

## Record of telephone discussion

**To:** Dr Shan Holmes **Tel No.:** 082-865-5044

**Company:** Buffelspoort Action Group

**From:** Alex Pheiffer **At:** SLR Africa

**Date:** 20 March 2014 at 09h30 **Ref:** T014-12/710.20002.00012

**Subject:** Public consultation process for Tharisa's EIA and EMP process

Ms Alex Pheiffer of SLR contacted Dr Shan Holmes regarding the Buffelspoort Action Group's involvement in the revised scoping process for the Tharisa project.

Dr Holmes raised a number of issues, these are recorded below.

- This process is wasting IAPs time, energy and money. IAPs are not prepared to consider anything more until the mine is fully compliant.
- Environmental assessment practitioners (EAPs) doing additional work for a mine when the mine is already in non-compliance is unacceptable. In this way, EAPs facilitate the mine to continue illegal operations. The role and function that EAPs play and the professional ethics of EAPs is in question. Young professionals need to act correctly and not facilitate illegal operations. The EIA methodology has been abused and this is a crying shame.
- There is a body of material evidence that shows that input from IAPs is not taken into consideration in the process. Irrelevant information is cut and pasted into documents.
- The Madithlokwa community which is directly affected by the mine is a poor community and the mine rides over them because the community does not have the time, money, energy or professional resources to protect themselves. They breathe, eat and drink mine pollution.
- The Marikana incident did not happen because of the strikes; mining communities are in distress. Input is provided to the communities on social issues. The platinum mining belt is on a knife edge; the area has been violated. The Marikana massacre was not a surprise.
- Has the operation and the expansion project taken into account climate change?
- People need to be addressed formally by their titles and not by their first names, including Dr Holmes.

It was agreed that SLR will not conduct any further consultation with her or the constituents she represents from the Buffelspoort Action Group until a follow on discussion in 2 weeks' time, where she will indicate how she would like SLR and Tharisa to consult with her and her constituents as part of this scoping process.

## Record of telephone discussion

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**To:** Alet Swanepoel **Tel No.:** 071 642 9521

**Company:** Marikana Eco Forum

**From:** Stella Moeketse **At:** SLR Africa

**Date:** 07 March 2014 at 11h30 **Ref:** TO14-12/710.20002.00012

**Subject:** Public consultation process for Tharisa's EIA and EMP process

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Ms Stella Moeketse of SLR contacted Ms Alet Swanepoel regarding the Marikana Eco Forum's (MEF) involvement in the revised scoping process for the Tharisa project.

Ms Alet Swanepoel responded as outlined below

- MEF received the newsletter and is interested in having a focused meeting with SLR however, she as the key contact person for MEF still needs to consult with other members of MEF as well as Dr Shan Holmes before issuing comments from MEF
- MEF's comments will be e-mailed to SLR sometime over the weekend failing which; they will be -emailed early in the coming week.

It was agreed that SLR will await MEF's comments.

## Record of telephone discussion

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**To:** Appearance Ndlovu **Tel No.:** 081 862 1608

**Company:** Ward Councillor: Rustenburg Local Municipality Ward No.:32

**From:** Stella Moeketse **At:** SLR Africa

**Date:** 07 March 2014 at 14h30 **Ref:** T014-12/710.20002.00012

**Subject:** Public consultation process for Tharisa's EIA and EMP process

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Ms Stella Moeketse of SLR contacted Mr Appearance Ndlovu (Ward Councillor) regarding his office and community's involvement in the revised scoping process for the Tharisa project.

Mr Appearance Ndlovu responded as outlined below

- Due to the scale of the discussed changes in the project scope, there is no need for SLR to meet with Silver City, Tsilong and Lapologang communities; SLR should only meet with the ward committee for Ward No.: 32.
- The ward committee will share information pertaining to the change in project scope with its community.
- The ward committee will need seven days' notice so that all the relevant members can avail themselves.

It was agreed that SLR will contact the ward councillor to confirm the date for the meeting.

## Record of telephone discussion

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**To:** Rosina Mothlasedi **Tel No.:** 072 134 8964

**Company:** Ward Councillor: Rustenburg Local Municipality Ward No.:31

**From:** Stella Moeketse **At:** SLR Africa

**Date:** 07 March 2014 at 14h45 **Ref:** T014-12/710.20002.00012

**Subject:** Public consultation process for Tharisa's EIA and EMP process

Ms Stella Moeketse of SLR contacted Ms Rosina Mothlasedi (Ward Councillor) regarding her office and community's involvement in the revised scoping process for the Tharisa project.

Ms Rosina Mothlasedi responded as outlined below

- She was in agreement with councillor Appearance Ndlovu (Ward No.:32) that due to the scale of the discussed changes in the project scope, there was no need for SLR to meet with Silver City, Tsilong and Lapologang communities; SLR should only meet with the ward committee for Ward No.: 32
- She would also like her committee to be part of this meeting
- The ward committee will share information pertaining to the change in project scope with its community.
- The ward committee will need seven days' notice so that all the relevant members can avail themselves.

It was agreed that SLR will contact the ward councillor to confirm the date for the meeting.

## Record of telephone discussion

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**To:** Appearance Ndlovu **Tel No.:** 081 862 1608

**Company:** Ward Councillor: Rustenburg Local Municipality Ward No.:32

**From:** Stella Moeketse **At:** SLR Africa

**Date:** 18 March 2014 at 15h30 **Ref:** T014-12/710.20002.00012

**Subject:** Public consultation process for Tharisa's EIA and EMP process

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Ms Stella Moeketse of SLR contacted Mr Appearance Ndlovu (Ward Councillor) to confirm the date for the meeting.

Mr Appearance Ndlovu responded as outlined below

- Wednesday the 26<sup>th</sup> of March at 09h00 will be the ideal time for the meeting
- The meeting should be held at Marikana Regional Community Centre
- The ward councillor will book the venue for the meeting.

It was agreed that SLR will contact the ward councillor the following day to confirm that the venue has been booked.

## Record of telephone discussion

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**To:** Rosina Mothlasedi **Tel No.:** 072 134 8964

**Company:** Ward Councillor: Rustenburg Local Municipality Ward No.:31

**From:** Stella Moeketse **At:** SLR Africa

**Date:** 07 March 2014 at 14h45 **Ref:** T014-12/710.20002.00012

**Subject:** Public consultation process for Tharisa's EIA and EMP process

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Ms Stella Moeketse of SLR contacted Ms Rosina Mothlasedi (Ward Councillor) to confirm the date for the meeting.

Ms Rosina Mothlasedi responded as follows:

- Wednesday the 26<sup>th</sup> of March at 09h00 will be fine and that her ward committee will attend the meeting.

It was agreed that SLR representatives will meet the members of ward 31 committee at Marikana Regional Community Centre on the above-mentioned date.



**THARISA MINERALS (PTY) LTD  
CHANGES TO INFRASTRUCTURE AND OPERATIONS AT THE MINE**

**WARD 31 AND 32 COMMITTEES FOCUSED SCOPING MEETING**

<b>DATE</b>	09h30, 26 March 2014
<b>VENUE:</b>	Marikana Regional Community Centre
<b>PROJECT NUMBER:</b>	710.20002.00012
<b>PURPOSE:</b>	The purpose of the meeting was to: provide the members of the ward committees with the proposed changes to the project scope and an update on the environmental process and to raise and record any additional comments or issues.
<b>ATTENDANCE:</b>	See Appendix 1

**1. OPEN AND INTRODUCTION**

Alex Pheiffer from SLR Consulting (Africa) (Pty) Ltd (SLR) opened the meeting and introduced Stella Moeketse from SLR and Thulani Ntshanga from Tharisa Minerals (Pty) (Tharisa). Apologies were received from ward councillors Appearance Ndlovu (Ward 32) and Rosina Mothlasedi (Ward 31).

**2. PRESENTATION ON THE ENVIRONMENTAL IMPACT ASSESSMENT PROCESS**

Alex Pheiffer outlined the changes to the project scope and the related environmental assessment process followed as outlined in the presentation. A copy of the presentation is attached in Appendix 2.

**3. DISCUSSION**

All the issues that were raised in the meeting have been recorded in Table 1 below. Where a response was provided this has also been included in the table.

**Table 1: Issues raised by IAPs and the response given by the project team**

<b>Issue</b>	<b>Raised by whom</b>	<b>Response given by the project team</b>
<b>Process related issues</b>		
We would like SLR to leave a copy of the scoping report and summaries at Marikana Library for public review and comment.	Nomxolisi Malokoloko	Your comment has been noted. SLR will do as requested. (SLR)
<b>Heritage Resources related issues</b>		
What does relocation of graves mean? Does it mean the deceased will be re-buried at a new site?	Nomxolisi Malokoloko	Yes, they will be re-buried at a new site. Tharisa has been busy with the legal processes that relate to the relocation of graves and it is about to conclude the process. The relocation will commence immediately thereafter. Tharisa has been in close communication with the families of the deceased as well as the relevant regulatory authorities such as the Department of Economic

Issue	Raised by whom	Response given by the project team
		Development, Environment, Conservation and Tourism (DEDECT) as well as Rustenburg Local Municipality. (Tharisa)
<b>Air quality related issues</b>		
How is Tharisa planning on managing dust from the waste rock dumps (WRDs), particularly the central WRD which is located near communities and the school?	Eric Mathebula	Tharisa currently uses water suppressants to minimise dust at its operations. Tharisa also plans on putting up a top soil berm around the WRD to minimise noise and visual impacts that are associated with the WRD. The berm is also expected to address air quality issues to a certain extent. (SLR)
<b>Social related issues</b>		
Lapologang community once raised issues pertaining to their houses cracking due to blasting activities at Tharisa as well as issues around blasting fumes. Does anyone know what the feedback from Tharisa regarding these issues was?	Eric Mathebula	Tharisa undertook additional air quality monitoring and results showed that there were no issues. Furthermore, a household survey was undertaken to ensure that baseline information was captured prior to undertaking blasting activities. These reports/findings were communicated by Tharisa to the community leadership.
It looks like community leadership does not share information with the rest of the community. Ward councillor and committee members need to start giving community feedback from the various meetings that we hold with our community.		Your comment has been noted.
Tharisa seems to be giving Madithlokwa preferential treatment and side-lines Marikana West. Marikana West community would like to be given a fair chance when it comes to job opportunities at Tharisa.	Nomxolisi Malokoloko	Tharisa notes your comment.
I think most of the people who complain about limited job opportunities at Tharisa are mainly people who were not born in this area, mainly work at Lonmin and are complaining on behalf of their friends and/ or family members who have been advised to come look for jobs in the Marikana area.	Siphokazi Mtande	Your comment has been noted.

#### 4. WAY FORWARD

The way forward is as follows:

- Copies of the scoping report and the EIA/ EMP report and the related summaries (English and Setswana) will be made available for public review at the Marikana Library. Electronic copies of the reports will also be made available on request.
- Additional comments should be sent in writing to SLR or be left at Tharisa Offices (with Thulani Ntshanga) for SLR's collection.
- All the registered IAPs who have provided SLR with their postal addresses, e-mail addresses and mobile numbers will receive notification of the developments in the project and the record of decision.

#### 5. CLOSE

Alex Pheiffer thanked everyone present for the input and closed the meeting.



## APPENDIX 1: ATTENDANCE REGISTER


Name and surname	Interest in the project	Postal Address	Contact Numbers & Email
Stella Moeketse	SLR Consulting	P O Box 1596 Cramerview 2060	<a href="mailto:smoeketse@slrconsulting.com">smoeketse@slrconsulting.com</a> 011 467 0945
Alex Pheiffer			<a href="mailto:apheiffer@slrconsulting.com">apheiffer@slrconsulting.com</a> 011 467 0945
Thulani Ntshanga	Tharisa Minerals		<a href="mailto:tntshanga@tharisa.com">tntshanga@tharisa.com</a> 083 237 6040
Johannah Maphosa	Ward 32 Committee Member Women and Children Portfolio		071 546 9515
Nomxolisi Malokoloko	Ward 32 Committee Member Infrastructure Portfolio	P O Box 644 Marikanana 0284	077 316 6077
Collins Mathebula	Ward 32 Committee Member Secretary	P O Box 67 Marikana 0284	<a href="mailto:Collinsfarmer@gmail.com">Collinsfarmer@gmail.com</a> 072 285 9643
Eric Mondleki	Ward 32 Committee Member	550 Marikana West	083546 0091
Lena Legodi	Ward 32 Committee Member	688 Marikana	076 365 3757
Siphokazi Mtande	Ward 32 Committee Member Sport, Arts & Culture Portfolio		071 814 7200
Jones Ratshago	Ward 32 Committee Member LED Portfolio	House No 327	071238 4837

## APPENDIX 2: PRESENTATION

**THARISA MINERALS (PTY) LTD  
EIA and EMP AMENDMENT**


**SCOPING MEETING  
UPDATE ON PROJECT AND ENVIRONMENTAL  
ASSESSMENT PROCESS**

26 March 2014

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**AGENDA**

- Registration
- Welcome and opening
- Project overview
- Environmental process overview
- Questions / Comments
- Close

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**PURPOSE OF TODAY'S MEETING**

- Outline changes in project scope
- Provide an update on the environmental assessment process
- Raise and record any additional comments or issues

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**ENVIRONMENTAL PROCESS**

**What?**

- Assessment of the potential impacts of the project components on the environment
- Identifying appropriate management measures

**Why?**


- Legal requirement and it is the right thing to do

**Different stages?**

- Scoping phase, revisited to address project scope changes
- Environmental impact assessment and Environmental management programme phase


**How?**

- Participation of interested and/or affected parties
- Reporting
- Decision making by key authorities

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### PROJECT BACKGROUND

- **EIA and EMP amendment initiated (late 2011 / early 2012)**
  - Key project components Included: a smelter complex, run-of-mine pad, changes to the tailings storage facility design, re-shaping and re-alignment of waste rock dumps, a chrome sand drying plant, truck parking area, deepening of open pits and related additional waste rock and tailings material storage, changes to general layout
  - Scoping meetings (focussed and general public meetings) held in February 2012
  - Project scope changed to exclude the smelter complex and run of mine pad – changes communicated in scoping report and summaries distributed for review in June 2012
  - Ongoing stakeholder engagement
  - EIA process delayed





### PROJECT UPDATE

- **Changes to the project scope: February / March 2014**
  - Key project changes: additional waste rock dump NE of current mine, re-alignment of central waste rock dump, high wall on average 180m deep, topsoil screening berms added and/or re-aligned
  - Scoping report in process of being revised to address changes as well as incorporate additional stakeholder engagement
  - Revised scoping report to be distributed for public review next week
  - Additional specialist studies to be conducted over the NE WRD footprint




### LOCALITY MAP





### PROJECT MOTIVATION

- **In summary:**
  - To maximise extraction of ore reserves thereby increasing the viability of the mine
  - To optimise various aspects of the mine and its operations to ensure sufficient capacity and increase efficiency of its day to day operations



### BASELINE ENVIRONMENT WITHIN ADDITIONAL FOOTPRINTS (NE WRD & CENTRAL WRD)

- **Geology:** Similar to the Tharisa mining right area. NE WRD area has been undermined by Samancor.
- **Topography and Drainage:** Relatively flat. Two non-perennial drainage lines cross through the footprint of the NE WRD. Agricultural activities expected to have influenced topography to a certain extent.
- **Soils and land capability:** Similar soils to those found within the mining right area, however this will be confirmed through a specialist study.
- **Land use and socio-economic conditions:** At the NE WRD, agricultural. For the central WRD, a mixture of agricultural and residential.
- **Biodiversity:** Similar habitat units and faunal occurrences to those found within the mining right area, with the exception of the rocky outcrop unit. Agricultural activities expected to have influenced natural biodiversity to a certain extent. This will be confirmed through a specialist study.

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### BASELINE ENVIRONMENT cont.

- **Groundwater:** Shallow upper weathered aquifer (between 3m to more than 30m) and deeper fractured aquifer. Similar conditions to the northern parts of the mining right area are expected. Influences from underground mining activities to be determined.
- **Noise and air quality:** Due to proximity to current mining operations, similar conditions to those occurring at the mine are expected.
- **Visual:** Due to size of these facilities, both the NE WRD and central WRD are expected to be visible from key vantage points, especially the Magaliesberg Mountain Range. This will be confirmed through a specialist study.
- **Heritage:** No heritage resources expected to occur within the footprint of the NE WRD. Some heritage resources including graves and historical structures are expected to occur within the increased footprint of the central WRD.

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### QUESTIONS

Environmental?  
Social?  
Economic?

SLR

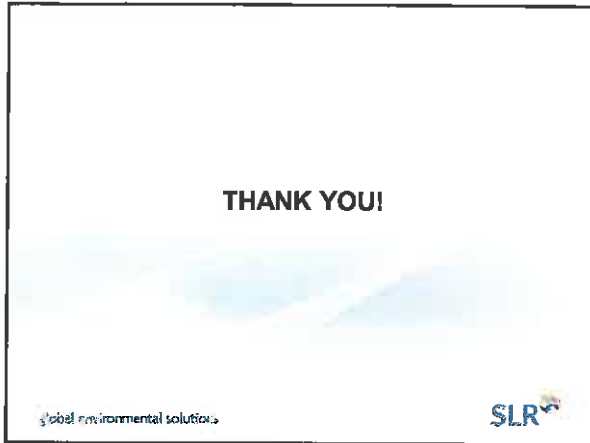
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### WAY FORWARD

- **Scoping Phase:**
  - Circulation of the updated scoping report (English) (by 4 April 2014):
    - Retief Primary School
    - Uniting Reform Church (URC), Madithlokwa
    - Ward Councilor; Appearance Ndlovu
    - Rustenburg Library
    - Hillside BBB
    - Tharisa Mine
    - SLR Job Offices
  - Summary (English/ Setswana) via hand delivery to community representatives, email and post
  - IAPs 30 days to submit comments
- **EIA and EMP Phase**
  - Circulation and review the same as for scoping report
- **Notify registered IAPs of record of decisions**

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**THARISA MINERALS (PTY) LTD  
CHANGES TO INFRASTRUCTURE AND OPERATIONS AT THE MINE**

**MARIKANA ECO FORUM FOCUSSED SCOPING MEETING**

<b>DATE</b>	12h30, 26 March 2014
<b>VENUE:</b>	Tharisa, Security Boardroom
<b>PROJECT NUMBER:</b>	710.20002.00012
<b>PURPOSE:</b>	The purpose of the meeting was to: provide the representatives of Marikana Eco Forum with the changes to the project scope and an update on the environmental process and to raise and record any additional comments or issues.
<b>ATTENDANCE:</b>	See Appendix 1

**1. OPEN AND INTRODUCTION**

Alex Pheiffer from SLR Consulting (Africa) (Pty) Ltd (SLR) opened the meeting and introduced Stella Moeketse from SLR and Thulani Ntshanga from Tharisa Minerals (Pty) (Tharisa).

**2. PRESENTATION ON THE ENVIRONMENTAL IMPACT ASSESSMENT PROCESS**

Alex Pheiffer outlined the changes to the project scope and the related environmental assessment process followed as outlined in the presentation. A copy of the presentation is attached in Appendix 2.

**3. DISCUSSION**

All the issues that were raised in the meeting have been recorded in Table 1 below. Where a response was provided this has also been included in the table.

**Table 1: Issues raised by IAPs and the response given by the project team**

<b>Issue</b>	<b>Raised by whom</b>	<b>Response given by the project team</b>
<b>Process related issues</b>		
Tharisa must note that it cannot commence with the construction of north east waste rock dump (WRD) without the approval of the water use license.	Alet Swanepoel	Your comment has been noted. (SLR)
Please make sure that Chris Bosch is informed of the changes of the project scope.		Chris Bosch is registered as an IAP on the project IAP database and has been notified of the changes to the project scope. (SLR)
I am a neighbouring landowner (11 Spruitfontein) who was involved in the original EIA and EMP process for Tharisa mine. I would like to know why I never receive information from Tharisa regarding developments at the mine and or response to my queries? I have heard about various meetings between Tharisa and/or other landowners and I am never invited to these meetings. Why is this the case?	Tinus Cronje	Your comments have been noted. Tharisa received your complaint via the security manager and is busy processing it. Any future queries or issues with the mine should be raised directly with Thulani Ntshanga. (Tharisa)

Issue	Raised by whom	Response given by the project team
I submitted my complaint regarding cable theft in the area as well as at the old houses that are owned by Tharisa, to date there is no response from Tharisa.		
<b>Technical related issues</b>		
Where will the waste rock for the north east WRD come from?	Alet Swanepoel	It will be from the east mine pit operations. (Tharisa)
Will Samancor's underground mine operations be affected by the north east WRD? Are Samancor's underground pillars going to be affected by Tharisa's north east WRD?		Existing information indicates that a portion of the waste rock dump lies above mined out underground workings. The extent of these workings in relation to the waste rock dump will be understood in greater detail as part of the environmental assessment process. (SLR)
I do not think Tharisa's preferred site for the north east WRD is necessarily safe given the fact that there is an overlap between the two activities of which one of them involves dewatering for Samancor's underground mine operations.		
<b>Heritage Resources related issues</b>		
It must be noted that there might be heritage resources within the proposed north east WRD area.	Carel Swanepoel	The related specialist reports will be updated accordingly and the results of the study will be outlined in the EIA and EMP report and the related summaries. (SLR)
<b>Water related issues</b>		
Are there boreholes within the proposed north east WRD?	Alet Swanepoel	Yes. This information will be provided in the EIA and EMP report. (SLR)
Tharisa needs to apply for a water use license in terms for Regulation 704 for the north east waste rock dump.		Noted. A water use license application for the project components will be done towards the end of the EIA process. The DWA decision-making timeline is unknown. (SLR)
How long will it take to get an authorisation from the Department of Water Affairs (DWA)?		
What are the impacts that are associated with tailings storage facility (TSF) on water resources- surface and groundwater due to the changes to the design of the TSF?		The related specialist reports will be updated accordingly and the results of the study will be outlined in the EIA and EMP report and the related summaries. (SLR).
What is Tharisa going to use to line the base of the TSF as well as the TSF wall?		
Tharisa must ensure that there is proper storm water management for the TSF.		
Are there any boreholes that are going to be affected by the west mine operations?		
<b>Social related issues</b>		
Crime rates have increased ever since the mine operations. Tharisa needs to put up patrol system in place in and around the mine operations.	Tinus Cronje	Your comment has been noted. Tharisa will take it into consideration. (Tharisa)
The mine fence is not intact and it needs to be attended to.		Your comment has been noted. Tharisa will take this it into consideration. (Tharisa)

#### 4. WAY FORWARD

The way forward is as follows:

- Copies of the scoping report and the EIA and EMP report and the related summaries (English and Setswana) will be made available for review by the representatives of Marikana Eco Forum. Electronic copies of the reports will also be made available on request.
- Additional comments should be sent in writing to SLR or be left at Tharisa Offices (with Thulani Ntshanga) for SLR's collection.
- All the registered IAPs who have provided SLR with their postal addresses, e-mail addresses and mobile numbers will receive notification of the developments in the project and the record of decision.



## **5. CLOSE**

Alex Pheiffer thanked everyone present for the input and closed the meeting.

**APPENDIX 1: ATTENDANCE REGISTER**


<b>Name and Surname</b>	<b>Interest in project</b>	<b>Postal Address</b>	<b>Contact number &amp; E-mail</b>
Stella Moeketse	SLR Consulting	P O Box 1596 Cramerview 2060	<a href="mailto:smoeketse@slrconsulting.com">smoeketse@slrconsulting.com</a>
Alex Pheiffer			011 467 0945 <a href="mailto:apheiffer@slrconsulting.com">apheiffer@slrconsulting.com</a> 011 467 0945
Thulani Ntshanga	Tharisa: Environmental Coordinator		<a href="mailto:tntshanga@tharisa.com">tntshanga@tharisa.com</a> 083 237 6040
Alet Swanepoel	Marikana Eco Forum	P O Box 629 Marikana 0284	<a href="mailto:aletspe@yahoo.co.uk">aletspe@yahoo.co.uk</a> 071 642 9521
Carel Swanepoel	Marikana Eco Forum		
Tinus Cronje	Landowner	P O Box 4901 Buffelspoort	083 289 2655

## APPENDIX 2: PRESENTATION

**THARISA MINERALS (PTY) LTD  
EIA and EMP AMENDMENT**


**SCOPING MEETING  
UPDATE ON PROJECT AND ENVIRONMENTAL  
ASSESSMENT PROCESS**

20 March 2014

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**AGENDA**

- Registration
- Welcome and opening
- Project overview
- Environmental process overview
- Questions / Comments
- Close

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**PURPOSE OF TODAY'S MEETING**

- Outline changes in project scope
- Provide an update on the environmental assessment process
- Raise and record any additional comments or issues

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**ENVIRONMENTAL PROCESS**

**What?**

- Assessment of the potential impacts of the project components on the environment
- Identifying appropriate management measures

**Why?**


- Legal requirement and it is the right thing to do

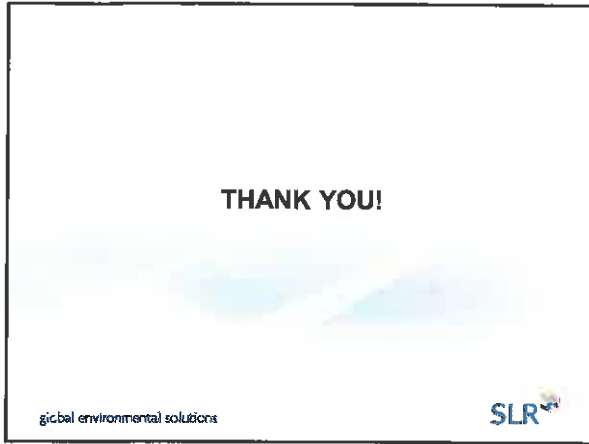
**Different stages?**

- Scoping phase revisited to address project scope changes
- Environmental impact assessment and Environmental management programme phase

**How?**

- Participation of interested and/or affected parties
- Reporting
- Decision making by key authorities

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**THARISA MINERALS (PTY) LTD  
CHANGES TO INFRASTRUCTURE AND OPERATIONS AT THE MINE**

**LANDOWNERS FOCUSED SCOPING MEETING**

<b>DATE</b>	16h30, 26 March 2014
<b>VENUE:</b>	Tharisa, Security Boardroom
<b>PROJECT NUMBER:</b>	710.20002.00012
<b>PURPOSE:</b>	The purpose of the meeting was to: provide the landowners with the changes to the project scope and an update on the environmental process and to raise and record any additional comments or issues.
<b>ATTENDANCE:</b>	See Appendix 1

**1. OPEN AND INTRODUCTION**

Alex Pheiffer from SLR Consulting (Africa) (Pty) Ltd (SLR) opened the meeting and introduced Stella Moeketse from SLR and Thulani Ntshanga from Tharisa Minerals (Pty) (Tharisa).

**2. PRESENTATION ON THE ENVIRONMENTAL IMPACT ASSESSMENT PROCESS**

Alex Pheiffer outlined the changes to the project scope and the related environmental assessment process followed as outlined in the presentation. A copy of the presentation is attached in Appendix 2.

**3. DISCUSSION**

All the issues that were raised in the meeting have been recorded in Table 1 below. Where a response was provided this has also been included in the table.

**Table 1: Issues raised by IAPs and the response given by the project team**

<b>Issue</b>	<b>Raised by whom</b>	<b>Response given by the project team</b>
<b>Process related issues</b>		
It is better to have a general feedback meeting than to have a separate one.	Hettie Le Roux	Your comment has been noted. SLR will take it into consideration. (SLR)
We would like the scoping report and EIA and EMP report to indicate when the project components will commence.		Your comment has been noted. SLR will do as requested. (SLR)
We would also like to have electronic copies of the reports (the committee members).	Hettie Le Roux and Isabel Hough	
<b>Technical related issues</b>		
Tharisa needs to take immediately surrounding activities to its mining operations into account during its planning and execution phases. The cumulative impacts needed to be addressed. These activities include other mining activities, engineering businesses and residential areas.	Theunis van Rensburg	Your comment has been noted and will be addressed in the EIA and EMP report. (SLR).
<b>Land related issues</b>		
Does Tharisa own pieces of land where the new north-east waste rock dump will be	Isabel Hough	No, they are currently privately owned but Tharisa is in the process of finalising their

Issue	Raised by whom	Response given by the project team
located?		purchase. (Tharisa)
<b>Water related issues</b>		
What are the expected impacts of the tailings storage facility (TSF) on water resources- surface and groundwater?	Theunis van Rensburg	The related specialist reports will be updated accordingly and the results of the study will be outlined in the EIA/EMP report and the related summaries. (SLR)
Seepage of contaminants from the TSF and WRD is also an issue which needs to be investigated.	Hettie Le Roux	
It must be noted that there are boreholes that are located 200m away from the TSF.	Theunis van Rensburg	
What emergency plans are in place should the TSF burst/ collapse?		The design of the TSF will ensure that the TSF does not burst/ collapse.
<b>Air quality related issues</b>		
Dust is most likely going to have an impact on greenhouse activities at the neighbouring farm. Please investigate the impacts on them.	Theunis van Rensburg	Your comment has been noted and potential impacts on surrounding land uses will be addressed in the EIA and EMP report. (SLR)
<b>Noise related issues</b>		
Noise impacts that are associated with the project components particularly the TSF and the north east waste rock dump must be investigated.	Theunis van Rensburg	These issues will be addressed in the EIA and EMP report.
Noise has become a big issue to the residents who are located south of the N4 in the recent weeks. Why is this case? Please investigate the implications of the project components to the status-quo.	Hettie Le Roux and Dannie Potgieter	
<b>Social related issues</b>		
What are impacts associated with the proposed project components on Living Waters Properties (property developer) that is located south-west of the mine?	Isabel Hough	SLR will arrange a separate meeting with representatives from Living Water Properties to understand the details of their project so that SLR can assess the impacts on this development. (SLR)
Does Tharisa have plans to increase its fenced off area?	Theunis van Rensburg	Not at the moment. (Tharisa)

#### 4. WAY FORWARD

The way forward is as follows:

- Copies of the scoping report and the EIA/ EMP report and the related summaries (English and Setswana) will be made available for review by the landowners. Electronic copies of the reports will also be made available on request.
- It was agreed that additional comments should be sent in writing to SLR or be left at Tharisa Offices (with Thulani Nthsanga) for SLR's collection.
- All the registered IAPs who have provided SLR with their postal addresses, e-mail addresses and mobile numbers will receive notification of the developments in the project and the record of decision.

#### 5. CLOSE

Alex Pheiffer thanked everyone present for the input and closed the meeting.

**APPENDIX 1: ATTENDANCE REGISTER**

<b>Name</b>	<b>Interest in project</b>	<b>Postal Address</b>	<b>Contact number &amp; E-mail</b>
Stella Moeketse	SLR Consulting	P O Box 1596 Cramerview 2060	<a href="mailto:smoeketse@slrconsulting.com">smoeketse@slrconsulting.com</a> 011 467 0945
Alex Pheiffer			<a href="mailto:apheiffer@slrconsulting.com">apheiffer@slrconsulting.com</a> 011 467 0945
Dannie Potgeiter	Landowner	P O Box 2949	084 206 7975
Hettie Le Roux	Landowner		<a href="mailto:goush@mweb.co.za">goush@mweb.co.za</a> 083 262 3951
Theunis van Rensburg	Landowner		<a href="mailto:theunis@multrader.co.za">theunis@multrader.co.za</a> 082 785 7521
Isabel Hough	Living Waters Properties (Boschpoort Residential Estate)		<a href="mailto:Isabel.hough@remiq.co.za">Isabel.hough@remiq.co.za</a> 082 611 9783 012 804 7717
M R Godison	Tharisa: Social and Labour Plan Manager		<a href="mailto:weodison@tharisa.com">weodison@tharisa.com</a> 084 592 7176
Thulani Ntshanga	Tharisa: Environmental Coordinator		<a href="mailto:tntshanga@tharisa.com">tntshanga@tharisa.com</a> 083 237 6040




**APPENDIX 2: PRESENTATION**

**THARISA MINERALS (PTY) LTD  
EIA and EMP AMENDMENT**


**SCOPING MEETING  
UPDATE ON PROJECT AND ENVIRONMENTAL  
ASSESSMENT PROCESS**

26 March 2014

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**AGENDA**

- Registration
- Welcome and opening
- Project overview
- Environmental process overview
- Questions / Comments
- Close

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**PURPOSE OF TODAY'S MEETING**

- Outline changes in project scope
- Provide an update on the environmental assessment process
- Raise and record any additional comments or issues

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**ENVIRONMENTAL PROCESS**

**What?**

- Assessment of the potential impacts of the project components on the environment
- Identifying appropriate management measures

**Why?**


- Legal requirement and it is the right thing to do

**Different stages?**

- Scoping phase revisited to address project scope changes
- Environmental impact assessment and Environmental management programme phase

**How?**

- Participation of interested and/or affected parties
- Reporting
- Decision making by key authorities

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**PROJECT BACKGROUND**

- **EIA and EMP amendment initiated (late 2011 / early 2012)**
  - Key project components included: a smelter complex, run-of-mine pad, changes to the tailings storage facility design, re-shaping and re-alignment of waste rock dumps, a chrome sand drying plant, truck parking area, deepening of open pits and related additional waste rock and tailings material storage, changes to general layout
  - Scoping meetings (focussed and general public meetings) held in February 2012
  - Project scope changed to exclude the smelter complex and run of mine pad – changes communicated in scoping report and summaries distributed for review in June 2012
  - Ongoing stakeholder engagement
  - EIA process delayed

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**PROJECT UPDATE**

- **Changes to the project scope: February / March 2014**
  - Key project changes: additional waste rock dump NE of current mine, re-alignment of central waste rock dump, high wall on average 180m deep, topsoil screening berms added and/or re-aligned
  - Scoping report in process of being revised to address changes as well as incorporate additional stakeholder engagement
  - Revised scoping report to be distributed for public review next week
  - Additional specialist studies to be conducted over the NE WRD footprint

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**LOCALITY MAP**



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**PROJECT MOTIVATION**


- **In summary:**
  - To maximise extraction of ore reserves thereby increasing the viability of the mine
  - To optimise various aspects of the mine and its operations to ensure sufficient capacity and increase efficiency of its day to day operations

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### BASELINE ENVIRONMENT WITHIN ADDITIONAL FOOTPRINTS (NE WRD & CENTRAL WRD)

- **Geology:** Similar to the Tharisa mining right area. NE WRD area has been undermined by Samancor.
- **Topography and Drainage:** Relatively flat. Two non-perennial drainage lines cross through the footprint of the NE WRD. Agricultural activities expected to have influenced topography to a certain extent.
- **Soils and land capability:** Similar soils to those found within the mining right area, however this will be confirmed through a specialist study.
- **Land use and socio-economic conditions:** At the NE WRD agricultural. For the central WRD, a mixture of agricultural and residential.
- **Biodiversity:** Similar habitat units and faunal occurrences to those found within the mining right area, with the exception of the rocky outcrop unit. Agricultural activities expected to have influenced natural biodiversity to a certain extent. This will be confirmed through a specialist study.


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### BASELINE ENVIRONMENT cont.

- **Groundwater:** Shallow upper weathered aquifer (between 3m to more than 30m) and deeper fractured aquifer. Similar conditions to the northern parts of the mining right area are expected. Influences from underground mining activities to be determined.
- **Noise and air quality:** Due to proximity to current mining operations, similar conditions to those occurring at the mine are expected.
- **Visual:** Due to size of these facilities, both the NE WRD and central WRD are expected to be visible from key vantage points, especially the Magaliesberg Mountain Range. This will be confirmed through a specialist study.
- **Heritage:** No heritage resources expected to occur within the footprint of the NE WRD. Some heritage resources including graves and historical structures are expected to occur within the increased footprint of the central WRD.


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### QUESTIONS

Environmental?  
 Social?  
 Economic?


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### WAY FORWARD

- **Scoping Phase:**
  - Circulation of the updated scoping report (English) (by 4 April 2014):
    - Retief Primary School
    - Uniting Reform Church (URC), Madithlotswa
    - Ward Councilor; Appearance Ndlovu
    - Rustenburg Library
    - Hillske B&B
    - Tharka Mine
    - SLR Jhb Offices
  - Summary (English/ Setswana) via hand delivery to community representatives, email and post
  - IAPs: 30 days to submit comments
- **EIA and EMP Phase:**
  - Circulation and review the same as for scoping report
- **Notify registered IAPs of record of decisions**


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