establishment of a new Tailings Storage Facility (TSF).

RM also outlined the environmental authorisation requirements, the environmental authorisation process, the existing status of the environment, the specialist studies to be undertaken and the public participation process for the proposed project.

During the meeting, RM emphasised that the community meeting formed part of the initial public participation process for the proposed project. It follows that various specialist investigations are still underway and as such, it would not be possible to provide answers to all questions and queries raised during the meeting. It was however emphasised, that towards the end of the environmental authorisation process, once all the specialist work has been completed, SLR and Tharisa will return to the communities to provide feedback to all queries raised.

A copy of the presentation is included in Appendix 3.

3. DISCUSSION

A number of issues were raised during the meeting. These have been recorded in the table attached as Appendix 1. Where a response was provided the response has been included in the table.

4. THE WAY FORWARD

RM outlined the way forward as follows:

- Specialist work will be initiated.
- SLR will compile a Scoping Report and Environmental Impact Assessment and Environmental Management Programme report (EIA and EMPr) for the proposed project. These reports will be made available to Interested and Affected Parties (I&APs) for review and comment for a period of 30-days.
- A Non-Technical Summary of the Scoping Report and EIA and EMPr's will also be prepared by SLR and will also be distributed to I&APs during the review and comment periods.
- I&APs will be informed of the public review periods via email and SMS notifications.
- I&APs will be able to submit their comments on the reports to SLR in writing via fax, e-mail, SMS or via post.
- The comments made by I&APs will be documented and responded to in the updated reports.
- The updated Reports will be submitted to the Department of Mineral Resources and Energy (DMRE) for decision making.

5. CLOSE

The attendees were thanked, and the meeting was closed by GM.

COVID Health and Safety Note:

The attendees were provided with face masks and all person's hands were sanitised upon entering the venue. The meeting was held outdoors therefore there was good ventilation.

APPENDIX 1: RECORD OF ISSUES RAISED AND RESPONSES GIVEN

Issue Raised	By Whom	Response
<p>We need to know what the project is about. You are speaking a lot of English and old people don't understand English. We need an explanation again on what is going to take place.</p>	<p>Thabo Paelwana</p>	<p>Noted. We had a session earlier with the elderly people to present the project to them without using the technical language.</p> <p>Tharisa mine takes place within two mining sections i.e. the East and West mine and is separated by the Marikana road and the Sterkstroom River. With reference to slide number 5 of the presentation, all existing infrastructure at Tharisa mine is shaded in green. These includes waste rock dumps, open pits, tailings storage and other support infrastructure.</p> <p>Tharisa is proposing to establish:</p> <ul style="list-style-type: none"> • the Far West WRD 2, which will be established above the backfilled portion of the west pit (which will encroach on community activities in Mmadithlokwa); • West WRD 2, which will encroach on community activities in Lapologang; • the East Pit WRD which will be established above the backfilled portion of the east pit; and • a new TSF will be established south of the mine, adjacent to the West WRD2 (RM from SLR).
<p>Where are you relocating the people now that you have decided to deposit waste rock here or will we remain here in Maditlhokwa?</p>	<p>Thabo Paelwana</p>	<p>The relocation of the school falls outside the scope of this environmental process. This question has been noted and will be provided to the Tharisa's SLP team for consideration (RM from SLR).</p> <p>Relocation is not something that can occur fast in South Africa. There are many facets of the process that involves the government and multiple applications as well. We can continue to engage with the new councillor and his team to have more discussions around relocation and we can progress (GM from Tharisa).</p>
<p>How do you agree to the WRD project when you are busy with a pending relocation process with the community? The proposed project will result in even more negative impacts such as the impact of dust that we are already experiencing?</p>	<p>Kedibone Khumalo</p>	<p>Tharisa has not obtained approval for the proposed project. Tharisa has appointed SLR to undertake the environmental assessment process for the proposed project. A component of this process is stakeholder engagement, and as such SLR is holding meetings with the communities. The DMRE will decide whether to grant the authorisation or not based on the outcome of the environmental assessment process and reports which will be submitted to the DMRE for consideration (GM from Tharisa).</p>

Issue Raised	By Whom	Response
		<p>It should be noted that all comments raised during these meetings will be collated and submitted to the DMRE with the environmental assessment reports for decision making (RM from SLR).</p>
<p>I am not familiar with you, Mr Mokotedi, as a Tharisa representative, please could you introduce yourself and your colleagues?</p>	<p>Christina Mudau</p>	<p>I am Gordon Mokotedi from the SLP department at Tharisa. I am a Community Liaison Officer (CLO) for the communities surrounding the mine including Mmaditlhokwa, Lapologang and Bokamoso. My role is to liaise concerns from communities to Tharisa. With me is Aluwani Kangala from Tharisa's Environmental department</p> <p>Reinett Mogotshi and Milisa Rala are our environmental consultants from SLR (GM from Tharisa).</p>
<p>On the map that is on slide 5 of the presentation that was given by SLR, there is the yellow shape that is above the proposed West WRD 2, that is the local school. Tharisa is placing the dump close to our children's school. Our children will inhale dust and pollution and get affected by the vibrations. We refuse. It is not fair as our children are inhaling air pollution. Tharisa does not care for us, will the school be relocated and where is Tharisa planning to relocate it to?</p> <p>Has our area changed from a residential area similar to when our ancestors resided here? Is it now a mining area on maps?</p> <p>I know the history of Mmaditlhokwa. It is a mining area, and it is not residential area, but it is still the government's responsibility to engage people within the mining area when making decisions such as the proposed project.</p>	<p>Christina Mudau</p>	<p>Noted. Issues raised with regard to the impact that the project will have on the school will be taken into consideration as part of the environmental assessment process. The relocation of the school falls outside the scope of this environmental process. This question has been noted and will be provided to the Tharisa's SLP team for consideration. A feedback session will be held to provide feedback on questions raised (RM from SLR).</p> <p>It should be noted that Mmadithlokwa is not a formalised residential area- it is located within the mining right area (GM from Tharisa).</p>
<p>Tharisa wants more WRDs, and it seems as though we are a nuisance to them for residing in the area where they want to operate. Tharisa only wants to benefit themselves. We already experience impacts like vibrations from blasting and dust pollution from the blasting.</p>	<p>Christina Mudau</p>	<p>Noted. The purpose of these meetings is to provide a platform for communities to raise their concerns about the proposed project. These concerns will be provided to Tharisa for consideration and addressed in the environmental impact assessment report which will be informed by specialist studies. A feedback session will be held to provide feedback on issues raised. It is important to note that that we are in the initial stages of the environmental process for the proposed project and as such specialist studies have not yet</p>

Issue Raised	By Whom	Response
<p>Why were specialists not brought in a few years ago to do the assessments? The blasting affects our properties. Our water is also contaminated. Our houses are no longer balanced, they tilt and as a result our homes are flooding when it rains.</p> <p>The executives of Tharisa (such as the MDs and CEOs) must come and see what is happening in this community for themselves. Tharisa does not respect us, they don't value us meanwhile they are making billions. Please relocate us.</p>		<p>commenced. The specialists for the proposed project will be on site following the community meetings to commence with their studies. These will include air quality, noise, heritage, biodiversity, agriculture, and visual specialists (RM from SLR).</p>
<p>My mother was relocated by Tharisa mine before to Mmadithlokwa. I do not know of the law that allows for people to be relocated multiple times to allow for the expansion of the mine. Black people are offered RDP houses which end up cracking while farmers south of the mine are given money as part of the relocation process.</p>	Mapule Tiro	<p>Noted. The purpose of these meetings is to provide a platform for communities to raise their concerns about the proposed project. These concerns will be provided to Tharisa for consideration and addressed in the environmental impact assessment report which will be informed by specialist studies. A feedback session will be held to provide feedback on issues raised. The resettlement falls outside the scope of this environmental process. This question has been noted and will be provided to the Tharisa's SLP team for consideration (RM from SLR).</p>
<p>When Tharisa wants something from the community, they can come into the community to engage with us. We have underlying water issues, the water we drink is contaminated. There is also a blasting issues that has affected our elderly and our children. The elderly people are becoming sick as a result of the dust in the area. Furthermore, it is heart breaking to see our children run around like they are crazy and faint during blasting.</p> <p>All Tharisa cares about is making money, you don't care about us, why don't you relocate us so that you can make money? Why are white farmers south of the mine given money to relocate? How long does it take for Tharisa to find a suitable land for relocation? Please call the executives to come to the communities and address us. They must not send you.</p>	Cecilia Hanyane	
<p>Can the issue of relocation please be addressed before Tharisa implements any projects? We want to relocate, please provide us with a house plan.</p>	Kedibone Khumalo	

Issue Raised	By Whom	Response
<p>On slide 8 of the presentation, you mentioned that the process where you are in right now will run from May to December. I do not understand this as it is December right now, why did you only come to us now in December?</p> <p>Tharisa must give us a written document that outlines the community benefits, including the area identified for resettlement as well as the house plan.</p>	Ezekiel Ndlovu	<p>We are in the pre-application phase of the project. SLR was not able to schedule meetings earlier due to COVID restrictions. It should also be noted that the pre-application phase also includes preparation of public participation materials such as a Background Information Document, site notices and meetings with authorities and the community leadership. These activities form part of the pre-application phase and were undertaken prior to the community meetings (RM from SLR).</p>
<p>On the issue of the environment, we need a proper monitoring plan. We are grateful that you are here doing the assessment and compiling and environmental report.</p> <p>We understand that you may not have all the answers at this stage because you still need to do the assessments but as a community as well, we need to form committees and teams that will deal with all the issues we have. We need to undo the mistake of the past leadership. We need proper direction as a community before we engage with the SLP team.</p> <p>We as black people do not take each other seriously because if this was a white person addressing us right now, instead of a black person, we would have listened to them.</p> <p>How will the community benefit from the proposed project? The process of relocation started in 2012, to date this process has not been finalised, the past leadership failed to take responsibility to push the mine to relocate us. There was lack of leadership structures previously but thus will be resolved with the current leadership.</p>	Mr Mampuru	<p>Noted. The purpose of these meetings is to provide a platform for communities to raise their concerns about the proposed project. These concerns will be provided to Tharisa for consideration and addressed in the environmental impact assessment report which will be informed by specialist studies. A feedback session will be held to provide feedback on issues raised. The resettlement falls outside the scope of this environmental process. This question has been noted and will be provided to the Tharisa's SLP team for consideration (RM from SLR).</p>
<p>Tharisa also needs to come directly to the people. We know of Thabang Maluke (Tharisa representative) and perhaps he now fears the community and has sent Gordon instead. We need direction from Tharisa. Please provide us with a date of</p>	Thabo Paelwana	

Issue Raised	By Whom	Response
<p>resettlement. We want the directors to come engage with the community themselves.</p> <p>White people that used to live in Mmadithlokwa were given money to relocate. We are assuming that Tharisa would have build another school before the project commences. We are also assuming that the community would also benefit before the project commences. We are willing to relocate provided there are benefits for us as a community.</p>		
<p>You speak about the application that will be submitted for the project; however, operations have already commenced. Tharisa is blasting.</p>	Aubrey Thobejane	<p>Tharisa mine has existing authorisations for their current operations, including the mining of the two open pits which would result in blasting at specified time intervals. The proposed project has not commenced yet and is required to support the continued operation of the mine (RM from SLR).</p>
<p>The WRD will be close to our school. We must benefit from the development. While Tharisa is blasting, Lonmin and Sibanye provide Tharisa with stoff. As a community we are not benefitting.</p>	Gibson Masena	<p>Your comment has been noted and will be addressed as part of the environmental assessment process (RM from SLR).</p>
<p>The constitution states that people need to be the centre in anything that is done. You say you are using NEMA but what about specific environmental management acts? Section 2 of NEMA states that environmental management must always place people and their needs at the forefront of its concerns including physically, psychologically, socially, and culturally. Did Tharisa apply the 7 principles in NEMA? It shows that Tharisa does not care for the people.</p>	Aubrey Thobejane	<p>Noted. The environmental assessment process takes into account specific environmental management acts that are relevant to the project. These would be included as a section in the environmental reports. The principles of NEMA will be applied as part of the environmental assessment process (RM from SLR).</p>
<p>We want the detailed steps that are to be taken by Tharisa when relocating us?</p>	Gibson Masena	<p>Noted, the resettlement falls outside the scope of this environmental process. This question has been noted and will be provided to the Tharisa's SLP team for consideration (RM from SLR).</p>
<p>We want Tharisa to come here to the community so that we can show them the environmental damages directly. What about the relocation issue?</p>	Adam Pele	
<p>Please change the meeting times with the communities from the morning to be at 14:00 or 16:00.</p>	Kedibone Khumalo	<p>Noted, community meetings in future will be scheduled between 14:00-16:00 (RM from SLR).</p>

APPENDIX 2: ATTENDANCE REGISTER

(Refer to signed attendance registers)

APPENDIX 3: PRESENTATION

Project: Thaurisa WRD EIA
 SLR Company: South Africa
 Date: 8 December 2021
 Venue: Mmaditlhokwa Community Centre
 Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Nomvula Rozari	Mmaditlhokwa		076197963	RozariNomvula@gmail.com
Ramatswa Moleya	Paulista	P.O. Box 6972 Rustenburg	0783515998	ramatswaconsultancy@gmail.com
John Salang	Ward 32 Councilor	110 Mmaditlhokwa	0799706126	ClrSalang@Rustenburg.gov.za
Phenelo-mohene	Ward 32	Mmaditlhokwa	049052266	phenelomohene1957@gmail.com
Kenepe Chacki	Ward 32	Mmaditlhokwa	07327968	NA
Hapelo Ghoabane	Ward 32	Mmaditlhokwa 28	0608484152	Hapeloandya23@gmail.com
Mobeka Mdingi	Ward 32	Mmaditlhokwa	0634203088	Mdingi
Linah Bonani	Ward 32	Mmaditlhokwa	072957523	LBonani

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Thabisa WRD EIA
 SLR Company: South Africa
 Date: 8 December 2021
 Venue: Mmaditlhokwa Community Centre
 Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
KOPANO MOTHLWANE Dominant Khosa	MADITLHOKWA Mmaditlhokwa	J23 THABANE	083519723 081818181	KOPANOMotlwane@gmail.com khaioadominant@gmail
Obakeng Thontwane	Mmaditlhokwa	O.g. Obakeng	0635541728	Obakeng.G.mail
Mandla Mkhase	Mmaditlhokwa		0716260884	MandlaMkhase5@gmail.com
Ishmael Nkuna	Mmaditlhokwa		0711885650	ishyntuna2786@gmail.com
Thabo Pelewane	Mmaditlhokwa		0607512721	
Phillip Dlamini	Mmaditlhokwa	D90	0718339186	—
ABRAM NYAWO	Mmaditlhokwa	272	0818934473	nyawoabraham@gmail.com

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Thavisa WRD
 SLR Company: South Africa
 Date: 8 December 2021
 Venue: Mmaditlhokwa Community Centre
 Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Rosina Kuku		105 Mmaditlhokwa	060 1818 293	
DIPHO Modikop		499 Mmaditlh	072 157 3388	
Thene Masedi		76 Mmaditlhokwa	073690967	
Constance Lange		17.30 Mmaditlhokwa	0710760020	
A.P. Madiji		K9 Langany	0609391562	
ML. Mello		117 ROP	0798104627	

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Thaurica WRD EIA

SLR Company: South Africa

Date: 8 December 2021

Venue: Mmaditlhokwa Community Centre

Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Betty George	Community	62 Mmaditlhokwa	0788578844	-
Lokubu Moko	Community	110 Mmaditlhokwa	011 221 2977	
Phindile Baiyi	Community	379 mmaditlhokwa	0782486654	phindilegoodnessr23@gmail.com
Theresia Soso	Community	487 maditlhokwa	0710477866	tsoso
Ishlofelo Moko	Community	110 maditlhokwa	0716750271	-
Sophy Moko	Community	109 maditlhokwa	-	
Gordon Moko	(Mmaditlhokwa) Community	141 PARISA	0633717754	gmokobed@kheriso.com
Ellen Moko	Maditlhokwa	110 maditlhokwa	-	E.M.

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Tharisa WRD EIA
 SLR Company: South Africa
 Date: 8 December 2021
 Venue: Mmaditshokwa Community Centre
 Meeting: Community Centre Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Mangoepe			072 727 0422	
TRYPHINA TIRO			073 594 2384	
viate jonas		508	076387 2229	
Kedibone		04	0724998411	
MANYAMA		14	0791137382	thabisa9manyama3@gmail.com
Adolf Thengwayo			0827344728	
PLATO HLISWANE		508	0607478038	
ISHABALALA PERMISSION		40	083 5957018	Mxexoboy94@gmail.com

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Thalisa WRD EIA

SLR Company: South Africa

Date: 8 December 2021

Venue: Mmaditlhokwa Community Centre

Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Ishego Mofokeng	Maditlhokwa	Marikana 1824	0720925937	mofokengtshego49@gmail.com
Thabiso Mgejane	maditlhokwa	marikana 1768	0823241134	
Pitsofani Ngema	Maditlhokwa	Madikera 1768	0818210679	
Thuywane Clement	Maditlhokwa	Marikana 1768	0663335159	Clementdrovy@gmail.com
Khomoja Phane	Mmaditlhokwa	Marikana	0765677777	

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Tharisa WRD EIA
 SLR Company: South Africa
 Date: 8 December 2021
 Venue: Mmaditlhokwa Community Centre
 Meeting: Community Meetings



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
Dipuo Sendledu	Mmaditlhokwa			
Christina Mbonambi	Mmaditlhokwa			
Sarah Nawe			0719418192	
Matthews Capwe	Mmaditlhokwa		0780813007	
Cebisile	Sikhwaga		0781102091	
Angel Chauke	Mmaditlhokwa		0732167792	
Christinah Mda	Mmaditlhokwa		0717064590	
Seamina Mabung			0760515852	

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Thansa WRD
 SLR Company: South Africa
 Date: 8 December 2021
 Venue: Mmaditlhokwa Community Centre
 Meeting: _____



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
C. Mangane	Community		0825503588	
L.T. Jouas	Community	House 351 Mmaditlhokwa	0728782095	leopold@qmail.com
Mpho Bontsi	Community	177 Mmaditlhokwa	0734215325	
EZEKIEL MISHOYA	Community	Mmaditlhokwa 204	0791726263	
Ruteu Gaboshega		Mmaditlhokwa	0717684778	Ruteu
THEMBA. BALAYI	Community	Mmaditlhokwa MaA	073 9383264	
Isakani Ngobeni	Community	Maliglotwe	0785765806	Tiger
Adan Billy	Community	maliglotwa	-	Adan

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

Project: Tharisa WRO EIA

SLR Company: South Africa

Date: 8 December 2021

Venue: Mmaditlhokwa Community Centre

Meeting: Community Meeting



Name and Surname	Community/Organization	Postal address	Contact numbers	E-mail
LETSATSI SEBOKO	Mmaditlhokwa	129	073 903532	
Gordon Mowona	Mmaditlhokwa	THARISA	0633717754	gmobedi@tharisa.com
Alunani Kangata	Tharisa	Tharisa	083 5018448	akangata@tharis.com
Dirang Tshelane	Mmaditlhokwa		078 659 2207	dirangtshelane3@gmail.com
Orafile Sanku	Mmaditlhokwa		065 6011631	0Sentved@gmail.com
Peter Mashinana	Mmaditlhokwa	THARISA	060 354 9677	76projects98@gmail.com
Aubrey Thobane	11		0799 575 123	aubreywinfried@gmail.com
Mosilo Gomo tsegang	Mmaditlhokwa		076 747 3819	

Note: SLR will use your contact information to communicate future project information and by providing your details on this attendance register it does not mean that you are giving consent for the project.

THARISA MINERALS (PTY) LTD

ADDITIONAL WASTE ROCK STORAGE AT THE THARISA MINE

MINUTES OF MEETINGS WITH FARMERS AND NON-GOVERNMENTAL ORGANISATIONS

DATE	26 December 2022 (15:00)
VENUE:	Microsoft Teams (Virtual meeting)
PROJECT:	Additional Waste Rock Storage at the Tharisa Mine
SLR COMPANY:	SLR Consulting (South Africa) (Pty) Ltd (SLR)
PROJECT NUMBER:	720.20002.00065
PURPOSE:	<p>The purpose of the meeting was to:</p> <ul style="list-style-type: none"> • Provide an overview of the proposed project; • Provide an overview of the environmental assessment process; that is relevant to the proposed project; • Provide an overview of the public participation process; • Provide an overview of the specialist input identified for the proposed project; and • Capture any initial comments and issues for consideration in the assessment process.
ATTENDANCE:	An attendance register is presented in Appendix 2.

1. OPEN AND INTRODUCTION

The meeting was opened by Natasha Smyth (NS) from the SLR Consulting (South Africa) (Pty) Ltd (SLR) who also introduced the SLR team independent Environmental Assessment Practitioners (EAPs) that have been appointed by Tharisa Minerals (Pty) Ltd (Tharisa) to undertake the environmental authorisation process for the proposed project. Carlene Tinderholm (CT) introduced the Tharisa team on the call. NS provided an overview of the purpose of the meeting.

2. PRESENTATION

NS gave a presentation providing an overview of the proposed project and provided information pertaining to the following project components:

- the establishment of a new Waste Rock Dump (WRD) above backfilled portions of the east and west pits; and
- the extension of a previously approved WRD.

NS also outlined the environmental authorisation requirements, the environmental authorisation process, the existing status of the environment, the specialist studies to be undertaken and the public participation process that has been previously undertaken for the proposed project.

A copy of the presentation is included in Appendix 3.

3. DISCUSSION

A number of issues were raised during the meeting. These have been recorded in the table attached as Appendix 1. Where a response was provided the response has been included in the table.

4. THE WAY FORWARD

NS outlined the way forward as follows:

- Specialist work will be initiated.
- SLR will compile a Scoping Report and Environmental Impact Assessment and Environmental Management Programme report (EIA and EMPr) for the proposed project. These reports will be made available to Interested and Affected Parties (I&APs) for review and comment for a period of 30-days.
- A Non-Technical Summary of the Scoping Report and EIA and EMPr's will also be prepared by SLR and will also be distributed to I&APs during the review and comment periods.
- I&APs will be informed of the public review periods via email and SMS notifications.
- I&APs will be able to submit their comments on the reports to SLR in writing via fax, e-mail, SMS or via post.
- The comments made by I&APs will be documented and responded to in the updated reports.
- The updated Reports will be submitted to the Department of Mineral Resources and Energy (DMRE) for decision making.

5. CLOSE

The attendees were thanked, and the meeting was closed by NS.

APPENDIX 1: RECORD OF ISSUES RAISED AND RESPONSES GIVEN

Issue Raised	By Whom	Response (given by NS unless stated otherwise)
Please provide information pertaining to the current groundwater and surface water quality.	Mariette Liefferink (FSE)	The Sterkstroom river is a perennial river. The Scoping Report that will be available in the next two weeks will include all existing monitoring data for the site. The information will include the water quality for both the surface and groundwater in the area and how the current operations influence water quality in the area.
Has the stability of the proposed WRD's been considered?	Mariette Liefferink (FSE)	All of the issues pertaining the stability of the WRD's will be looked at as part of the process. A company called Epoch has been appointed to undertake the detailed design work for the WRD's located in the east and west. Epoch will consider the stability of the proposed WRD's. In addition to this, the design work will be undertaken in accordance with the National Environmental Management Waste Act (NEM: WA) and all the requirements that regulate the design, management and planning for WRD's.
Will the proposed WRD's be lined?	Mariette Liefferink (FSE)	The liner requirements will be considered as part of the detailed design work that is being undertaken by Epoch.
Will the proposed WRD's result in leachate and has there been consideration to acid mine drainage?	Mariette Liefferink (FSE)	As part of the design work, it is standard practice to complete leachate and acid mine drainage investigations.
What is the volume of the proposed WRD's?	Mariette Liefferink (FSE)	West OG WRD is approximately 109 hectares and East OG WRD is approximately 72 hectares. The Scoping Report will include information pertaining to the volumes of each proposed WRD.
What consideration will be given to the fact that Tharisa is located in the Bojanala Priority Area? Will the project result in the need to update an Atmospheric Emissions Licence (AEL) for Tharisa?	Mariette Liefferink (FSE)	<p>Noted. From my understanding, the proposed project would not require any amendment of the AEL but potentially, it could be a source that is included in an AEL for the mine. I will check and provide feedback.</p> <p>We will ensure that consideration to the Bojanala Priority Area forms part of the environmental authorisation process.</p>
In the meeting, it was indicated that an Agricultural Study will be undertaken. Will the proposed project result in	Mariette Liefferink (FSE)	The project does not impact on any agricultural land and the reason that we are commenting on this aspect is because the Department of Forestry, Fisheries, and the Environment (DFFE) Screening Tool requires an Agricultural Study. We do not anticipate that the agricultural aspect will be influenced by the project as no agricultural activities take place in the proposed project areas.

Issue Raised	By Whom	Response (given by NS unless stated otherwise)
the loss of any agricultural land?		
Are the proposed project components located in any Critical Biodiversity Areas (CBA's), National Freshwater Ecosystem Priority Areas (NFEPA) and are any red data species likely to be influenced by the proposed project?	Mariette Liefferink (FSE)	The Scoping Report that will be released in two weeks will include information pertaining to CBS's and whether there are any NFEPAS and red data species that are identified. Yes, there are desktop studies that are available, and that information will be documented in the scoping report and verified by specialists.

APPENDIX 2: ATTENDANCE REGISTER

Name	Interest
Mariette Liefferink	Federation for Sustainable Environment (FSE)
Carlene Tinderholm	Tharisa
Patrick Sibuyi	Tharisa
Pebetse Mabaso	Tharisa
Gordon Mokotedi	Tharisa
Natasha Smyth	SLR
Marline Medallie	SLR
Reinett Mogotshi	SLR
Milisa Rala	SLR

APPENDIX 3: COPY OF PRESENTATION

ADDITIONAL WASTE STORAGE AT THE THARISA MINE

Tharisa Minerals (Pty) Ltd
Stakeholder Engagement Meetings
April 2022

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PURPOSE OF THE MEETING

- To provide an overview of the proposed project.
- To provide an overview of the environmental assessment process relevant to the proposed project.
- To capture any initial comments and issues for consideration in the environmental assessment process.

Further information will be provided as the process moves forward.

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OVERVIEW OF CURRENT OPERATIONS

- Tharisa is a PGM and chrome producer in the Rustenburg Local Municipality and Bojanala District of the North West Province.
- The mine holds existing Environmental Authorisations and licences.
- Mining commenced in 2008 and takes place within 2 mining sections (East Mine and West Mine), separated by the perennial Sterkstrom River and the D1325 (Marikana Road).
- Facilities include open pits, Waste Rock Dumps (WRDs), haul roads, concentrator plant, product handling and loading, Tailings Storage Facilities (TSFs), support facilities and services.

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3

OVERVIEW OF THE PROPOSED PROJECT

Tharisa is proposing to:

- Extend a previously approved WRD – referred to as West Above Ground (W OG WRD).
- Establish waste rock above backfilled portions of the East and West pits – East Above Ground WRD (E OG WRD) and W OG WRD.

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SLR logo

5

MOTIVATION AND ALTERNATIVES

Motivation for the proposed project:

- Additional waste rock storage is required to accommodate ongoing mining operations.
- Already disturbed areas will be used to limit additional clearance and disturbance.
- Sections of backfilled pits will be used to develop above ground waste rock facilities.

Project alternatives:

- No location alternatives have been considered – the proposed WRDs fall within Tharisa's mining right area which is constrained for open space.

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ENVIRONMENTAL AUTHORISATION REQUIREMENTS

- Section 102 application (MPRDA);
- Integrated Environmental Authorisation (NEMA) / Waste Management Licence application (NEM:WA);
- Scoping and Environmental Impact Assessment (S&EIA) (NEMA) and Environmental Management Programme report (EMPr) (MPRDA); and
- Stakeholder engagement process and specialist input.

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ENVIRONMENTAL AUTHORISATION PROCESS

WE ARE HERE ↓

PHASE I Pre-Application Phase (including public participation) | PHASE II Application and Scoping Phase (including commencement of specialist studies) | PHASE III EIA Phase | PHASE IV Competent Authority Decision-Making Phase

Dec 2021 – April 2022 | May 2022 | July/August 2022 | Late 2022

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POTENTIAL IMPACTS IDENTIFIED AND SPECIALIST INPUTS

Aspect	Potential impacts identified at this stage	Specialist Inputs (Where applicable)
Geology	Sterilisation of resources	Qualitatively assessed by EAP
Soils, land capability and agriculture	Physical disturbance and contamination of soil resources, loss of agricultural land	Soils, land capability and agricultural study (informed by field work)
Biodiversity	Physical loss and general disturbance of habitats and species	Terrestrial and aquatic biodiversity study (informed by field work)
Surface water	Contamination and alteration of drainage patterns	Qualitatively assessed by EAP
Groundwater	Contamination of resources	Groundwater study
Heritage/cultural resources	Loss or damage to resources	Heritage study (informed by field work) Palaeontology study (desktop)
Air	Increase in emissions and ambient levels	Air quality study
Noise	Increase in emissions and ambient levels	Noise study
Visual	Contribution to alteration of visual landscape	Visual study (informed by field work)
Socio-economic	Continued operation of the mine.	Qualitatively assessed by EAP

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PUBLIC PARTICIPATION

I&AP and authority notification and consultation

Pre-Application Meeting (DMRE) | Focussed Meeting(s) | Advert, Site Notices, BIDs, Posters | Community Meetings

Email, SMS, Meetings, SLR Website, Data free Website

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PUBLIC PARTICIPATION

Review of the Scoping and EIA (including EMPr) Reports & Decision

Scoping and NTS Distribution | EIA Report (including EMPr) and NTS Distribution | EA Notification Letter (of decision)

Email, SMS, Feedback Meetings, SLR Website, Data free Website

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THANK YOU AND CLOSE

Environmental Assessment Practitioner: Natasha Smyth
Stakeholder Engagement Manager: Reinett Mogotshi
Stakeholder Engagement Assistant: Milisa Rala

SLR Consulting (South Africa) (Pty) Ltd
(011) 467 0945 (Tel) and/or (011) 467 0978 (Fax)
Email: rmogotshi@slrconsulting.com

Thank you for your contribution.

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THARISA MINERALS (PTY) LTD

ADDITIONAL WASTE ROCK STORAGE AT THE THARISA MINE

MINUTES OF MEETINGS WITH LAPOLOGANG COMMUNITY LEADERSHIP

DATE	29 April 2022 (15:00)
VENUE:	Lagoi Roi Lodge Conference Room
PROJECT:	Additional Waste Rock Storage at the Tharisa Mine
SLR COMPANY:	SLR Consulting (South Africa) (Pty) Ltd (SLR)
PROJECT NUMBER:	720.20002.00065
PURPOSE:	<p>The purpose of the meeting was to:</p> <ul style="list-style-type: none"> • provide an updated overview of the proposed project; • provide an updated overview of the environmental assessment process; that is relevant to the proposed project; • provide an overview of the public participation process; and • capture any comments and issues for consideration in the assessment process.
ATTENDANCE:	An attendance register is presented in Appendix 2.

1. OPEN AND INTRODUCTION

The meeting was opened by Gordon Mokotedi (GD) from the Tharisa Minerals (Pty) Ltd (Tharisa) Social and Labour Plan (SLP) team. The rest of the meeting attendees introduced themselves – including the additional members of Tharisa’s SLP team and the representatives from the Lapologang Community Leadership. Natasha Smyth (NS) from the SLR Consulting (South Africa) (Pty) Ltd (SLR) introduced SLR as independent Environmental Assessment Practitioners (EAPs) that have been appointed by Tharisa to undertake the environmental authorisation process for the proposed project. NS provided an overview of the proposed project and explained the updates in the scope.

2. PRESENTATION

NS gave a presentation providing an updated overview of the proposed project and provided information pertaining to the following project components:

- the establishment of a new Waste Rock Dump (WRD) above backfilled portions of the east and west pits; and
- the extension of a previously approved WRD.

NS also outlined the environmental authorisation process, and the public participation process that has been previously undertaken for the proposed project.

A copy of the presentation is included in Appendix 3.

3. DISCUSSION

A number of issues were raised during the meeting. These have been recorded in the table attached as Appendix 1. Where a response was provided the response has been included in the table.

4. THE WAY FORWARD

NS outlined the way forward as follows:

- Specialist work will be initiated.
- SLR will compile a Scoping Report and Environmental Impact Assessment (EIA) and Environmental Management Programme report (EMPr) for the proposed project. These reports will be made available to Interested and Affected Parties (I&APs) for review and comment for a period of 30-days.
- A Non-Technical Summary of the Scoping Report and EIA and EMPr's will also be prepared by SLR and will also be distributed to I&APs during the review and comment periods.
- I&APs will be informed of the public review periods via email and SMS notifications.
- I&APs will be able to submit their comments on the reports to SLR in writing via fax, e-mail, SMS or via post.
- The comments made by I&APs will be documented and responded to in the updated reports.
- The updated Reports will be submitted to the Department of Mineral Resources and Energy (DMRE) for decision making.

5. CLOSE

The attendees were thanked, and the meeting was closed by NS.

APPENDIX 1: RECORD OF ISSUES RAISED AND RESPONSES GIVEN

Issue Raised	By Whom	Response (given by NS unless stated otherwise)
Which public venues can we use to distribute the main Scoping Report and the Non-Technical Summaries (NTS) that people can easily access? Will 100 copies of the NTS be enough?	NS (SLR)	We can use the Midas shop as a place for distribution. We have no libraries or community centres that can be used but the main report can be placed at the Piet Retief Primary School and 100 copied of the NTS should be enough – Lapologang Leadership Community.
There was a previous consultation in Lapologang by a consultancy, did it have anything to do with this project?	Ephraim Makwana (Lapologang Community Leadership)	I am aware of that particular consultation was done, however it was for a different development. That consultation had to do with another company wanting to obtain mineral rights to a portion of land that belongs to Tharisa. – Pebetse Mabaso (Tharisa)
The waste rock dump (WRD) in the west looks close to Lapologang. How will the impacts of dust and blasting affect our community?	Tebogang Makoanjane (Lapologang Community Leadership)	<p>SLR is consulting as a neutral body and as part of their consultation they will note your comments and concerns and submit them to the DMRE as part of the environmental process to get a fair decision about the proposed project from the DMRE. SLR does not have all the answers yet, the report they put together will have more conclusive answers - Pebetse Mabaso (Tharisa)</p> <p>SLR is aware that there are already impacts in the community from existing mining activities. The specialists we appoint will look at the different environmental impacts that are currently affecting the community and how the community will be impacted by the proposed project. This will be informed by specialist studies that will provide answers to the potential impacts. The specialists and SLR will work together to identify ways of managing impacts arising from the proposed project. The final EIA report with all the issues and concerns submitted by interested and affected parties and the specialist reports will all be submitted to the DMRE for decision making purposes (SLR).</p>
In the last community meeting with SLR, the community mentioned that they wanted to be relocated and resettled before the proposed project commenced. What is the update from Tharisa with regards to this issue?	Masisi Plaatjie (Lapologang Community Leadership)	The Scoping Report coming soon will also have that concern noted – Pebetse Mabaso (Tharisa)

APPENDIX 2: ATTENDANCE REGISTER

Name	Interest
Pebetse Mabaso	Tharisa
Gordon Mokotedi	Tharisa
Matome Thoka	Tharisa
Natasha Smyth	SLR
Milisa Rala	SLR
Tebogang Makoanjane	Lapologang Community Leadership
Masisi Plaaitjie	Lapologang Community Leadership
John Selang	Lapologang Community Leadership
Ephraim Makwana	Lapologang Community Leadership

Project: Additional Waste Lock Storage at
 SLR Company: SLR Consulting (South Africa) (Pty) (Ltd)
 Date: 29 April 2022
 Meeting: Lapologang Community Leadership Meeting

Name and Surname	Interest in Project	Postal Address	Contact Numbers	E-mail
Natasha Singh	SLR	PO Box 1596 Cromernew 2060	083 2268570	nshydbast@consulting.com
Milisa Kaha	SLR	PO BOX 1596, Cromernew, 2060	074 0420635	mrata@consulting.com
Matome Thoka	Tharisa	Tharisa Minerals	083 5886976	mtthoka@tharisa.com
Penelope Mokoena	Tharisa	Tharisa Minerals	0760865153	penelope@tharisa.com
Gerdon Mokoena	Tharisa	Tharisa	0633717754	gmedco@tharisa.com
Jebogang Makwanyane			078 6190661	
Phahle Masisi		R7 Lapologang	0609391562	"
John Selang Comen Cui		ward 32	029 97961726	cuslang@intabog.com
Ephram Mokuwa Community		Ward 32	0763955952	Mokuwa@intabog.com

APPENDIX 3: COPY OF PRESENTATION

ADDITIONAL WASTE STORAGE AT THE THARISA MINE

Tharisa Minerals (Pty) Ltd
Stakeholder Engagement Meetings
April 2022

global environmental and advisory solutions

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1

PURPOSE OF THE MEETING

- To provide an overview of the proposed project.
- To provide an overview of the environmental assessment process relevant to the proposed project.
- To capture any initial comments and issues for consideration in the environmental assessment process.

Further information will be provided as the process moves forward.

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2

OVERVIEW OF CURRENT OPERATIONS

- Tharisa is a PGM and chrome producer in the Rustenburg Local Municipality and Bojanala District of the North West Province.
- The mine holds existing Environmental Authorisations and licences.
- Mining commenced in 2008 and takes place within 2 mining sections (East Mine and West Mine), separated by the perennial Sterkstrom River and the D1325 (Marikana Road).
- Facilities include open pits, Waste Rock Dumps (WRDs), haul roads, concentrator plant, product handling and loading, Tailings Storage Facilities (TSFs), support facilities and services.

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3

OVERVIEW OF THE PROPOSED PROJECT

Tharisa is proposing to:

- Extend a previously approved WRD – referred to as West Above Ground (W OG WRD).
- Establish waste rock above backfilled portions of the East and West pits – East Above Ground WRD (E OG WRD) and W OG WRD.

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4

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5

MOTIVATION AND ALTERNATIVES

Motivation for the proposed project:

- Additional waste rock storage is required to accommodate ongoing mining operations.
- Already disturbed areas will be used to limit additional clearance and disturbance.
- Sections of backfilled pits will be used to develop above ground waste rock facilities.

Project alternatives:

- No location alternatives have been considered – the proposed WRDs fall within Tharisa's mining right area which is constrained for open space.

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6

ENVIRONMENTAL AUTHORISATION REQUIREMENTS

- Section 102 application (MPRDA);
- Integrated Environmental Authorisation (NEMA) / Waste Management Licence application (NEM:WA);
- Scoping and Environmental Impact Assessment (S&EIA) (NEMA) and Environmental Management Programme report (EMPr) (MPRDA); and
- Stakeholder engagement process and specialist input.

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ENVIRONMENTAL AUTHORISATION PROCESS

WE ARE HERE ↓

PHASE I Pre-Application Phase (including public participation) | PHASE II Application and Scoping Phase (including commencement of specialist studies) | PHASE III EIA Phase | PHASE IV Competent Authority Decision-Making Phase

Dec 2021 – April 2022 | May 2022 | July/August 2022 | Late 2022

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POTENTIAL IMPACTS IDENTIFIED AND SPECIALIST INPUTS

Aspect	Potential impacts identified at this stage	Specialist Inputs (Where applicable)
Geology	Sterilisation of resources	Qualitatively assessed by EAP
Soils, land capability and agriculture	Physical disturbance and contamination of soil resources, loss of agricultural land	Soils, land capability and agricultural study (informed by field work)
Biodiversity	Physical loss and general disturbance of habitats and species	Terrestrial and aquatic biodiversity study (informed by field work)
Surface water	Contamination and alteration of drainage patterns	Qualitatively assessed by EAP
Groundwater	Contamination of resources	Groundwater study
Heritage/cultural resources	Loss or damage to resources	Heritage study (informed by field work) Palaeontology study (desktop)
Air	Increase in emissions and ambient levels	Air quality study
Noise	Increase in emissions and ambient levels	Noise study
Visual	Contribution to alteration of visual landscape	Visual study (informed by field work)
Socio-economic	Continued operation of the mine.	Qualitatively assessed by EAP

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PUBLIC PARTICIPATION

I&AP and authority notification and consultation

Pre-Application Meeting (DMRE) | Focussed Meeting(s) | Advert, Site Notices, BIDs, Posters | Community Meetings

Email, SMS, Meetings, SLR Website, Data free Website

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10

PUBLIC PARTICIPATION

Review of the Scoping and EIA (including EMPr) Reports & Decision

Scoping and NTS Distribution | EIA Report (including EMPr) and NTS Distribution | EA Notification Letter (of decision)

Email, SMS, Feedback Meetings, SLR Website, Data free Website

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THANK YOU AND CLOSE

Environmental Assessment Practitioner: Natasha Smyth
Stakeholder Engagement Manager: Reinett Mogotshi
Stakeholder Engagement Assistant: Milisa Rala

SLR Consulting (South Africa) (Pty) Ltd
(011) 467 0945 (Tel) and/or (011) 467 0978 (Fax)
Email: rmogotshi@slrconsulting.com

Thank you for your contribution.

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THARISA MINERALS (PTY) LTD

ADDITIONAL WASTE ROCK STORAGE AT THE THARISA MINE

MINUTES OF MEETINGS WITH MMADITLHOKWA COMMUNITY LEADERSHIP

DATE	29 April 2022 (10:00)
VENUE:	Lagoi Roi Lodge Conference Room
PROJECT:	Additional Waste Rock Storage at the Tharisa Mine
SLR COMPANY:	SLR Consulting (South Africa) (Pty) Ltd (SLR)
PROJECT NUMBER:	720.20002.00065
PURPOSE:	<p>The purpose of the meeting was to:</p> <ul style="list-style-type: none"> • provide an updated overview of the proposed project; • provide an updated overview of the environmental assessment process; that is relevant to the proposed project; • provide an overview of the public participation process; and • capture any comments and issues for consideration in the assessment process..
ATTENDANCE:	An attendance register is presented in Appendix 2.

1. OPEN AND INTRODUCTION

The meeting was opened by Gordon Mokotedi (GD) from the Tharisa Minerals (Pty) Ltd (Tharisa) Social and Labour Plan (SLP) team. The rest of the meeting attendees introduced themselves – including the other members of Tharisa’s SLP team and the representatives from the Mmaditlhokwa Community Leadership. Natasha Smyth (NS) from the SLR Consulting (South Africa) (Pty) Ltd (SLR) introduced SLR as independent Environmental Assessment Practitioners (EAPs) that have been appointed by Tharisa to undertake the environmental authorisation process for the proposed project. NS provided an overview of the proposed project and explained the updates to the project scope. GD was asked by the Mmaditlhokwa Community Leadership to translate the rest of the meeting from English to Setswana.

2. PRESENTATION

NS gave a presentation providing an updated overview of the proposed project and provided information pertaining to the following project components:

- the establishment of a new Waste Rock Dump (WRD) above backfilled portions of the east and west pits; and
- the extension of a previously approved WRD.

NS also outlined the environmental authorisation process, and the public participation process that has been previously undertaken for the proposed project.

A copy of the presentation is included in Appendix 3.

3. DISCUSSION

A number of issues were raised during the meeting. These have been recorded in the table attached as Appendix 1. Where a response was provided the response has been included in the table.

4. THE WAY FORWARD

NS outlined the way forward as follows:

- Specialist work will be initiated.
- SLR will compile a Scoping Report and Environmental Impact Assessment (EIA) and Environmental Management Programme report (EMPr) for the proposed project. These reports will be made available to Interested and Affected Parties (I&APs) for review and comment for a period of 30-days.
- A Non-Technical Summary of the Scoping Report and EIA and EMPr's will also be prepared by SLR and will also be distributed to I&APs during the review and comment periods.
- I&APs will be informed of the public review periods via email and SMS notifications.
- I&APs will be able to submit their comments on the reports to SLR in writing via fax, e-mail, SMS or via post.
- The comments made by I&APs will be documented and responded to in the updated reports.
- The updated Reports will be submitted to the Department of Mineral Resources and Energy (DMRE) for decision making.

5. CLOSE

The attendees were thanked, and the meeting was closed by NS.

APPENDIX 1: RECORD OF ISSUES RAISED AND RESPONSES GIVEN

Issue Raised	By Whom	Response (given by NS unless stated otherwise)
The proposed infrastructure is close to the Lapologang community. There are already existing mining activities that affect the community e.g., noise pollution from the blasting and dust – how do you as a consultant expect that the new infrastructure will affect us?	John Salang (Mmaditlhokwa Community Leadership)	As part of the process, we appoint specialists to better understand the current environmental impacts and how the communities are being impact by the current mining activities. In addition to this, how the proposed project will influence the current status of the environment will be investigated with input from specialists. We are aware of that there are current impacts affecting the communities.
On the west operations of the mine, I see that there is proposed backfilling in the pits. How was the rehabilitation done for the pit in the east?	John Salang (Mmaditlhokwa Community Leadership)	It is a process that still needs to be done – Pebetse Mabaso (Tharisa)
How can the community members benefit from this proposed project?	Godfrey Sedimerd (Mmaditlhokwa Community Leadership)	We are still in the first phase of the project and the purpose of the first stage is to show that Tharisa is consulting with interested and affected parties on what Tharisa is planning to develop. From my understanding of the project, there will not be that many opportunities relating to jobs. We have noted this concern for you - Pebetse Mabaso (Tharisa)
From my understanding a waste rock dump (WRD) should have a tailings facility in close proximity to it and this proposed WRD in the west does not have one close to it. As consultants, you should advise Tharisa.	Shepard Mampuru (Mmaditlhokwa Community Leadership)	There was a plan to build a new tailings facility close to the WR, however, it has been removed from our (SLR) scope as the design and the planning for the tailing’s facility has not progressed far enough in order to be included in this environmental authorisation process.
Which public venues can we use to distribute the main Scoping Report and the Non-Technical Summaries (NTS) that people can easily access?	NS (SLR)	We can use: <ul style="list-style-type: none"> • Piet Retief Primary School; • The Community Office in Mmaditlhokwa; and • The Public Library (RCC).

Issue Raised	By Whom	Response (given by NS unless stated otherwise)
<p>In the past we have had a big report (the main report) that stays at the venue and can be accessed within the venue and then we print out as many of the NTS for the community. We will prepare the NTS in English and Setswana.</p>		<p>The main reports and NTS sounds like a good idea.</p> <ul style="list-style-type: none"> - John Sadey (Mmaditlhokwa Community Leadership)
<p>Which road will be used to access the new development?</p>	<p>Godfrey Sedimerd (Mmaditlhokwa Community Leadership)</p>	<p>Internal roads that are already being used will be used to access to the new developments – Pebetse Mabaso (Tharisa)</p>
<p>Community members close to the mine have had issues with the impacts from mining activities.</p>	<p>Tseere Mokwala (Mmaditlhokwa Community Leadership)</p>	<p>The consultation process by the EAPs also is to ensure that Tharisa consults with surrounding interested and affected parties with regards to the proposed project and note their comments and concerns. The next phase includes the appointment of specialist to assess the impacts of the proposed development and a document will be shared at a later stage with all the specialist findings – Pebestse Mabaso (Tharisa)</p> <p>The Scoping Report that will come out in two weeks will record all the issues that communities have raised to date and highlights the specialist studies that will be done for the proposed development. The second report (EIA report) will provide the answers. Interested and affected communities can engage (via email, telephone, via the post) with SLR at any time during the environmental authorisation process with issues and concerns and these issues will be recorded – NS (SLR)</p>
<p>How long with these reports take as I do not want to agree or form an opinion, yet. I will engage further on issues after the Scoping Report.</p>	<p>Tseere Mokwala (Mmaditlhokwa Community Leadership)</p>	<p>The Scoping Report will be distributed next week and phase three (3), which is the EIA report, will be distributed by August.</p>
<p>Will people be relocated near the west of the WRD as they seem to be affected?</p>	<p>Shepard Mampuru (Mmaditlhokwa Community Leadership)</p>	<p>The report will give the mine an indication of what needs to happen in terms of relocation. The map you have in front of you is still a plan as we are in the planning phase and is not an entirely true representation of what may happen - Pebetse Mabaso (Tharisa)</p> <p>The communities must take these reports and consultations seriously – Pebetse Mabaso (Tharisa)</p>

Issue Raised	By Whom	Response (given by NS unless stated otherwise)
		It is also important as consultants we want the decision-making authority DMRE to know how you feel about the proposed project and the impacts the project will have from the specialist findings – NS (SLR)

APPENDIX 2: ATTENDANCE REGISTER

Name	Interest
Pebetse Mabaso	Tharisa
Gordon Mokotedi	Tharisa
Matome Thoka	Tharisa
Natasha Smyth	SLR
Milisa Rala	SLR
Linah Sindi	Mmaditlhokwa Community Leadership
Shepard Mampuru	Mmaditlhokwa Community Leadership
Tseere Mokwala	Mmaditlhokwa Community Leadership
Godfrey Sedimerd	Mmaditlhokwa Community Leadership
John Salang	Mmaditlhokwa Community Leadership

Project: Additional Waste Rock Storage at The Tharisa Mine
 SLR Company: SLR Consulting (South Africa) (Pty) Ltd

Date: 29 April 2022

Meeting: Mmaditshokwa Community Leadership Meeting *CPM MADI TSHOKWA* *FIRST LESSON*

Name and Surname	Interest in Project	Postal Address	Contact Numbers	E-mail
Natasha Smyth	SLR	PO Box 1596 Cramerville, 2060	083 2268570	nsmyth@slrconsulting.com
Milisa Rala	SLR	PO Box 1596 Cramerville, 2060	074 042 0635	mrala@slrconsulting.com
SPON MOKWEDI	THARISA	THARISA MINERALS	0633717754	gmokebela@tharisa.com
LIMAH SADI	Community member	115 Mmaditshokwa	0712761 530	linahditsepe@gmail.com
Shephard Mampuru	Community Member	Mmaditshokwa Village	066 3565 288	Shephard.Mampuru@gmail.com
Tseere Mokwena	Community Member	119 Mmaditshokwa	076 563 9017	softto uci.9c@gmail.com
Geoffrey Sedmele	Community member	502 Mmaditshokwa	0797029507	—
John Seloy	CLX ward 82	40 mine & fuel Sector 09	039 9796 126	curialong@jane
Matome Thaba	Tharisa	Tharisa Minerals	083 588 6976	mthoka@tharisa.com
Pebete Mokoena	Tharisa	Tharisa minerals	076 0865153	pmokoena@tharisa.com

APPENDIX 3: COPY OF PRESENTATION

ADDITIONAL WASTE STORAGE AT THE THARISA MINE

Tharisa Minerals (Pty) Ltd
Stakeholder Engagement Meetings
April 2022

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1

PURPOSE OF THE MEETING

- To provide an overview of the proposed project.
- To provide an overview of the environmental assessment process relevant to the proposed project.
- To capture any initial comments and issues for consideration in the environmental assessment process.

Further information will be provided as the process moves forward.

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2

OVERVIEW OF CURRENT OPERATIONS

- Tharisa is a PGM and chrome producer in the Rustenburg Local Municipality and Bojanala District of the North West Province.
- The mine holds existing Environmental Authorisations and licences.
- Mining commenced in 2008 and takes place within 2 mining sections (East Mine and West Mine), separated by the perennial Sterkstrom River and the D1325 (Marikana Road).
- Facilities include open pits, Waste Rock Dumps (WRDs), haul roads, concentrator plant, product handling and loading, Tailings Storage Facilities (TSFs), support facilities and services.

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OVERVIEW OF THE PROPOSED PROJECT

Tharisa is proposing to:

- Extend a previously approved WRD – referred to as West Above Ground (W OG WRD).
- Establish waste rock above backfilled portions of the East and West pits – East Above Ground WRD (E OG WRD) and W OG WRD.

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4

SLR

5

MOTIVATION AND ALTERNATIVES

Motivation for the proposed project:

- Additional waste rock storage is required to accommodate ongoing mining operations.
- Already disturbed areas will be used to limit additional clearance and disturbance.
- Sections of backfilled pits will be used to develop above ground waste rock facilities.

Project alternatives:

- No location alternatives have been considered – the proposed WRDs fall within Tharisa's mining right area which is constrained for open space.


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ENVIRONMENTAL AUTHORISATION REQUIREMENTS

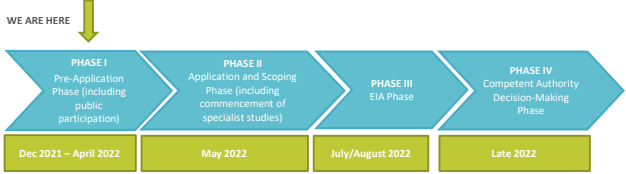
- Section 102 application (MPRDA);
- Integrated Environmental Authorisation (NEMA) / Waste Management Licence application (NEM:WA);
- Scoping and Environmental Impact Assessment (S&EIA) (NEMA) and Environmental Management Programme report (EMPr) (MPRDA); and
- Stakeholder engagement process and specialist input.

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ENVIRONMENTAL AUTHORISATION PROCESS

WE ARE HERE ↓



PHASE I Pre-Application Phase (including public participation) | PHASE II Application and Scoping Phase (including commencement of specialist studies) | PHASE III EIA Phase | PHASE IV Competent Authority Decision-Making Phase


Dec 2021 – April 2022 | May 2022 | July/August 2022 | Late 2022

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POTENTIAL IMPACTS IDENTIFIED AND SPECIALIST INPUTS

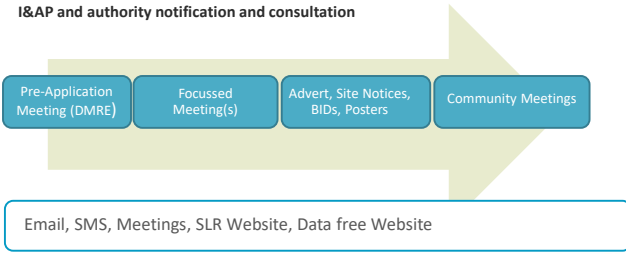
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Geology	Sterilisation of resources	Qualitatively assessed by EAP
Soils, land capability and agriculture	Physical disturbance and contamination of soil resources, loss of agricultural land	Soils, land capability and agricultural study (informed by field work)
Biodiversity	Physical loss and general disturbance of habitats and species	Terrestrial and aquatic biodiversity study (informed by field work)
Surface water	Contamination and alteration of drainage patterns	Qualitatively assessed by EAP
Groundwater	Contamination of resources	Groundwater study
Heritage/cultural resources	Loss or damage to resources	Heritage study (informed by field work) Palaeontology study (desktop)
Air	Increase in emissions and ambient levels	Air quality study
Noise	Increase in emissions and ambient levels	Noise study
Visual	Contribution to alteration of visual landscape	Visual study (informed by field work)
Socio-economic	Continued operation of the mine.	Qualitatively assessed by EAP

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PUBLIC PARTICIPATION

I&AP and authority notification and consultation



Pre-Application Meeting (DMRE) | Focussed Meeting(s) | Advert, Site Notices, BIDs, Posters | Community Meetings

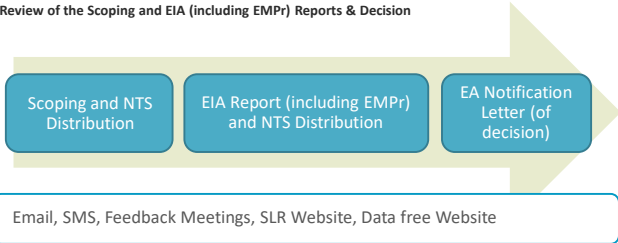
Email, SMS, Meetings, SLR Website, Data free Website

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PUBLIC PARTICIPATION

Review of the Scoping and EIA (including EMPr) Reports & Decision



Scoping and NTS Distribution | EIA Report (including EMPr) and NTS Distribution | EA Notification Letter (of decision)

Email, SMS, Feedback Meetings, SLR Website, Data free Website

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THANK YOU AND CLOSE

Environmental Assessment Practitioner: Natasha Smyth
Stakeholder Engagement Manager: Reinett Mogotshi
Stakeholder Engagement Assistant: Milisa Rala

SLR Consulting (South Africa) (Pty) Ltd
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Thank you for your contribution.

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THARISA MINERALS (PTY) LTD

ADDITIONAL WASTE ROCK STORAGE AT THE THARISA MINE

MINUTES OF MEETINGS WITH BOKAMOSO COMMUNITY LEADERSHIP

DATE	4 May 2022 (10:30)
VENUE:	Microsoft Teams (Virtually)
PROJECT:	Additional Waste Rock Storage at the Tharisa Mine
SLR COMPANY:	SLR Consulting (South Africa) (Pty) Ltd (SLR)
PROJECT NUMBER:	720.20002.00065
PURPOSE:	<p>The purpose of the meeting was to:</p> <ul style="list-style-type: none"> • provide an updated overview of the proposed project; • provide an updated overview of the environmental assessment process; that is relevant to the proposed project; • provide an overview of the public participation process; and • capture any comments and issues for consideration in the assessment process.
ATTENDANCE:	An attendance register is presented in Appendix 2.

1. OPEN AND INTRODUCTION

The meeting was opened by Natasha Smyth (NS) from SLR Consulting (South Africa) (Pty) Ltd (SLR). The rest of the meeting attendees introduced themselves – including the additional members of Tharisa Minerals (Pty) Ltd (Tharisa)'s Social and Labour Plan (SLP) team and the representatives from the Bokamoso Community Leadership. NS finally introduced SLR as independent Environmental Assessment Practitioners (EAPs) that have been appointed by Tharisa to undertake the environmental authorisation process for the proposed project. NS provided an overview of the proposed project and explained the updates in the scope.

2. PRESENTATION

NS gave a presentation providing an updated overview of the proposed project and provided information pertaining to the following project components:

- the establishment of a new Waste Rock Dump (WRD) above backfilled portions of the east and west pits; and
- the extension of a previously approved WRD.

NS also outlined the the environmental authorisation process and the public participation process that has been previously undertaken for the proposed project.

A copy of the presentation is included in Appendix 3.

3. DISCUSSION

A number of issues were raised during the meeting. These have been recorded in the table attached as Appendix 1. Where a response was provided the response has been included in the table.

4. THE WAY FORWARD

NS outlined the way forward as follows:

- Specialist work will be initiated.
- SLR will compile a Scoping Report and Environmental Impact Assessment (EIA) and Environmental Management Programme report (EMPr) for the proposed project. These reports will be made available to Interested and Affected Parties (I&APs) for review and comment for a period of 30-days.
- A Non-Technical Summary of the Scoping Report and EIA and EMPr's will also be prepared by SLR and will also be distributed to I&APs during the review and comment periods.
- I&APs will be informed of the public review periods via email and SMS notifications.
- I&APs will be able to submit their comments on the reports to SLR in writing via fax, e-mail, SMS or via post.
- The comments made by I&APs will be documented and responded to in the updated reports.
- The updated Reports will be submitted to the Department of Mineral Resources and Energy (DMRE) for decision making.

5. CLOSE

The attendees were thanked, and the meeting was closed by NS.

APPENDIX 1: RECORD OF ISSUES RAISED AND RESPONSES GIVEN

Issue Raised	By Whom	Response (given by NS unless stated otherwise)
Which public venues can we use to distribute the main Scoping Report and the Non-Technical Summaries (NTS) that people can easily access? Will 100 copies of the NTS be enough?	NS (SLR)	The Bokamoso Community Hall can be used to place the main Scoping Report and the NTS can also be distributed from the community hall by the Unemployment Forum (UF) members, as it is the most central place. A total of 150 copies of the NTS can be printed to be distributed in the community – Samuel Mamphuru (Ward Councillor).
What are the common languages that are spoken within the Bokamoso community that the NTS can be translated to?	Pebetse Mabaso (Tharisa)	The most common languages spoken in Bokamoso are isiXhosa and Setswana - Samuel Mamphuru (Ward Councillor).
We can split the NTS equally – i.e., 50 copies of the NTS in isiXhosa, 50 copies in Setswana and 50 copies in English.	NS (SLR)	Noted.
Are there still opportunities to add my comments on the project?	Mr Jali (Bokamoso Community Leadership)	Yes, there are, even though we are still in phase one, there will be plenty of opportunities to submit your comments and concerns about the proposed project to SLR. During the entire environmental process that SLR is running, you can submit your comments and concerns at any time. The NTS will have a comments sheet at the back of document that can be used to write down the comments and concerns you may have. Once the public review period is complete, we can organise for these sheets to be collected.
Natasha, can you please forward the map detailing the new layout and the PowerPoint presentation you just presented so that we can circulate it to the Bokamoso Leadership?	Pebetse Mabaso (Tharisa)	Noted. We will contact the Bokamoso Community Leadership with regards to the details for collecting the comments sheets with their comments on the proposed project. In terms of legislation the community will have a 30-day review period to make your comments.
We as a community are still waiting to address Tharisa with regards to SLP related issues.	Samuel Mamphuru (Ward Councillor)	Please note that the SLP for Tharisa is separate to this consultation with SLR. There will be time allocated for the issues that are outside the scope of this project – Pebetse Mabaso (Tharisa)

tharisa

ATTENDANCE REGISTER

TITLE: SLP, THARISA A MABO 27 (BOKAMOSO) WASTE PICK MEETING

DATE OF MEETING: 04 WED 2022
 TIME: 10H00
 VENUE: QUARANTINE

Name and Surname	Company No	Designation	Contact Number	Signature
GORDON MOKOTED	MOK 055	SLP - C.L.O	0633717754	
Peletse Mabisa	MAB 016	SLP manager	0760865153	
THAPEZO MHLABA	unemployment	secretary	0768808557	
Zanokhanya Badub		WED Committee	0119062270	
Clifford Soloka		unemployment leader	0786731267	
Matome Thopa	THO 022	SLP Coordinator	0145720939	

APPENDIX 2: ATTENDANCE REGISTER

Name	Interest
Pebetse Mabaso	Tharisa
Gordon Mokotedi	Tharisa
Matome Thoka	Tharisa
Natasha Smyth	SLR
Milisa Rala	SLR
Samuel Mamphuru	Bokamoso Community Leadership (Ward Councillor)
Thapelo	Bokamoso Community Leadership (Unemployment Forum)
Mr Jali	Bokamoso Community Leadership
Clifford Cylinder	Bokamoso Community Leadership

APPENDIX 3: COPY OF PRESENTATION

ADDITIONAL WASTE STORAGE AT THE THARISA MINE

Tharisa Minerals (Pty) Ltd
Stakeholder Engagement Meetings
April 2022

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PURPOSE OF THE MEETING

- To provide an overview of the proposed project.
- To provide an overview of the environmental assessment process relevant to the proposed project.
- To capture any initial comments and issues for consideration in the environmental assessment process.

Further information will be provided as the process moves forward.

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OVERVIEW OF CURRENT OPERATIONS

- Tharisa is a PGM and chrome producer in the Rustenburg Local Municipality and Bojanala District of the North West Province.
- The mine holds existing Environmental Authorisations and licences.
- Mining commenced in 2008 and takes place within 2 mining sections (East Mine and West Mine), separated by the perennial Sterkstrom River and the D1325 (Marikana Road).
- Facilities include open pits, Waste Rock Dumps (WRDs), haul roads, concentrator plant, product handling and loading, Tailings Storage Facilities (TSFs), support facilities and services.

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OVERVIEW OF THE PROPOSED PROJECT

Tharisa is proposing to:

- Extend a previously approved WRD – referred to as West Above Ground (W OG WRD).
- Establish waste rock above backfilled portions of the East and West pits – East Above Ground WRD (E OG WRD) and W OG WRD.

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SLR logo

5

MOTIVATION AND ALTERNATIVES

Motivation for the proposed project:

- Additional waste rock storage is required to accommodate ongoing mining operations.
- Already disturbed areas will be used to limit additional clearance and disturbance.
- Sections of backfilled pits will be used to develop above ground waste rock facilities.

Project alternatives:

- No location alternatives have been considered – the proposed WRDs fall within Tharisa's mining right area which is constrained for open space.

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ENVIRONMENTAL AUTHORISATION REQUIREMENTS

- Section 102 application (MPRDA);
- Integrated Environmental Authorisation (NEMA) / Waste Management Licence application (NEM:WA);
- Scoping and Environmental Impact Assessment (S&EIA) (NEMA) and Environmental Management Programme report (EMPr) (MPRDA); and
- Stakeholder engagement process and specialist input.

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7

ENVIRONMENTAL AUTHORISATION PROCESS

WE ARE HERE ↓

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POTENTIAL IMPACTS IDENTIFIED AND SPECIALIST INPUTS

Aspect	Potential impacts identified at this stage	Specialist Inputs (Where applicable)
Geology	Sterilisation of resources	Qualitatively assessed by EAP
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Socio-economic	Continued operation of the mine.	Qualitatively assessed by EAP

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PUBLIC PARTICIPATION

I&AP and authority notification and consultation

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10

PUBLIC PARTICIPATION

Review of the Scoping and EIA (including EMPr) Reports & Decision

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THANK YOU AND CLOSE

Environmental Assessment Practitioner: Natasha Smyth
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