

## **APPENDIX B: STAKEHOLDER ENGAGEMENT DOCUMENTS**

SLR project no: 710.16002.00026

5 December 2013

**DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM  
76 VAN VELDEN STREET  
BRITS  
ATTENTION: MS JACQUELINE NKOSI**

**LANDOWNER NOTIFICATION:**

**ENVIRONMENTAL ASSESSMENT PROCESS FOR PROPOSED EXPANSION OF THE PROCESSING FACILITIES AT THE PILANESBERG PLATINUM MINE ON THE FARMS TUSCHENKOMST 135 JP AND WITKLEIFONTEIN 136 JP, MOSES KOTANE LOCAL MUNICIPALITY IN THE NORTH WEST PROVINCE.**

Dear Ms Nkosi

**1. INTRODUCTION**

Following our telephone conversation earlier today, this letter serves as formal notification for Environmental Impact Assessments (EIAs) which will be undertaken for the Pilansberg Platinum Mine (PPM) located in the Moses Kotane Local Municipality of the North West Province. Further detail on the proposed project is included below and the local setting is illustrated in Appendix A.

Project description

PPM holds a mining right and currently operates an existing opencast platinum mine and processing facility on the farms Tuschenkomst 135 JP and Witkleifontein 136 JP. PPM is proposing to expand its current processing facilities to incorporate the following within the boundary of the existing processing plant:

- a UG2 milling and flotation section with a production throughput of approximately 65 000 tonnes per annum;
- a hydrometallurgical plant for the further beneficiation of the PGM concentrate;
- a tailings re-treatment and
- a chrome recovery facility.

PPM is furthermore proposing a second tailings retreatment facility within the boundary of the exiting PPM tailings storage facility. This facility will be designed in such a way to allow for its disassembling and reconstruction at another site after a few years.

Farms and landownership

The farms that will be affected by the proposed pit expansion project, and the relevant landowner details, are included in Table 1 below.

**Table 1: Farms that will be affected by the proposed plant expansion project**

FARM NAME	PORTION NUMBER	TITLE NUMBER	DEED	SURFACE OWNER AS PER TITLE DEEDS SEARCH
Tuschenkomst 135 JP	0	G594/1938BP		Republic of South Africa
Witkleifontein 136 JP	0	T9313/1937BP		Republic of South Africa
	1	T11640/1937BP		

## 2. ENVIRONMENTAL PROCESS

SLR Consulting (Africa) (Pty) Ltd (SLR), an independent consulting firm, has been appointed to undertake the environmental authorisation process for this project. In order for PPM to amend the existing EIA/EMP, an approval from the following authorities will have to be obtained:

- Department of Mineral Resources (DMR) in terms of the Mineral and Petroleum Resources Development Act (MPRDA), 28 of 2002; and
- North West Department of Economic Development, Environment, Conservation and Tourism (DEDECT) in terms of listed activities that are governed by the National Environmental Management Act (NEMA), 107 of 1998.

As the landowner for a number of the properties that will be affected by the proposed developments, the Republic of South Africa (care of the Department of Rural Development and Land Reform) will receive all future information and documentation related to the proposed project.

Should you wish to discuss any aspect of the proposed projects please feel free to contact me.

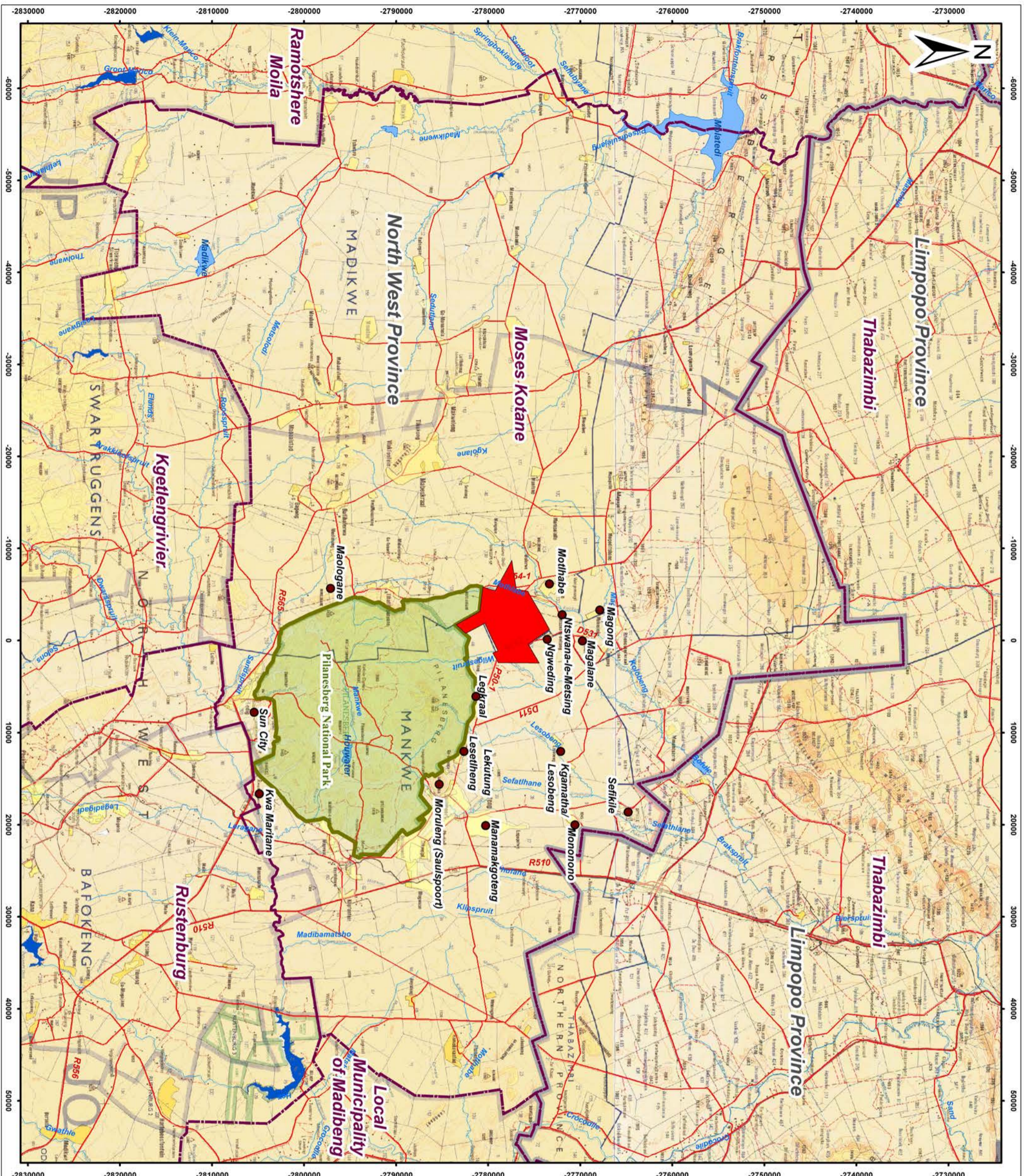
Kind regards



Suan Mulder (EAP)  
Project Manager

*For SLR Consulting (Africa) (Pty) Ltd*

**Appendix A: Figure showing the regional and local settings of the proposed development**



**Legend**

- Roads
- Villages
- PPM Mining Right Area
- Municipal Boundaries
- Provincial Border
- Reserves**
- Existing
- Pilanesberg National Park (including Black Rhino Game Reserve)



Scale: 1:400 000 @ A3

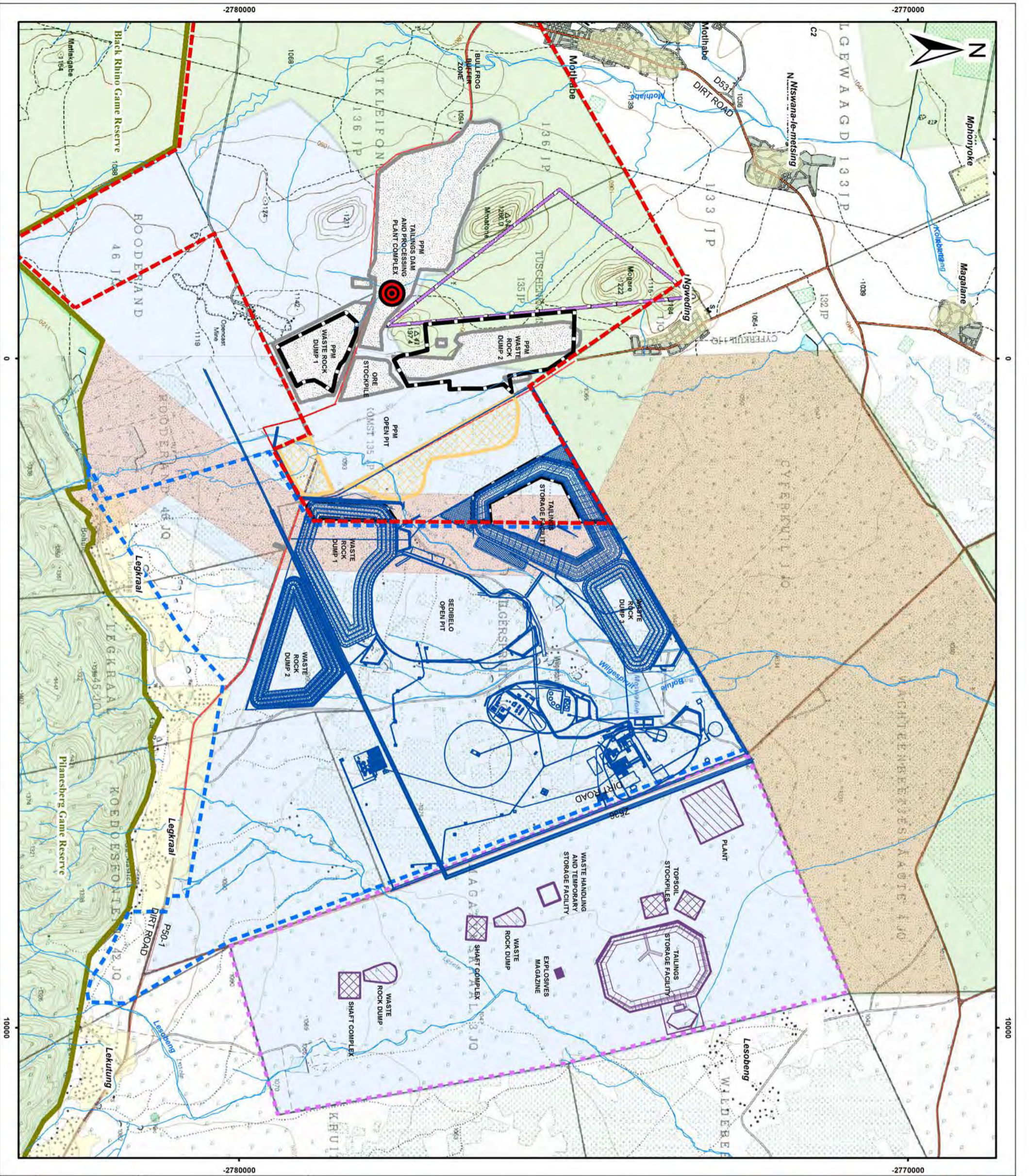
Projection: Transverse Mercator  
Datum: Hartbeeshoek, LO27

**PILANESBERG PLATINUM  
MINES (PTY) LTD**

**Proposed Plant Expansion Project**



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



- Legend**
- Magazynskraal Mining Right Area
  - Sedibelo Mining Right Area
  - PPM Mining Right Area
  - Position of Proposed Plant Expansion Project

- Reserves**
- Existing Pilanesberg National Park (Including Black Rhino Game Reserve)
  - Proposed Heritage Park - Dangerous Animals
  - Proposed Heritage Park - Non-Dangerous Animals
  - Original Dangerous Game Corridor



Scale: 1:55 000 @ A3  
 Projection: Transverse Mercator  
 Datum: Harlebeeshoek, LO27

**PILANESBERG PLATINUM MINES (PTY) LTD**

**Proposed Plant Expansion**



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

Reference numbers:

SLR: 710.16002.00026

DMR: NW30/5/1/2/2/320MR ;

DEDECT: NWP/EIA/87/2013

20 March 2014

**ENVIRONMENTAL ASSESSMENT PROCESS FOR THE PROPOSED PLANT EXPANSION  
PROJECT FOR THE PILANESBERG PLATINUM MINE (PTY) LTD**

Dear Interested and/or Affected Party (IAP)

**1. INTRODUCTION**

Pilanesberg Platinum Mines (Pty) Ltd (PPM), located to the west and north-west of the Pilanesberg National Park in the Moses Kotane Local Municipality of the North West Province, holds a mining right and currently operates an existing opencast platinum mine and processing facility on the farms Tuschenkomst 135 JP and Witkleifontein 136 JP. PPM is proposing to expand its current processing facilities to incorporate the following within the boundary of the existing processing plant:

- a UG2 milling and flotation section with a production throughput of approximately 65 000 tonnes per annum;
- a hydrometallurgical plant for the further beneficiation of the PGM concentrate;
- a tailings re-treatment; and
- a chrome recovery facility.

PPM is furthermore proposing a second tailings retreatment facility within the boundary of the exiting PPM tailings storage facility. This facility will be designed in such a way to allow for its disassembling and reconstruction at another site after a few years.

**2. ENVIRONMENTAL ASSESSMENT**

Prior to the commencement of the proposed projects, environmental authorisation is required under the following Acts:

- Mineral and Petroleum Resources Development Act, 28 of 2002 (MPRDA);
- National Environmental Management Act, 107 of 1998 (NEMA);
- National Environmental Management: Air Quality Act, 39 of 2004 (NEMAQA); and
- National Water Act, 36 of 1998.

SLR Consulting (Africa) (Pty) Ltd (SLR), an independent firm of environmental consultants, has been appointed to manage the environmental assessment process.

### 3. PUBLIC INVOLVEMENT AND INFORMATION-SHARING MEETINGS

You have been identified as an interested and/or affected party (IAP) who may want to be informed about the project and have input into the environmental assessment process. You will be given the opportunity to provide input at information-sharing meetings (details provided below), and also through review and comment on environmental reports.

As part of the scoping phase, public information-sharing meetings have been arranged in the villages that are closest to the project sites. The same information will be provided at each meeting. Details of the meetings are provided below:

DATE	TIME	VILLAGE	VENUE
Monday, 07 April 2014	09h00	Lekutung	Community Hall
Tuesday, 08 April 2014	09h00	Legkraal/Bofule	Lekgotla Meeting Area
	12h00	Ramasedi	Lekgotla Meeting Area
	15h00	Ntswana-le-Metsing	Community Hall
Wednesday, 09 April 2014	09h00	Ngweding	Community Hall
	12h00	Magalane	Community Hall
	15h00	Magong	Community Hall
Friday, 11 April 2014	09h00	Motlhabe	Community Hall
	12h00	Lesetlheng	Lekgotla Meeting Area

A background information document (BID) has been prepared by SLR to inform you of the project, and is available in English and Setswana. Copies of the BID will be made available at the information-sharing meetings detailed above. Should you wish to receive a copy of the BID before the meeting, or be unable to attend the meeting and would like a copy of the BID, please contact the undersigned and a copy will be sent to you.

### 4. CONCLUSION

Should you have any questions or comments, please contact the undersigned by telephone (011 467 0945), fax (011 467 0978) or email ([smulder@slrconsulting.com](mailto:smulder@slrconsulting.com)).

Regards



Suan Mulder  
Project Manager



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## ENVIRONMENTAL ASSESSMENT PROCESS FOR THE PROPOSED PPM PLANT EXPANSION PROJECT

Notice is given in terms of the Mineral and Petroleum Resources Development Act, 2002 (No. 28 of 2002), the National Environmental Management Act, 1998 (No. 107 of 1998) of the intent to carry out the activities described below. In addition to this, some of the project components will also require authorisation in terms of the National Water Act, 1998 (No. 36 of 1998), and the National Environmental Management: Air Quality Act of 2004. Given the nature of the project, both scoping and EIA procedures will be followed.

**Reference numbers**  
DMR: NW30/51/2/2/320MR  
DEDECT: NWP/EIA/87/2013

**Name of proponent**  
Pilanesberg Platinum Mines (Pty) Ltd (PPM)

**Description of proposed activity**  
PPM is an existing opencast platinum mining operation to the west and north-west of the Pilanesberg National Park in the North West Province and operates under an approved mining right and associated authorisations. PPM is now proposing to undertake an EIA/EMP amendment for the expansion of the existing PPM metallurgical processing facility. This will incorporate a second UG2 milling and flotation circuit, a hydrometallurgical processing facility for the treatment of flotation concentrate as well as tailings and chrome recovery facilities.

**Location of the proposed project**  
The existing PPM operations are situated on the farms Witkleifontein 136 JP and Tuschenkomst 135 JP in the Moses Kotane Local Municipality of the Bojanala District in the North West Province, South Africa.

**Name of consultant to contact**  
SLR Consulting (Pty) Ltd  
Contact people: Mrs Suan Mulder or Mrs Caitlin Hird  
Postal Address: PO Box 1596 Cramerview 2060  
Tel: (011) 467-0945; Fax: (011) 467-0978  
E-mail: smulder@slrconsulting.com or chird@slrconsulting.com

**Notice of public meetings**  
Nine (9) scoping meetings have been arranged. The same information will be presented at all the meetings. The details for the public scoping meetings are as follows:

<b>Meeting A</b> Date: 7 April 2014 Venue: Lokutlung Community Hall Time: 09h00	<b>Meeting B</b> Date: 8 April 2014 Venue: Legkraal/Bofule Lekgotla Meeting Area Time: 09h00	<b>Meeting C</b> Date: 8 April 2014 Venue: Ramasedi Lekgotla Meeting Area Time: 12h00
<b>Meeting D</b> Date: 8 April 2014 Venue: Nswana-Is-Metsing Community Hall Time: 15h00	<b>Meeting E</b> Date: 9 April 2014 Venue: Ngweding Community Hall Time: 09h00	<b>Meeting F</b> Date: 9 April 2014 Venue: Magalane Community Hall Time: 12h00
<b>Meeting G</b> Date: 9 April 2014 Venue: Magong Community Hall Time: 15h00	<b>Meeting H</b> Date: 11 April 2014 Venue: Motlhaba Community Hall Time: 09h00	<b>Meeting I</b> Date: 11 April 2014 Venue: Lesethleng Lekgotla Meeting Area Time: 12h00

**Registration of IAPs and submission of comment**  
To ensure that you are identified as an interested and/or affected party (IAP), please submit your name, contact information and interest in the matter in writing to the contact person(s) given above within 14 days of publication of this advertisement. To ensure that your comments are included in the scoping report, these should be provided at the public scoping meeting (described above) and/or be sent in writing to the above consultant by **30 April 2014**.

**Additional information**  
To obtain additional information about the proposed project and/or the environmental assessment process, please contact the above mentioned consultants.

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ENVIRONMENTAL ASSESSMENT PROCESS FOR THE PROPOSED PPM PLANT EXPANSION PROJECT. Notice is given in terms of the Mineral and Petroleum Resources Development Act, 2002 (No. 28 of 2002), the National Environmental Management Act, 1998 (No. 107 of 1998) of the intent to carry out the activities described below.

# Laerskool Vastrap se boogskietkompetisie



Die volgende skuts van Laerskool Vastrap het op 1 Maart aan die NASP boogskietkompetisie te Laerskool Proteapark deelgeneem. Hierdie spannetjie het 'n tweede plek behaal! Baie geluk! Voor v.l.n.r.: Jaco Bayliss en Stefni Landsberg. Tweede v.l.n.r.: Estian J.v. Rensburg, Lauricia Pansegrouw, Marinus Wissekerke, Danelle van der Wal en Waldo Reynecke. Derde v.l.n.r.: Wilfred Kilian, Kris Vorster, André Rossouw en Dihan Cloete. Agter: Anri Liebenberg

Laerskool Vastrap het op 1 Maart aan 'n NASP boogskietkompetisie te Proteapark deelgeneem en baie goed presteer. Die volgende leerlinge eindig onder die Junior top 10 skuts! Baie geluk! Agter v.l.n.r.: Wilfred Kilian (5e), André Rossouw (4e) en Dihan Cloete (2e). Voor v.l.n.r.: Jaco Bayliss (9e) en Waldo Reynecke (7e).

# Laerskool Proteapark blink uit



Suné Havenga het Laerskool Proteapark verteenwoordig tydens die Noordwes Atletiekkampioenskappe. Sy behaal 'n 3de plek in die 1500m stap in 'n tyd van 08:49,79. Sy kwalifiseer om aan die SA's in die Paarl deel te neem. Die kwalifiserende tyd is 09:07,00.



Justin Magee van Laerskool Proteapark behaal 2de plekke tydens die Noordwes Atletiekkampioenskappe. Alhoewel hy beseer was, kwalifiseer hy om aan die SA's deel te neem in: Diskus 35,53m (Kwalifiserend: 34 m) en Spiesgooi 38,06m (Kwalifiserend 36m).

# Bergsig teen Hoërskool Brandwag



Mnr. Nicholenas (Die groot arend) staan by die o/14 rugbyspan (arendkuike) wat 19-15 met Brandwag afgereken het.



Hoërskool Bergsig se eerste netbal span. Van regs na links: Didintle Moilola, Diandra Potgieter, Vianke Kemp, Marle Oosthuizen, Chantelle Deyssel, Mariska Hattingh, Dedre Nel, Carmari Schoeman, Chante Deacon. Voor is Kea Mkhondo en Karen Potgieter. Hulle wen 17-16.

# International Champions in Botswana

Agter: Charlize Huyser, Denise Scheepers. Voor: Waldo van der Walt, Juanita van der Walt, Solly van der Walt.



**RUSTENBURG - SKISA Warriors travelled to Botswana on the weekend of 14 March 2014.**

Botswana Karate Federation hosted the International Gabs Open on the 15th of March 2014 where 7 countries (Botswana, Estonia, Zimbabwe, South Africa, Zambia, Namibia, Mozambique) participated and over 350 entries was received. South African Provinces who supported this event was Gauteng, North-West, Western Cape and Free State. North West Province was represented by SKISA Warriors Dojo and Mafikeng Dojo.

The Botswana "Daily News" newspaper reported that this competition grabbed the attention of huge sponsors like Nando's, Western Union, Debswana and Mascom to the value of R200 000. Denise Scheepers excelled in the 8-9 year Intermediate Division, winning all 3 of her fights with a six point difference in the scores.

Our other champion, Charlize Huyser, dominated the 12-13 year division, with 13 competitors by also winning her first 2 fights with a huge difference in points and really showing her true Warrior colours in her very tough final fight. Sensei Waldo van der Walt also took part in the Under 21 division, ending in the Top 7. Thank you to all the parents who supported this event and making this experience possible for their children.

## ENVIRONMENTAL ASSESSMENT PROCESS FOR THE PROPOSED PPM PLANT EXPANSION PROJECT

Notice is given in terms of the Mineral and Petroleum Resources Development Act, 2002 (No. 28 of 2002), the National Environmental Management Act, 1998 (No. 107 of 1998) of the intent to carry out the activities described below. In addition to this, some of the project components will also require authorisation in terms of the National Water Act, 1998 (No. 36 of 1998), and the National Environmental Management: Air Quality Act of 2004. Given the nature of the project, both scoping and EIA procedures will be followed.

### Reference numbers

DMR: NW30/5/1/2/2/320MR  
DEDECT: NWP/EIA/87/2013

### Name of proponent

Pilanesberg Platinum Mines (Pty) Ltd (PPM)

### Description of proposed activity

PPM is an existing opencast platinum mining operation to the west and north-west of the Pilanesberg National Park in the North West Province and operates under an approved mining right and associated authorisations. PPM is now proposing to undertake an EIA/EMP amendment for the expansion of the existing PPM metallurgical processing facility. This will incorporate a second UG2 milling and flotation circuit, a hydrometallurgical processing facility for the treatment of flotation concentrate as well as tailings and chrome recovery facilities.

### Location of the proposed project

The existing PPM operations are situated on the farms Witklefontein 136 JP and Tuschenkomst 135 JP in the Moses Kotane Local Municipality of the Bojanala District in the North West Province, South Africa.

### Name of consultant to contact

SLR Consulting (Pty) Ltd  
Contact people: Mrs Suan Mulder or Mrs Caitlin Hird  
Postal Address: PO Box 1596  
Cramerview  
2060

Tel: (011) 467-0945; Fax: (011) 467-0978

E-mail: [smulder@slrconsulting.com](mailto:smulder@slrconsulting.com) or [chird@slrconsulting.com](mailto:chird@slrconsulting.com)

### Notice of public meetings

Nine (9) scoping meetings have been arranged. The same information will be presented at all the meetings. The details for the public scoping meetings are as follows:

Meeting A	Meeting B	Meeting C
Date: 7 April 2014 Venue: Lekutung Community Hall Time: 09h00	Date: 8 April 2014 Venue: Lagkraal/Bofuila Lekgotla Meeting Area Time: 09h00	Date: 8 April 2014 Venue: Ramasedi Lekgotla Meeting Area Time: 12h00
Date: 8 April 2014 Venue: Ntswana-le-Metsing Community Hall Time: 15h00	Date: 9 April 2014 Venue: Ngweding Community Hall Time: 09h00	Date: 9 April 2014 Venue: Magalane Community Hall Time: 12h00
Date: 9 April 2014 Venue: Magong Community Hall Time: 15h00	Date: 11 April 2014 Venue: Motlhaba Community Hall Time: 09h00	Date: 11 April 2014 Venue: Lesetleng Lekgotla Meeting Area Time: 12h00

### Registration of IAPs and submission of comment

To ensure that you are identified as an interested and/or affected party (IAP), please submit your name, contact information and interest in the matter in writing to the contact person(s) given above within 14 days of publication of this advertisement. To ensure that your comments are included in the scoping report, these should be provided at the public scoping meeting (described above) and/or be sent in writing to the above consultant by 30 April 2014.

### Additional information

To obtain additional information about the proposed project and/or the environmental assessment process, please contact the above mentioned consultants.

## Rotary Family Health Days

2 - 4 April 2014  
09h00 - 16h00

Bring your Road to Health card/booklet

Come and get your family's health sorted one time!

3 days of **free health services** for your community include:

- HIV Testing & Counselling
- TB Symptomatic Screening
- Diabetes & Blood Pressure Screening
- Polio & Measles Vaccination
- Deworming
- Vitamin A

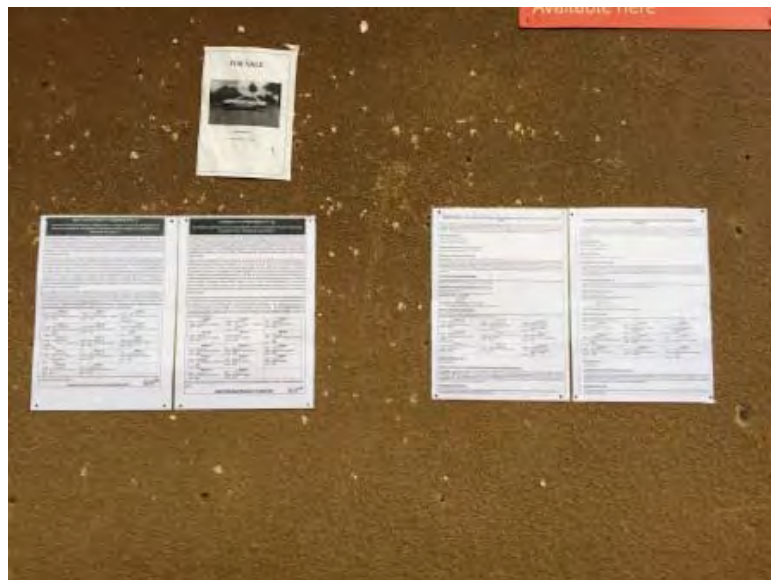
Call: \*120\*7343# for your nearest site details

Go to [www.rfha.org.za](http://www.rfha.org.za) for details.

All Welcome



Bakgatla Ba Kgafela Tribal Offices



Motswedi Shop - Moruleng



Kruidfontein Shop - Lekutung



Molatlhegi Butchery - Lesethleng



OB & GT Brothers Pub - Ramasedi



Mankgeti House - Ramasedi



Refilwe Café - Legkraal



Legkraal Clinic

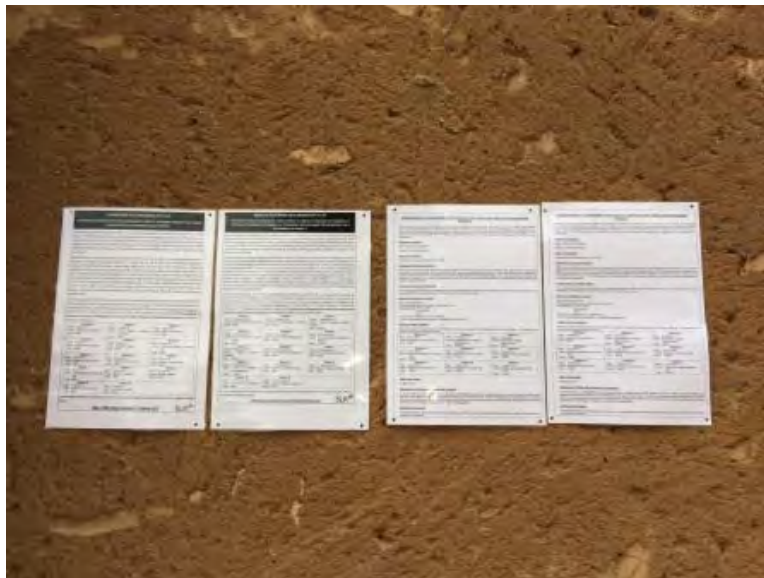


Sedibelo Mine Gate



Pilanesburg Platinum Mines Entrance





Hlanganani Tavern - Ngweding



Kutlwanong General Dealer - Ngweding



Motlhabe Clinic



Motlhabe Community Hall



Moagi Supermarket - Ntswana



Ntswana-le-Metsing Pub



Water Pump - Magalane



Toni's Supermarket Magong



Magong Community Hall



Sefikile Kgotla



Sefikile Taxi Rank



Mononono Clinic



Tsaile High School - Mononono



Mr Dan Segale Home



Manamokgoteng Community Hall



Modderkuil Shop - Manamokgoteng



**ENVIRONMENTAL ASSESSMENT PROCESS FOR THE PROPOSED PPM PLANT EXPANSION PROJECT**

Notice is given in terms of the Mineral and Petroleum Resources Development Act, 28 of 2002, the National Environmental Management Act, 107 of 1998 of the intent to carry out the activities described below. In addition to this, some of the project components will also require authorisation in terms of the National Water Act, 36 of 1998, and the National Environmental Management: Air Quality Act of 2004. Given the nature of the project, both scoping and EIA procedures will be followed.

**Reference numbers**

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**Name of proponent**

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**Description of proposed activity**

PPM is an existing opencast platinum mining operation to the west and north-west of the Pilanesberg National Park in the North West Province and operates under an approved mining right and associated authorisations. PPM is now proposing to undertake an EIA/EMP amendment for the expansion of the existing PPM metallurgical processing facility. This will incorporate a second UG2 milling and flotation circuit, a hydrometallurgical processing facility for the treatment of flotation concentrate as well as tailings and chrome recovery facilities. .

**Location of the proposed project**

The existing PPM operations are situated on the farms Witkleifontein 136 JP and Tuschenkomst 135 JP in the Moses Kotane local municipality of the Bojanala district in the North West Province.

**Name of consultant to contact**

SLR Consulting (Pty) Ltd  
Contact people: Mrs Suan Mulder or Mrs Caitlin Hird  
Postal Address: PO Box 1596  
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E-mail: [smulder@slrconsulting.com](mailto:smulder@slrconsulting.com) or [chird@slrconsulting.com](mailto:chird@slrconsulting.com)

**Notice of public meetings**

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<b>Meeting D</b> Date: 8 April 2014 Venue: Ntswana-le- Metsing Community Hall Time: 15h00	<b>Meeting E</b> Date: 9 April 2014 Venue: Ngweding Community Hall Time: 09h00	<b>Meeting F</b> Date: 9 April 2014 Venue: Magalane Community Hall Time: 12h00
<b>Meeting G</b> Date: 9 April 2014 Venue: Magong Community Hall Time: 15h00	<b>Meeting H</b> Date: 11 April 2014 Venue: Motlhabe Community Hall Time: 09h00	<b>Meeting I</b> Date: 11 April 2014 Venue: Lesethleng Lekgotla Meeting Area Time: 12h00

**Date of site notice**

19 March 2014

**Registration of IAPs and submission of comment**

To ensure that you are identified as an interested and/or affected party (IAP), please submit your name, contact information and interest in the matter in writing to the contact person(s) given above within 14 days of publication of this advertisement. To ensure that your comments are included in the scoping report, these should be provided at the public scoping meeting (described above) and/or be sent in writing to the above consultant by 30 April 2014.

**Additional information**

To obtain additional information about the proposed project and/or the environmental assessment process, please contact the above mentioned consultants.

**TSHEKATSHEKO YA TIKOLOGO YA POROJEKE EE TSHITSHINNGWANG YA KATOLOSO YA POLANTE YA PPM**

Kitsiso e neetswe fano go ya ka Molao wa Tlhabololo ya Dimenerale le Petroleamo, 28 wa 2002, Molao wa Bosechaba wa Taolo ya Tikologo, 107 wa 1998 wa maikaelelo ago dira ditirelo tse di kailweng fa tlase. Mo godimo ga seno, dingwe tse dintlha tsa porojeke di tia tlhoka thebolo go ya Molao wa Bosechaba wa Metsi, 36 wa 1998, le Taolo ya Bosechaba ya Tikologo: Molao wa Boleng jwa mowa wa 2004. Go labilwe tlhago ya poroke, mefuta ka bobedi ya patlisiso le Tshakatsheko ya Kamego ya Tikologo etla latetlwa

**Dinomore tsa kaelo**

DMR: NW30/5/1/2/2/320MR  
DEDECT: NWP/EIA/87/2013

**Name of proponent Leina la mongongoregi**

Meepo Pilanesberg Platinum (Pty) Ltd (PPM)

**Tlhaloso ya tirelo ee tshitshintsweng**

PPM ke tirelo ya moepo wa polatinamo ya ga jaana ee kwa Bophirima jwa bokone bophirima jwa Phaka ya Bosechaba ya Pilanesburg mo Porofenseng ya Bokone Bophirima mme e dira ka fa tlase ga tshwanelo ya moepo ee letleletsweng le bathati ba ba maleba. PPM ga jaana e tshitshinyo go dira paakanyo ya Tshakatsheko ya Kamego Tikologo le Lenaneo la Tsamaiso ya Tikologo la katoloso ya madirelo a PPM ago dirwa ga metallurgy. Seno setla akaretsa lefelo la go thothlha la UG2 le lengwe le seketete ya go tsamaisa, madirelo a hydrometallurgical ya go tlhokomelwa ga go tsamaisa ga mmogo le madirelo a go busetsa thothobolo ya masalela le khoroumo.

**Lefelo la porojeke ee tshitshinngwang**

Mo madirelong a ga jaana aa leng mo dipolaseng tsa Witkleifontein 136JP le Tuschenkomst 135JP mo Mmasepaleng wa Selegae wa kgaolo ya Bojanala mo Porofenseng ya Bokone Bophirima.

**Leina la moqakolodi yo go ka ikqolagannngwang le ene**

SLR Consulting (Pty) Ltd  
Oka ikgolaganya le: Mme Suan Mulder or Mme Caitlin Hird  
Aterese ya Poso: PO Box 1596  
Cramerview  
2060  
Mogala: (011) 467-0945; Fekese: (011) 467-0978  
E-mail: [smulder@slrconsulting.com](mailto:smulder@slrconsulting.com) or [chird@slrconsulting.com](mailto:chird@slrconsulting.com)

**Kitsiso ya dikopano tsa batho botlhe**

Dikopano dile robongwe tsa dipatlisiso di setse di rulagantswe. Tshedimosetso ee tshwanang etla bontshiwa kwa dikopanong tsothle. Dintlha tsa dikopano tsa botlhe tsa dipatlisiso ke tse di latelang:

<b>Kopano A</b> Letlha: 7 Moranang 2014 Lefelo: Lekutung Holo ya Morafe Nako: 09h00	<b>Kopano B</b> Letlha: 8 Moranang 2014 Lefelo: Legkraal/Bofule Lekgotla Lefelo la kopano Nako: 09h00	<b>Kopano C</b> Letlha: 8 Moranang 2014 Lefelo: Ramasedi Lekgotla Lefelo la kopano Nako: 12h00
<b>Kopano D</b> Letlha: 8 Moranang 2014 Lefelo: Ntswana-le-Metsing Holo ya Morafe Nako: 15h00	<b>Kopano E</b> Letlha: 9 Moranang 2014 Lefelo: Holo ya Morafe ya Ngwedding Nako: 09h00	<b>Kopano F</b> Letlha: 9 Moranang 2014 Lefelo: Holo ya Morafe ya Magalane Nako: 12h00
<b>Kopano G</b> Letlha: 9 Moranang 2014 Lefelo: Holo ya Morafe ya Magong Nako: 15h00	<b>Kopano H</b> Letlha: 11 Moranang 2014 Lefelo: Holo ya Morafe ya Motlhabe Nako: 09h00	<b>Kopano I</b> Letlha: 11 Moranang 2014 Lefelo: Lesethleng Lekgotla Lefelo la kopano Nako: 12h00

**Letlha la kitsitso ya saete**  
19 Mopitlwe 2014

**Ikwadiso ya Maloko aa Nang le Kgatlhego le a Amegang le go tlišiwa ga ditshwaelo**

Go netefatsa gore o kaiwa jaaka leloko le le nang le kgatlhego lele le amegang (AIP), ka kopo romela leina la gago, dintlha tsa kgolagano le kgatlhego ya gago mo ntlheng emo ka go kwalela kwa motho yo go ikgolagannngwang le ene yoo neetsweng fa godimo mo malatsing ale 14 a phasalatso ya kgatiso eno. Go netefatsa gore ditshwaelo tsa gago di akarediwa mo pegelong ya patlisiso, di tshwanetswe tsa neelwa kwa kopanong ya patlisiso (ee tlhalositsweng fa godimo) le/kgotsa di romelwe ka go kwalela kwa mogakoloding yoo fa godimo ka 30 Moranang 2014.

**Tshedimosetso ya tlaleletso**

Go bona tshedimosetse ya tlaleletso malebana le porojeke ee tshitshinngwang le/kgotsa tsamaiso ya tshakatsheko ya tikologo, ka kopo ikgolaganye le bagakolodi ba ba kailweng fa godimo.

# PILANESBURG PLATINUM MINES (PTY) LTD

## PROPOSED PLANT EXPANSION AT THE PILANESBURG PLATINUM MINE

MARCH 2014

### INTRODUCTION

Pilanesberg Platinum Mines (Pty) Ltd (PPM) is a wholly-owned subsidiary of Boynton Investments (Pty) Limited (Boynton). Boynton is, in turn, majority owned by Sedibelo Platinum Mine (Pty) Ltd, the Bakgatla/Pallinghurst Joint Venture (BPJV) and some minority shareholders. The BPJV's shareholders are the Bakgatla Ba Kgafela Tribe (BBKT) and the Pallinghurst Investment Consortium (PIC).

The mine which is located to the west and north-west of the Pilanesberg National Park (Figure 1) in the North West Province was constructed and operates under an approved mining right and associated authorisations. The approved PPM mining operation comprises:

- open pits;
- river diversions;
- temporary and permanent waste rock stockpiles;
- temporary topsoil dumps;
- haul roads;
- processing facility;
- tailings storage facility;
- sewage treatment facility;
- mining contractors' site complexes;
- temporary waste storage facilities;
- offices;
- workshops; and
- other support infrastructure.

PPM is now proposing to undertake an EIA/EMP amendment for the expansion of the existing PPM processing facility on the farms Witkleifontein 136 JP and Tuschenkomst 135 JP. This will incorporate a second UG2 milling and flotation circuit, a hydrometallurgical processing facility for the treatment of flotation concentrate as well as tailings and chrome recovery facilities.

### PURPOSE OF THIS DOCUMENT

This document has been prepared by SLR to inform you about:

- the proposed project;
- to provide information of the baseline environment;
- the environmental assessment process to be followed;
- possible environmental impacts; and
- how you can have input into the environmental authorisation process.

### ENVIRONMENTAL AUTHORISATION PROCESS

Prior to the commencement of the proposed project an environmental assessment is required, including an application phase, scoping phase, and an EIA and EMP phase. The assessment will be conducted in terms of the Mineral and Petroleum Resources Development Act (MPRDA), 28 of 2002, and the National Environmental Management Act (NEMA), 107 of 1998. Both laws apply because the proposed project will be at a mine and they will incorporate a number of listed/identified activities from NEMA Regulations R544, R545 and R546. In addition to this, some of the project components will also require authorisation in terms of the National Water Act, 36 of 1998 and the National Environmental Management: Air Quality Act of 2004.

SLR Consulting (Africa) (Pty) Ltd (SLR), an independent firm of environmental consultants, has been appointed by PPM to manage the environmental assessment process.

### YOUR ROLE

You have been identified as an interested and affected party (IAP) who may want to be informed about the proposed project and have input into the environmental process and reports. You will be given the opportunity to provide input at public meetings, and also to review and comment on the following:

- Scoping Report
- EIA/EMP amendment report
- Relevant licence application reports

All comments will be recorded and included in the applications to the relevant departments for decision-making.

### 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

Suan Mulder and/or Caitlin Hird  
(011) 467 0945 (Tel) or  
(011) 467 0978 (Fax) or  
[smulder@slrconsulting.com](mailto:smulder@slrconsulting.com) or  
[chird@slrconsulting.com](mailto:chird@slrconsulting.com)

DMR reference number: NW30/5/1/2/2/320MR  
DEDECT reference number: NWP/EIA/87/2013

Please ensure that all reference numbers are included on all correspondence.

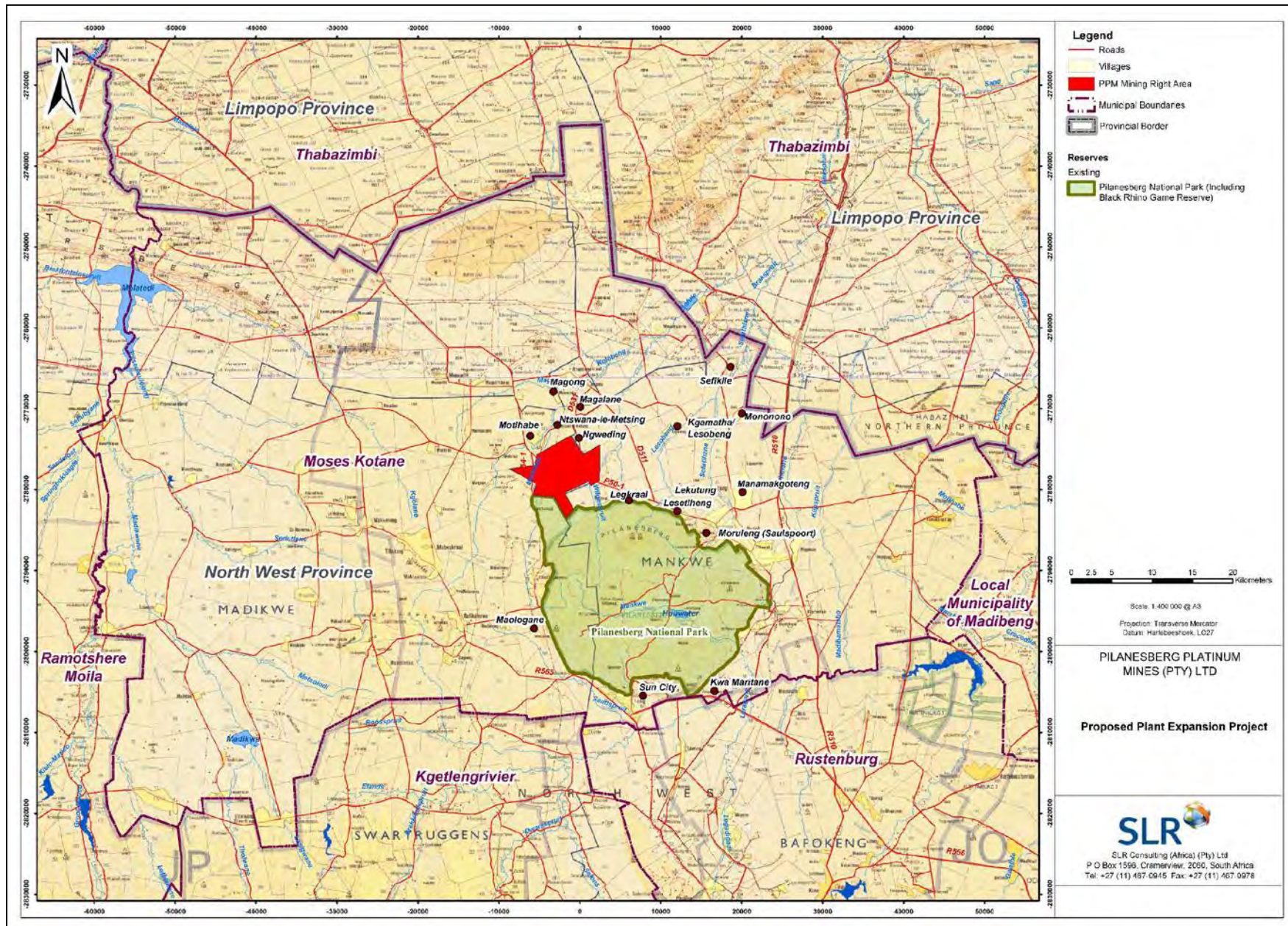


Figure 1: Regional Setting

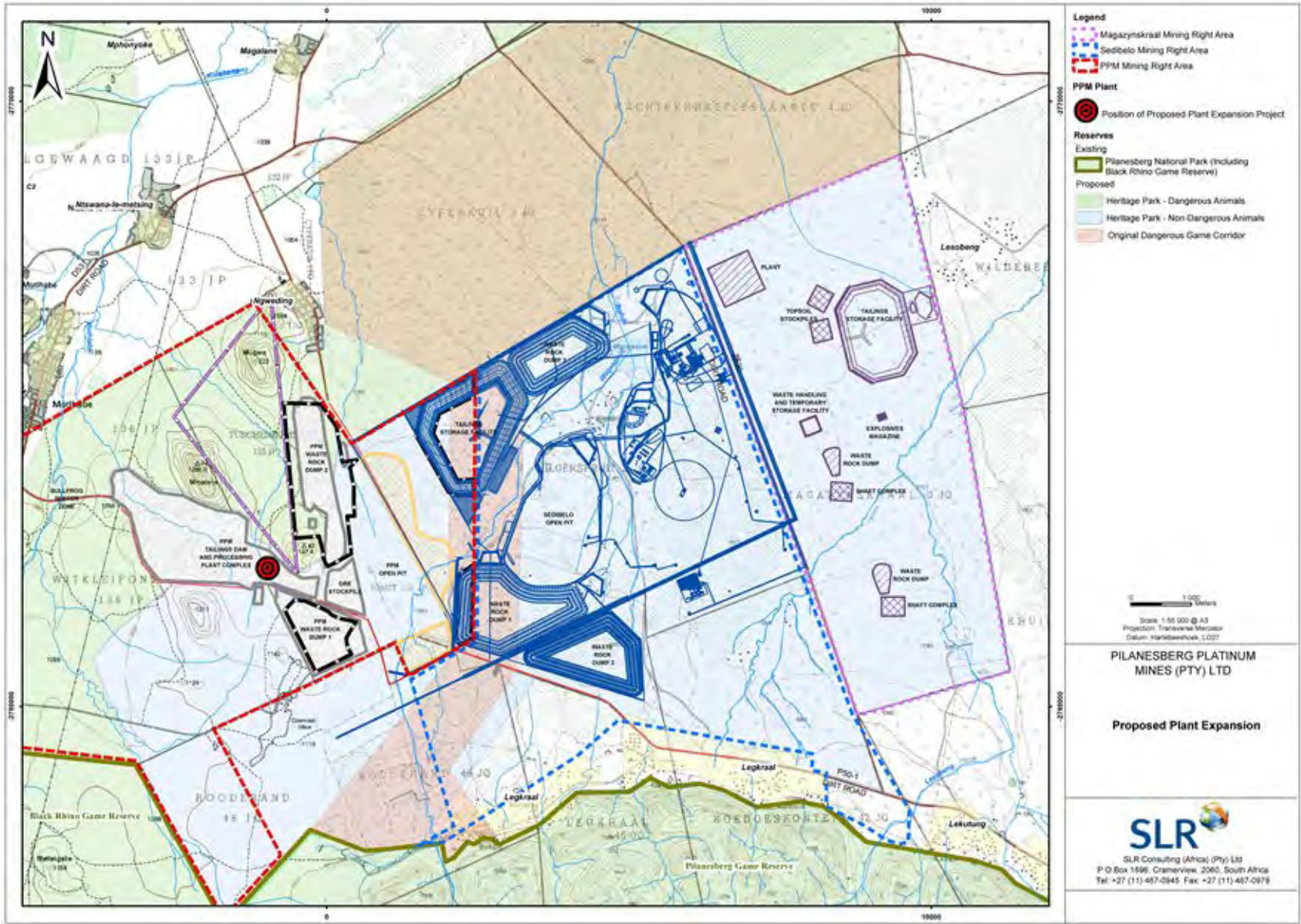


Figure 2: Local Setting

## OVERVIEW OF THE PROPOSED PROJECT

### INTRODUCTION

PPM is proposing to amend its approved EIA/EMP to expand the existing metallurgical processing facility located on the farms Witkleifontein 136 JP and Tuschenkomst 135 JP (Figure 2). The expanded processing facility will extend the life of the processing operations to 50 years. Should the proposed plant expansion project be approved, the following facilities will be built and operated within the footprint of the existing processing and tailings facilities:

- UG2 milling and flotation sections with a production throughput of approximately 65 000 tonnes of ore per annum;
- hydrometallurgical plant for the sulphate leach extraction of base metals from the flotation concentrate utilising oxygen (O<sub>2</sub>) and sulphuric acid (H<sub>2</sub>SO<sub>4</sub>) and the chloride leach extraction of platinum group metals (PGM) and gold utilising chlorine gas (Cl<sub>2</sub>) and hydrochloric acid (HCl). The estimated production rate is 110 000 tonnes of flotation concentrate per annum.
- two tailings retreatment plants for the extraction of PGMs, which will involve the treatment of tailings from the flotation sections as well the retreatment of tailings material from the tailings storage facility ; and a chrome recovery facility.

### STATUS OF THE EXISTING ENVIRONMENT

This section provides a basic description of the existing status of the environment.

**Geology:** The PPM mine is situated in the Bushveld Igneous Complex (BIC). The BIC is an intrusive igneous body, extending about 400 km from east to west and about 350 km from north to south. It comprises a series of ultramafic-mafic layers and a suite of associated granitoid rocks. There are four main limbs to the complex and PPM is located in the Western Limb.

**Climate:** The project area falls within the Highveld Climatic Zone. The average annual precipitation ranges from 500mm to 700mm. Rainfall is generally in the form of thunderstorms. These can be of high intensity with lightening and strong gusty south-westerly winds. Temperatures in this climatic zone are generally mild, but

low minima can be experienced in winter due to clear night skies. The wind field is dominated by winds from the north, north-east, east and south east.

**Topography:** The topographic relief of the project area can be described as relatively gently sloping towards the north-west of the study area. Topographic elevation varies between 1040 to 1080 metres above mean sea level (mamsl). There are several isolated koppies in the northern areas, and these vary between 1197 and 1266 mamsl. It should be noted that the topography in the area has already been altered due to historical and current mining activities and related infrastructure.

**Soils and land capability:** Four broad soil groupings were identified on the project site, namely structured soils, shallower soils, highly structured clay soils and wet soils. In general, the pH ranges from slightly acid to neutral soils with the growth potential on soils being poor to very poor. Where vegetation has established on these soils they become bound and stabilised thus ensuring good growth conditions and more essentially good soil retention.

**Land use:** Main land uses include residential areas, subsistence dry land agriculture, small-scale commercial agriculture and communal livestock grazing. PPM is also surrounded by mining operations, conservation and eco-tourism activities, associated with private land, the proposed heritage park corridor and the Pilanesberg National Park.

**Animal life:** Over 550 faunal species were identified to potentially occur on site. While the presence of only a few of these could be confirmed, the close proximity of the site to Pilanesberg Nature Reserve suggested that many more species could actually occur. Furthermore, the site's position within the proposed Heritage Park Corridor between the Pilanesberg and Madikwe Nature Reserves suggests an even greater diversity of faunal species to potentially occur in the area. There are also several red data species which could potentially occur on site.

**Plant life:** The area in which the project area is located is referred to as the Savannah Biome. The main vegetation type is referred to as Dwaalboom Thornveld. This Dwaalboom Thornveld is found on plains characterised by a layer of scattered, low to medium high, deciduous microphyllous trees and shrubs with a few broadleaved tree species, and an almost continuous herbaceous layer

dominated by grass species. Dwaalboom Thornveld incorporated the vegetation habitats of black turf, Red Pilanesberg Wash and riparian habitats.

Surface water: The site falls into the upper reaches of quaternary catchment A24D of the Crocodile River. The non-perennial stream that receives water from the majority of the site is the Motlhabe which is a tributary of the perennial stream Kolobeng. The non-perennial Manyedime and Wilgespruit receive water from the Tuschenkomst area towards the north and northeast respectively. All the water courses are non-perennial, flowing for a few days only after heavy rainfall periods.

Groundwater: The region consists of a shallow and weathered bedrock aquifer which is also laterally connected to aquifers along the weathered zones associated with drainage lines as well as a deeper, intact fractured bedrock aquifer. The weathered aquifer is between 12m and 50m deep.

The water quality in the project area varied between good (Class I) (acceptable) and poor (Class III) (poor) when compared to drinking water standards (South African National Standard (SANS 241:2006). Elevated fluoride levels occur naturally due to the high concentrations of fluorite in the foyaite formations in the Pilanesberg complex. Groundwater is an important resource for the local population, even though fluoride and magnesium concentrations are high. Some communities rely on groundwater for basic water requirements and livestock watering.

Air quality: Apart from the current PPM Mine operations, various activities in the area have potential to contribute to the emission of pollutants. These pollutants include: fugitive dust from veld fires, wind erosion from open areas, dust generated by agricultural activities, vehicle tailpipe emissions, mining emissions and household fuel combustion.

Noise: There are a number of existing noise sources associated with existing mining operations, traffic and community activities in the area. Noise levels vary by a considerable margin with changes in wind direction and temperature profiles in the lower atmosphere.

Visual: The area can be described as bushveld plains interrupted by the Pilanesberg, hills to the north and the south as well as mines and infrastructure that form part of the man-made features. The existing mining operations and construction activities have already affected the sense of place and natural visual character of the area.

Heritage/cultural resources: The project area is located in the Central Bankeveld of the North West Province of South Africa. Numerous heritage resources were identified in and around the project area as illustrated. The most important heritage resource discovered in the area is a cultural landscape constituted by large numbers of isolated and clusters of late Iron Age stone wall sites at the koppies of Mogare, Mmatone, Patswane and Mukukunupu on the farms Tuschenkomst 135 JP and Witkleifontein 136 JP. Other resources that have been identified include mining heritage remains, historical dwellings, graveyards, settlements from the recent past, and isolated and randomly scattered stone tools and potsherds.

Palaeontological resources: It is not likely that palaeontological resources exist within the project area due to the geology of the area. The project area is underlain by igneous rocks which are Precambrian in age and it is highly unlikely that fossils will be affected by the proposed subsurface mining development.

Socio-economic: There are private land owners and several communities located within close proximity to the mine. The socio-economic conditions of these communities range from poor to fair. There is a high level of unemployment with a dependency on subsistence agriculture, the public sector, seasonal workers and employment in the mining sector. Water provision and sanitation remains a challenge.

## POTENTIAL ENVIRONMENTAL IMPACTS

The following preliminary list of potential impacts has been identified and will be investigated as part of the environmental assessment process:

- loss and sterilisation of mineral resources;
- safety risks to people and animals as a result of the establishment of infrastructure and excavations;
- loss of soil resources and land capability;
- disturbance to and loss of biodiversity;
- alteration of natural drainage patterns;
- contamination of surface and ground water resources;
- reduction in the availability of water resources;
- air pollution;
- noise pollution;
- visual disturbance;
- damage to or disturbance of heritage resources;
- impact on surrounding land uses;
- traffic impacts; and
- socio- economic impacts.

## ENVIRONMENTAL AUTHORISATION PROCESS

The environmental process that will be followed provides information on the project and environment in which it is being undertaken; identifies, in consultation with interested and/or affected parties (IAPs), the potential negative as well as positive impacts of the project; and reports on management measures required to mitigate impacts to an acceptable level. The likely environmental process steps and timeframes are provided below. IAPs and other stakeholders registered on the project's database will receive notification of information-sharing meetings and report review periods in advance.

<b>STEPS IN THE AUTHORISATION PROCESS</b>
<b>PHASE I – Application phase (February to March 2014)</b>
<ul style="list-style-type: none"> <li>• Submission of applications to DEDECT.</li> <li>• Notify DMR of PPMs intention to amend the approved EMP.</li> </ul>
<b>PHASE II – Scoping process (February to May 2014)</b>
<ul style="list-style-type: none"> <li>• Notify other regulatory authorities and IAPs of project and environmental assessment (via social scan, newspaper advertisements, site notices and this document)</li> <li>• Scoping information-sharing meeting(s) with regulatory authorities (if required) and IAPs</li> <li>• Compile scoping report and submit to DMR, IAPs and other authorities for review</li> <li>• Public review of scoping report (40 days)</li> <li>• Submit scoping report including IAP comments to DEDECT. Forward IAP comments to DMR</li> </ul>
<b>PHASE III – EIA and EMP (April 2014 to February 2015)</b>
<ul style="list-style-type: none"> <li>• Complete specialist studies</li> <li>• Compile EIA and EMP report and submit to DMR, IAPs and other authorities for review</li> <li>• Public review of EIA and EMP report (40 days)</li> <li>• Submit EIA/EMP report including IAP comments to DEDECT. Forward IAP comments to DMR</li> <li>• Circulate environmental authorisation decisions to IAPs registered on the project database and advertise in newspapers.</li> </ul>
<b>PHASE IV – Licence applications (January 2015 to June 2015)</b>
<ul style="list-style-type: none"> <li>• Compile water use license application and submit to the Department of Water Affairs and IAPs for review</li> <li>• Compile air emission license application and submit to DEDECT and IAPs for review</li> </ul>

## PARTIES INVOLVED IN THE ENVIRONMENTAL ASSESSMENT PROCESS

### IAPs

- Surrounding landowners, land users and communities;
- Surrounding mines and industries; and
- Non-governmental organisations and associations.

### REGULATORY AUTHORITIES

- North West Department of Water Affairs (DWA);
- Department of Economic Development, Environment, Conservation and Tourism (DEDECT);
- Department of Mineral Resources (DMR);
- South Africa Heritage Resource Agency (SAHRA);
- Department of Land Reform and Rural Development (DLRRD); and
- Department of Roads and Public Works (DRPW).

### LOCAL AUTHORITIES

- Moses Kotane Local Municipality (MKLM); and
- Bojanala Platinum District Municipality (BPDM).

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



**PILANESBERG PLATINUM MINES  
PROPOSED PLANT EXPANSION PROJECT  
BACKGROUND INFORMATION DOCUMENT  
REGISTRATION AND RESPONSE FORM FOR INTERESTED AND AFFECTED PARTIES**

<b>DATE</b>		<b>TIME</b>	
<b>PARTICULARS OF THE INTERESTED AND AFFECTED PARTY</b>			
<b>NAME</b>			
<b>POSTAL ADDRESS</b>			
		<b>POSTAL CODE</b>	
<b>STREET ADDRESS</b>			
		<b>POSTAL CODE</b>	
<b>WORK/ DAY TELEPHONE NUMBER</b>		<b>WORK/ DAY FAX NUMBER</b>	
<b>CELL PHONE NUMBER</b>		<b>E-MAIL ADDRESS</b>	

**PLEASE IDENTIFY YOUR INTEREST IN THE PROPOSED PROJECT**

**PLEASE WRITE YOUR COMMENTS AND QUESTIONS HERE**

**Please return completed forms to:**

**Suan Mulder and/or Caitlin Hird**

**SLR Consulting (Africa) (Pty) Ltd**

**(011) 467 0945 (Tel) and/or (011) 467 0978 (Fax)**

**[smulder@slrconsulting.com](mailto:smulder@slrconsulting.com) or [chird@slrconsulting.com](mailto:chird@slrconsulting.com)**

# MEEPO YA POLATINAMO YA PILANESBURG (PTY) LTD

## KATOLOSO YA POLANTE EE TSHITSHINNGWANG YA KWA MOEPONG WA POLATINAMO WA PILANESBURG

MOPITLWE 2014

### MATSENO

Meepo ya Polatinamo ya Pilanesburg (Pty) Ltd (PPM) ke setheo sese ka fa tlase ga botsamaiso jo bo tletseng jwa Boyton Investments (Pty) Limited (Boytom). Boyton ke, ka gongwe, e laolwa sego ke Moepo wa Polatinamo wa Sedibelo (Pty) Ltd, Bakgatla/Pallinghurst Joint Venture (BPJV) le babeiletsi ba bangwe baba potlana. Babeiletsi ba BPJV ke ba Morafe wa Bakgatla Ba Kgafela (BBKT) le Pallinghurst Investment Consortium (PIC).

Moepo oo leng kwa Bophirima le bokone-bophirima jwa Phaka ya Bosechaba ya Pilanesburg (Setshwantsho 1) mo Porofenseng ya Bokone Bophirima e theilwe le go dirisiwa ka fa tlase ga tshwanelo ee letleletsweng ya moepo le bathati ba ba maleba. Tshwanelo ee letleletsweng ya moepo ya tirelo ya PPM e akaretsa:

- mesima ee bulegileng;
- phetolo ya noka;
- dithothobolo tsa nakwana le tsa leruri tsa masalela a matlapa;
- dithothobolo tsa nakwana tsa mmu oo fa godimo;
- ditsela tsa mmu;
- madirelo a go tlhotlha;
- madirelo a go beela mo moepong;
- madirelo a go tlhokomelwa ga swerisi;
- dikago tsa lefelo la borra-konteraka ba moepo;
- madirelo a go beela masalela a nakwana;
- dikantoro;
- madirelo; le
- dipopegotheo tse dingwe tsa tshegetso.

PPM ga jaana e tshitshinya go dira phetolo kwa Tshekatsheko ya Kamego ya Tikologo/Lenaneo la Tsamaiso ya Tikologo kwa katolosong ya ga jaana ya madirelo a PPM mo dipolaseng tsa Witkleifontein 136 JP le Tuschenkomst 135 JP. Seno setla akaretsa tirelo ya bobedi ya UG@ le sekete ya go arola, medirelo a go dirwa ga hydrometallurgical kwa lifelong la tlhokomelo ya go arolwa ga mmogo le kwa moepong le kwa madirelong a khoroumo

### MOSOLA WA LEKWALO LENO

Lekwalo leno le kwadilwe ke SLR go go itsise ka:

- porojeke ee tshitshinngwang;
- go neelana ka tshedimotsetso ya tikologo;
- tsamaiso ya tshekatsheko ya tikologo ee tla latelwang;
- kgonagalo ya dikamego tsa tikologo; le
- oka nna le seabo jang mo tsamaisong ya thebolo ya tikologo.
- 

### TSAMAIISO YA THEBOLO YA TIKOLOGO

Pele ga tshimologo ya porojeke ee tshitshinngwang le tshekatsheko ya tikologo ee tlhokegang, go akarediwa le

kgato ya kopo, kgato ya patlisiso, le kgato ya Tshekatsheko ya Kamego ya Tikologo le Lenaneo la Tsamaiso ya Tikologo. Tshekatsheko etla dirwa go ya ka Molao wa Tlhabololo ya Metswedi ya Dimenerale le Petroliamo (MPRDA), 28 wa 2002, Molao wa Bosechab ya Taolo ya Tikologo (NEMA), 107 wa 1998 Melao ka bobedi e mo tirisong ka gonne porojeke ee tshitshinngwang etla nna kwa moepong mme etla akaretsa ditirelo dile mmalwa tse di kwadilweng/kailweng gotswa kwa Melawaneng ya NEMA R544, R545 and R546. Ka tlaleletso, dingwe tsadintlha tsa porojeke ditla tlhoka thebolo go ya ka Molao wa Bosechaba wa Metsi, 36 wa 1998 le Molao wa Bosechaba wa Taolo ya Tikologo: Molao wa Boleng jwa Mowa wa 2004.

SLR Consulting (Africa) (Pty) Ltd (SLR), ke setheo se se ikemetseng sa bagakolodi ba tikologo, se thapilwe ke PPM go laola tsamaiso ya tshekatsheko ya tikolologo

### SEABE SA GAGO

O kailwe jaaka leloko le le nang le kgatlhego lele le amegang le le ka bathalg go ka itsisiwe ka ga porojeke ee tshitshinngwang le gonna le seabo mo tsamaisong ya tikologolo le dipegelo. O tla neewa tshono ya go neelana ka maelo kwa dikopanong tsa botlhe, le gape go lekola le go tshwaela mo go tse di latelang:

- Pegelo ya Patlisiso
- phetolo ya pegelo ya Tshekatsheko ya Kamego ya Tikologo/Lenaneo la Tsamaiso ya Tikologo
- Dipegelo tse di malebana le kopo ya lekwalo tetla

Ditshwaelo tsotlhe di tla kwalwa le go akarediwa mo dikoponggo ya kwa mafapheng aa maleba go tsa ditshwetso .

### O KA ARABA JANG

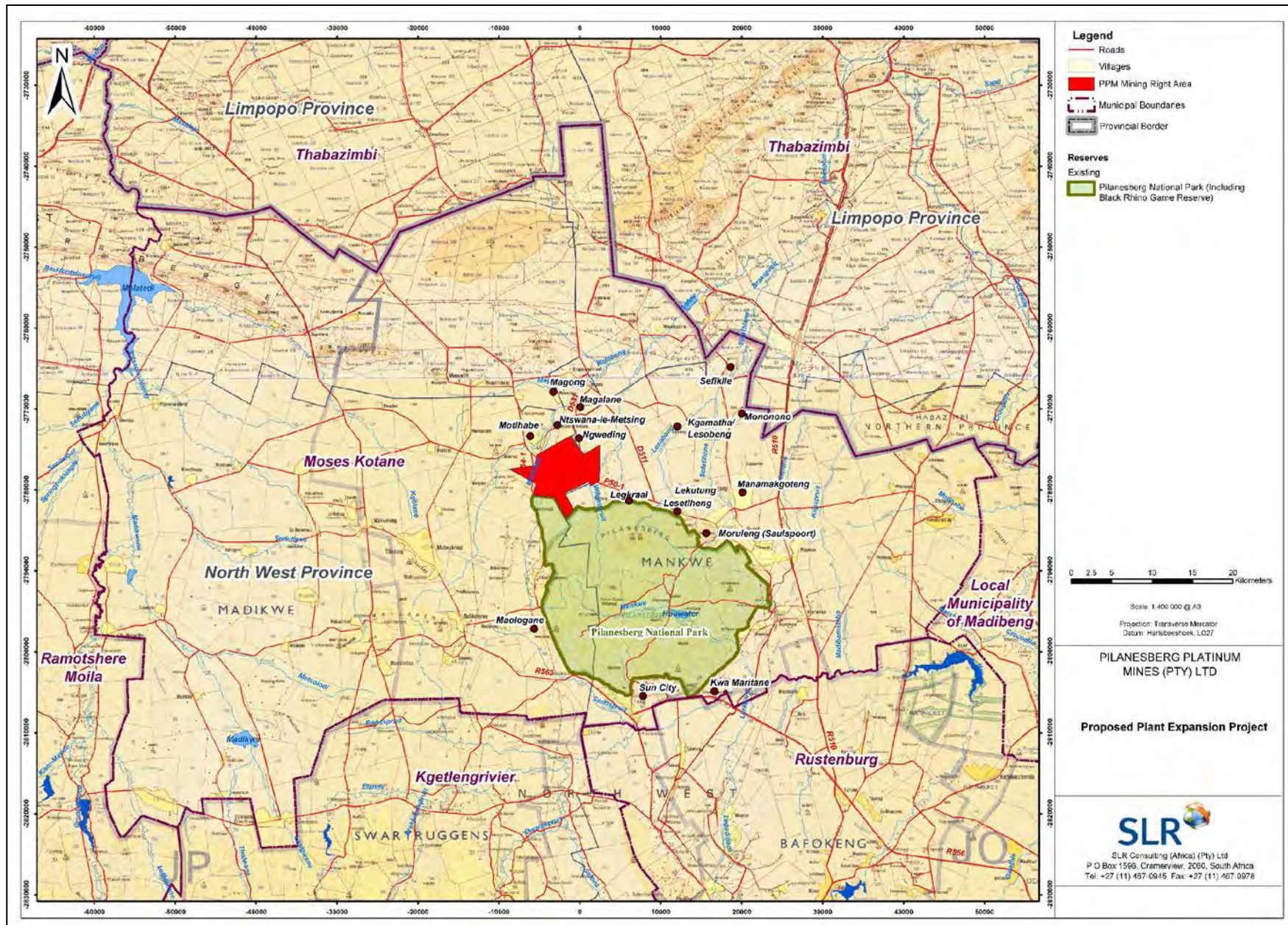
Dikarabo kwa lekwalong leno di ka romelwa ka mokgwa wa dipampiri tsa ditshwaelo tse di lomagantsweng ke/kgotsa ka puisano le motho yoo kwadilweng fa tlase.

### O KA IKGOLAGANYA LE MANG

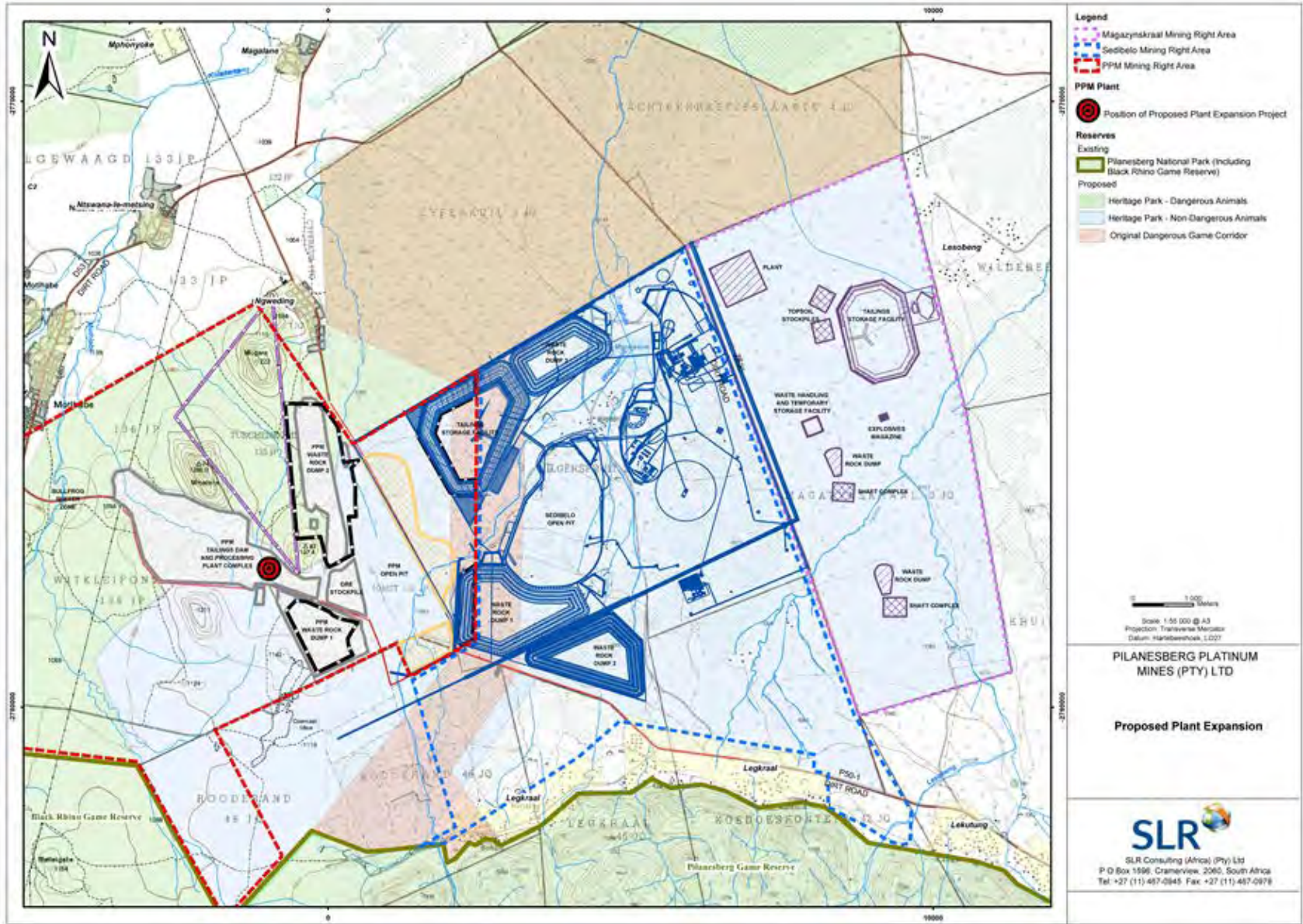
Suan Mulder le/kgotsa Caitlin Hird  
(011) 467 0945 (Mogala) kgotsa  
(011) 467 0978 (Fekese) kgotsa  
[smulder@slrconsulting.com](mailto:smulder@slrconsulting.com) kgotsa  
[chird@slrconsulting.com](mailto:chird@slrconsulting.com)

Nomere ya kaelo ya DMR: NW30/5/1/2/2/320MR  
Nomere ya kaelo ya DEDECT: NWP/EIA/87/2013

Ka kopo netefatsa gore dinomere tsa kaelo tsotlhe di akareditswe mo dipuisanong tsotlhe.



SETSHWANTSHO 1: SEBOPEGO SA SEDIKA



**SETHWANTSHO 2: SEBOPEGO SA SELEGAE**

## TEBELELO YA POROJEKE EE TSHITSHINNGWANG

### MATSENO

PPM e tshitshinya go fetola theboto ya Tshakatsheko ya Kamego ya Tikologo/Lenaneo la Tsamaiso ya Tikologo go katolosa madirelo a ga jaana a metallurgical aa leng mo dipolaseng tsa Witkleifontein 136 JP le Tuschenkomst 135 JP (Setshwantso 2). Katoloso ya madirelo a go tlhotlha etla oketsa botshelo jwa madirelo ka dingwaga dile 50. Fa tshitshinyo ya katoloso ya polante eka letlelelwa, madirelo aa latelang ata agiwa le go direlwa mo gare ga kgato ya moepo wa ga jaana le madirelo a moepo:

- setheo sa UG2 le dikarolo tsa tlhaolo ka ntshetso ntlhe ee lekanyediwang go ditone dile 65 000 tsa tshipi ka ngwaga;
- polante ya hydrometallurgical ya go ntshiwa ga sulphate leach ya dimetale gotswa kwa setheong sa tlhaolo se se dirisang mowa ( $O_2$ ) le sulphuric acid ( $H_2SO_4$ ) le go ntshiwa ga chloride leach mo setlhopheng sa dimetale tsa polatinamo (PGM) le gase ee dirisang chlorine ya gauta gas ( $Cl_2$ ) le hydrochloric acid (HCl). Tekanyetso ya seelo sa go ntsha ke ditone dile 110 000 tsa go tlhaolwa ka ngwaga.
- madirelo ale mabedi a polante ya tlhokomelo ya go gopiwa ga PGM, ee tla akaretsang tlhokomelo ya moepo gotswa kwa dikarolong tsa tlhaolo ga mmogo le go tlhotlhiwa gape ga dintsho tsa moepo gotswa kwa mabeong a moepo; le madirelo a go bona khoroumo

### SEEMO SA GA JAANA SA TIKOLOGO

Karolo eno e neelana ka tlhaloso ya maemo a tikologo ga jaana.

**Jioloji:** Moepo wa PPM omo Bushveld Igneous Complex (BIC). BIC ke setheo se se tsenelelang, sese atologileng dikilometara dile 400 gotswa kwa botlhapa le Bophirima le dikilometara dile 350 gotswa kwa bokone le kwa botlhaba. Ena le mefula ya tlhatlhagano ya ultramafic-mafic le suite ee golagannngwang le matlapa a granitoid. Gona le matsogo ale mane kea setheong le PPM emo Letsogong le le kwa Bophirima.

**Bolepi:** Lefelo la porojeke le wela mo gare ga Highveld Climatic Zone. Selekanyo sa ngwaga sa pula se simologa gotswa go 500m go fitlha 700mm. Pula gantsi enna ya dikgadima. E kanna tsa maemo aa kwa godimo ka legadima le diphefo tse di maatla tsa borwa-bophirimela, ka *SLR Consulting (Africa) (Pty) Ltd*

tlhatlhagano ee ikadileng, ee kwa tlase go ya kwa magareng godmo, ditlhare tsa microphyllous le ditlhatshana le dimela tsa ditlhare tsa makala aa phatlhaletseng, le tlhatlhagano ee tswelletseng ya herbaceous ee tletseg dimela tsa tlhaga. Dwaalboom Thornveld e akareditse dijalo tsa black turf, Pilanesberg Wash le ditshedi tsa riparian.

**Metsi aa fa godimo:** Lefelo le wela kwa godimo ga taolo ya motswedi wa metsi ya A24D mo Crocodile River. Molatswana oo tswelelang oo amogelang metsi gotswa kwa mafelong ale mantsia Motlhaba ee leng segopotso kwa molatswaneng wa Kolobeng. Melatswana ee sa eleleng ya Manyedimo le Wilgespruit e amogela metsi gotswa kwa lefelong la Tuschenkomst kwa bokone l ekwa borwa botlhaba ka tatelano. Metswedi yotlhe ya metsi ga e elele, e tsamaya matsatsi ale mmalwa morago ga nako ya dipula tse di maatla.

**Metsi aa kwa tlase ga lefatshe:** Kgaolo eno ana le molatswana wa matlapa aa kwa tlase ga metsi a kgale mme ase boteng aa golagannngwang le melatswanga ee tsamayang mo malefong a senyegileng aa golagannngwang le mela ya kgogolelgo ga mmogo le melatswana ee phatlhogileng, ele boteng, ya matlapa aa kwa tlase ga metsi. Melatswana ee senyegileng e magareng ga boteng jwa dimetara dile 12 le 50.

Boleng jwa metsi mo lefelong la porojeke bo farologana ka (Class 1) (amogelesegang) le bokoa (Class III) (bokoa) fo go bapisiwa le maemo metsi aa nowang (South African National Standard (SANS 241:2006). Koketsego ya maemo a floraete e nna teng ka tlhago ka ntlha ya seele se se kwa godimo sa floraete mo dipopegeong tsa foyaite mo dikagong tsa Pilanesburg. Metsi aa kwa tlase ga lefatshe ke motswedi oo botlhokwa kwa bathong ba selegae, le fa seelo sa floraete le magnesium sele kwa godimo. Merafe e mengwe e ikaegile mo metsing aa kwa tlase ga lefatshe go a dirisetsa ditlhokego le go nosa leruo.

**Boleng jwa Mowa:** Kwa ntle ga ditirelo tsa moepo wa PPM ga jaana, ditiragalo dile mmalwa mo lefelong dina le kgonagalo go tlhotlholetsa ntshetso ntle ya dikgotlhedi. Dikgotlhedi tseno di akaretsa: lefelo le le tswang kwa melolong ya naga, kgogolego ya phefo gotswa kwa mafelong aa buleging, lerole le le bakiwang ke ditirelo tsa temothuo, mesi ya dipeipi tsa dikoloi, ntshetsho ntle ya moepo le go tlholwa ga mesi gotswa kwa matlong.

**Modumo:** Gona le metswedi ele mmalwa ya modumo ee amanngwang le ditirelo tsa moepo ga jaana, pharakano le ditiragalo tsa morafe mo lifelong. Maemo a modumo aa farologana go ya ka mola ee letlelesegang wa diphetogo mo tsamaong wa mowa le maemo a bosa mo lefelong le le kwa tlase.

**Pono:** Lefelo leka tlhalosiwa jaaka sekgwa se se tshwentsweng ke dithaba tsa Pilanesburgh, go ya kwa Bokone le kwa Borwa ga mmogo le meepo le popegotheo ee leng karolo ya ditshwano tse di dirilweng ke motho. Ditirelo tsa moepo tsa ga jaana le ditirelo tsa kiago di setse di amile boleng jwa lefelo le semelo sa tlhago sa pono mo lefelong.

**Metswedi ya Boswa/setso:** Lefelo la porojeke ke mo Bogareng jwa Bankeveld kwa Porofenseng ya Bokone Bophirima mo Aferika Borwa. Metswedi ya boswa ele mmalwa e kailwe mogare le go dikologa lefelo la porojeke jaaka go tlagisitswe. Motswedi wa boswa oo botlhokwa thata oo bonweng mo lefelong ke sebopego sa setso sese nang le dipalo tse di kwa godimo tsa lebota la matlapa aa itlhaotseng le aa kokoaneng a Iron Age kwa dikopisi tsa Mogare, Mmatone, Patswane le Mukukunupu mo dipolaseng tsa Tuschenkomst 135 JP le Witkleifontein 136 JP. Metswedi e mengwe ee setseng e kailwe e akaretsa masalela a boswa jwa moepo, manno a kgale, mabitla, manno a sesheng, le didiriswa tse di ikgathositseng le tse di tlwaelegileng tsa matlapa a letsopa.

**Metswedi ya Palaentoloji:** Ga go bontshe fa metswedi ya palaentoloji ele gone mo gare ga lefelo la porojeke ka ntlha ya gore ele lefelo la jioloji. Lefelo la porojeke le tletse ka matlapa aa sa tlwaelegang a dingwa tsa Precambrian mme gago bonale fa marapo a kgale atla amega ke tlihabololo ya bogodimo jwa moepo

**Leago-ekonomi:** Gona le beng ba lefatshe ba poraefete le merafe ele mmalwa ee leng mo gare le gonna gaufi le moepo. Maemo a leago-ekonomi tsa merafe eno a farologana gotswa kwa bokowa go ya kwa go siameng. Gona le seelo se se kwa godimo sa botlhoka tiro le go ikaega thata mo temothuong ee potlana, setheo sa batho botlhe, badiri ba nakwana le ditiro tsa setheo sa moepo. Neelano ya metsi le matlwana boithusetso esantse le kgwetlho.

**KGONAGALO YA DIKAMEGO TSA TIKOLOGO**

Lekwalo le le latelang la ntlha la kgonagalo ya dikamego tse di kailweng le go sekasekwa ele karolo ya tsamaiso ya tshedimotsetso ya tikologo:

- le go tlhotlhiwa ga metswedi ya dimenerale;
- dikotsi tsa pabalesego kwa bathing le dipholologo ele ka ntlha ya go tlhomiwa ga popegotheo le go epiwa ;
- tatlhegelo ya metswedi ya mmu le bokgoni jwa lefatshe;
- go tshwengwa le tatlhegelo ya botshelo jwa ditshedi le dimela;
- go fetolwa ga mekgwa ya tlhago ya go tsamaiso leswe;
- go tshwaetsega ya metsi aa fa godimo le aa kwa tlase ga lefatshe;
- phokotsego ya gonna teng ga metswedi ya metsi;
- kgotlhelego ya mowa;
- kgotlhelego ya modumo;
- go tshwengwa ga pono;
- tshenywa kwa kgotsa go tshwengwa ga metswedi ya boswa;
- kamego mo ditirisong tse di mabapi tsa lefatshe;
- dikamego tsa pharakano; le
- dikamego tsa leago-ekonomi.

**TSAMAISO YA THEBOLO YA TIKOLOGO**

Tsamaiso ya tikologo ee tla latelwang e neelana ka tshedimotsetso ya porojeke le tikologo mo go yone go tla dirwang; tlagiso, ka kgoaganano le maloko aa nang le kgotlhego le a amegagn, dikamego tse di sa siamang le tse di siameng tsa porojeke; le dipegelo mo magatong a tsamaiso aa tlhokegang go tsereganya dikamego go isa kwa maamong aa letlelesegang. Magato a tsamaiso ya tikologo le dinako di neetswe fat lase. Maloko aa Nang le Kgotlhego le a Amegang le banna le seabe ba bangwe ba ba ikwadisitseng mo dathabeiseng ya porojeke batla amogela kitsiso ya dikopano tsa thefosanyo ya tshedimotsetso le dinako tsa tekolo ya pegelo nako e santse ele teng.

<b>DIKGATO TSA TSAMAISO YA THEBOLO</b>
<b>KGATO I – Kgato ya go dira kop (Tlhakole go fitlha Mopitlwe 2014)</b>
<ul style="list-style-type: none"> <li>• Go romelwa ga dikopo kwa Lefapheng la Tlihabololo ya Ekonomi, Tikologo, Tshomarelo le Bojanala DEDECT.</li> <li>• Go itsise Lefapha la Metswedi ya Dimenerale ka maikaelelo a PPM go fetola Lenaneo La Tsamaiso ya Tikologo le le letleletsweng.</li> </ul>
<b>KGATO II – Tsamaiso ya patlisiso (Tlhakole go fitlha Moranang 2014)</b>
<ul style="list-style-type: none"> <li>• Go itsise bathati ba bangwe ba taolo le Maloko aa Nang le Kgotlhego le a Amegang ka ga porojeke le tshedimotsetso ya tikologo (ka dipampiri tsa leago, dipapatso mo makwalo dikgang, kitsiso tsa saete ke lekwalo leno)</li> <li>• Dikopano tsa thefosanyo ya tshedimotsetso ya patlisiso le bathati ba taolo (fa go tlhokega) le Maloko aa Nang le</li> </ul>

<p>Kgatlhego le a Amegang</p> <ul style="list-style-type: none"> <li>• Go dira pegelo ya patlisiso le go romela kwa Lefapheng la Metswedi ya Dimenerale</li> <li>• Tekolo ya botlhe ya pegelo ya Tshekatsheko ya Kamego ya Tikologo le Lenaneo la Tsamaiso ya Tikologo (malatsi ale 40)</li> <li>• Go romela pegelo ya Tshekatsheko ya Kamego ya Tikologo le Lenaneo la Tsamaiso ya Tikologo go akaretsa le ditshwaelo tsa Maloko aa Nang le Kgatlhego le a Amegang kwa Lefapha la Tlhabololo ya Ekonomi, Tikologo, Tshomarelo le Bojanala DEDECT. Go romela dithswaelo tsa Maloko aa Nang le Kgatlhego le a Amegang kwa Lefapheng la Metswedi ya Dimenerale</li> </ul>
<p><b>KGATO III – Tshekatsheko ya Kamego ya Tikologo le Lenaneo la Tsamaiso ya Tikologo (Moranang 2014 to Tlhakole 2015)</b></p>
<ul style="list-style-type: none"> <li>• Go dira dithuto tsa boitseanape</li> <li>• Go dira pegelo ya Tshekatsheko ya Kamego ya Tikologo le Lenaneo la Tsamaiso ya Tikologo le go e romela kwa Lefapheng la Metswedi ya Dimenerale, Maloko aa na le Kgatlhego le a Amegang le kwa bathating ba bangwe go lekolwa</li> <li>• Tekolo ya botlhe ya pegelo ya Tshekatsheko ya Kamego ya Tikologo le Lenaneo la Tsamaiso ya Tikologo (malatsi ale 40)</li> <li>• Go romela pegelo ya Tshekatsheko ya Kamego ya Tikologo le Lenaneo la Tsamaiso ya Tikologo go akaretsa le ditshwaelo tsa Maloko aa Nang le Kgatlhego le a Amegang kwa DEDECT. Go romela dithswaelo tsa Maloko aa Nang le Kgatlhego le a Amegang kwa Lefapheng la Metswedi ya Dimenerale</li> <li>• Go phasalatsa ditshwetso tsa thebolo ya tikologo kwa Malokong aa Nang le Kgatlhego le a Amegang aa ikwadisitseng mo dathabaiseng ya porojeke le to phasalatsa mo makwalo dikgannyeng.</li> </ul>
<p><b>KGATO IV – Kopo ya lekwalo tetla (Ferikgong 2015 go ya go Seetebosigo 2015)</b></p>
<ul style="list-style-type: none"> <li>• Go dira kopo ya lekwalo tetla la tiriso ya metsi le go romelwa kwa Lefapheng la Merelo ya Metsi le kwa Malokong aa Nang le Kgatlhego ke a Amegang go lekola</li> <li>• Go dira kopo ya lekwalo tetla la ntshetso ntle ya mowa le go romelwa kwa DEDECT le kwa Malokong aa Nang le Kgatlhego ke a Amegang go lekola</li> </ul>

## MALOKO AA TSAYANG KAROLO MO TSAMAISSONG YA TSHEKATSHEKO YA TIKOLOGO

### Maloko aa Nang le Kgatlhego le a Amegang

- SBang ba lefatshe ba ba mabapi, badirisi ba lefatshe le merafe
- Meepo ee mabapi le dikgwebo
- Ditheo tse eseng tsa mmuso le mekgatlho e mengwe

### BATHATI BA TAOLO

- Lefapha la Merero ya Metsi mo Bokone Bophirima (DWA)
- Lefapha la Tlhabololo ya Ekonomi, Tikologo, Tshomarelo le Bojanala (DEDECT)
- Lefapha la Metswedi ya Dimenerale (DMR)
- Setheo sa Aferika Borwa sa Metswedi ya Boswa (SAHRA)
- Lefapha la Tsosoloso ya Lefatshe le Tlhabololo ya Metse Magae (DLRRD)
- Lefapha la Ditsela le Ditiro tsa Botlhe(DRPW)

### BATHATI BA SELEGAE

- Mmasepala wa Selegae wa Moses Kotane (MKLM)
- Mmasepala wa Sedika wa Bojanala Platinum(BPDM)

**PKa kopo re itsise ga fona le maloko a tlaletso aa nang le kgatlhego le a amegang aa tshwanelwang ke go akarediwa.**

MEEPO YA POLATINAMO YA PILANESBERG  
POROJEKE YA KATOLOGO YA POLANTE

TSHEDIMOSETSO YA LEMORAGO LA LEKWALO LA IKWADISO LE FOROMO YA DIKARABO KWA MALOKONG AA NANG  
LE KGATLHEGO LE A AMEGANG

LETLHA		NAKO	
<b>DINTLHA KA GA LELOKO LELE NANG LE KGATLHEGO LELE LE AMEGANG</b>			
LEINA			
ATERESE YA POSO			
		<b>KHOUTO YA POSO</b>	
ATERESE YA BONNO			
		<b>KHOUTO YA POSO</b>	
NOMORE YA MOGALA TIRO/LETSATSING		NOMORE YA FEKESÉ TIRO/LETSATSING	
NOMORE YA SELEFOUNU		ATERESE YA E-MAIL	

**KA KOPO TLHAGISA KGATLHEGO YA GAGO MO POROJEKNG EE TSHITSHINNGWANG**

**KA KOPO KWALA DITSHWAELO LE DIPOTSO TSA GAGO FANO**

**Ka kopo busetsa dirofomo tse di tladitsweng go:**

Suan Mulder and/or Caitlin Hird  
SLR Consulting (Africa) (Pty) Ltd  
(011) 467 0945 (Mogala) le/kgotsa( 011) 467 0978 (Fekese)  
[smulder@slrconsulting.com](mailto:smulder@slrconsulting.com) kgotsa [chird@slrconsulting.com](mailto:chird@slrconsulting.com)



**MINUTES OF THE PLANNING AND INITIATION MEETING WITH COMMUNITY LEADERS FOR  
THE ENVIRONMENTAL AUTHORISATION PROCESS FOR THE PROPOSED PPM PLANT  
EXPANSION PROJECT**

DATE	19 March 2014
VENUE:	Bakgatla Ba Kgafela Tribal Offices
PROJECT:	PPM Plant Expansion Project
SLR COMPANY:	SLR Consulting Africa (Pty) Ltd
PROJECT NUMBER:	721.16002.00023
PURPOSE:	<p>The purpose of the meeting was:</p> <ul style="list-style-type: none"> <li>• Introduce SLR Consulting (Africa) (Pty) Ltd (SLR) and the SLR environmental project team for the proposed project <ul style="list-style-type: none"> <li>○ Suan Mulder – Project manager</li> <li>○ Ntsako Baloyi – Stakeholder engagement manager</li> </ul> </li> <li>• Provide an overview of the plant expansion project and the environmental processes</li> <li>• Present the proposed stakeholder engagement process</li> <li>• Obtain input from community representatives</li> <li>• Discuss the way forward</li> </ul>
ATTENDANCE:	Please see Appendix II

**1. OPEN AND INTRODUCTION**

The meeting was opened by Suan Mulder of SLR Consulting (South Africa) (Pty) Ltd (SLR). She explained the purpose of the meeting and introduced Ntsako Baloyi as the stakeholder manager for the project. She then asked every attendee to introduce themselves and the community they were representing.

**2. PRESENTATIONS**

The following attached presentations were given during the meeting:

- Overview of the PPM Plant Expansion Project by Suan Mulder (Appendix I)

Issues raised during the presentations are summarised in Table 1.

**3. DISCUSSIONS**

**TABLE 1: RECORD OF ISSUES RAISED AND RESPONSES GIVEN**

ISSUE RAISED	NAME	RESPONSE GIVEN BY THE PROJECT TEAM
PPM Plant Expansion Project		
Can we have more clarity on the difference between base metals and Platinum Group Metals (PGMs).	Tlhabane Pilane	<p>For the platinum mining industry, base metals include copper, nickel and cobalt, which is removed from the smelter matte in a base metals refinery.</p> <p>PGMs or platinum group metals include platinum palladium, rhodium, ruthenium, iridium and gold. These are the products from a precious metals refinery.</p>
Why are other mining companies not	Tlhabane	As stated, this is a new technology and

ISSUE RAISED	NAME	RESPONSE GIVEN BY THE PROJECT TEAM
using this new technology?	Pilane	many mining companies are still using the traditional smelting process and base metals refining process. Perhaps as time goes, more companies will explore the feasibility of using this new technology.
The pit is always expanding and we are concerned about how big it is getting and the impact it will have on surrounding communities.	Moses Mankgedi	This issue has been noted and will be forwarded to the mine to consider. This meeting is only for the plant expansion.
Can we request that you supply us with bigger maps to make it easier for us when we give feedback back to the communities?	Tlhabane Pilane	This request has been noted and will be implemented in the next meeting SLR will facilitate.
There is the community of Ramoga which has their own tribal council and they have never been involved in these type of consultation processes.	Moses Mankgedi	This issue has been noted and will be considered when planning the next public consultation process.
The community of Lesobeng/ Kgamata should also be included in these consultation processes as they are always forgotten.	Moses Mankgedi	The community of Lesobeng/ Kgamata has been involved in public consultation processes and will continue to be involved.
We have been having issues with blasting ever since the mine was opened. This affects a number of communities and it is about time that this issue is addressed by the mine. Common impacts include collapsing of boreholes, cracking of houses due to the vibrations and noise impacts due to the blast sound. If this is not addressed it will affect how communities respond to future projects and adds to the communities' lack of cooperation.	David Ntuane	This issue has been noted and will be forwarded to the mine to take forward.
There is machinery currently busy at the pit area. Why is an EIA only commencing now before it is approved?	Ben	The plant expansion project has not commenced and is only at the beginning of the EIA process. Other projects at the mine have concluded EIA processes and the machinery may be related to projects or activities that are already approved.
What are the relocations plans for Sedibelo for the affected communities?	Ben	A relocation specialist will be appointed to coordinate all relocation processes for the affected parties.
A blasting survey needs to be conducted in order to gather statistics for communities in understanding the blasting situation that is affecting nearby communities. This issue has become critical for communities. The mine needs to address it soon.	Joyce Pule	This issue has been noted and will be forwarded to the mine to take forward.
I am generally not in favour of a survey conducted by the community as it may create a lot of problems. The mine must give us a commitment on how we can address this critical issue. (Blasting)	Moses Mankgedi	This issue has been noted and will be forwarded to the mine to take forward.
Job creation remains the most important issue for all communities. This needs to be considered by the project.	Moses Mankgedi	This issue has been noted and will be investigated during the EIA/EMP phase of the project. By then it will be clear how many job opportunities will be created by the

ISSUE RAISED	NAME	RESPONSE GIVEN BY THE PROJECT TEAM
		project and the type of skills that will be required.
Our borehole levels have been affected. This needs to be investigated.	Magalane	This issue has been noted and will be forwarded to the mine to take forward.
We would like to be assisted with a community hall for our community.	Lekutung	This issue has been noted and will be forwarded to the mine to take forward.

#### 4. WAY FORWARD AND ACTIONS

The proposed dates for scoping meetings were agreed and are indicated in the table below:

**TABLE 2: PROPOSED COMMUNITY MEETING DATES AND VENUES**

DATE	TIME	VILLAGE	VENUE
Monday 07 April	09h00	Lekutung	Community Hall
	12h00	Lesobeng (Sedibelo)	Dan Segale Home
	15h00	Moruleng (Sedibelo)	BBKTA Hall
Tuesday 08 April	09h00	Legkraal/Bofule	Lekgotla Meeting Area
	12h00	Ramasedi	Lekgotla Meeting Area
	15h00	Ntswana-le-Metsing	Community Hall
Wednesday 09 April	09h00	Ngwedding	Community Hall
	12h00	Magalane	Community Hall
	15h00	Magong	Community Hall
Thursday 10 April	09h00	Manamokgoteng (Sedibelo)	Community Hall
	12h00	Mononono (Sedibelo)	Lekgotla Meeting Area
	15h00	Sefikile (Sedibelo)	Lekgotla Meeting Area
Friday 11 April	09h00	Motlhabe	Community Hall
	12h00	Lesethleng	Lekgotla Meeting Area

- The community leaders agreed that site notices be placed around the villages to advertise the upcoming combined scoping and feedback meetings.
- Large maps will be printed during the meetings to make it easy for communities to see the project area.
- The meetings will be held in Setswana.
- Ntsako Baloyi will be the contact person for public consultation process going forward.

#### 5. CLOSURE

The meeting was closed by Suan Mulder.



## **Pilanesberg Platinum Mines (Pty) Ltd: Proposed Plant Expansion Project**

Information sharing meeting with community leaders

19 March 2014

### **Agenda**

1. Welcome - Ntsako Baloyi
2. Purpose of the meeting – Ntsako Baloyi
3. Overview of the proposed plant expansion project – Suan Mulder
4. Overview of the environmental processes - Suan Mulder
5. Stakeholder engagement process - Ntsako Baloyi
6. Next steps – Ntsako Baloyi
7. Closure - Ntsako Baloyi

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## Purpose of the meeting

- Introduce SLR Consulting (Africa) (Pty) Ltd (SLR)
- SLR environmental project team for the proposed project
  - Suan Mulder – Project manager
  - Ntsako Baloyi – Stakeholder engagement manager
- Provide an overview of the plant expansion project and the environmental processes
- Present the proposed stakeholder engagement process
- Obtain input from community representatives
- Discuss the way forward

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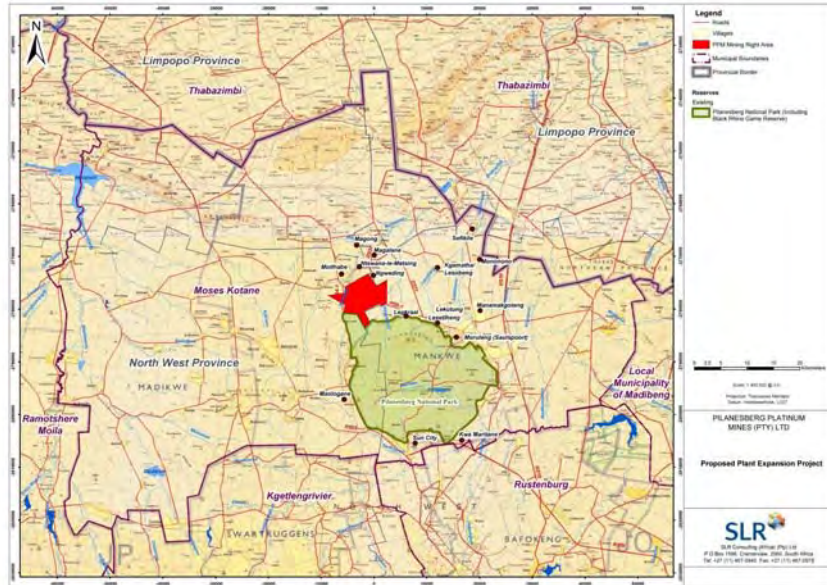
## Project overview

- Pilanesberg Platinum Mines (Pty) Ltd (PPM) owns and operates the Pilanesberg Platinum Mine, currently located on the farms Tuschenkomst 135 JP and Witkleifontein 136 JP.
- PPM holds the mining right for PGMs and related minerals on Tuschenkomst 135 JP, Witkleifontein 136 JP, Rooderand 46 JQ (portion 3) and Ruighoek 168 JP.

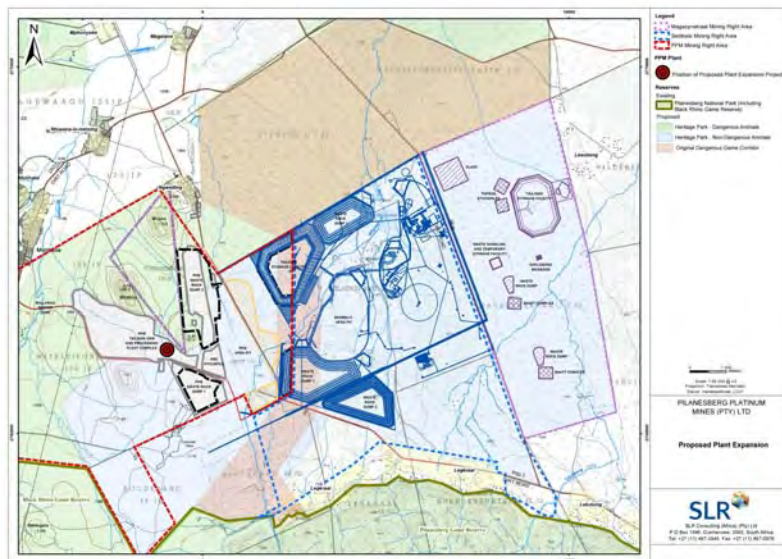
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### Regional setting



### Local setting



## Project overview: Existing operations

PPM is an existing opencast mining operation with mineral processing facilities. PPM now proposes to expand the mineral processing facilities on the farms Tuschenkomst 135 JP and Witkleifontein 136 JP.

The current mineral processing facility comprises the following main components:

- crushing and ore storage facilities;
- a series of milling and flotation circuits;
- tailings storage facility;
- surface water control infrastructure; and
- support infrastructure such as workshops, laboratory, storage area, offices, waste handling facilities etc.

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## Project overview: Proposed plant expansion

The expanded processing facility will extend the life of the processing operations to 50 years and will incorporate the following:

- another UG2 milling and flotation section;
- hydrometallurgical plant for the extraction of base metals from the flotation concentrate;
- two tailings retreatment plants for the treatment of tailings from the flotation sections as well the retreatment of tailings material from the tailings storage facility ; and
- a chrome recovery facility.

The hydrometallurgical plant will utilise new technology which replaces the conventional platinum smelting and base metal refining operations.

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## Environmental process

### What?

- Assessment of the potential impacts of the proposed project on the environment
- Environment definition
- Implementing appropriate management measures

### Why?

- Legal requirement
- It is the right thing to do

### How?

- Participation of interested and affected parties
- Specialist investigations
- Reporting
- Decision making

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## Environmental process

### Who makes the decisions?

- Department of Mineral Resources (DMR)
- Department of Economic Development, Environment, Conservation and Tourism (DEDECT)
- Department of Environmental Affairs (DEA)
- Department of Water Affairs (DWA)

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## Environmental process

### Different stages

- Application phase
- Scoping phase
- Environmental impact assessment (EIA) and environmental management programme (EMP) phase

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## Stakeholder engagement: Parties involved

### Interested and affected parties (IAPs)

- Surrounding landowners,
- Surrounding land users
- Surrounding communities
- Surrounding mines and industries
- Non-governmental organisations and associations

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## Stakeholder engagement: Parties involved (2)

### Regulatory authorities

- Department of Water Affairs (DWA)
- Department of Economic Development, Environment, Conservation and Tourism (DEDECT)
- Department of Mineral Resources (DMR)
- South Africa Heritage Resource Agency (SAHRA)
- Department of Land Reform and Rural Development (DLRRD)
- Department of Roads and Public Works (DRPW)

### Local authorities

- Moses Kotane Local Municipality (MKLM)
- Bojanala Platinum District Municipality (BPDM)

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## Stakeholder engagement: processes

### Notifications

- Application to authorities
- Newspaper advertisements
- Site notices

### Meetings

- Scoping phase meetings
- EIA feedback meetings

### Review of reports

- Scoping report
- EIA/EMP report

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## Next steps

- Site notices and newspaper advertisements;
- Scoping phase meetings
- Review and submission of scoping report
- EIA phase

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## PPM plant expansion scoping meetings with community

DATE	TIME	VILLAGE	VENUE
<b>Monday 07 April</b>	09h00	Lekutung	Lekgotla Meeting Area
	12h00	Lesobeng (Tuschenkomst Pit)	Dan Segale Home
	15h00	Moruleng (Tuschenkomst Pit)	BBKTA Hall
<b>Tuesday 08 April</b>	09h00	Legkraal/Bofule	Lekgotla Meeting Area
	12h00	Ramasedi	Lekgotla Meeting Area
	15h00	Ntswana-le-Metsing	Community Hall
<b>Wednesday 09 April</b>	09h00	Ngweding	Community Hall
	12h00	Magalane	Community Hall
	15h00	Magong Manamokgoteng (Tuschenkomst Pit)	Community Hall
<b>Thursday 10 April</b>	09h00	Manamokgoteng (Tuschenkomst Pit)	Community Hall
	12h00	Mononono (Tuschenkomst Pit)	Lekgotla Meeting Area
	15h00	Sefikile (Tuschenkomst Pit)	Lekgotla Meeting Area
<b>Friday 11 April</b>	09h00	Mothabe	Community Hall
	12h00	Lesethleng	Lekgotla Meeting Area

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**Closure**



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Project: PPM Plant Expansion Project

SLR Company: SLR Consulting (Africa) (Pty) Ltd

Date: 19 March 2014

Meeting: Information Sharing Meeting with Community Leaders



Name and Surname	Organisation/ Village	Postal Address	Contact Numbers	E-mail
Swan Mulder	SLR Consulting	PO Box 1596 Cameriview 2060	011 - 467 0945	smulder@slrconsulting.com
Ntsako Balyi	SLR Consulting	PO Box 1596 Cameriview 2060	011 - 467 0945	nbalayi@slrconsulting.com
Moses Manjageli	Ramasedi	P.O. Box 1404 Mogwase 0314	0736687956	
Jacob Mofiker	Magadane	P.O. Box 977 D. Mogomotsi Box 347 Keseletlheng.	0794559113	
Daniel Mogomotsi	Lekutung.	P.O. Box 751 Rhenosterkraal	0734530492	
S.T. Mogomotsi	Kyabang	P.O. Box 175 0518 Saulsपोर्ट	0833747374	
Thabane Alo	Methabe	P.O. Box 738 Rhenosterkraal Mogwase	0730093629	
Bonang P. Kim	NTSWANN-LE-METHABE	P.O. Box 297 MOTIHABE 0377	0796810486 0719558103	
Joyce Fule	METHABE	Box 711 Rhenosterkraal		
Mogang P. Rook	Mogang		0835492180	

Project: PPM Plant Expansion Project

SLR Company: SLR Consulting (Africa) (Pty) Ltd

Date: 19 March 2014



Meeting: Information Sharing Meeting with Community Leaders

Name and Surname	Organisation/ Village	Postal Address	Contact Numbers	E-mail
Mmusi Maitlo	BBCTA	P.O. Box 208 Saul's port 0318	076 294 3071 079 155 8854 014 556 7000	mmusi.maitlo@bbcta.co.za
Bern Ntwane	legoad	PO Box 11 Sodspora	0835053872	monopolentwane@gmail.com
Dumiso Ntseke	Jeskrath	PO 11 Sodspora	0833464669	_____



**PILANESBURG PLATINUM MINES (PTY) LTD (PPM)  
SCOPING AUTHORITIES MEETING FOR THE PROPOSED PLANT EXPANSION**

<b>DATE</b>	10h30, 21 May 2014
<b>VENUE:</b>	PPM boardroom
<b>PROJECT:</b>	PPM Plant Expansion EIA/EMP
<b>SLR COMPANY:</b>	SLR Consulting (Africa)
<b>PROJECT NUMBER:</b>	710.16002.20006
<b>PURPOSE:</b>	The purpose of the meeting was to: <ul style="list-style-type: none"><li>• provide authorities with an overview of the proposed PPM plant expansion project;</li><li>• identify issues to be addressed in the PPM plant expansion project; and</li><li>• provide an opportunity for the authorities to raise queries to the project team.</li></ul>
<b>ATTENDANCE:</b>	An attendance register is presented in Appendix 1.

**1. OPEN AND INTRODUCTION**

The meeting was opened by Jannie Coetzee (JC) from PPM whom introduced the proposed plant expansion project and the motivation behind it. JC then handed over to Suan Mulder (SM) and excused himself from the meeting due to production issues. SM from SLR then introduced the SLR project team which comprised herself as project manager, Caitlin Hird (CH) as author and project co-ordinator, and Ntsako Baloyi (NB) as stakeholder engagement specialist.

**2. PRESENTATIONS**

SM presented the plant expansion project using a powerpoint presentation (Appendix 2). The presentation delivered, also gave an outline of the environmental scoping process being undertaken for the Plant Expansion process as well as a list of anticipated impacts

**3. DISCUSSION**

All the issues that were raised in the meeting and the responses that were given have been recorded in Table 1 below.

**TABLE 1: RECORD OF ISSUES RAISED AND RESPONSES GIVEN**

ISSUE RAISED	NAME	RESPONSE GIVEN
<b>Technical/project related issues</b>		
Is waste water recirculated on the mine?	Rudzani Makahane (DWA)	Yes, all waste water is recirculated.
Will there be any additional water requirements for the purposes of the project?		This has not yet been established. A detailed water balance will be compiled and it will then be determined whether there will be any additional water required.
Will the footprint of the mine be increased as a result of the project?	Ramashala Lethabo (DWA)	The project footprint will not be increased. The infrastructure will be located in the existing plant footprint.
<b>Socio-economic issues</b>		
As far as stakeholder engagement is concerned, I understand that you have been engaging with some NGOs and other stakeholders. We would also like to see all formal opinions from these IAPs. These should be included as hard copies in addition in the various reports in addition to their comments which are included in the issues table.	Phumudzo Nethwadzi (DMR)	SLR will ensure that copies of all comments raised by interested and affected parties (including NGOs) are included in the reports which are submitted.
<b>Surface and groundwater issues</b>		
I would like to establish whether the tributaries you mention are perennial watercourses?	Phumudzo Nethwadzi (DMR)	No these streams are non-perennial. Their flow patterns are mostly associated with flash floods and very heavy rains.
<b>Biodiversity issues</b>		
I am concerned about invader species and the spread of aliens in the area.	Raesibe Nolivia Mashiane (DAFF)	This will be addressed by the biodiversity specialist. A control plan will be compiled and this will be provided in the EMP.



#### **4. THE WAY FORWARD**

SM explained that all the raised issues in relation to the proposed plant expansion project would be captured and would be included as terms of reference for the EIA/EMP phase going forward. Once compiled, this scoping report would be made available to regulatory authorities for review.

#### **5. CLOSE**

The meeting was closed by SM.

## APPENDIX 1: ATTENDANCE REGISTER

Name and Surname	Interest in project	Postal address	Contact numbers	E-mail
Suan Mulder	SLR	P.O. Box 1596 Cramerview 2060	011 467 0945	<a href="mailto:smulder@slrconsulting.com">smulder@slrconsulting.com</a>
Caitlin Hird				<a href="mailto:chird@slrconsulting.com">chird@slrconsulting.com</a>
Rudzani Makahane	Department of Water Affairs (DWA)	Private Bag X357 Hartebeespoort 0116	012 207 9911	<a href="mailto:makahaner@dwa.gov.za">makahaner@dwa.gov.za</a>
Ramashala Lethabo				<a href="mailto:ramashalar@dwa.gov.za">ramashalar@dwa.gov.za</a>
Raesibe Nolivia Mashiane	Department of Agriculture Forestry and Fisheries (DAFF)	PO Box 2557 Potchefstroom 2520	018 285 0311 083 781 5967	<a href="mailto:raesibem@daff.gov.za">raesibem@daff.gov.za</a>
Gladys Mushome	Department of Mineral Resources (DMR)	Private Bag A1 Klerksdorp 2570	018 487 9830	<a href="mailto:Ntanganedzeni.Mushome@dmr.gov.za">Ntanganedzeni.Mushome@dmr.gov.za</a>
Phumudzo Nethwadzi				<a href="mailto:Phumudzo.nethwadzi@dmr.gov.za">Phumudzo.nethwadzi@dmr.gov.za</a>
Peter Lentsoane	PPM		082 319 0247 014 555 1800	<a href="mailto:plentsoane@platmin.com">plentsoane@platmin.com</a>
Willem Hagen			083 747 7755	<a href="mailto:whagen@platmin.com">whagen@platmin.com</a>
Jannie Coetzee				<a href="mailto:jcoetzee@platmin.com">jcoetzee@platmin.com</a>

## APPENDIX 2: PRESENTATION



# **PILANESBERG PLATINUM MINES (PTY) LTD**

## **SCOPING PHASE AUTHORITIES MEETING FOR THE PROPOSED PLANT EXPANSION**

21 May 2014

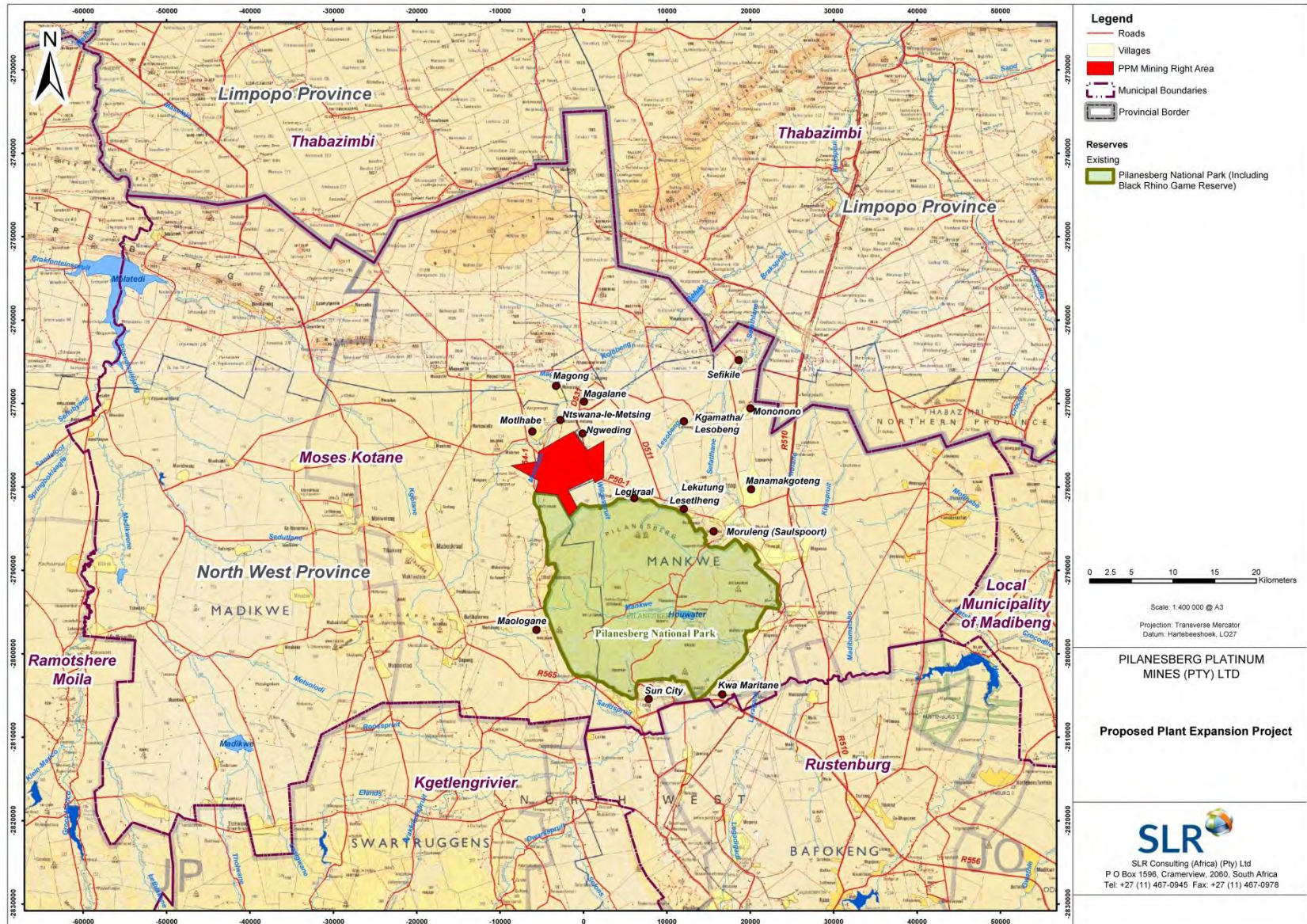
# AGENDA

1. Welcome and introductions
2. Overview of current environmental processes being undertaken for PPM by SLR
3. Project overview – environmental process & project scope
4. Current state of the environment
5. Issues and comments
6. Closure

# INTRODUCTIONS

- SLR Consulting (Africa) (Pty) Ltd (SLR) is an independent environmental consultancy company which undertakes environmental impact assessment processes
- SLR environmental team for the proposed projects
  - Suan Mulder – Project Manager
  - Ntsako Baloyi – Stakeholder Engagement Manager
  - Caitlin Hird - Project Assistant

# REGIONAL SETTING



# CURRENT SLR/SEDIBELO PLATINUM MINES (PTY) LTD ENVIRONMENTAL ASSESSMENT PROCESSES

Applicant	Proposed Project Name	Location of proposed project	EIA Status
<b>Pilanesberg Platinum Mines (Pty) Ltd (PPM)</b>	Plant Expansion	Tuschenkomst 135 JP Witkleifontein 136 JP	Scoping phase stakeholder engagement meetings in progress (today's meeting)
<b>Pilanesberg Platinum Mines (Pty) Ltd (PPM)</b>	Tuschenkomst Pit Extension	Tuschenkomst 135 JP Wilgespruit 2 JQ Rooderand 46 JQ (Ptn 1)	EIA/EMP to be submitted shortly for review
<b>Itereleng Bakgatla Mineral Resources (Pty) Ltd (IBMR)</b>	Sedibelo Platinum Mine – Changes in surface infrastructure	Wilgespruit 2 JQ, Rooderand 46 JQ (Ptn 1) Legkraal 45JQ Koedoesfontein 42 JQ	EIA/EMP to be submitted for review in June 2014
<b>Richtrau No. 123 (Pty) Ltd (Richtrau)</b>	Establishment of an underground platinum mining operation	Magazynskraal 3 JQ	EIE/EMP submitted for decision making end 2013.



# PURPOSE OF MEETING

## **Purpose of the meeting:**

- Provide an overview of the environmental process
- Provide an overview of proposed project and existing status of environment
- Provide information on potential impacts
- Raise and record environmental issues

## **Information gained from today's meeting will be used to compile the Scoping Report, which:**

- Sets out all issues that have to be investigated further
- Sets out which investigations will be performed and how
- Is the “agreed approach” between the authorities, the public and the project team

# ENVIRONMENTAL PROCESS

What?	Why?	How?
<ul style="list-style-type: none"><li>• Assessment of the potential impacts of the proposed project on the environment</li><li>• Implementing appropriate management measures</li></ul>	<ul style="list-style-type: none"><li>• Legal requirement (MPRDA; NEMA; NWA; NEMAQA)</li><li>• It is the right thing to do</li></ul>	<ul style="list-style-type: none"><li>• Participation of interested and affected parties</li><li>• Specialist investigations</li><li>• Reporting</li><li>• Decision making</li></ul>
<p><b>Different stages</b></p> <ul style="list-style-type: none"><li>• Scoping phase</li><li>• Environmental impact assessment (EIA) and environmental management programme (EMP) phase</li></ul>		

# ENVIRONMENTAL PROCESS

## Who is involved?

### Interested and affected parties (IAPs):

- Surrounding landowners, land users and communities
- Surrounding mines and industries
- Non-governmental organisations and associations

### Regulatory authorities:

- Department of Economic Development, Environment, Conservation and Tourism\*
- Department of Mineral Resources\*
- Department of Water Affairs
- Department of Environmental Affairs
- Department of Agriculture, Fisheries and Forestry
- South Africa Heritage Resource Agency
- Department of Land Reform and Rural Development
- Department of Roads and Public Works

\* Decision-makers

### Local authorities:

- Moses Kotane Local Municipality (MKLM)
- Bojanala Platinum District Municipality (BPDM)

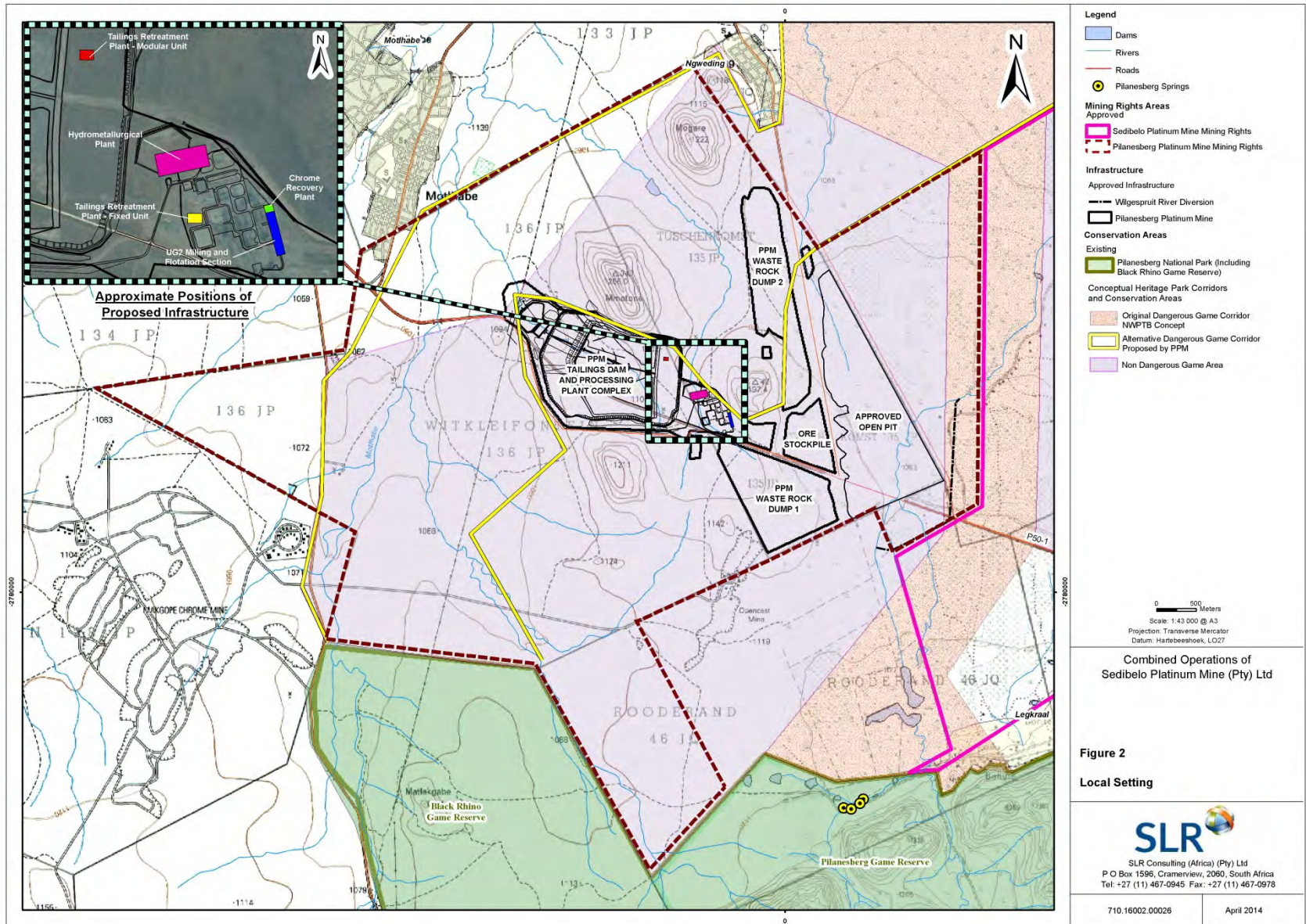
# PROJECT OVERVIEW: EXISTING PPM OPERATIONS (1)

PPM is an existing open pit mining operation with mineral processing facilities. PPM now proposes to expand the mineral processing facilities on the farms Tuschenkomst 135 JP and Witkleifontein 136 JP.

The current mineral processing facility comprises the following main components:

- crushing and ore storage facilities
- a series of milling and flotation circuits
- tailings storage facility
- surface water control infrastructure
- support infrastructure such as workshops, laboratory, storage area, offices, waste handling facilities etc.

# PROJECT OVERVIEW: LOCAL SETTING (2)



# PROJECT OVERVIEW: PROPOSED PLANT EXPANSION (3)

The expanded processing facility will extend the life of the processing operations to 50 years and will incorporate the following:

- UG2 milling and flotation section
- hydrometallurgical plant for the extraction of base metals from the flotation concentrate
- two tailings retreatment plants for the treatment of tailings from the flotation sections as well the retreatment of tailings material from the tailings storage facility
- a chrome recovery facility.

The hydrometallurgical plant will utilise new technology which replaces the conventional platinum smelting and base metal refining operations.

# PROJECT OVERVIEW (4)



**Existing PPM Plant**



**Milling circuit**



**Base metal refinery – the hydrometallurgical plant at PPM will be a similar installation**

# STATUS OF EXISTING ENVIRONMENT

**Climate:** The project sites fall within the Highveld Climatic Zone. Temperatures are generally mild and rainfall is limited to the summer months.

**Land use:** Main land uses include residential areas, subsistence dry land agriculture, small-scale commercial agriculture and communal livestock grazing. PPM is also surrounded by mining operations, conservation and eco-tourism activities, associated with private land, the proposed heritage park corridor and the Pilanesberg National Park.

**Geology:** The project sites are located in the Western Limb of Bushveld Igneous Complex.

**Topography:** Relatively flat landscape on the project sites. Average elevation is 1060 metres above mean seal level (mamsl) on site. Surrounding landscape is punctuated by isolated koppies. Hills associated with the Pilanesberg National Park are located to the south of the proposed project areas.

**Soils and land capability:** Soils are dominated by “black-turf” with grazing and limited arable potential.



## STATUS OF EXISTING ENVIRONMENT – cont.

**Animal life:** A wide variety of animal species occur in the area, including Red Data species. Sites have been disturbed by community activities such as grazing.

**Plant life:** The area in which the project area is located is referred to as the Savannah Biome. The main vegetation type is referred to as Dwaalboom Thornveld.

**Surface water:** The site falls into the upper reaches of quaternary catchment A24D of the Crocodile River. The non-perennial stream that receives water from the majority of the site is the Motlhabe, which is a tributary of the perennial stream Kolobeng. The non-perennial Manyedime and Wilgespruit receive water from the Tuschenkomst area towards the north and northeast respectively. Surface water quality in the area generally reflects elevated concentrations of fluoride, manganese, aluminium and iron. Stream flow is irregular and only occurs after heavy rains, therefore reliance is limited.

## STATUS OF EXISTING ENVIRONMENT – cont.

**Groundwater:** The average water level in the project area ranges from 12 – 50 mbgl. The water quality in the project area varies between good (Class I) (acceptable) and poor (Class III) (poor) when compared to drinking water standards (South African National Standard (SANS 241:2006). Elevated fluoride levels occur naturally due to the high concentrations of fluorite in the foyaite formations in the Pilanesberg complex. There is a reliance on groundwater in the area.

**Air quality:** Apart from the current PPM Mine operations, various activities in the area have potential to contribute to the emission of pollutants. These pollutants include: fugitive dust from veld fires, wind erosion from open areas, dust generated by agricultural activities, vehicle tailpipe emissions, mining emissions and household fuel combustion.

**Visual:** The area can be described as bushveld plains interrupted by the Pilanesberg, hills to the north and the south as well as mines and infrastructure that form part of the man-made features. The existing mining operations and construction activities have already affected the sense of place and natural visual character of the area.

# STATUS OF EXISTING ENVIRONMENT – cont.

**Noise:** There are a number of existing noise sources associated with existing mining operations, traffic and community activities in the area. Noise levels vary by a considerable margin with changes in wind direction and temperature profiles in the lower atmosphere.

**Heritage and cultural resources:** Numerous heritage resources were identified in and around the project area as illustrated. The most important heritage resource discovered in the area is a cultural landscape constituted by large numbers of isolated and clusters of late Iron Age stone wall sites at the koppies of Mogare, Mmatone, Patswane and Mukukunupu on the farms Tuschenkomst 135 JP and Witkleifontein 136 JP.

**Socio-economic:** There are private land owners and several communities located within close proximity to the mine. The socio-economic conditions of these communities range from poor to fair. There is a high level of unemployment with a dependency on subsistence agriculture, the public sector, seasonal workers and employment in the mining sector. Water provision and sanitation remains a challenge.

# POTENTIAL ANTICIPATED IMPACTS

- loss and sterilisation of mineral resources
- safety risks to people and animals as a result of the establishment of infrastructure and excavations
- loss of soil resources and land capability
- disturbance to and loss of biodiversity
- alteration of natural drainage patterns
- contamination of surface and ground water resources
- reduction in the availability of water resources
- air pollution
- noise pollution
- visual disturbance
- damage to or disturbance of heritage resources
- impact on surrounding land uses
- traffic impacts
- socio- economic impacts.

# OPPORTUNITY TO RAISE ISSUES AND/OR CONCERNS

# NEXT STEPS

- Scoping Report public and authority review (June 2014)
  - Scoping report (English)
  - Summary (English/ Tswana): per post/ e-mail, distribution at community venues
- Regulatory authorities and IAPs: 40 days to submit comments
- Conduct specialist investigations and complete EIA
- Stakeholder engagement meetings in EIA Phase and opportunity to review EIA and EMP report

Closure

Project: 110.16002.00026.- Plane expansion project

Date: 10h00, 21 May 2014

Meeting: Authorities Scoping meeting

Page: \_\_\_\_\_ of \_\_\_\_\_



Name and Surname	Interest in project	Postal address	Contact numbers	E-mail
swan Mulder	SLR	PO Box 15916 Cramerville 2060	011 4610945	smulder@sirconsulting.com
Caitlin Hird	SLR	"	"	chird@sirconsulting.com
Rudrani Makahane	DWA	P/Bag X 357 Hartbeespoort 0216	012 2079911	makahane.r@dwa.gov.za
Ramashala Lethabo	DWA	"	"	ramashala@dwa
RAESIBE NOLIVIA MASHANE	DAFF	P.O. Box 2557 POICHIFFS ROOM 2520	018 2850311/ 083 781 5967	RaesibeM@daff.gov.za
Steadys Muchome	DMR	Private Bag A1 Klerksdorp 2570	018 487 9830	Ntengamedzeni.Muchome @dwa.gov.za
Phumudzo Hefumadzi Peters	Dmr	Private Bag A, Klerksdorp 2570	018 487 9830 082 467 0886	Phumudzo.netumadzi @dwa.gov.za
Wentsoane Willen HAGEN	PPM	P-50 Road Monyony Road PPM	082 319 0247 (014) 555 1800 083 74 777 55 (014) 555 1800	plentsoane@platinm.com whagon@platinm.com



**PILANESBURG PLATINUM MINES (PTY) LTD**

**FOCUS MEETING FOR THE PROPOSED PLANT EXPANSION WITH MR CHRIS BASSON FROM  
BLACK RHINO GAME RESERVE**

<b>DATE</b>	11h30, 07 April 2014
<b>VENUE:</b>	PPM Main Boardroom
<b>PROJECT:</b>	PPM Plant Expansion EIA/EMP
<b>SLR COMPANY:</b>	SLR Consulting (Africa)
<b>PROJECT NUMBER:</b>	710.16002.20006
<b>PURPOSE:</b>	<p>The purpose of the meeting was to:</p> <ul style="list-style-type: none"> <li>• provide Mr Basson with an overview of the proposed PPM Plant Expansion project; and</li> <li>• identify issues to be addressed in the PPM Plant Expansion project;</li> <li>• provide an opportunity for Mr Basson to raise queries with regards to the project</li> </ul>
<b>ATTENDANCE:</b>	<p>Mr Chris Basson – Chairman of the home owners association: Black Rhino Game Reserve  Mr Casper Badenhorst – Chief Operating Officer- Pilanesberg Platinum Mines (Pty) Ltd (PPM)  Mr Dean Riley – PPM Project Manager – Platmin (Sedibelo Platinum Mines)  Ms Suan Mulder – Environmental Process Project Manager – SLR Consulting (Africa) Pty Ltd (SLR)</p> <p>A signed attendance register is presented in Appendix 1.</p>

**1. INTRODUCTION AND PRESENTATION**

Mr Dean Riley (DR) opened the meeting and provided a brief overview of the PPM plant expansion project. Ms Suan Mulder (SM) gave a brief overview of the project description after which Mr Dean Riley provided more technical details regarding the hydrometallurgical plant, which will be based on the KELL process technology. A copy of Suan Mulder's presentation is attached in Appendix 2.

**2. DISCUSSION**

All the issues that were raised in the meeting and the responses that were given have been recorded in Table 1 below.



**TABLE 1: RECORD OF ISSUES RAISED AND RESPONSES GIVEN**

ISSUE RAISED	NAME	RESPONSE GIVEN
<b>Technical/project related issues</b>		
When is PPM expected to commence with the construction of the Hydrometallurgical plant?	Chris Basson – Black Rhino Game Reserve	If the project is approved, the construction of the hydrometallurgical plant is expected to commence in 2016.
<b>Surface and ground water pollution</b>		
It is assumed that PPM is responsible and that the effluent which will be generated from the hydrometallurgical plant will be disposed in a responsible manner.	Chris Basson – Black Rhino Game Reserve	The effluent from the hydrometallurgical plant will be co-disposed with the tailings from the flotation circuit onto the existing PPM tailings storage facility. A detailed geochemical investigation will be undertaken as part of the groundwater study during the EIA phase.
<b>Noise issues</b>		
I am concerned about the noise levels, in particular from the additional milling circuit. Please investigate screening methodologies to mitigate the impact from noise and vibration from the plant, especially at night.	Chris Basson – Black Rhino Game Reserve	The hydrometallurgical plant will be contained within a building. A noise study will be undertaken during EIA phase.
Is alternative technology available to mitigate the noise levels from the existing PPM pit?	Chris Basson – Black Rhino Game Reserve	At this stage limited proven technology is available.
<b>Visual issues</b>		
I am concerned about the effect of additional lighting in the area.	Chris Basson – Black Rhino Game Reserve	A visual study, which will specifically look into the effect of night lighting, will be undertaken during the EIA phase.
By how much is the existing tailings storage facility to grow in height? When is the rehabilitation of this dam going to commence?	Chris Basson – Black Rhino Game Reserve	The dam is expected to increase by another 10m in height. Rehabilitation will commence within the next 3-4 years.

### **3. THE WAY FORWARD**

SM explained that all the raised issues in relation to the Plant Expansion project have been captured and would be included as terms of reference for the EIA/EMP phase going forward. Once compiled, this scoping report would be made available for public review.

### **4. CLOSE**

The meeting was closed by DR.

**APPENDIX 1: ATTENDANCE REGISTER**





## APPENDIX 2: PRESENTATION

Black Rhino

Pilanesberg Platinum Mines (Pty) Ltd

SITE: PPM - site meeting

7 April 2014

Name	Surname	Community/ Affiliation	Tel. No. / Cell no.	Email/ Postal Address	Signature
Swan	Mulder	SUR consulting	0837791730	smulder@surconsulting.com	
Casper	Badelhof	PPM	082872387	cbad@hord@platinum.com	
Cherry	RAPPAPORT	RHAD	0924453445	RHAPSAPORT@RHAD.CO.ZA	
Don	RUIEY	PPM	0828022981	DRUIEY@PPM.CO	

SLR Consulting (Africa) (Pty) Ltd

Project: Plant expansion



## **PILANESBERG PLATINUM MINES (PTY) LTD**

### **SCOPING PHASE STAKEHOLDER ENGAGEMENT MEETING FOR THE PROPOSED PLANT EXPANSION**

7 April 2014

## **AGENDA**

1. Welcome and introduction
2. Overview of current environmental processes being undertaken by SLR
3. Format and 'rules' of the meeting
4. Scoping phase stakeholder engagement meeting for the proposed plant expansion
5. Closure

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## INTRODUCTIONS

- SLR Consulting (Africa) (Pty) Ltd (SLR) is an independent environmental consultancy company which undertakes environmental impact assessment processes
- SLR environmental team for the proposed projects
  - Ntsako Baloyi – Stakeholder Engagement Manager
  - Suan Mulder – Project Manager – Plant expansion project
  - Caitlin Pringle & Sam Scott – Project Assistants

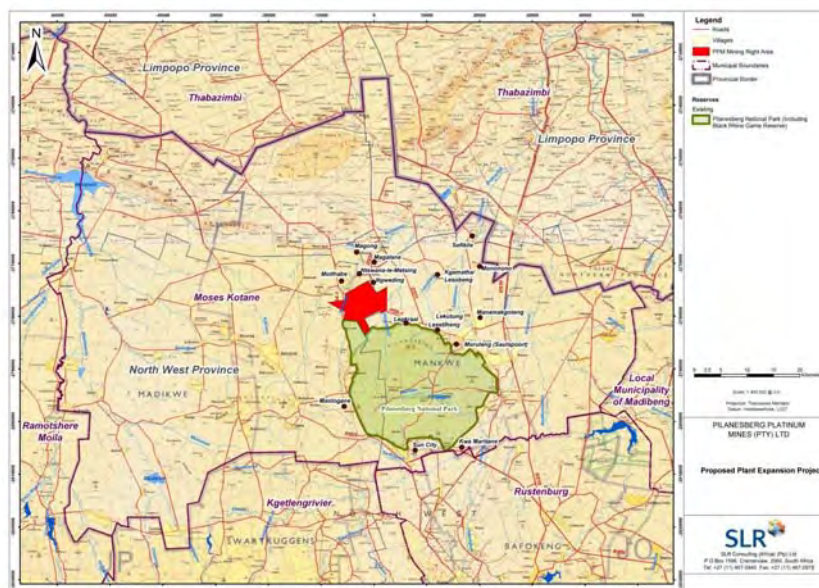
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## REGIONAL SETTING

Session 1



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## CURRENT SLR/SEDIBELO PLATINUM MINES (PTY) LTD ENVIRONMENTAL ASSESSMENT PROCESSES

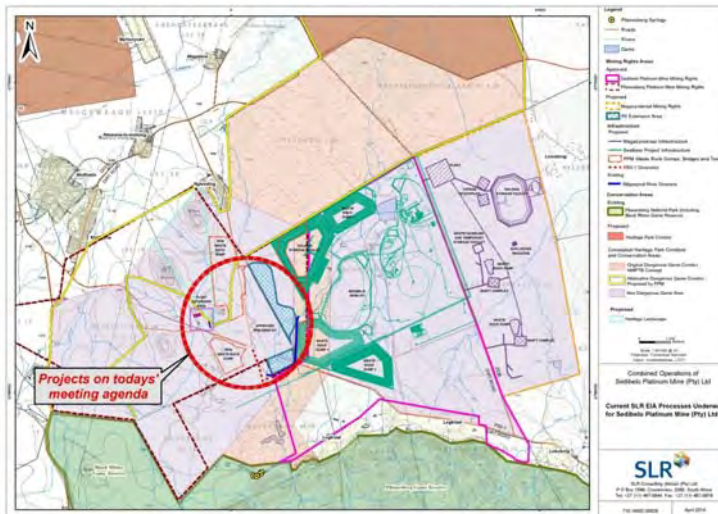
Applicant	Proposed Project Name	Location of proposed project	EIA Status
Pilanesberg Platinum Mines (Pty) Ltd (PPM)	Plant Expansion	Tuschenkomst 135 JP Witkleifontein 136 JP	Scoping phase stakeholder engagement meetings in progress (included in today's meeting)
Pilanesberg Platinum Mines (Pty) Ltd (PPM)	Tuschenkomst Pit Extension	Tuschenkomst 135 JP Wilgespruit 2 JQ Rooderand 46 JQ (Ptn 1)	EIA/EMP feedback meetings in progress (included in today's meeting)
Itereleng Bakgatla Mineral Resources (Pty) Ltd (IBMR)	Sedibelo Platinum Mine – Changes in surface infrastructure	Wilgespruit 2 JQ, Rooderand 46 JQ (Ptn 1) Legkraal 45JQ Koedoesfontein 42 JQ	EIA/EMP to be submitted for review in June 2014
Richtrau No. 123 (Pty) Ltd (Richtrau)	Establishment of an underground platinum mining operation	Magazynskraal 3 JQ	EIE/EMP submitted for decision making end 2013.

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Intro

## LOCATION OF PROPOSED PROJECT CURRENTLY IN ENVIRONMENTAL ASSESSMENT PROCESSES PHASES



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## ENVIRONMENTAL PROCESS

What?	Why?	How?
<ul style="list-style-type: none"> <li>Assessment of the potential impacts of the proposed project on the environment</li> <li>Environment definition</li> <li>Implementing appropriate management measures</li> </ul>	<ul style="list-style-type: none"> <li>Legal requirement</li> <li>It is the right thing to do</li> </ul>	<ul style="list-style-type: none"> <li>Participation of interested and affected parties</li> <li>Specialist investigations</li> <li>Reporting</li> <li>Decision making</li> </ul>
<p><b>Different stages</b></p> <ul style="list-style-type: none"> <li>Scoping phase</li> <li>Environmental impact assessment (EIA) and environmental management programme (EMP) phase</li> </ul>		

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## ENVIRONMENTAL PROCESS

Who is involved?		
<p><b>Interested and affected parties (IAPs):</b></p> <ul style="list-style-type: none"> <li>Surrounding landowners, land users and communities</li> <li>Surrounding mines and industries</li> <li>Non-governmental organisations and associations</li> </ul>	<p><b>Regulatory authorities:</b></p> <ul style="list-style-type: none"> <li>Department of Water Affairs</li> <li>Department of Economic Development, Environment, Conservation and Tourism*</li> <li>Department of Mineral Resources*</li> <li>Department of Environmental Affairs*</li> <li>South Africa Heritage Resource Agency</li> <li>Department of Land Reform and Rural Development</li> <li>Department of Roads and Public Works</li> </ul> <p>* Decision-makers</p>	<p><b>Local authorities:</b></p> <ul style="list-style-type: none"> <li>Moses Kotane Local Municipality (MKLM)</li> <li>Bojanala Platinum District Municipality (BPDM)</li> </ul>

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Intro



## PROJECT OVERVIEW: EXISTING PPM OPERATIONS

PPM is an existing open pit mining operation with mineral processing facilities. PPM now proposes to expand the mineral processing facilities on the farms Tuschenkomst 135 JP and Witkleifontein 136 JP.

The current mineral processing facility comprises the following main components:

- crushing and ore storage facilities
- a series of milling and flotation circuits
- tailings storage facility
- surface water control infrastructure
- support infrastructure such as workshops, laboratory, storage area, offices, waste handling facilities etc.

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## PROJECT OVERVIEW: PROPOSED PLANT EXPANSION

The expanded processing facility will extend the life of the processing operations to 50 years and will incorporate the following:

- UG2 milling and flotation section
- hydrometallurgical plant for the extraction of base metals from the flotation concentrate
- two tailings retreatment plants for the treatment of tailings from the flotation sections as well the retreatment of tailings material from the tailings storage facility
- a chrome recovery facility.

The hydrometallurgical plant will utilise new technology which replaces the conventional platinum smelting and base metal refining operations.

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## PROJECT OVERVIEW: EXAMPLES OF SIMILAR INSTALLATIONS

Typical milling circuit



Base metal refinery – the hydrometallurgical plant at PPM will be a similar installation



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## STATUS OF EXISTING ENVIRONMENT

**Climate:** The project sites fall within the Highveld Climatic Zone. Temperatures are generally mild and rainfall is limited to the summer months.

**Land use:** Main land uses include residential areas, subsistence dry land agriculture, small-scale commercial agriculture and communal livestock grazing. PPM is also surrounded by mining operations, conservation and eco-tourism activities, associated with private land, the proposed heritage park corridor and the Pilanesberg National Park.

**Geology:** The project sites are located in the Western Limb of Bushveld Igneous Complex.

**Topography:** Relatively flat landscape on the project sites. Average elevation is 1060 metres above mean seal level (mamsl) on site. Surrounding landscape is punctuated by isolated koppies. Hills associated with the Pilanesberg National Park are located to the south of the proposed project areas.

**Soils and land capability:** Soils are dominated by “black-turf” with grazing and limited arable potential.

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## STATUS OF EXISTING ENVIRONMENT – cont.

**Animal life:** A wide variety of animal species occur in the area, including Red Data species. Sites have been disturbed by community activities such as grazing.

**Plant life:** The area in which the project area is located is referred to as the Savannah Biome. The main vegetation type is referred to as Dwaalboom Thornveld.

**Surface water:** The site falls into the upper reaches of quaternary catchment A24D of the Crocodile River. The non-perennial stream that receives water from the majority of the site is the Motlhabe which is a tributary of the perennial stream Kolobeng. The non-perennial Manyedime and Wilgespruit receive water from the Tuschenkomst area towards the north and northeast respectively. Surface water quality in the area generally reflects elevated concentrations of fluoride, manganese, aluminium and iron. Stream flow is irregular and only occurs after heavy rains, therefore reliance is limited.

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## STATUS OF EXISTING ENVIRONMENT – cont.

**Groundwater:** The average water level in the project area ranges from 12 – 50 mbgl. The water quality in the project area varied between good (Class I) (acceptable) and poor (Class III) (poor) when compared to drinking water standards (South African National Standard (SANS 241:2006). Elevated fluoride levels occur naturally due to the high concentrations of fluorite in the foyaite formations in the Pilanesberg complex. There is a reliance on groundwater in the area.

**Air quality:** Apart from the current PPM Mine operations, various activities in the area have potential to contribute to the emission of pollutants. These pollutants include: fugitive dust from veld fires, wind erosion from open areas, dust generated by agricultural activities, vehicle tailpipe emissions, mining emissions and household fuel combustion.

**Visual:** The area can be described as bushveld plains interrupted by the Pilanesberg, hills to the north and the south as well as mines and infrastructure that form part of the man-made features. The existing mining operations and construction activities have already affected the sense of place and natural visual character of the area.

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## STATUS OF EXISTING ENVIRONMENT – cont.

**Noise:** There are a number of existing noise sources associated with existing mining operations, traffic and community activities in the area. Noise levels vary by a considerable margin with changes in wind direction and temperature profiles in the lower atmosphere.

**Heritage and cultural resources:** Numerous heritage resources were identified in and around the project area as illustrated. The most important heritage resource discovered in the area is a cultural landscape constituted by large numbers of isolated and clusters of late Iron Age stone wall sites at the koppies of Mogare, Mmatone, Patswane and Mukukunupu on the farms Tuschenkomst 135 JP and Witkleifontein 136 JP.

*Are there any sites of cultural importance that we should know about?*

**Socio-economic:** There are private land owners and several communities located within close proximity to the mine. The socio-economic conditions of these communities range from poor to fair. There is a high level of unemployment with a dependency on subsistence agriculture, the public sector, seasonal workers and employment in the mining sector. Water provision and sanitation remains a challenge.

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## POTENTIAL ANTICIPATED IMPACTS

- loss and sterilisation of mineral resources
- safety risks to people and animals as a result of the establishment of infrastructure and excavations
- loss of soil resources and land capability
- disturbance to and loss of biodiversity
- alteration of natural drainage patterns
- contamination of surface and ground water resources
- reduction in the availability of water resources
- air pollution
- noise pollution
- visual disturbance
- damage to or disturbance of heritage resources
- impact on surrounding land uses
- traffic impacts
- socio- economic impacts.

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## OPPORTUNITY TO RAISE ISSUES AND/OR CONCERNS

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## NEXT STEPS

- Scoping Report public and authority review (June 2014)
  - Scoping report (English)
  - Summary (English/ Tswana): per post/ e-mail, distribution at community venues
- Suggested venues?
- Regulatory authorities and IAPs: 40 days to submit comments
- Conduct specialist investigations and complete EIA
- Stakeholder engagement meetings in EIA Phase and opportunity to review EIA and EMP report

Closure

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**MINUTES OF THE SCOPING MEETING HELD WITH THE FEDERATION FOR SUSTAINABLE ENVIRONMENT (FSE) FOR THE PROPOSED PPM PLANT EXPANSION PROJECT**

DATE	8 May 2014
VENUE:	SLR Offices, Fourways
PROJECT:	PPM Plant Expansion Project
SLR COMPANY:	SLR Consulting Africa (Pty) Ltd
PROJECT NUMBER:	721.16002.00023
PURPOSE:	<p>The purpose of the meeting was:</p> <ul style="list-style-type: none"> <li>• Introduce the SLR Consulting (Africa) (Pty) Ltd (SLR) environmental project team for the proposed project <ul style="list-style-type: none"> <li>○ Suan Mulder – Project manager</li> <li>○ Caitlin Hird – Project Co-ordinator</li> <li>○ Ntsako Baloyi – Stakeholder engagement manager</li> </ul> </li> <li>• Provide an overview of the plant expansion project and the environmental processes</li> <li>• Obtain input from FSE representatives</li> <li>• Discuss the way forward</li> </ul>
ATTENDANCE:	Please see Appendix 1

**1. OPEN AND INTRODUCTION**

The meeting was opened by Suan Mulder of SLR Consulting (South Africa) (Pty) Ltd (SLR). She welcomed Mariëtte Liefferink from the FSE and explained the purpose of the meeting and introduced Caitlin Hird as the Project Co-ordinator for the project.

**2. PRESENTATIONS**

SM presented the plant expansion project using a powerpoint presentation (Appendix 2). The presentation delivered, also gave an outline of the environmental scoping process being undertaken for the Plant Expansion process as well as a list of anticipated impacts. For purposes of clarity, the presentation included an overview of all environmental processes undertaken as well as those underway

Issues raised during the presentations are summarised in Table 1.

**3. DISCUSSIONS**

**4. TABLE 1: RECORD OF ISSUES RAISED AND RESPONSES GIVEN**

ISSUE RAISED	NAME	RESPONSE GIVEN BY THE PROJECT TEAM
PPM Plant Expansion Project		
I am concerned about the compounded impact of mining in the area and the impact on future end land use. The EIA/EMP should emphasise the post closure end land uses. It is not possible to determine the rehabilitation measures and objectives unless the future land use,	Mariëtte Liefferink	



ISSUE RAISED	NAME	RESPONSE GIVEN BY THE PROJECT TEAM
in the context of societal and environmental expectations, has been determined.		
I would like to raise a concern regarding the public participation process and the potential for stakeholder fatigue. I would like to enquire as to whether the scoping meetings for the proposed project were well attended and supported and whether the mine was represented at these meetings. I would like to stress the importance of PPM attending these meetings.	Mariëtte Liefferink	<p>Nine public scoping meetings were held in doorstep communities between the 7<sup>th</sup> and 11<sup>th</sup> April 2014. The communities addressed for the purposes of the project included the following:</p> <ul style="list-style-type: none"> <li>• Lekutung;</li> <li>• Legkraal/Bofule;</li> <li>• Ramasedi;</li> <li>• Ntswana-le-Metsing;</li> <li>• Ngweding;</li> <li>• Magalane;</li> <li>• Magong;</li> <li>• Motlhabe; and</li> <li>• Lesetlheng.</li> </ul> <p>PPM did not attend any of the scoping meetings with the communities.</p>
I would like to recommend that an independent party facilitates future stakeholder meetings. Although SLR is an independent consultant, there may be a feeling of mistrust and that community members are seeing SLR as siding with PPM.	Mariëtte Liefferink	You recommendation is noted. However, SLR would stress its independence as an Environmental Consultancy.
The area in which PPM is situated is a water-stressed area. Will the proposed project result in additional water requirement and to what extent?	Mariëtte Liefferink	This has not yet been established. A detailed water balance will be compiled and it will then be determined whether there will be any additional water required.
I would like to know more about the technical side of the proposed KELL technology.	Mariëtte Liefferink	Information regarding this technology, although limited, is available on the internet.
Will there be any benefits to local communities as a result of the proposed project?	Mariëtte Liefferink	This has not yet been quantified and will then be determined during the EIA phase.
Will the life of mine be extended in light of this proposed amendment	Mariëtte Liefferink	The life of processing operations will be extended to 50 years.
Once the EIA/EMP is approved, the mine stops to communicate with interested and affected parties. I would like to stress the importance of the implementation of continued communication structures post authorisation.	Mariëtte Liefferink	SLR will arrange another round of meetings during the impact assessment phase of the project to give feedback on the findings of the impact assessment studies and an update on the progress of the project. All registered IAPs will be informed about these in due course.
I am concerned about the desecration of graves at Motlhabe.	Mariëtte Liefferink	SLR has taken note of your concern. An assessment of potential impacts will be included in the EIA phase.
How will PPM ensure that the EMP and associated monitoring is implemented?	Mariëtte Liefferink	Should the project be approved, the mine will be audited against its EMP commitments.
A regional environmental framework and supporting plans are needed for this area.	Mariëtte Liefferink	The merits of a strategic regional environmental and social assessment and management plan are acknowledged but this falls outside the scope of the current EIA mandate of SLR.

## **5. WAY FORWARD AND ACTIONS**

SM explained that all the raised issues in relation to the proposed plant expansion project would be captured and would be included as terms of reference for the EIA/EMP phase going forward. Once compiled, this scoping report would be made available for review.

## **6. CLOSURE**

The meeting was closed by Suan Mulder.





## **PILANESBERG PLATINUM MINES (PTY) LTD**

INTRODUCTORY MEETING FOR THE  
ENVIRONMENTAL PROCESS FOR THE PROPOSED  
PLANT EXPANSION

8 May 2014

### **AGENDA**

1. SLR Project team
2. Overview of environmental process
3. Overview of proposed plant expansion project scope
4. Questions/Issues
5. Closure

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## INTRODUCTIONS

- SLR Consulting (Africa) (Pty) Ltd (SLR) appointed by PPM as the independent environmental consultancy company to undertake the environmental impact assessment processes
- SLR environmental team for the proposed project:
  - Suan Mulder – Project Manager
  - Ntsako Baloyi – Stakeholder Engagement Manager
  - Caitlin Pringle– Project Assistant

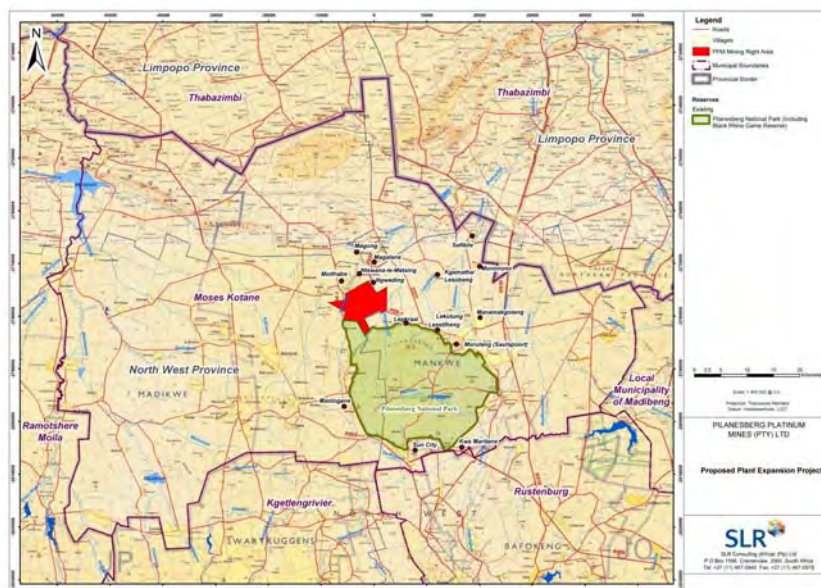
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## REGIONAL SETTING

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Session 1

## CURRENT SLR/SEDIBELO PLATINUM MINES (PTY) LTD ENVIRONMENTAL ASSESSMENT PROCESSES

Applicant	Proposed Project Name	Location of proposed project	EIA Status
Pilanesberg Platinum Mines (Pty) Ltd (PPM)	Plant Expansion	Tuschenkomst 135 JP Witkleifontein 136 JP	Scoping phase stakeholder engagement meetings in progress
Pilanesberg Platinum Mines (Pty) Ltd (PPM)	Tuschenkomst Pit Extension	Tuschenkomst 135 JP Wilgespruit 2 JQ Rooderand 46 JQ (Ptn 1)	EIA/EMP to be circulated for review shortly
Itereleng Bakgatla Mineral Resources (Pty) Ltd (IBMR)	Sedibelo Platinum Mine – Changes in surface infrastructure	Wilgespruit 2 JQ, Rooderand 46 JQ (Ptn 1) Legkraal 45JQ Koedoesfontein 42 JQ	EIA/EMP to be submitted for review in June 2014
Richtrau No. 123 (Pty) Ltd (Richtrau)	Establishment of an underground platinum mining operation	Magazynskraal 3 JQ	EIE/EMP submitted for decision making end 2013.

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Intro

## ENVIRONMENTAL PROCESS

What?	Why?	How?
<ul style="list-style-type: none"> <li>Assessment of the potential impacts of the proposed project on the environment</li> <li>Implementing appropriate management measures</li> </ul>	<ul style="list-style-type: none"> <li>Legal requirement (MPRDA, NEMA, NWA, NEMAQA)</li> </ul>	<ul style="list-style-type: none"> <li>Participation of interested and affected parties</li> <li>Specialist investigations</li> <li>Reporting</li> <li>Decision making</li> </ul>
<p><b>Different stages</b></p> <ul style="list-style-type: none"> <li>Scoping phase</li> <li>Environmental impact assessment (EIA) and environmental management programme (EMP) phase</li> </ul>		

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## ENVIRONMENTAL PROCESS

### Who is involved?

#### Interested and affected parties (IAPs):

- Surrounding landowners, land users and communities
- Surrounding mines and industries
- Non-governmental organisations and associations

#### Regulatory authorities:

- Department of Water Affairs
- Department of Economic Development, Environment, Conservation and Tourism\*
- Department of Mineral Resources\*
- Department of Environmental Affairs\*
- South Africa Heritage Resource Agency
- Department of Land Reform and Rural Development
- Department of Roads and Public Works

\* Decision-makers

#### Local authorities:

- Moses Kotane Local Municipality (MKLM)
- Bojanala Platinum District Municipality (BPDM)

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Intro

## SCOPING PHASE FOR THE PROPOSED PPM PLANT EXPANSION

#### Purpose of the meeting:

- Provide an overview of the environmental process
- Provide an overview of proposed project
- Provide information on potential impacts
- Raise and record environmental issues

#### Information gained from today's meeting will be used to compile the Scoping Report, which:

- Sets out all issues that have to be investigated further
- Sets out which investigations will be performed and how
- Is the "agreed approach" between the authorities, the public and the project team

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Session 1





## PROJECT OVERVIEW: PROPOSED PLANT EXPANSION

The expanded processing facility will extend the life of the processing operations to 50 years and will incorporate the following:

- UG2 milling and flotation section
- hydrometallurgical plant for the extraction of base metals from the flotation concentrate (will follow the Kell Process developed by Keith Liddell as an alternative to smelting)
- two tailings retreatment plants for the treatment of tailings from the flotation sections as well the retreatment of tailings material from the tailings storage facility
- a chrome recovery facility.

The hydrometallurgical plant will utilise new technology which replaces the conventional platinum smelting and base metal refining operations.

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Session 1

## PROJECT OVERVIEW (2)

Milling and flotation circuit



Base metal refinery – the hydrometallurgical plant at PPM will be a similar installation



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## POTENTIAL ANTICIPATED IMPACTS

- loss and sterilisation of mineral resources
- safety risks to people and animals as a result of the establishment of infrastructure and excavations
- loss of soil resources and land capability
- disturbance to and loss of biodiversity
- alteration of natural drainage patterns
- contamination of surface and ground water resources
- reduction in the availability of water resources
- air pollution
- noise pollution
- visual disturbance
- damage to or disturbance of heritage resources
- impact on surrounding land uses
- traffic impacts
- socio- economic impacts.

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Session 1

## OPPORTUNITY TO RAISE ISSUES AND/OR CONCERNS

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Session 1

## NEXT STEPS

- Scoping Report public and authority review (June 2014)
  - Scoping report (English)
  - Summary (English/ Tswana): per post/ e-mail, distribution at community venues
- Regulatory authorities and IAPs: 40 days to submit comments
- Conduct specialist investigations and complete EIA/EMP
- Stakeholder engagement meetings in EIA Phase and opportunity to review EIA and EMP report

Closure

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**DELIVERY BY E-MAIL**

[OBaloyi@environment.gov.za](mailto:OBaloyi@environment.gov.za)

SLR project no: 710.16002.00026  
DEDECT Reference number: NWP/EIA/87/2013



14 February 2014

**CHIEF DIRECTORATE: CHEMICALS MANAGEMENT  
DEPARTMENT OF ENVIRONMENTAL AFFAIRS  
PRIVATE BAG X447  
PRETORIA  
0001  
SOUTH AFRICA**

**ATTENTION: MR OBED BALOYI**

**REQUIREMENT FOR A LICENSE TO STORE AND UTILISE HAZARDOUS SUBSTANCES AT  
THE PILANESBERG PLATINUM MINE ON THE FARMS TUSCHENKOMST 135 JP AND  
WITKLEIFONTEIN 136 JP, MOSES KOTANE LOCAL MUNICIPALITY IN THE NORTH WEST  
PROVINCE**

Dear Mr Baloyi

SLR Consulting (Africa) (Pty) Ltd (SLR), an independent consulting firm, has been appointed by Pilanesberg Platinum Mine (PPM) to undertake the environmental authorisation process for the proposed expansion of the processing facility at the located in the Moses Kotane Local Municipality of the North West Province.

**1. BACKGROUND INFORMATION**

In order for PPM to amend the existing Environmental Impact Assessment and Management Programme (EIA/EMP), an approval from the following authorities will have to be obtained:

- North West Department of Economic Development, Environment, Conservation and Tourism (DEDECT) in terms of listed activities that are governed by the National Environmental Management Act (NEMA), 107 of 1998; and
- Department of Mineral Resources (DMR) in terms of the Mineral and Petroleum Resources Development Act (MPRDA), 28 of 2002.

The application for an environmental authorisation was accepted by the Department of Economic Development, Environment, Conservation and Tourism (DEDECT) on the 13 February 2014. We

were advised by DEDECT to confirm with your Department whether a licence for the storage and utilisation of hazardous substances will be required in respect of activity 13, as amended and the Environmental Impact Assessment Regulations 2010 (GN544) in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998).

Activity 13 relates to the construction of facilities or infrastructure for the storage, or for the storage and handling, of a dangerous good, where such storage occurs in containers with a combined capacity of 80 but not exceeding 500m<sup>3</sup>. Hazardous substances will be stored on site for use in the hydrometallurgical process and will include chlorine gas (Cl<sub>2</sub>) Oxygen (O<sub>2</sub>), hydrochloric acid (HCl) and sulphuric acid (H<sub>2</sub>SO<sub>4</sub>).

## 2. BRIEF PROJECT DESCRIPTION

PPM holds a mining right and currently operates an existing opencast platinum mine and processing facility on the farms Tuschenkomst 135 JP and Witkleifontein 136 JP. PPM is proposing to expand its current processing facilities to incorporate a hydrometallurgical plant, amongst other metallurgical units, for the sulphate leach extraction of base metals from the flotation concentrate utilising oxygen (O<sub>2</sub>) and sulphuric acid (H<sub>2</sub>SO<sub>4</sub>) and the chloride leach extraction of platinum group metals (PGM) and gold utilising chlorine gas (Cl<sub>2</sub>) and hydrochloric acid (HCl). The estimated production rate is 110 000 tonnes of concentrate per annum.

The hydrometallurgical plant will treat the concentrate generated from the flotation circuits. The hydrometallurgical plant will follow the Kell Process and will in essence replace the conventional platinum smelting and base metal refining processes.

Could you kindly confirm whether a licence for the storage and utilization of hazardous substances will be required? Your assistance and advice in this regard will be highly appreciated.

Kind regards



Suan Mulder (EAP)  
Project Manager

*For SLR Consulting (Africa)  
(Pty) Ltd*

<b>FAX/EMAIL TO</b>			
<b>Organisation</b>	<b>Representative</b>	<b>Fax number</b>	<b>Email</b>
Department of Economic Development, Environment, Conservation and Tourism	Livhuwani Kutame	014 592 3553	<a href="mailto:lekutame@nwpg.gov.za">lekutame@nwpg.gov.za</a>
Department of Mineral Resources	Phumudzo Nethwadzi	018 462 9036	<a href="mailto:phumudzo.nethwadzi@dmr.gov.za">phumudzo.nethwadzi@dmr.gov.za</a>
Department of Water Affairs (Hartebeespoort)	Lethabo Ramashala	086 548 3057	<a href="mailto:ramashalal@dwa.gov.za">ramashalal@dwa.gov.za</a>
National Department of Agriculture, Forestry and Fisheries	Piet Theron/ Maluka Anton	018 297 4642	<a href="mailto:piett@daff.gov.za">piett@daff.gov.za</a> <a href="mailto:antonma@daff.gov.za">antonma@daff.gov.za</a>
Department of Rural Development and Land Affairs	Jacqueline Nkosi	012 252 4100	<a href="mailto:jknkosi@ruraldevelopment.gov.za">jknkosi@ruraldevelopment.gov.za</a>
South African Heritage Resources Agency	Jenna Lavin	021 462 4509	<a href="mailto:jlavin@sahra.org.za">jlavin@sahra.org.za</a>
Department of Roads and Public Works	Hennie Niehaus / Soloman Maledu	014 592 2754	<a href="mailto:niehaus@nwpg.gov.za">niehaus@nwpg.gov.za</a> <a href="mailto:smaledu@nwpg.gov.za">smaledu@nwpg.gov.za</a>
Bojanala Platinum District Municipality	Thami Matshego Kagiso Morapedi	014 592 1963	<a href="mailto:thamim@bojanala.gov.za">thamim@bojanala.gov.za</a> <a href="mailto:kagisomorapedi@hotmail.com">kagisomorapedi@hotmail.com</a>
Moses Kotane Local Municipality	Bafedile Moselane Mpho Molongoana Tebo Mogoloane	086 508 1879	<a href="mailto:moselaneb@moseskotane.gov.za">moselaneb@moseskotane.gov.za</a> <a href="mailto:mphom@moseskotane.gov.za">mphom@moseskotane.gov.za</a> <a href="mailto:tebomogolwane@yahoo.com">tebomogolwane@yahoo.com</a>
<b>FAX FROM:</b>			
<b>Organisation</b>	<b>Representative</b>	<b>Phone number</b>	<b>Email</b>
SLR Consulting Africa (Pty) Ltd	Suan Mulder	011-467-0945	<a href="mailto:smulder@slrconsulting.com">smulder@slrconsulting.com</a>
<b>Date:</b>	22 April 2014	<b>Number of fax pages:</b>	1+2
<b>Subject:</b>	<b>INVITATION TO A REGULATORY AUTHORITIES MEETING: ENVIRONMENTAL ASSESSMENT PROCESS FOR THE PROPOSED PLANT EXPANSION PROJECT FOR PILANESBERG PLATINUM MINE (PTY) LTD</b>		
<b>Reference numbers:</b>	SLR: 710.16002.00026 ; DMR: NW30/5/1/2/2/320MR ; DEDECT: NWP/EIA/87/2013		
<b>CONFIDENTIALITY</b>			
<i>This fax is confidential and may contain privileged information. If you are not the person or organisation to whom it is addressed you should not copy this fax, disclose its contents to any other person or use it for any purpose. If you have received this fax in error, please notify us immediately.</i>			

Reference numbers:

SLR: 710.16002.00026

DMR: NW30/5/1/2/2/320MR

DEDECT: NWP/EIA/87/2013

22 April 2014

**INVITATION TO A REGULATORY AUTHORITIES MEETING:  
ENVIRONMENTAL ASSESSMENT PROCESS FOR THE PROPOSED PLANT EXPANSION  
PROJECT FOR PILANESBERG PLATINUM MINE (PTY) LTD**

Dear Authority

Pilanesberg Platinum Mines (Pty) Ltd (PPM), located to the west and north-west of the Pilanesberg National Park in the Moses Kotane Local Municipality of the North West Province, holds a mining right and currently operates an existing opencast platinum mine and processing facility on the farms Tuschenkomst 135 JP and Witkleifontein 136 JP. PPM is proposing to expand its current processing facilities to incorporate the following within the boundary of the existing processing plant:

- a UG2 milling and flotation section with a production throughput of approximately 65 000 tonnes per annum;
- a hydrometallurgical plant for the further beneficiation of the PGM concentrate;
- a tailings re-treatment and
- a chrome recovery facility.

PPM is furthermore proposing a second tailings retreatment facility within the boundary of the exiting PPM tailings storage facility. This facility will be designed in such a way to allow for its disassembling and reconstruction at another site after a few years.

This letter serves to invite you to the regulatory authorities meeting. The meeting will be held on site to provide you with perspective on the project area. The purpose of the meeting will be:

- to inform you about the proposed projects and the environmental assessment process;
- to obtain guidance from you on procedural issues;
- to obtain guidance from you on environmental issues to be investigated and the scope of corresponding specialist investigations to be undertaken during the environmental assessment; and



- to hear and record any other comments on the proposed developments and environmental assessment process.

Details of the meeting are as follows:

**DATE:** Wednesday, 21 May 2014

**TIME:** 10h00

**VENUE:** Main Boardroom, Pilanesberg Platinum Mine (directions available on request), to be followed by a site visit

A copy of the projects' background information document (BID) will be emailed to you.

Should you require clarification or have any comments or questions, please do not hesitate to contact the undersigned.

**Please confirm your department's representation at the meeting.** You can either contact Ms Caitlin Hird or myself in this regard. The relevant contact details are provided below.

Kind regards



Suan Mulder  
Project Manager  
[smulder@slrconsulting.com](mailto:smulder@slrconsulting.com)  
Tel no: 011-467-0945



Caitlin Hird  
Project Assistant  
[chird@slrconsulting.com](mailto:chird@slrconsulting.com)  
Tel no: 011-467-0945



**PILANESBURG PLATINUM MINES (PTY) LTD**  
**SCOPING MEETING FOR THE PROPOSED PLANT EXPANSION**  
**AND**  
**EIA/EMP FEEDBACK MEETING FOR THE PPM TUSCHENKOMST PIT EXTENSION**

DATE	09h30, 11 April 2014
VENUE:	Motlhabe Community
PROJECT:	Tuschenkomst Pit Extension EIA/EMP
SLR COMPANY:	SLR Consulting (Africa) (Pty) Ltd
PROJECT NUMBER:	B007-19
PURPOSE:	The purpose of the meeting was to: <ul style="list-style-type: none"><li>• assist members of the public in their review of the Tuschenkomst Pit Extension EIA/EMP report;</li><li>• provide an opportunity for the public to raise queries to the project teams; and</li><li>• register all interested and affected parties (IAPs) on the databases of both projects.</li></ul>
ATTENDANCE:	Ntsako Baloyi (SLR) Hylton Allison (SLR) Samantha Scott (SLR) Suan Mulder (SLR) Mmusi Masilo (BBKTA)

SLR Consulting (Pty) Ltd (SLR) arrived at the Motlhabe community hall for the scheduled meeting. Upon arrival, it was discovered that neither the hall nor the community were available for the meeting as pension pay-outs were taking place.



**PILANESBURG PLATINUM MINES (PTY) LTD**

**SCOPING MEETING FOR THE PROPOSED PLANT EXPANSION AND**

**EIA/EMP FEEDBACK MEETING FOR THE PROPOSED TUSCHENKOMST PIT EXTENSION**

DATE	15h00; 09 April 2014
VENUE:	Magong Community
PROJECT:	PPM Plant Expansion EIA/EMP and Tuschenkomst Pit Extension EIA/EMP
SLR COMPANY:	SLR Consulting (Africa) (Pty) Ltd
PROJECT NUMBER:	B007-19
PURPOSE:	<p>The purpose of the meeting was to:</p> <ul style="list-style-type: none"> <li>• provide members of the public with an overview of the proposed PPM Plant Expansion project;</li> <li>• identify issues to be addressed in the PPM Plant Expansion project;</li> <li>• assist members of the public in their review of the Tuschenkomst Pit Extension EIA/EMP report;</li> <li>• provide an opportunity for the public to raise queries to the project teams; and</li> <li>• register all interested and affected parties (IAPs) on the databases of both projects.</li> </ul>
ATTENDANCE:	An attendance register is presented in Appendix 1.

**1. OPEN AND INTRODUCTION**

The meeting was opened with a prayer and hymn. Musi Masilo (MM) from BBTKA welcomed the community to the meeting and introduced himself. Musi then introduced the project team of SLR Consulting (Pty) Ltd (SLR), Ntsako Baloyi (NB) and the project communicator (stakeholder engagement), Hylton Allison (HA) and Suan Mulder (SM) as project manager, and Samantha Scott (SS) as the project assistant.

NB explained that the presentation would be given in Setswana and responses would be fielded by himself, with input from HA and SM where required. Where responses were given by HA and SM, NB would facilitate the translation thereof.

**2. PRESENTATION**

NB presented both projects using an A1 presentation. Delegates were also given copies of the background information document (BID) for the Plant Expansion project and the summary document for the Pit Extension project. The presentation delivered, gave an outline of the scoping process being undertaken for the Plant Expansion process as well as the EIA process which was undertaken for the Pit Extension project and the findings of the various specialist studies.

**3. DISCUSSION**

All the issues that were raised in the meeting and the responses that were given have been recorded in Table 1 below.

**TABLE 1: RECORD OF ISSUES RAISED AND RESPONSES GIVEN**

ISSUE RAISED	NAME	RESPONSE GIVEN
<b>Socio-economic issues</b>		
It is not the first time you [SLR] have come here and I am tired of SLR coming here because there have been no changes in the community since SLR have come. I am frustrated and have lost patience. The mine makes promises but there are no benefits to the community.	Iva Khambe	Your frustration is noted. The purpose of these meetings is to share information regarding proposed developments in the area.
I am concerned that development is unfairly distributed. All development is happening in Moruleng and all the other villages are not benefitting. This must be rectified. I understand that it takes a long time for government to make decisions but every time you [SLR] come here you come without answers.	Kelebogile	Your frustration is noted. The purpose of these meetings is to share information regarding proposed developments in the area.
The main concern is that there is an unfair recruitment process. It needs to be fair because the youths do not benefit in terms of jobs. Other communities may benefit but this one is left out and it is not fair.	Pule Nkala	It is understood that the recruitment process needs to be communicated clearly through the correct channels.
In terms of the SLP, I am interested in what is entailed in terms of benefits to the surrounding communities, such as Magong. I understand that by law there has to be plans in place for benefits to the community. Have budgets been put in place for this project? What projects are in store for the community?	Courage Molapi	PPM has an approved SLP which details development projects in the communities in which the mine operates.
The mine is using the land of the Bakgatla and is benefitting from the process but what is the community benefitting from the mining process?	Gladness Ramagkagodi	
I sit on the development committee. Issues have been raised at committee meetings but we still do not get answers and there have been no benefits to the community. It is becoming frustrating because the mine has proposed several projects for the community but the community has still not benefitted.	Goitseona Sekgale	
<b>EIA process</b>		
SLR comes here to discuss decisions that have already been made. This [EIA] process is therefore just a front because the decisions have already been made. The community does not benefit and therefore the community does not see the point of attending these meetings because of this.	Tshepizo Motitswe	No decision has been taken with regards to the proposed project. The final report will be submitted to the relevant decision-making authorities and stakeholders will be informed once a decision has been made.

ISSUE RAISED	NAME	RESPONSE GIVEN
Has there ever been a meeting where there were answers to the questions and where progress was made? You [SLR] should have cancelled the meeting because the mine representatives need to be here to answer these questions and no representatives are not present.	JR Mwatu	The purpose of these meetings is to share information regarding proposed developments in the area. It is noted that you want representatives from the mine to attend meetings in future.
I am concerned that development is unfairly distributed. All development is happening in Moruleng and all the other villages are not benefitting. This must be rectified. I understand that it takes a long time for government to make decisions but every time you [SLR] come here you come without answers.	Kelebogile	Development is the responsibility of the government and the BBKTA. The purpose of these meetings is to share information regarding proposed developments in the area. It is noted that you want representatives from the mine to attend meetings in future.

#### **4. THE WAY FORWARD**

- All issues raised regarding the Pit Expansion project would be incorporated into the final documentation that will be submitted to the decision making authorities for their consideration;
- All the registered IAPs who have provided SLR with their postal addresses, cell phone number and/or e-mail addresses will receive notification of the record of decisions.

#### **5. CLOSE**

The meeting was closed half way through because the mine representatives were not present at the meeting. The community members were asking questions and SLR cannot provide the community members with answers and therefore the members left and the meeting was closed.

## APPENDIX 1: ATTENDANCE REGISTER

Name and Surname	Interest in project	Postal address	Contact numbers	E-mail
Samantha Scott	SLR	P.O. Box 1596 Cramerview 2060	011 467 0945	<a href="mailto:sscott@slrconsulting.com">sscott@slrconsulting.com</a>
Ntsako Baloyi				<a href="mailto:nbaloyi@slrconsulting.com">nbaloyi@slrconsulting.com</a>
Hylton Allison				<a href="mailto:hallison@slrconsulting.com">hallison@slrconsulting.com</a>
Suan Mulder				<a href="mailto:smulder@slrconsulting.com">smulder@slrconsulting.com</a>
Musi Masilo	BBKTA			
Shadrack Moeng	MCC	P.O. Box 704, Rhenosterkraal, 0344	073 502 5351	-
Kgosietsile Ditsebe	Youth	P.O. Box 766, Rhenosterkraal, 0344	073 774 8931	-
Pule Nkala	Magong Traditional Council Mambo	P Nkala, MTC	071 780 5671	-
Julia Mpete	Home-based Care	10349 Khutswane Street, Rhenosterkraal, Magong, 0344	073 802 3376	-
Martha Ntsau	Home-based Care	10283 Schutswane Street, Rhenosterkraal, Magong, 0344	083 731 9811	-
Gregory Ramagogodi	Magong Community	-	-	-
Monicca Sekgoeleya	Lemogang Bathong Home- based Care	P.O. Rhenosterkraal, Magong, 0344 House No 10595	073 383 2796	-
Joseph Ngwate	Magong Community	P.O. Box 817, Magong	076 218 9216	-
Mande Piet Molefe	Morokologadi	-	073 219 7262	-
M. Ivy Modise	Ngokwane	P.O. Box, Rhenosterkraal, House 10490, Magong	073 323 0824	-

<b>Name and Surname</b>	<b>Interest in project</b>	<b>Postal address</b>	<b>Contact numbers</b>	<b>E-mail</b>
Lebogang Pilane	Magong Community	P.O. Box 724, Rhenosterkraal, House 10662, Magong	079 249 5442	-
Mmina Moeng	Magong Community	P.O. Box 851, Rhenosterkraal, House 10097, Magong	076 780 9688	-
Refilwe Mosiamisi	Magong Community	P.O. Box 724, Rhenosterkraal, House 10610 Magong	073 822 0559	-
Tshepo Mfi	Magong/ Khateng	-	078 182 9898	-
Pertunia Motshwane	Magong/ Khutshwane	-	071 760 6386	-
Kgomotso Mohoba	Magong/ Khutshwane	-	073 537 9846	-
Goitsemanang Sadikoe	Magong/ Khutshwane	-	078 561 7955	-
Charles Matlhasa	Magong/ Khutshwane	-	073 403 3695	-
Tumisang Motshagoe	Magong/ Phateng	-	071 379 2818	-
Thuso Tsoku	Magong Community	-	071 928 8306	-
Tumelo Lesenyo	Magong Community	-	060 372 4822	-
Tshepizo Motitswe	Magong Community	-	-	-
Sello Pilane	Magong Community	-	083 442 0986	-
Courage Molapi	Magong Community	-	083 251 2740	-
Daniel Rahludu	Magong Community	-	078 262 9208	-
Disebu Sadikoe	Magong/ Khutshwane	-	076 926 0615	-
Ipeleng Monageng	Magong/ Khutshwane	-	073 359 8936	-
Moatlhodi Motloba	Magong Community	-	078 722 3633	-
Motlhabi Tukisi	Magong/ Morokologadi	-	078 993 7652	-
Jacob Moeng	Phuteng	-	079 782 0559	-
Lesedi Mfi	Ngokwane	P.O. Box 750, Rhenosterkraal, 0344	078 086 1870	-
Thabo Titus Moroke	Magong Community	-	078 721 6994	-
Refiloe Jeanette Pilane	Magong Community	-	073 010 4090	-



<b>Name and Surname</b>	<b>Interest in project</b>	<b>Postal address</b>	<b>Contact numbers</b>	<b>E-mail</b>
Molwantwa Tzrah Mothusi	Magong Community	-	078 069 5991	-
Oumanyama Martha Serole	Magong Community	-	073 409 6407	-
Tebogo Setswe	Magong Community	-	078 967 9208	-
Meshack Nkele	Magong Community	-	073 819 6321	-
Isaac Metsileng	Magong Community	P.O. Box 844	082 483 1682	-
Katlego Ncube	Magong Community	-	073 937 0215	-
Ikgopoleng Monagang	Magong Community	-	073 332 6128	-
Portia Ramalepa	Magong Community	-	073 816 5014	-
Modise Kotsedi	Magong Community	-	078 646 4301	-
Bernard Rasepae	Magong Community	-	073 194 7915	-
Neo Diale	Magong Community	-	072 371 9477	-
Mmadikeledi Radhala	Magong Community	-	083 955 2847	-
Otsile Moeng	Magong Community	-	073 188 1922	-
BA Konopi	Magong Community	-	073 839 7328	-
Johannes Ramosala	Magong Community	-	071 920 6510	-
Mpho Dizsebe	Magong Community	P.O. Box 766	073 130 2428	-
Kele Ramagogodi	Magong Community	216 Phuteng	073 913 4804	-
Lesego Ramagogodi	Magong Community	-	078 397 1189	-
Mothusi Molwantwa	Magong Community	-	078 069 5991	-
Kgomotso Moeng	Magong Community	P.O. Box 10588	073 009 3010	-
Goitseona Sekgale	Magong Community	-	078 560 0180	-
Julia Khunou	Magong Community	P.O. Box 775	071 795 0050	-
Antonia Dikola	Magong Community	-	076 397 0354	-
Keabetswe Nkele	Magong Community	P.O. Box 914	083 551 2911	-
Fetsang Monala	Magong Community	-	073 053 2806	-
Lesego Penyene	Magong Community	P.O. Box 731	078 749 9926	-
Baleseng Nkele	Magong Community	P.O. Box 840	073 154 8316	-
Lynette Monamane	Magong Community	P.O. Box 799, Rhenosterkraal, 0344	083 877 8663	-

<b>Name and Surname</b>	<b>Interest in project</b>	<b>Postal address</b>	<b>Contact numbers</b>	<b>E-mail</b>
Decia Motloba	Magong Community	P.O. Box 733, Rhenosterkraal, 0344	073 091 3628	-
Lebogang Kgwefane	Magong Community	-	078 500 6293	-
Ellen Moeng	Magong Community	P.O. Box 789, Rhenosterkraal, 0344	071 979 8342	-
Fikile Moeng	Magong Community	P.O. Box 733, Rhenosterkraal, 0344	082 863 8391	-
Daniel Femao	Magong Community	-	071 962 3320	-
NS Sefona	Magong Community	-	078 279 2916	-
JM Mhlanga	Magong Community	-	073 411 9651	-
MC Moloko	Magong Community	-	071 763 3633	-
FD Pilane	Magong Community	-	083 519 8434	-
G Ramagkagodi	Magong Community	-	078 323 4502	-
Tsholofeld	Magong Community	-	083 502 6177	-
Shadrack Magobye	Magong Community	-	083 945 0459	-
Hkelebogile Matabane	Magong Community	-	079 294 1007	-
Sanki Matabane	Magong Community	-	078 326 3401	-
Boitumelo Moena	Magong Community	-	078 208 4946	-
Letlhogonolo Ramafoko	Magong Community	-	073 570 1716	-
Maggie Legotso	Magong Community	-	073 567 1671	-
Boitumelo Ramagogodi	Magong Community	-	073 618 4083	-
Batshabeng Lekwadi	Magong Community	-	073 196 5422	-
Olebogeng Moroke	Magong Community	-	078 782 9383	-
Thapelo Pele	Khuthwane	-	078 717 9986	-
Lehlohogonolo Molefe	Magong Community	-	073 695 9665	-
Lindiwe Ramalepa	Magong Community	-	073 679 2651	-
Kelebogile Nkele	Magong Community	-	073 398 6237	-

## APPENDIX 2: PRESENTATION



**PILANESBURG PLATINUM MINES (PTY) LTD**

**SCOPING MEETING FOR THE PROPOSED PPM PLANT EXPANSION AND  
EIA/EMP FEEDBACK MEETING FOR THE TUSCHENKOMST PIT EXTENSION**

DATE	12h30; 09 April 2014
VENUE:	Magalane Community
PROJECT:	PPM Plant Expansion EIA/EMP and Tuschenkomst Pit Extension EIA/EMP
SLR COMPANY:	SLR Consulting (Africa) (Pty) Ltd
PROJECT NUMBER:	B007-19
PURPOSE:	<p>The purpose of the meeting was to:</p> <ul style="list-style-type: none"> <li>• Provide members of the public with an overview of the proposed PPM Plant Expansion project;</li> <li>• identify issues to be addressed in the PPM Plant Expansion project;</li> <li>• assist members of the public in their review of the Tuschenkomst Pit Extension EIA/EMP report;</li> <li>• provide an opportunity for the public to raise queries to the project teams; and</li> <li>• register all interested and affected parties (IAPs) on the databases of both projects.</li> </ul>
ATTENDANCE:	An attendance register is presented in Appendix 1.

**1. OPEN AND INTRODUCTION**

The meeting was opened with a prayer and hymn. Musi Masilo (MM) from BBTKA welcomed the community to the meeting and introduced himself. Musi then introduced the project team of SLR Consulting (Pty) Ltd (SLR), Ntsako Baloyi (NB) and the project communicator (stakeholder engagement), Hylton Allison (HA) and Suan Mulder (SM) as project manager, and Samantha Scott (SS) as the project assistant. NB then introduced SLR as an environmental consulting company for environmental impact assessments.

NB explained that the presentation would be given in Setswana and responses would be fielded by himself, with input from HA and SM where required. Where responses were given by HA and SM, NB would facilitate the translation thereof.

**2. PRESENTATIONS**

NB presented both projects using an A1 presentation. Delegates were also given copies of the background information document (BID) for the Plant Expansion project and the summary document for the Pit Extension project. The presentation delivered, gave an outline of the scoping process being undertaken for the Plant Expansion process as well as the EIA process which was undertaken for the Pit Extension project and the findings of the various specialist studies.

**3. DISCUSSION**

All the issues that were raised in the meeting and the responses that were given have been recorded in Table 1 below.

**TABLE 1: RECORD OF ISSUES RAISED AND RESPONSES GIVEN**

ISSUE RAISED	NAME	RESPONSE GIVEN
<b>Socio-economic issues</b>		
Can mine assist the community in community development, such as providing a fence around the community hall etc. because the community is in a bad state and they need the mines help.	Miriam Mosikari and Jeffery Mathithibala	PPM has an approved SLP that details development projects in the communities in which the mine operates.
Because of the general unemployment in the area, some of the youths within the community have passed school and have done well, therefore, can the mine not provide bursaries or funds to support youth in the community to study chemical engineering or related field so that they can be employed at the mine?	Mpho Setshwane	PPM has an ABET training centre on site and have a programme in place to provide learnerships and other tertiary training off-site to the surrounding communities.
Concerned about the lack of involvement of the local municipality in the community, such as grass cutting.	Miriam Mosikari	This issue should be raised with the relevant stakeholders at the municipality.
As a community, we form part of the Bakgatla office but we never see the benefits, only people from outside our community are employed and receive benefits from the Bakgatla.	Dudu Mosikane	This issue should be raised directly with the BBKTA.
It is not the first time you [SLR] are here to present projects that are happening at the mine but no progress has been made in the community. There are always meetings but nothing happens in the community and no progress is ever made.	Dudu Mosikane	Your frustration is noted. The purpose of these meetings is to share information regarding proposed developments in the area.
Emphasizing that it becomes difficult for middle-aged people to work at the mine and were told by the mine to go to SASSA [South African Social Services Agency] to get a pension but SASSA said that they are too young to get a pension – so they cannot win. SLR has meetings with the community and take minutes to address their issues but no progress is made.	Sara Masule	
<b>Pit Expansion</b>		
In what direction is the pit expanding?	Dudu Mosikane	The pit expansion will be to the east.

#### **4. THE WAY FORWARD**

- All issues raised would be incorporated into the final documentation that will be submitted to the decision making authorities for their consideration;
- All the registered IAPs who have provided SLR with their postal addresses, cell phone number and/or e-mail addresses will receive notification of the record of decisions.

#### **5. CLOSE**

The meeting was closed by NB.

## APPENDIX 1: ATTENDANCE REGISTER

Name and Surname	Interest in project	Postal address	Contact numbers	E-mail
Samantha Scott	SLR	P.O. Box 1596 Cramerview 2060	011 467 0945	<a href="mailto:sscott@slrconsulting.com">sscott@slrconsulting.com</a>
Ntsako Baloyi				<a href="mailto:nbaloyi@slrconsulting.com">nbaloyi@slrconsulting.com</a>
Hylton Allison				<a href="mailto:hallison@slrconsulting.com">hallison@slrconsulting.com</a>
Musi Masilo	BBKTA			
Revona Mosikari	Magalane Community	P.O. Box 938, Rhevosterkraal, 0344	073 660 1265	-
Margaret Mosikari	Magalane Community	-	073 411 6413	-
Sipolelo Mathithibala	Magalane Community	-	073 369 8856	-
Dineo Basoga	Magalane Community	-	076 175 9998	<a href="mailto:Charity.basoga@yahoo.com">Charity.basoga@yahoo.com</a>
Florah Raikane	Magalane Community	-	073 274 7531	-
Mosa Mathambo	Magalane Community	-	073 588 0557	<a href="mailto:mosamathambo@gmail.com">mosamathambo@gmail.com</a>
Mampati Maine	Magalane Community	-	073 389 8928	<a href="mailto:Mampati.maine@gmail.com">Mampati.maine@gmail.com</a>
Onkabetse Somphekwa	Magalane Community	P.O. Box 975, Renosterkraal, 0344	078 780 8265	-
M Mosikari	Magalane Community	-	071 402 6535	-
Dikeledi D Motjiane	Magalane Community	-	083 998 2654	-
Botsang E Somphekwa	Magalane Community	P.O. Box 975, Renosterkraal, 0344	078 880 7298	-
Sara Masule	Magalane Community	-	073 692 8162	-
Basebeng Setshwane	Magalane Community	-	079 628 1357	-
Mmaphiri Masule	Magalane Community	-	073 703 0264	-
Tiisetso Dibatane	Magalane Community	-	083 248 0476	-
Thapelo Ntuane	Magalane Community	-	081 816 1474	-
Tshegofatso Mosikari	Magalane Community	-	083 356 5479	-
Kagiso Bosoga	Magalane Community	-	078 214 6715	-
Gabaiphiwe Sompheko	Magalane Community	-	071 306 3729	-
Jeffry Mathithibala	Magalane Community	-	073 194 6100	-
Lethabo Montsho	Magalane Community	-	083 279 0603	-
Mpho Setshwane	Magalane Community	-	083 676 0144	-
Kagiso Masule	Magalane Community	-	078 394 1756	-
Gomotsang Dibatana	Magalane Community	-	083 358 3198	-

Name and Surname	Interest in project	Postal address	Contact numbers	E-mail
Victor Nonyai	Magalane Community	-	082 430 7906	-
Alfred Masule	Magalane Community	-	078 150 5159	-
Naledi Masule	Magalane Community	-	073 645 6781	-
Peggy Masule	Magalane Community	-	-	-
Kefiloe Setshwane	Magalane Community	-	083 749 5748	-
Dineo Dibatana	Magalane Community	-	073 459 1485	-
Mmampo Mosikari	Magalane Community	-	073 597 6553	-
Richard Dibatana	Magalane Community	-	-	-
Tshegofatso Dibetana	Magalane Community	-	083 925 0122	-
Lucas Mosikari	Magalane Community	-	073 306 9534	-
Refikwe Mosikari	Magalane Community	-	083 512 9340	-
Lazarus Mosikari	Magalane Community	-	078 351 6961	-
Kabelo Monyai	Magalane Community	-	073 143 0070	-
Mogotsi Monyai	Magalane Community	-	-	-
Thabo Basoga	Magalane Community	-	083 318 9078	-
Thabang Somphekwa	Magalane Community	-	073 543 9028	-
Gorenakgosi	Magalane Community	-	083 715 3048	-



## APPENDIX 2: PRESENTATION



**PILANESBERG PLATINUM MINES (PTY) LTD**  
**SCOPING MEETING FOR THE PROPOSED PPM PLANT EXPANSION AND**  
**EIA/EMP FEEDBACK MEETING FOR THE PPM TUSCHENKOMST PIT EXTENSION**

<b>DATE</b>	12h00, 08 April 2014
<b>VENUE:</b>	Ramasedi Community
<b>PROJECT:</b>	PPM Plant Expansion EIA/EMP and Tuschenkomst Pit Extension EIA/EMP
<b>SLR COMPANY:</b>	SLR Consulting (Africa)
<b>PROJECT NUMBER:</b>	B003-17 and 710.16002.20006
<b>PURPOSE:</b>	The purpose of the meeting was to: <ul style="list-style-type: none"> <li>• Provide members of the public with an overview of the proposed PPM Plant Expansion project;</li> <li>• identify issues to be addressed in the PPM Plant Expansion project;</li> <li>• assist members of the public in their review of the Tuschenkomst Pit Extension EIA/EMP report;</li> <li>• provide an opportunity for the public to raise queries to the project teams; and</li> <li>• register all interested and affected parties (IAPs) on the databases of both projects.</li> </ul>
<b>ATTENDANCE:</b>	An attendance register is presented in Appendix 1.

**1. OPEN AND INTRODUCTION**

The meeting was opened with a prayer and hymn. Ntsako Baloyi (NB) of SLR Consulting (Pty) Ltd (SLR) then introduced the project team which included Hylton Allison (HA) and Suan Mulder (SM) as project manager and Caitlin Pringle (CP) as project assistant.

NB explained that the presentation would be given in Setswana and responses would be fielded by himself, with input from HA and SM where required. Where responses were given by HA and SM, NB would facilitate the translation thereof.

**2. PRESENTATIONS**

NB presented both projects using an A1 presentation. Delegates were also given copies of the background information document (BID) for the Plant Expansion project and the summary document for the Pit Extension project. The presentation delivered, gave an outline of the scoping process being undertaken for the Plant Expansion process as well as the EIA process which was undertaken for the Pit Extension project and the findings of the various specialist studies.

**3. DISCUSSION**

All the issues that were raised in the meeting and the responses that were given have been recorded in Table 1 below.

**TABLE 1: RECORD OF ISSUES RAISED AND RESPONSES GIVEN**

ISSUE RAISED	NAME	RESPONSE GIVEN
<b>Technical/project related issues</b>		
The maps should be updated to show Ramasedi. I am concerned that with it being omitted from the maps, it will not be considered for recruitment purposes.	Mr Nkwane	SLR will update the maps to ensure that Ramasedi is indicated on the project layouts.
What will happen to the pit once it has been completed? How much will the pit extension extend the life of mine by?	S J Motsuaedi	The pit will be backfilled 70 % with waste rock and the remainder will be flooded. This water will be used as community water supply and for community agricultural purposes.
<b>Air quality issues</b>		
What will the health implications be from the chemical plant?	S J Motsuaedi	This will be investigated during the specialist studies and will be laid out as terms of reference for the EIA/EMP. The findings of these studies will be included in the EIA/EMP report.
What will the impact be on the livestock in our area. Will the chemical plant affect their health?	Vivienne Mdaka	
What mitigation measures are put in place to control the emissions during blasting? Can dust suppression be used like is done on the roads?	S J Motsuaedi	Water suppression cannot control dust from blasting. The way in which the blast is detonated can be controlled in order to minimise the dust emissions.
The blasting results in an ammonia smell and it is unpleasant. I am worried that it has health impacts.	S J Motsuaedi	PM10 monitoring stations will be installed and this will provide the mine with more information regarding the particulate matter in the air.
<b>Blasting issues</b>		
Our houses are affected from blasting.	Vivienne Mdaka	A specialist has been appointed by the mine to undertake a blasting study. The specialist will visit relevant communities to assess the impacts.
<b>Socio-economic issues</b>		
The mine is currently operational but we are not benefitting in terms of job opportunities from the mine. Will there be any additional benefits resulting from the plant expansion?	Vivienne Mdaka	It has been noted that you would like to see benefits resulting from the plant expansion. PPM will be made aware of this.
We need skills in order to be employable. Skills levels are low in such communities and we need to obtain these skills to be empowered. This should be done in order for us to get jobs in the plant expansion.	Dingane Rampete	PPM will be made aware that your community would like to be upskilled prior to the project being approved so that you are ready and equipped to be employed should jobs be offered.
How will we benefit from the plant expansion? The state of the community is not good. We would like facilities such as community halls.	Joseph Rhwili	PPM will be made aware that your community would like to receive benefits such as community facilities.
We need a definite answer in terms of the plant and whether there will be jobs associated with it. The mine needs to equip our people with skills if we are to be employed in the plant expansion project. The issue of jobs is a burning issue all over and needs to be	Mr Nkwane	The total number of job opportunities which will be created has not yet been quantified.

ISSUE RAISED	NAME	RESPONSE GIVEN
addressed with a sense of urgency.		
I would like to emphasise the urgency of needing job opportunities provided to our community.	S J Motsuaedi	PPM will be made aware of your request.
CVs are being handed in at the mine and in Moruleng but nothing seems to happen. The recruitment process needs to be more transparent.	Isian Rampede	PPM will be made aware that Ramasedi would like the recruitment process to be more transparent
Before the plant is built the mine needs to equip us with skills in order to be able to be employed.	Mr Phiri	PPM will be made aware that your community would like to be upskilled prior to the project being approved so that you are ready and equipped to be employed should jobs be offered.
There is no point in complaining if there is going to be no progress and our issues are not addressed. We beg the mine to please address our concerns.	Bongani	PPM will be made aware that you would like to be taken seriously with regards to the issues you raise.
<b>Traffic issues</b>		
There are also losses of livestock due to traffic volumes on our road. I am concerned that the plant expansion will result in even higher traffic volumes.	Vivienne Mdaka	PPM will be made aware of the concerns relating to traffic. This will be investigated further in the EIA/EMP.
The P-50 is not well maintained, especially the section that passes our village. We would like to bring to the mine's attention that constant maintenance of the roads needs to happen in all areas.	Joseph Rhwili	<p>The road network falls under the authority of the DTRCS. However, PPM grades approximately 60km of gravel roads in the vicinity of the mine for the communities on behalf of the Department of Roads.</p> <p>The mine will approach the DTRCS to encourage the Department to establish a joint venture with all the mines in the area to contribute towards maintenance of the road network.</p>

#### **4. THE WAY FORWARD**

- NB explained that all the raised issues in relation to the Plant Expansion project have been captured and would be included as terms of reference for the EIA/EMP phase going forward. Once compiled, this scoping report would be made available to the community for their review.
- All issues raised regarding the Pit Expansion project would be incorporated into the final documentation that will be submitted to the decision making authorities for their consideration;
- All the registered IAPs who have provided SLR with their postal addresses, cell phone number and/or e-mail addresses will receive notification of the record of decisions.

#### **5. CLOSE**

The meeting was closed by NB.

## APPENDIX 1: ATTENDANCE REGISTER

Name and Surname	Interest in project	Postal address	Contact numbers	E-mail
Suan Mulder	SLR	P.O. Box 1596 Cramerview 2060	011 467 0945	<a href="mailto:smulder@slrconsulting.com">smulder@slrconsulting.com</a>
Caitlin Hird				<a href="mailto:chird@slrconsulting.com">chird@slrconsulting.com</a>
Hylton Allison				<a href="mailto:hallison@slrconsulting.com">hallison@slrconsulting.com</a>
Ntsako Baloyi				<a href="mailto:nbaloyi@slrconsulting.com">nbaloyi@slrconsulting.com</a>
Samuel Modibodi			076 664 6986	
Mokilwa Lefuto			071 484 3081	
Mogale Masilela			072 908 8279	
Johannes Phiri				
Mary Motloba			071 060 0347	
Kagiso Malapile			081 812 4939	<a href="mailto:percymalapile@gmail.com">percymalapile@gmail.com</a>
Moipone Mosotho			073 342 1949	
Tshegofetso Makgatlo			071 586 7909	
Godwin Modibedi			073 700 5494	
Agobakwe Ruele			073 694 2538	
Kgomotso Mokone			083 464 0455	
R Sikwane				
Nelly Mdaka			072 875 1010	
Kgomotso Segwapa		PO Box 9348 Legkraal 0376	079 626 9320	
Lebogang Ntuane			079 132 3798	
Seanokeng Ntuane			073 074 7297	
Virginia Mosiamisi		PO Box 225 Saulspoort 0318	076 100 2313	
Joyce Mosotho		PO Box 105 Saulspoort 0318	073 804 9609	
Bonolo Mokoka		PO Box 198 Saulspoort 0318	079 155 5903	
Boitumelo Kgaile		PO Box 9425 Ramatshaba 0376	073 456 1317	
Vivian Mdaka		PO Box 9417 Legkraal 0376	073 456 1317	

Name and Surname	Interest in project	Postal address	Contact numbers	E-mail
Masa Molefe		PO Box 9316 Legkraal 0376	078 299 1750	
Fino Moloji		PO Box 9242 Legkraal 0376	073 025 5809	
Dimakatso Ntobi		PO Box 9317 Legkraal 0376	078 193 4601	
Diketso Diphoko		PO Box 9404 Legkraal 0376	072 153 4547	
Koketso Pilane		PO Box 225 Legkraal 0376	078 524 3634	
Joyce Segwapa		PO Box 225 Legkraal 0376	073 336 9187	
Lesedi Molemane		PO Box 9438 Legkraal 0376	071 494 5112	
David Dipuo		PO Box 223 Legkraal 0376	071 553 3714	
Boitshwarelo Rampete			079 211 4584	
Lemogang Sikwane		PO Box 9418 Legkraal 0376	073 657 9678	
Dingaan Rampete		PO Box 4386 Legkraal 0376	072 542 2243	
Ishmael Rampete			082 358 6371	
Thomas Mpete			078 187 9405	
Frans Sekgemela			083 475 7216	
Gotse Jekwane				
Jordan Molemane		PO Box 9316 Ramatshaba Phorome	073 736 1657	
Emily Motshegwe			071 806 4666	
Mogotsi Sesiwi			079 409 5396	
Gertrude Pilane			072 775 6564	

Name and Surname	Interest in project	Postal address	Contact numbers	E-mail
Lebogang Masilela		PO Box 9241 Legkraal 0376	072 580 7582	
Boyki Masilela			083 519 5453	
Judith Motshegare			083 343 9495	
Elizabeth Mdaka			078 258 2195	
S Evah			073 245 3903	
Tshwane Molemi			072 593 5732	
Molefi Mokake			079 102 2370	
Masila Makgatho			079 394 3576	
SJJ Motswaedi			072 618 6023	
Joesph Khoele		PO Box 9352 Saulspoort 0318	078 181 4078	
Jan Mroko			079 105 4230	
Samuel Diphoko				
Jacob Bugutsu				
David Dipele				
Mmatsatsi Ernestina Sekwelwa		PO Box 9335 Ramatshaba 0376	072 543 6437	
Moses Nkwane		PO Box 9425 Ramatshaba 0376	072 543 6437	
Annah Mosotho			071 924 6103	



## APPENDIX 2: PRESENTATION



**PILANESBERG PLATINUM MINES (PTY) LTD**  
**SCOPING MEETING FOR THE PROPOSED PLANT EXPANSION AND**  
**EIA/EMP FEEDBACK MEETING FOR THE PPM TUSCHENKOMST PIT EXTENSION**

<b>DATE</b>	15h00, 08 April 2014
<b>VENUE:</b>	Ntswana Le Metsing Community
<b>PROJECT:</b>	PPM Plant Expansion EIA/EMP and Tuschenkomst Pit Extension EIA/EMP
<b>SLR COMPANY:</b>	SLR Consulting (Africa)
<b>PROJECT NUMBER:</b>	B003-17 and 710.16002.20006
<b>PURPOSE:</b>	The purpose of the meeting was to: <ul style="list-style-type: none"> <li>• Provide members of the public with an overview of the proposed PPM Plant Expansion project;</li> <li>• identify issues to be addressed in the PPM Plant Expansion project;</li> <li>• assist members of the public in their review of the Tuschenkomst Pit Extension EIA/EMP report;</li> <li>• provide an opportunity for the public to raise queries to the project teams; and</li> <li>• register all interested and affected parties (IAPs) on the databases of both projects.</li> </ul>
<b>ATTENDANCE:</b>	An attendance register is presented in Appendix 1.

**1. OPEN AND INTRODUCTION**

The meeting was opened with a prayer and hymn. Ntsako Baloyi (NB) of SLR Consulting (Pty) Ltd (SLR) then introduced the project team which included Hylton Allison (HA) and Suan Mulder (SM) as project manager and Caitlin Pringle (CP) as project assistant. NB explained that the presentation would be given in Setswana and responses would be fielded by himself, with input from HA and SM where required. Where responses were given by HA and SM, NB would facilitate the translation

**2. PRESENTATIONS**

NB presented both projects using an A1 presentation. Delegates were also given copies of the background information document (BID) for the Plant Expansion project and the summary document for the Pit Extension project. The presentation delivered, gave an outline of the scoping process being undertaken for the Plant Expansion process as well as the EIA process which was undertaken for the Pit Extension project and the findings of the various specialist studies.

**3. DISCUSSION**

All the issues that were raised in the meeting and the responses that were given have been recorded in Table 1 below.

**TABLE 1: RECORD OF ISSUES RAISED AND RESPONSES GIVEN**

ISSUE RAISED	NAME	RESPONSE GIVEN
<b>Procedural issues</b>		
The alternative road used to access Ntswana is in bad condition, especially when it rains. Is there any way that it can be upgraded so that it can be used even in the wet season?	Sheila Mampu	The road network falls under the authority of the DTRCS. However, PPM grades approximately 60km of gravel roads in the vicinity of the mine for the communities on behalf of the Department of Roads.  The mine will approach the DTRCS to encourage the Department to establish a joint venture with all the mines in the area to contribute towards maintenance of the road network.
<b>Air quality issues</b>		
I understand that a new process will be used in the chemical plant. How safe is the process. When you return for the feedback meetings, we want to know more about what the risks are and what the safety impacts are.	Dintwe Kiabetso	Your concern regarding the safety implications of the new chemical plant have been noted. The risks and safety impacts will be discussed in the EIA/EMP report.
Is there no water suppressant/fan that can be installed to mitigate the dust impacts from blasting?	Monang Mosipe	Unfortunately there is no mitigation for the dust which is created from blasting. PPM however, does manage the blasting parameters to minimise the amount of dust which is generated.
We are concerned about the dust from the road which runs past our village. Please can adequate mitigation measures be put in place to address this issue.	Ma Bo Mogadifi	PPM will be made aware of your issue with dust fallout.
I am concerned about the quality and quantity of groundwater available to us.	Monang Mosipe	PPM has a monitoring programme in place where boreholes on surrounding properties are monitored. PPM has committed to the DMR that where water quality and quantity is compromised, the mine will provide an alternative source of water to those affected.
<b>Blasting issues</b>		
I am concerned about the damage to my house due to blasting.	Meme Moeng	A specialist has been commissioned to undertake a blast assessment. The DMR has recommended to PPM that an independent specialist needs to be appointed for this assessment. The blast impact assessment report should then be made available to the community so that a way forward can be decided on.
The municipality doesn't help us with anything, they are useless. In terms of assistance, should we request this from the mine or from the BBK? We have had no joy with the municipality.	Lienkie Nakedi	Service delivery is the responsibility of the government and it is therefore recommended that this matter be taken up with the relevant authorities. PPM suggests that you take up your relevant concerns with your elected ward councillor.

ISSUE RAISED	NAME	RESPONSE GIVEN
<b>Socio-economic issues</b>		
We want to see youth from Ntswana be given jobs. Sometimes we hear workers leaving the mine and they are not speaking local languages so they are not from here	Ma Bo Mogadifi	PPM's recruitment policies and procedures have been developed and implemented to comply with all relevant legislation. The mining operation requires a combination of skilled and semi-skilled personnel. In each case (position) preference would be given to local community members if they meet the skills required for any given position. Further detail on PPM's recruitment policies and procedures can be provided at the quarterly stakeholder meetings if requested.
What is the point of saying there will be job opportunities if we don't have experience and aren't going to be equipped with the skills to work?	Tsolofelo Moeng	
We welcome this extension project as it means growth and employment, however surely it should be possible for training initiatives to be initiated now so that we are ready to be employed. Contractors currently bring their own workers.	Dintwe Kiabetso	PPM will be made aware that you would like training initiatives to be put in place in local communities so that locals are equipped with skills necessary to be employed in the plant expansion before the project actually goes ahead.
With the expanded plant and new technology, we don't want to be left behind with skills development. The mine must upskill us prior to this expansion going ahead.	Relifilwe Nakedi	PPM will be made aware that you request upskilling and training before the plant expansion project goes ahead.
Can there not be a renovation to the primary school?	Sheila Mampu	The BBK will come and do an inspection to see what can be done to upgrade the school.
Mr Pepenyane came and discussed a potential crèche. Since then nothing has happened. What is the progress with this?	Meme Moeng	Service delivery is the responsibility of the government and it is therefore recommended that this matter be taken up with the relevant authorities.
These issues that are being raised today are raised time and time again, and even though we are in such close proximity to the mine, PPM does nothing.	Meme Moeng	PPM will be made aware that you would like to be taken seriously with regards to the issues you raise.
<b>Land Use issues</b>		
There used to be people using Tuschenkomst land for grazing. They were promised that an alternative piece of land would be found. They have not received this alternative piece of land and water supply.	Monang Mosipe	<p>BBKTA makes use of its existing communication structures as well as communication through the kgosana of each community, to communicate with the people on the ground.</p> <p>PPM communicates with the community by means of a formal quarterly stakeholder engagement forum, regular newsletters, as well as ad-hoc meetings and discussions with community members.</p> <p>Please ensure that this matter is tabled with your relevant community representative.</p>
The contractors do not treat the workers well. The conditions under which they work. They sometimes get dismissed for small things. We would like to work directly for the mine and not for contractors.	Meme Moeng	The mine makes use of contractors to provide specialised services. These contractors are responsible to employ their own personnel and are required to operate within the relevant employment legislation.

#### **4. THE WAY FORWARD**

- NB explained that all the raised issues in relation to the Plant Expansion project have been captured and would be included as terms of reference for the EIA/EMP phase going forward. Once compiled, this scoping report would be made available to the community for their review.
- All issues raised regarding the Pit Expansion project would be incorporated into the final documentation that will be submitted to the decision making authorities for their consideration;
- All the registered IAPs who have provided SLR with their postal addresses, cell phone number and/or e-mail addresses will receive notification of the record of decisions.

#### **5. CLOSE**

The meeting was closed by NB.

## APPENDIX 1: ATTENDANCE REGISTER

Name and Surname	Interest in project	Postal address	Contact numbers	E-mail
Suan Mulder	SLR	P.O. Box 1596 Cramerview 2060	011 467 0945	<a href="mailto:smulder@slrconsulting.com">smulder@slrconsulting.com</a>
Caitlin Hird				<a href="mailto:chird@slrconsulting.com">chird@slrconsulting.com</a>
Hylton Allison				<a href="mailto:hallison@slrconsulting.com">hallison@slrconsulting.com</a>
Ntsako Baloyi				<a href="mailto:nbaloyi@slrconsulting.com">nbaloyi@slrconsulting.com</a>
Tsholofelo Moeng			078 498 3250	<a href="mailto:otlotlengmoeng@gmail.com">otlotlengmoeng@gmail.com</a>
Meme Moeng			078 267 8750	
Simon Dibobo			060 334 4776	
Lerato Khungu			082 633 4018	
Mogapi Moeng			071 754 3422	
Setswakae Mmualefe				
Thato Mosime			060 766 4162	
Orapeng Mosime			082 744 6350	
Diketso Mogalefi		PO Box 823 Rhenosterkraal 0344	078 192 9579	<a href="mailto:diketsomogalefi@gmail.com">diketsomogalefi@gmail.com</a>
Lerato Nakedi		PO Box 738 Rhenosterkraal 0344	078 781 2294	
Refiloe Naledi		232A Leds Street Rustenburg 0299	073 323 7164	
Nichols Monyai		PO Box 738 Rhenosterkraal 0344	083 328 6350	
Letlhogonolo Modibana			078 869 7486	<a href="mailto:Letlhogonolo.lebo@yahoo.com">Letlhogonolo.lebo@yahoo.com</a>
Lolo Pule		PO Box 738 Rhenosterkraal 0344	073 208 1913	
Linky Puakedi		PO Box 738 Rhenosterkraal 0344	073045 3699	

Name and Surname	Interest in project	Postal address	Contact numbers	E-mail
Katlego Nkiti		PO Box 738 Rhenosterkraal 0344	071 084 3608	
John Mosime		PO Box 738 Rhenosterkraal 0344	083 426 9144	
Sinah Mosime			073 919 0731	
Tatlhego Ramfate				
Tuna Penyenye			073 267 8271	
Rhebone Mmvalafe			073 083 2827	
Lebo Menyatswe			078 445 9744	
Evelyn Mogalefi				
Primrose Dibobo			072 697 7159	
Lerato Rakomo				
Keorapetse Pilane		PO Box 738 Rhenosterkraal 0344	073 874 9269 073 354 0550	
Kagiso Segwapa			083 513 7046	
Kagiso Nokao			079 123 7964 075 110 2287	
Bertha Penyenye			073 268 5970	<a href="mailto:Pbertha804@gmail.com">Pbertha804@gmail.com</a>
Julia Mosime			083 740 6827	
Margaret Nkiti		PO Box 738 Rhenosterkraal 0344	073 132 7807	
Shiela Mampu		PO Box 503 Motlhabe 0377	083 364 9459	
Melba Pilane		PO Box 492 Motlhabe 0377		
Keabetswe Penyenye			078 255 6234	
Dorothy Penyenye		PO Box 738 Rhenosterkraal 0344	083 692 5787	

Name and Surname	Interest in project	Postal address	Contact numbers	E-mail
Doreen Penyenye		PO Box 738 Rhenosterkraal 0344	073 541 2617	
Nono Penyenye		PO Box 738 Rhenosterkraal 0344		
Pontsho Penyenye		PO Box 738 Rhenosterkraal 0344		
SS Mokalifi				
Mooketsi Monegi		PO Box 738 Rhenosterkraal 0344	072 691 0224	
Tako Penyenye				
Pogiso Mogalefi			081 050 8950	
Boitumelo Segwapa			073 514 6361	
Tshepo Mokoka				
Bonang Nkiti			073 009 3629	
Alfred Penyenye			073 069 3616	
Yvonne Pilane			073 430 2859	
Saipati Penyenye			083 489 3578	
Boitumelo Penyenye			060 462 1112	
Mmabo Mogalefi			082 707 7871	
Tshokolo Penyenye			078 114 5497	
Simane Khunou			076 862 7925	
Kingsley Madibane			073 438 3322	kingsleycreation@gmail.com
Seanokeng Haidi			079 440 2899	
Stephen Pilane			071 079 5544	
Mampu				
Moutu Pilane				
Banani Mosime				
Francinha Matlako			078 513 1243	
Johannah Moeng			083 765 3831	
Beatuy Mngomegulu				
Dinah Penyenye			078 282 4498	
Nkuomosteng			078 853 9998	



Name and Surname	Interest in project	Postal address	Contact numbers	E-mail
Sibongile Legadima			073 239 0485	
Caroline Madibane			073 693 6755	
Lerato Penyenye			073 444 5834	
Robertina Segwapa			083 316 9714	
Ishmael Dibatano			079 556 5627	
Gebogo Pule			082 648 0239	
Johnny Ramfate			079 063 0046	
Shimaki Manyai				

## APPENDIX 2: PRESENTATION



**PILANESBERG PLATINUM MINES (PTY) LTD**  
**SCOPING MEETING FOR THE PROPOSED PLANT EXPANSION AND**  
**EIA/EMP FEEDBACK MEETING FOR THE PPM TUSCHENKOMST PIT EXTENSION**

DATE	09h00, 09 April 2014
VENUE:	Ngweding Community
PROJECT:	PPM Plant Expansion EIA/EMP and Tuschenkomst Pit Extension EIA/EMP
SLR COMPANY:	SLR Consulting (Africa)
PROJECT NUMBER:	B003-17 and 710.16002.20006
PURPOSE:	The purpose of the meeting was to: <ul style="list-style-type: none"> <li>• Provide members of the public with an overview of the proposed PPM Plant Expansion project;</li> <li>• identify issues to be addressed in the PPM Plant Expansion project;</li> <li>• assist members of the public in their review of the Tuschenkomst Pit Extension EIA/EMP report;</li> <li>• provide an opportunity for the public to raise queries to the project teams; and</li> <li>• register all interested and affected parties (IAPs) on the databases of both projects.</li> </ul>
ATTENDANCE:	An attendance register is presented in Appendix 1.

**1. OPEN AND INTRODUCTION**

The meeting was opened with a prayer and hymn. Ntsako Baloyi (NB) of SLR Consulting (Pty) Ltd (SLR) then introduced the project team which included Hylton Allison (HA), Suan Mulder (SM) as project manager and Caitlin Pringle (CP) and Samantha Scott (SS) as project assistants. NB explained that the presentation would be given in Setswana and responses would be fielded by himself, with input from HA and SM where required. Where responses were given by HA and SM, NB would facilitate the translation thereof.

**2. PRESENTATIONS**

NB presented both projects using an A1 presentation. Delegates were also given copies of the background information document (BID) for the Plant Expansion project and the summary document for the Pit Extension project. The presentation delivered, gave an outline of the scoping process being undertaken for the Plant Expansion process as well as the EIA process which was undertaken for the Pit Extension project and the findings of the various specialist studies.

**3. DISCUSSION**

All the issues that were raised in the meeting and the responses that were given have been recorded in Table 1 below.

**TABLE 1: RECORD OF ISSUES RAISED AND RESPONSES GIVEN**

ISSUE RAISED	NAME	RESPONSE GIVEN
<b>Procedural issues</b>		
Will additional land be required for the plant expansion? We see new expansions being done at PPM, fences are moved and roads are rerouted but we are not advised as to what is happening on site.	Bonene	The plant expansion project will take place within the footprint of the existing operations and no additional land will be required.
I am tired of empty promises. We have had similar meetings and nothing has been done. Access to the mine from the side entry point has been promised to Ngweding workers but nothing comes of it.	JJ Motulego	PPM will be made aware that you would like to be taken seriously with regards to the issues you raise.
Decisions are made by the BBK in Moruleng and we are not involved. There need to be improvements in communication and they need to address us.	CL Siphala	
The community is cooperative and all that we want is for the mine to listen to us.	Silane Mulele	
The mine must show us respect. They cannot build a road and tell us we must use it at our own risk.	CL Siphala	
When are the scoping reports due?	Princess Nkuna	The scoping report for the pit extension was submitted in 2013. The scoping report for the plant expansion project will be submitted in September 2014 (approximate date)
<b>Technical/project related issues</b>		
The mine has extended to such a point that the mine employees who live in Ngweding have to travel a far distance on foot to get to the mine access point.	Beatrice Phiri	This will be investigated. It is understood that PPM is discussing the construction of an entry point closer to Ngweding.
<b>Air quality issues</b>		
Dust is a problem in our community. I am particularly concerned about our livestock and the effect that eating contaminated vegetation has on their health.	Boitumelo Matime	This will be investigated as part of the EIA phase of the Plant Expansion project.
We had to beg the mine to use water carts for dust suppression. What guarantee do we have that the mine will do this regularly?	Princess	A dust suppression schedule is part of the mine's EMP commitment.
<b>Surface and groundwater quality</b>		
We are concerned about the quantity and quality of our groundwater. What if it is contaminated?	Mr Morupi	PPM has an on-going monitoring programme. If it is found that the quality or quantity of borehole water in surrounding boreholes has been compromised, PPM has committed to providing an alternative water source where the quality and quantity are the same.

ISSUE RAISED	NAME	RESPONSE GIVEN
<b>Socio-economic issues</b>		
We are not happy with the way that the BBK is managing tribal land ownership. The BBK behave like they all own the land but some of the locals have title deeds showing private land ownership.	Abraham Tshiwa	<p>BBKTA makes use of its existing communication structures as well as communication through the kgosana of each community, to communicate with the people on the ground.</p> <p>PPM communicates with the community by means of a formal quarterly stakeholder engagement forum, regular newsletters, as well as ad-hoc meetings and discussions with community members.</p>
Would it be possible for locals to be upskilled prior to the plant expansion project going ahead so that we are ready to be employed when the project commences.	Beatrice Phiri	PPM will be made aware that your community requests to be given the necessary skills training to equip you with the expertise needed to be employed on the mine.
With regards to relocation, do you just take people from where they are and move them elsewhere? What is the process that will be used and do we need to register for this? I am referring to the farmers on Wilgespruit who will be affected as the pit extends.	Princess Nkuna	It is understood that PPM and the BBK will undertake a proper and formal relocation process.
What will the benefits be for the communities who remain when the mines have gone.	Re Monene	The law requires mines to have a SLP, which addressed post closure socio-economic challenges in the communities in which they operation. In this regard, does PPM have an approved SLP.
How long will the pit extension extend the life of mine by?	Re Monene	The pit will extend the current life of mine by 6 years.
All the decisions are made with the BBK in Moruleng. This is far detached from Ngweding. We don't understand the deals that they are signing on our behalf. That is purely an administrative institution. How can they decide what is best for all?	Edwynn	<p>BBKTA makes use of its existing communication structures as well as communication through the kgosana of each community, to communicate with the people on the ground.</p> <p>PPM communicates with the community by means of a formal quarterly stakeholder engagement forum, regular newsletters, as well as ad-hoc meetings and discussions with community members.</p>
What is the mine going to help us with? So far we have received very little from the mine. Where will we be in 2025?	Princess	PPM has an approved Social and Labour Plan which details plans to assist the community in which it operates.
We request benefits to the communities.	CL Siphala	
You come back time again with promises. We have not seen any progress in terms of the commitments of the SLP. we requested a copy of the SLP so we can hold the mine accountable for what they have committed to. We want to know when these things will happen and what the mine should have done already. We want an SLP workshop.	Mongezi Phiri	An SLP workshop was held with a stakeholder engagement committee from the community.
We are no longer trusting the mine and their empty promises. Every time meetings are held, promises are made regarding road	Princess Nkuna	PPM will be made aware that you would like to be taken seriously with regards to the issues you raise.

ISSUE RAISED	NAME	RESPONSE GIVEN
upgrades, dust mitigation etc. and we still wait.		
<b>Land Use issues</b>		
The mine is just taking over our land. Our land is fenced off and our livestock are relocated as the mine expands. We are running out of land, what will happen to us. The tribal authority and the mine are cheating us. It makes no sense to have decisions made in Moruleng when they are not the ones affected.	Gia Mogale	PPM will be made aware that you would like to be taken seriously with regards to the issues you raise.
<b>Traffic issues</b>		
The road condition is not good. In the wet season, the road is worse. Buses and taxis refuse to use this road. When there is an emergency, we are at risk as ambulances and basic services do not reach us.	Mary Maxalane	<p>The road network falls under the authority of the DTRCS. However, PPM grades approximately 60km of gravel roads in the vicinity of the mine for the communities on behalf of the Department of Roads.</p> <p>The mines will approach the DTRCS to encourage the Department to establish a joint venture with all the mines in the area to contribute towards maintenance of the road network.</p>
<b>Blasting issues</b>		
The damages resulting from blasting are on-going. Last year, SLR indicated that a blasting specialist would be commissioned. We are still waiting for these blast specialists and now you say it will be someone who is independent. How long must we wait for this as our houses continue to be damaged.	Princess Nkuna	An mine appointed blast specialist has been appointed. A blast assessment has been done on the house in Ngweding which is closest to the mine. The results indicate that there is no blast related damage. Going forward, an independent blast specialist will be appointed to verify the findings of the initial blast study.
There is a blasting monitoring point at my house but it is not maintained and I want to know what is going to happen to it. I look after this point but I want to know what I will get for doing this.	Bilani Pilwani	PPM will be made aware of your request.
I have a monitoring point on my property and want to know whether I will be paid for having such a machine on my land.	Simon Dekhe	PPM will be made aware of your request.

#### **4. THE WAY FORWARD**

- NB explained that all the raised issues in relation to the Plant Expansion project have been captured and would be included as terms of reference for the EIA/EMP phase going forward. Once compiled, this scoping report would be made available to the community for their review.
- All issues raised regarding the Pit Expansion project would be incorporated into the final documentation that will be submitted to the decision making authorities for their consideration;
- All the registered IAPs who have provided SLR with their postal addresses, a cell phone number and/or e-mail addresses will receive notification of the record of decisions.

#### **5. CLOSE**

The meeting was closed by NB.

## APPENDIX 1: ATTENDANCE REGISTER

Name and Surname	Interest in project	Postal address	Contact numbers	E-mail
Suan Mulder	SLR	P.O. Box 1596 Cramerview 2060	011 467 0945	<a href="mailto:smulder@slrconsulting.com">smulder@slrconsulting.com</a>
Caitlin Pringle				<a href="mailto:cpringle@slrconsulting.com">cpringle@slrconsulting.com</a>
Ntsako Baloyi				<a href="mailto:nbaloyi@slrconsulting.com">nbaloyi@slrconsulting.com</a>
Hylton Allison				<a href="mailto:hallison@slrconsulting.com">hallison@slrconsulting.com</a>
Samantha Scott				<a href="mailto:sscott@slrconsulting.com">sscott@slrconsulting.com</a>
Beatrice Phiri	CDW Dept of Local Govt. & Traditional Affairs	PO Box 924 Rhenosterkraal 0344	083 976 8695	<a href="mailto:Bn.phiri@yahoo.com">Bn.phiri@yahoo.com</a>
Princess Nkuna	Youth Chairperson		072 691 0238	
Boitshoko Molatlhegi			078 467 3080	
Mpho Tsheole			083 875 4396	
Selina Molefe			072 565 3922	
Troy Sibanda			078 367 1311	
Mmaphefo Modillane				
Lydia Teeke			072 283 4329	
Talitha Morem				
Selinah Konopi			072 330 4459	
Fitlhiwe Motlhabane			083 774 3305	
Seabueng Tshwagong			082 421 1266	
Matlakala Motshegare			060 151 5399	
Mandy Magocalaba			078 365 9974	
Pilane Tshilinane			082 519 5115	
JJ Motlegiso			072 941 5372	
LM Rakatane			073 498 8961	
Joel Menoe				
Offen Lekgotha			082 479 6255	
Petrus Tsheole			078 477 0353	
Solomon Moabi			076 384 9557	
Mongezi Phiri			073 403 3632	<a href="mailto:mongezip@nokiamail.com">mongezip@nokiamail.com</a>



## APPENDIX 2: PRESENTATION



**PILANESBERG PLATINUM MINES (PTY) LTD**  
**SCOPING MEETING FOR THE PROPOSED PLANT EXPANSION AND**  
**EIA/EMP FEEDBACK MEETING FOR THE PPM TUSCHENKOMST PIT EXTENSION**

DATE	09h00, 08 April 2014
VENUE:	Legkraal Community
PROJECT:	PPM Plant Expansion EIA/EMP and Tuschenkomst Pit Extension EIA/EMP
SLR COMPANY:	SLR Consulting (Africa)
PROJECT NUMBER:	B003-17 and 710.16002.20006
PURPOSE:	<p>The purpose of the meeting was to:</p> <ul style="list-style-type: none"> <li>• Provide members of the public with an overview of the proposed PPM Plant Expansion project;</li> <li>• identify issues to be addressed in the PPM Plant Expansion project;</li> <li>• assist members of the public in their review of the Tuschenkomst Pit Extension EIA/EMP report;</li> <li>• provide an opportunity for the public to raise queries to the project teams; and</li> <li>• register all interested and affected parties (IAPs) on the databases of both projects.</li> </ul>
ATTENDANCE:	An attendance register is presented in Appendix 1.

**1. OPEN AND INTRODUCTION**

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NB presented both projects using an A1 presentation. Delegates were also given copies of the background information document (BID) for the Plant Expansion project and the summary document for the Pit Extension project. The presentation delivered, gave an outline of the scoping process being undertaken for the Plant Expansion process as well as the EIA process which was undertaken for the Pit Extension project and the findings of the various specialist studies.

**3. DISCUSSION**

All the issues that were raised in the meeting and the responses that were given have been recorded in Table 1 below.

**TABLE 1: RECORD OF ISSUES RAISED AND RESPONSES GIVEN**

ISSUE RAISED	NAME	RESPONSE GIVEN
<b>Procedural issues</b>		
We don't want to sign the register as it could be used to show our approval of something that the mine is using.	Cecil Phiri	There is no obligation to sign the register. The register is for SLR's database so that we can ensure we have all IAPs registered for information sharing purposes.
The presentation is voluminous and we need time to digest it. We cannot listen to your presentation and then say what is right and wrong with what is happening.	Petrus Sibole	The intention of these meetings is not to pin point what is wrong or right with the presentation. It is for information sharing purposes so that we can record any issues which you may have and provide feedback on the status of projects.
If PPM was attending these meetings, we could arrange to go to site and see for ourselves what land will be compromised as a result of the project.	Seth Phiri	Your comment is noted and will be conveyed to the mine.
We would like more transparency in terms of the process for tendering. We want to know that there is no corruption.	Rose Njoro	Your comment is noted and will be conveyed to the mine.
Please will you follow up with the mine regarding the tender process. We would like to know what it is.	Letsolo Letlotlo	SLR is not involved in tender processes at the mine. Your comment is noted and will be conveyed to the mine.
<b>Technical/project related issues</b>		
Is the chemical plant a water intensive process?	Alpheus Phiri	At this stage it is not known how much water the chemical plant will utilise. This will however be investigated as part of the EIA process.
Is the platinum resource being depleted and this is why the pit is being extended?	Moses Molemane	The pit extension path will be extended in an easterly direction, following the ore body.
Why did PPM not apply for the whole area if they knew they would want to extend at some point?	Petrus Sibole	When PPM originally applied, limited information was available about the ore body. As geologists intensified their investigations more information became available resulting in the need to apply for extensions.
What is the expected life of mine?	Kgalalelo Molemane	The extension of the pit will extend the life of mine by 6 years. The plant expansion project will extend the life of the operation to 50 years.
The contractors bring in all their own staff. This means that there are fewer job opportunities available to locals.	Pearl	PPM will be made aware that Legkraal would like contractors to source labour from local communities.
<b>Blasting issues</b>		
Our houses are being damaged by blasting.	Petrus Sibole	The DMR recommended that an independent blast specialist be commissioned. It should be emphasised that this will be an independent specialist and not a specialist from the mine.
<b>Socio-economic issues</b>		
How will this plant expansion benefit our community? Will there be benefits for the locals of Legkraal? This should be a priority for the	Petrus Sibole	There will be benefits for the communities however these have not yet been quantified. PPM will be made aware that Legkraal would like recruitment to be

ISSUE RAISED	NAME	RESPONSE GIVEN
mine.		undertaken on a local level.
The issue of local recruitment must be addressed.	Kgalalelo Molemane	PPM will be made aware that Legkraal would like recruitment to be addressed.
We require experience and expertise in order to be offered job opportunities but how are we to get this experience if there is no skills development in place?	Tshina Ngwe	PPM will be made aware that Legkraal would like to be upskilled prior to the project going ahead.
Can PPM start training us with the skills necessary to work in the chemical plant?	Pearl Mokoto	PM's recruitment policies and procedures have been developed and implemented to comply with all relevant legislation. The mining operation requires a combination of skilled and semi-skilled personnel. In each case (position) preference would be given to local community members if they meet the skills required for any given position. Further detail on PPM's recruitment policies and procedures can be provided at the quarterly stakeholder meetings if requested. At this stage training cannot commence as it is not yet known what type of skilled employee will be required to operate the plant. PPM will investigate the possibility to undertake training during the final design process.
Adult Basic Education and Training (ABET) is done by the mine but this does not equip us with the relevant skills to be employed on the mine. PPM will be made aware that Legkraal would like to be upskilled prior to the project going ahead.	Kgalalelo Molemane	
The mine needs to be more caring for doorstep communities. PPM should take us seriously.	Dinah Dipela	PPM will be made aware that you would like to be taken seriously with regards to the issues you raise.
I am concerned that automation at the mine will leave us with even fewer job opportunities.	Rose Njoro	At this stage, PPM is an open pit operation and no automation of mining activities are considered at this stage.
There are water shortages in the communities but not at the mine.	Petrus Sibole	The water used by the mine is sourced from Magalies Water. However, if there is dewatering and any loss of groundwater as a result of the mine, PPM will compensate by providing an alternative water resource to those affected.
Has anyone been identified for relocation?	Kgalalelo Molemane	Yes, some farmers at Wilgespruit have been identified. They will be relocated and this process will be managed by PPM and the BBK.
There have been no benefits for nearby communities. Something that concerns me is that men leave in search of work elsewhere and leave behind single mothers who do not earn their own salaries.	Pearl	It has been noted that your community is disappointed with the lack of progress regarding addressing issues which are raised. PPM will be made aware that you are requesting action.
I would like to suggest that the school could be converted into an education and training centre.		There is an existing training centre at PPM. There are no plans to convert the school to a training centre.
There will be inward migration and this will be a problem. Already service delivery is not adequate.		PPM's recruitment policies and procedures have been developed and implemented to comply with all relevant legislation. The mining operation requires a combination of skilled and semi-skilled personnel. In each case (position) preference would be given to local community members if they meet the skills required for any given position.

ISSUE RAISED	NAME	RESPONSE GIVEN
		<p>In addition, where possible will workers be accommodated in the temporary housing development located on the farm Witkleifontein 136 JP, in the nearby communities and towns or at the accommodation camp which may be established at the neighbouring Sedibelo platinum mine.</p> <p>The mine is not a service provider. Service provision is the responsibility of the local municipality, Moses Kotane Local Municipality. PPM has a Social and Labour Plan, which details plans to assist the community in which the mine operates.</p>
<p>We cannot provide any services to the mine as we do not have the necessary skills.</p>		<p>PM's recruitment policies and procedures have been developed and implemented to comply with all relevant legislation. The mining operation requires a combination of skilled and semi-skilled personnel. In each case (position) preference would be given to local community members if they meet the skills required for any given position. Further detail on PPM's recruitment policies and procedures can be provided at the quarterly stakeholder meetings if requested.</p> <p>At this stage training cannot commence as it is not yet known what type of skilled employee will be required to operate the plant. PPM will investigate the possibility to undertake training during the final design process.</p>
<p>In reality, the mine cannot absorb all of the unemployed. The mine has however promised development and upliftment projects outside of the mine however many of these have not been put in place.</p>	Kgalalelo Molemane	<p>Each of the proposed projects will have a Social and Labour Plan, which details the applicant's plans to assist the community in which it operates.</p>
<b>Surface and groundwater issues</b>		
<p>What if contaminated water from the plant reaches the communities?</p>		<p>The water storage and stormwater control infrastructure will be design as part of the EIA process. It will be designed in such a way to ensure compliance the relevant legislation.</p>
<b>Air quality issues</b>		
<p>What will the air quality implications be of the chemical plant?</p>	Kgalalelo Molemane	<p>This will be addressed by a specialist as part of the EIA/EMP process.</p>
<p>When will the PM10 monitors be installed?</p>		<p>It is expected that PM10 monitors will be installed in 2015.</p>
<b>Noise issues</b>		
<p>What is the permissible noise level</p>	Kgalalelo Molemane	<p>The SANS guidelines (SANS 10103) stipulate that noise levels from a development that cause ambient background noise levels to increase by up to 3dBA is acceptable (note that this is the upper limit), while 5 dB is considered a significant impact.</p>
<b>Rehabilitation issues</b>		
<p>There are pits at Rooderand which have not been rehabilitated.</p>	Petrus Sibole	<p>The pit at Tuschenkomst will be backfilled 70 % with waste rock and the</p>

ISSUE RAISED	NAME	RESPONSE GIVEN
How do we know that PPM will not do the same?		remaining 30 % will be flooded. The flooded pit will provide water for community and agricultural purposes.
<b>Heritage issues</b>		
What is being done to preserve cultural and heritage resources?	Kgalalelo Molemane	Areas of cultural significance are identified and investigated by specialists.
<b>Traffic issues</b>		
The plant expansion project will result in an increase in traffic. We would like to request that speed bumps and other mitigation measures be put in place.	Tshina Ngwe	PPM will be made aware that the Legkraal community is concerned about traffic volumes and speeds.
The speed and road markings on the P-51 are not adequate. The road is unsafe.	Alpheus Phiri	The road network falls under the authority of the DTRCS. However, PPM grades approximately 60km of gravel roads in the vicinity of the mine for the communities on behalf of the Department of Roads.  The mines will approach the DTRCS to encourage the Department to establish a joint venture with all the mines in the area to contribute towards maintenance of the road network.
The mine using the road past Ngweding means that the condition is not good. The mine needs to maintain this road.		
<b>Land use issues</b>		
A portion of 6 JQ belongs to the community of Legkraal. It is independent to the BBK.	Unknown IAP	This issue will be followed up with the Department of Land Affairs.

**4. THE WAY FORWARD**

- NB explained that all the raised issues in relation to the Plant Expansion project have been captured and would be included as terms of reference for the EIA/EMP phase going forward. Once compiled, this scoping report would be made available to the community for their review.
- All issues raised regarding the Pit Expansion project would be incorporated into the final documentation that will be submitted to the decision making authorities for their consideration;
- All the registered IAPs who have provided SLR with their postal addresses, cell phone number and/or e-mail addresses will receive notification of the record of decisions.

**5. CLOSE**

The meeting was closed by NB.

## APPENDIX 1: ATTENDANCE REGISTER

Name and Surname	Interest in project	Postal address	Contact numbers	E-mail
Suan Mulder	SLR	P.O. Box 1596 Cramerview 2060	011 467 0945	<a href="mailto:smulder@slrconsulting.com">smulder@slrconsulting.com</a>
Caitlin Pringle				<a href="mailto:cpringle@slrconsulting.com">cpringle@slrconsulting.com</a>
Ntsako Baloyi				<a href="mailto:nbaloyi@slrconsulting.com">nbaloyi@slrconsulting.com</a>
Hylton Allison				<a href="mailto:hallison@slrconsulting.com">hallison@slrconsulting.com</a>
Motlhale Matsetse			074 856 2694	
Herman Diatshwana			072 963 9136	
Abueng Thipe			083 542 4821	
Tshakano Motlobo			073 379 5201	
Itumeleng Malabe			078 576 6191	
Kabelo Diatshwana			073 002 1964	
Rose Njoro			060 436 7865	
Molly Diatshwana			079 762 7661	
Lebogang Mdaka			083 314 0470	
Ben Selema			072 765 3342	
Marcus Maleka			073 870 9650	
John Montsho			072 554 0015	
Aoheus Phiri			078 126 0951	
Rosinah Motloba			071 532 2241	
Boitshepo Motloba			973 563 0537	
Maria Maleke			083 665 7206	
Seipati Mokotedi			076 403 1078	
Nancy Lesejane			073 014 6054	



Name and Surname	Interest in project	Postal address	Contact numbers	E-mail
Mama Molemane			072 239 7973	
Martha Leseeyane			073 679 5474	
Kelebogile Motloba			078 526 6834	
Mathapelo Segale			079 575 6760	
Lesego Motloba			071 741 7699	
Motlatsi Nkone			071 962 4096	
Kgomotso Nkone				
Lebogang Memene			072 855 7961	
Kebonye Gadimang			076 544 9530	
Nercia Motloba			078 860 0994	
Ketumetse Motloba		PO Box 9299 Legkraal 0318	073 240 4510	
Fancy Motloba			073 828 1732	
Moflalepule Motloba			073 648 5386	
Kelefilwe Motloba			072 306 8882	
Khumo Molemane		PO Box 9267 Legkraal 0318	073 343 7982	
Amogelang Makedi			076 213 9829	
Patience Maleka			060 425 6833	
Thuso Melemene			076 754 8988	
Boetsang Nkane			079 642 5560	
John Moseki		PO Box 9218 Legkraal 0318	078 154 7118	
Petrus Sebole			082 329 5915	
Isaacson Molemane			078 982 0163	
Maria Motepe			083 558 3604	

Name and Surname	Interest in project	Postal address	Contact numbers	E-mail
MS Phiri			073 260 3943	
BM Phiri			078 373 6122	
A Ntsime				
M Molemane			076 5446215	
K Mokotedi			083 725 8105	
J Montsho			072 554 0015	
J Modise			078 397 9260	
M Ntuane			073 278 1951	
M Bogotsu			078 490 8481	
P Puelwane			078 695 6327	
JK Maiketswane			071 567 6063	
K Ntsime			081 006 4317	
TR Diatshwana			083 768 2557	
J Motloba				
T Modise			071 518 7784	
M Ntsime			079 772 4895	
L Molemane			076 972 3275	
G Khunou			073 096 7553	
H Letsholo				
EK Molemane			073 419 4241	
M Phiri			076 597 6058	
T Njoro			073 379 0352	
Alpheus Phiri			078 126 0951	
R Ntsime			073 325 2559	
Daniel Khumalo				

## APPENDIX 2: PRESENTATION



**PILANESBERG PLATINUM MINES (PTY) LTD**  
**SCOPING MEETING FOR THE PROPOSED PPM PLANT EXPANSION AND**  
**EIA/EMP FEEDBACK MEETING FOR THE PPM TUSCHENKOMST PIT EXTENSION**

<b>DATE</b>	12h00, 07 April 2014
<b>VENUE:</b>	Lesobeng Community
<b>PROJECT:</b>	PPM Plant Expansion EIA/EMP and Tuschenkomst Pit Extension EIA/EMP
<b>SLR COMPANY:</b>	SLR Consulting (Africa)
<b>PROJECT NUMBER:</b>	B003-17 and 710.16002.20006
<b>PURPOSE:</b>	<p>The purpose of the meeting was to:</p> <ul style="list-style-type: none"> <li>• Provide members of the public with an overview of the proposed PPM Plant Expansion project;</li> <li>• identify issues to be addressed in the PPM Plant Expansion project;</li> <li>• assist members of the public in their review of the Tuschenkomst Pit Extension EIA/EMP report;</li> <li>• provide an opportunity for the public to raise queries to the project teams; and</li> <li>• register all interested and affected parties (IAPs) on the databases of both projects.</li> </ul>
<b>ATTENDANCE:</b>	An attendance register is presented in Appendix 1.

**1. OPEN AND INTRODUCTION**

The meeting was opened with a prayer and hymn. Ntsako Baloyi (NB) of SLR Consulting (Pty) Ltd (SLR) then introduced the project team which included Hylton Allison (HA) and Suan Mulder (SM) as project manager and Caitlin Pringle (CP) as project assistant. NB explained that the presentation would be given in Setswana and responses would be fielded by himself, with input from HA and SM where required. Where responses were given by HA and SM, NB would facilitate the translation thereof.

**2. PRESENTATIONS**

NB presented both projects using an A1 presentation. Delegates were also given copies of the background information document (BID) for the Plant Expansion project and the summary document for the Pit Extension project. The presentation delivered, gave an outline of the scoping process being undertaken for the Plant Expansion process as well as the EIA process which was undertaken for the Pit Extension project and the findings of the various specialist studies. With reference to the Pit Extension project, NB explained the significance rating of the potential impacts in both the mitigated and unmitigated scenarios and highlighted some of the mitigation measures put in place to address these. A copy of the presentation is attached in Appendix 2.

**3. DISCUSSION**

All the issues that were raised in the meeting and the responses that were given have been recorded in Table 1 below.

**TABLE 1: RECORD OF ISSUES RAISED AND RESPONSES GIVEN**

ISSUE RAISED	NAME	RESPONSE GIVEN
<b>Procedural issues</b>		
We want the mine represented at these meetings.	Obakeng Motlake	PPM will be made aware that the Lesobeng community would like a representative from the mine to be present at these meetings.
<b>Groundwater and surface water issues</b>		
What will the mine do about the water shortages at Lesobeng?	Moerane Molefe	It is clear that the villages in the area experience mostly the same problems. This needs to be solved in joint discussions with the mine, the municipality and the BBK as a combined effort.
We have already requested that we be given water via the two pipelines that run close to our farms and homes. A report was submitted in which this was requested but nothing has been done. And now you are proposing to submit another report in which we will make the same request.	Dan Segale	
We would like to see recruitment being done in local communities such as Lesobeng.	Obakeng Motlake	PPM will be made aware that the Lesobeng community would like recruitment to be done locally. This will be taken forward by the BBKTA.
<b>Traffic issues</b>		
Will the haul roads and bridges which you speak of be limited to the project area alone?	Obakeng Motlake	Infrastructure will be limited to the project area with the exception of some roads and the bridge which will be off-site and be used for access to the mine. The North West Department of Roads and Transport has committed to maintaining and upgrading a stretch of 60 km of road in this area. On-going road maintenance needs to be discussed by the municipality, the North West Department of Roads and Transport and PPM.
The staff of PPM are using the road from Sefikile to Mononono but they don't maintain it. During the wet season this road cannot cope with the volumes of mine traffic and the speed at which the vehicles travel.	Dan Segale	PPM will be made aware that you are concerned about the condition of the road from Sefikile to Mononono.

#### **4. THE WAY FORWARD**

- NB explained that all the raised issues in relation to the Plant Expansion project have been captured and would be included as terms of reference for the EIA/EMP phase going forward. Once compiled, this scoping report would be made available to the community for their review.
- All issues raised regarding the Pit Expansion project would be incorporated into the final documentation that will be submitted to the decision making authorities for their consideration;
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#### **5. CLOSE**

The meeting was closed by NB.

## APPENDIX 1: ATTENDANCE REGISTER

Name and Surname	Interest in project	Postal address	Contact numbers	E-mail
Hylton Allison	SLR	P.O. Box 1596 Cramerview 2060	011 467 0945	<a href="mailto:hallison@slrconsulting.com">hallison@slrconsulting.com</a>
Caitlin Hird				<a href="mailto:chird@slrconsulting.com">chird@slrconsulting.com</a>
Ntasko Baloyi				<a href="mailto:nbaloyi@slrconsulting.com">nbaloyi@slrconsulting.com</a>
BS Mobedi			081 058 5142	
JS Molefe			083 875 0164	
OT Motlhaga			083 345 0414	
Daniel Motlotle			076 345 6886	<a href="mailto:Daniel.segale@bbkta.co.za">Daniel.segale@bbkta.co.za</a>
Isaac Ramogobeng			076 958 7312	
Thapelo Pilane			083 871 0239	
Charles kgalagi			078 230 1565	
Siko Motshegane			072 621 9584	
Makobung Tutu			079 235 0616	
Molefe Monane		PO Box 57	073 616 5204	
Daniel Katana		PO Box 14		
Jabula Phefo		PO Box 35		

## APPENDIX 2: PRESENTATION





**PILANESBERG PLATINUM MINES (PTY) LTD**

**SCOPING MEETING FOR THE PROPOSED PLANT EXPANSION AND**

**EIA/EMP FEEDBACK MEETING FOR THE PPM TUSCHENKOMST PIT EXTENSION**

DATE	09h00, 07 April 2014
VENUE:	Lekutung Community
PROJECT:	PPM Plant Expansion EIA/EMP and Tuschenkomst Pit Extension EIA/EMP
SLR COMPANY:	SLR Consulting (Africa)
PROJECT NUMBER:	B003-17 and 710.16002.20006
PURPOSE:	<p>The purpose of the meeting was to:</p> <ul style="list-style-type: none"> <li>• Provide members of the public with an overview of the proposed PPM Plant Expansion project;</li> <li>• identify issues to be addressed in the PPM Plant Expansion project;</li> <li>• assist members of the public in their review of the Tuschenkomst Pit Extension EIA/EMP report;</li> <li>• provide an opportunity for the public to raise queries to the project teams; and</li> <li>• register all interested and affected parties (IAPs) on the databases of both projects.</li> </ul>
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NB explained that the presentation would be given in Setswana and responses would be fielded by himself, with input from HA and SM where required. Where responses were given by HA and SM, NB would facilitate the translation thereof.

**2. PRESENTATIONS**

NB presented both projects using an A1 presentation. Delegates were also given copies of the background information document (BID) for the Plant Expansion project and the summary document for the Pit Extension project. The presentation delivered, gave an outline of the scoping process being undertaken for the Plant Expansion process as well as the EIA process which was undertaken for the Pit Extension project and the findings of the various specialist studies.

**3. DISCUSSION**

All the issues that were raised in the meeting and the responses that were given have been recorded in Table 1 below.

**TABLE 1: RECORD OF ISSUES RAISED AND RESPONSES GIVEN**

ISSUE RAISED	NAME	RESPONSE GIVEN
<b>Procedural issues</b>		
We would like to see PPM represented at these meetings. They are the ones who can answer and address our issues and concerns.	Kgamanye Pilane	PPM will be made aware that you would like the mine to attend the meetings.
We request direct engagement with PPM. They are the only ones who can answer and address our issues and concerns.	Kgaogelo Pilane	PPM will be made aware that you would like the mine to attend the meetings.
Has the plant expansion project started yet or not?	Mpho Motloba	The plant expansion project is still in the scoping phase. If the project is approved, we would expect a record of decision by the second term of 2015.
If the project is approved, will we have to wait until next year for any action in terms of jobs? The reason for my question is that these type of projects require skilled resources and my thinking is that this time can be used for training potential employees so that when the project is approved, the communities may have the relevant skills.	August Miganyo	<p>The DMR has a prescribed 160 day period in order to review the report and issue a record of decision. In this regard, these timeframes are beyond the control of SLR and PPM.</p> <p>PPM's recruitment policies and procedures have been developed and implemented to comply with all relevant legislation. The mining operation requires a combination of skilled and semi-skilled personnel. In each case (position) preference would be given to local community members if they meet the skills required for any given position. Further detail on PPM's recruitment policies and procedures can be provided at the quarterly stakeholder meetings if requested.</p>
<b>Air quality issues</b>		
The dust pollution resulting from blasting activities is problematic as the ammonia smell is unpleasant. The mine must please look at mitigation measures to reduce this.	Mpho Motloba	PPM is planning to install a PM10 monitoring station and this will provide more information to the mine in terms of understanding the health impacts associated with the air pollution resultant from blasting.
The ambient dust is not the only dust related issue. Another concern is that the mine employees come home carrying this dust on their clothing etc. Is it not possible for the mine to build change houses where the open pit employees can change prior to returning home to the communities?	Dumisang Molemane	PPM will be made aware that you are concerned about the dust brought home by open pit workers.
<b>Socio-economic issues</b>		
How will the plant expansion project benefit the community?	Koketso Pilane	Although this has not yet been quantified there will be benefits to the community.
The mine is already in existence but there are no benefits. How will the plant expansion project be any different?	Relebogile Molefe	It has been noted that you would like to receive benefits from the proposed expansion project.
I would like to propose that recruitment for the plant expansion is done on doorstep communities first.		SLR has noted your comment and PPM will be made aware of the fact that the Lekutung community would like to be considered for employment should jobs be offered.
You come back to the communities time and again, but there is never any progress, especially in terms of recruitment.	Bhuthi Pilane	It has been noted that your community is disappointed with the lack of progress regarding addressing issues which are raised. PPM will be made aware that you are requesting action.
Communities need to be equipped with the relevant skills prior to recruitment taking place. In this way, we will be employable when the	Katlego Manakwena	SLR will make PPM aware that your community would like skills development to be made a priority.

ISSUE RAISED	NAME	RESPONSE GIVEN
employment opportunities become available.		
We are asking for bursaries for children and educational opportunities for the youth in our communities.	Victor Modimueng	Your request for educational bursaries has been noted. This will be forwarded to PPM.
How will inward migration be controlled? There are many employees coming in from outside of our community.	Mpho Motloba	PPM's recruitment policies and procedures have been developed and implemented to comply with all relevant legislation. The mining operation requires a combination of skilled and semi-skilled personnel. In each case (position) preference would be given to local community members if they meet the skills required for any given position. In addition, where possible will workers be accommodated in the temporary housing development located on the farm Witkleifontein 136 JP, in the nearby communities and towns or at the accommodation camp which may be established at the neighbouring Sedibelo platinum mine.
SLR must please emphasise to the mine that we would like recruitment opportunities presented to Lekutung. We are one of the most neglected villages of the Bakgatla.	August Mganyo	PPM will be made aware that your community would like the recruitment process to be undertaken in Lekutung.
Can the mine assist our community with stormwater management and sanitation issues?	Dora Munyazi	This is the responsibility of the local municipality.
The mine should act early and provide the necessary skills training in communities so that when the plant expansion project starts, people in the communities will have the necessary expertise to be employed. This issue can be grouped with Katlego and August's issue.	Motshe Modise	PPM will be made aware that you would like skills training and development in your community so that you are ready and trained for potential jobs on the mine should they be offered.
<b>Land Use issues</b>		
If mining goes ahead at Magazynskraal, how will the mine assist the community members who will experience a loss in grazing?	Nana Segapa	If mining proceeds on Magazynskraal, PPM will ensure that those affected are provided with alternative grazing land. It should however be noted that if approved, Magazynskraal will be an underground mine and current surface use could largely continue.
In terms of relocating farmers, will it only be alternative land that is granted by the mine or will there also be financial compensation?	Dora Munyazi	Where possible, first priority will be to find alternative and suitable grazing/cultivating land will be found for farmers.
<b>Traffic issues</b>		
I am worried that traffic volumes will be increased as a result of the plant expansion. Recently, five cattle were killed by vehicles travelling at high speeds.		Your concerns have been noted and will be passed on to the traffic specialist for the purposes for inclusion in the specialist assessment.

#### **4. THE WAY FORWARD**

- NB explained that all the raised issues in relation to the Plant Expansion project have been captured and would be included as terms of reference for the EIA/EMP phase going forward. Once compiled, this scoping report would be made available to the community for their review.
- All issues raised regarding the Pit Expansion project would be incorporated into the final documentation that will be submitted to the decision making authorities for their consideration;
- All the registered IAPs who have provided SLR with their postal addresses, cell phone number and/or e-mail addresses will receive notification of the record of decisions.

#### **5. CLOSE**

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Name and Surname	Interest in project	Postal address	Contact numbers	E-mail
Suan Mulder	SLR	P.O. Box 1596 Cramerview 2060	011 467 0945	<a href="mailto:smulder@slrconsulting.com">smulder@slrconsulting.com</a>
Caitlin Pringle				<a href="mailto:cpringle@slrconsulting.com">cpringle@slrconsulting.com</a>
Ntsako Baloyi				<a href="mailto:nbaloyi@slrconsulting.com">nbaloyi@slrconsulting.com</a>
Hylton Allison				<a href="mailto:hallison@slrconsulting.com">hallison@slrconsulting.com</a>
BW Lebotse			071 772 2986	
Lebotse Matshego			073 976 8561	
SK Rasepae			071 088 8063	
TE Pitse				
Tsietsi Sello			078 639 9549	
Gee Pilane			071 798 1405	
Botshoko Pilane			079 023 4451	
Kgaugelo Pilane			079 197 0734	
Dorah Monyatsi			073 1035067	
Mmanlolefe Teme			073 087 6754	
Nowo Monyatsi				
Tebogo Phefo			072 216 9375	
Pelly Pheto			084 043 4894	
Rebone Manamela			074 690 9858	
Tebogo Pheto			072 940 3716	
Mpho Motloba			078 737 4280	
Daigel Monyatsi			073 842 8457	
Stephen Kgwekane			082 701 9550	
Kgamanye Pilane			078 773 0362	

<b>Name and Surname</b>	<b>Interest in project</b>	<b>Postal address</b>	<b>Contact numbers</b>	<b>E-mail</b>
Kenneth Rapole			071 748 6811	
Victor Madlala			071 772 9586	
Tumisang Molemane			074 043 3405 084 895 9365	
Victor Modimueng			076 643 7338	
Tebogo Monyatsi		P O Box 516 Lesetlheng 0374	076 941 8863	
Bokang Kgwefane		P O Box 390 Lesetlheng 0374	076 127 4203	
Frank Pilane			071 370 0148	<a href="mailto:frank.pilane@gmail.com">frank.pilane@gmail.com</a>
Segalo Diphoko			078 925 7898	
Bruno Diphoko			073 389 0243	
Botshelo Letsapa			078 980 9820	
Thato Sefora			072 706 4142	<a href="mailto:super.thato45@gmail.com">super.thato45@gmail.com</a>
Simon Mayobe			073 082 4049	
Victor Motsisi			072 150 6733	
Ronald Badisa			073 939 9608	
David Pheto			084 783 2441	
Modise Lebotse			076 199 5326	
Olefile Molefe			078 377 6403	
Thabo Moanakwena			079 079 6047	
Katlego Aaron		P O Box 50 Lesetlheng 0374	072 401 0198	
Katlego Mokalake			073 061 8754	
Mpho Mogapi			078 901 1575	<a href="mailto:mphoruth.mr@gmail.com">mphoruth.mr@gmail.com</a>

<b>Name and Surname</b>	<b>Interest in project</b>	<b>Postal address</b>	<b>Contact numbers</b>	<b>E-mail</b>
Charmaine Mofomane			079 811 1732	<a href="mailto:charmymolemane85@gmail.com">charmymolemane85@gmail.com</a>
Nontho Maketswane		PO Box 2055 Mogwase 0314	078 599 6264	
Ruth Pilane		P O Box 486 Lesetlheng 0374		
Relebogile Selby			076 976 2686	
Leube Pilane			071 798 1405	

## APPENDIX 2: PRESENTATION



## Carol Kenyon

---

**From:** Mariette Liefferink <mariettel@iburst.co.za>  
**Sent:** 21 May 2015 06:31 PM  
**To:** Fiona Bolton  
**Cc:** Pieter Alberts; pieter.swart@dmr.gov.za; Andre.Cronje@dmr.gov.za; Abraham.Nieman@dmr.gov.za; d.zoekop@lando.co.za; pkrisjan@nwpg.gov.za; Lungiswa Nonkomo; Carene Wessels  
**Subject:** RE: PPM Proposed Plant Expansion EIA: Draft Scoping Report available for review: OBJECTION  
**Attachments:** FEPA MAP.jpg; PPM LETTER RE DMR FINALISATON OF APPROVAL.pdf; PPM 29-09-2014 REQUEST RE STATUS OF APPEAL.docx

Dear Fiona (Sirs and Mesdames)

I thank you for the notification.

Regrettably, I was presenting at a conference in Pretoria today and was not available to receive the documents. I thank you sincerely for your willingness to deliver the documents. I am again presenting in Pretoria tomorrow. May I perhaps collect the documents from your offices in the afternoon or next week?

My preliminary comments, on behalf of the FSE, and in the absence of having read the draft Scoping Report are as follows:

In April 2015 we were informed of the EIA/EMP report for the proposed changes to surface infrastructure at Pilanesberg Platinum Mine (DREAD REF: NWP/EIA/88/2011. DEA REF NO: 12/9/11/L750/7).

The above-mentioned application involved significant changes to the surface infrastructure namely, the Applicant proposed to *inter alia*:

- Extend the Tuschenkomst open pit onto the farms Wilgespruit 2JQ and Portion 1 of Rooderand 46JQ
- Extend the existing Tuschenkomst waste rock dump
- Construct three bridges over the main Wilgespruit channel and / or its tributaries within the project area
- To extend the footprint of the existing waste rock dump n the farm Tushenkomst 135JP

In the recent application, were are informed of the Applicant's proposed expansion of:

1. A mineral processing facilities to incorporate the following within the boundary of the existing processing plant
2. A hydrometallurgical plant for the extraction of PGMs and base metals;
3. An UG2 milling and flotation circuit to process ore from the SPM operation;
4. A modular tailings re-treatment plant for the extraction of PGMs, which will require the re-processing of the existing TSF;
5. A chrome recovery facility to extract chrome resources from ore produced by the Sedibelo Platinum Mines operation.

In addition to the above-mention processing facility expansion, it is planned that the following infrastructure will be established or upgraded:

- the existing sewage treatment plant will be upgraded;
- establishment of a waste storage facility at the mine and plant area;

- construction of a new training centre;
- establishment of a number of community based initiatives such as:
- aggregate crusher and brick making project

We express concern regarding the piece-meal approach by the Applicant. We hereby request that an assessment be conducted of the accumulative impacts of:

1. the current operations
2. the changes to the surface infrastructure at the Pilanesberg Platinum Mine
3. the proposed Plant Expansion

We hereby record our objection to the above-mentioned Applicant grounded upon the absence of:

1. An Environmental Management Framework for the Pilanesberg area,
2. A regional assessment of the impacts upon water quality and quantity and biodiversity
3. A decision by the DMR regarding the internal appeal which was brought by the FSE, in December 2011 in terms of Section 96(1) of the MPRDA for the amendment to the Pilanesberg Platinum Mine's EMP's Closure Objectives
4. The PPM's operations, including the diversion of river systems, without a lawful water use licence from 2008 to November 2013
5. The PPM's operations with a NFEPA area.

Best Regards

Mariette Liefferink  
CEO: FEDERATION FOR A SUSTAINABLE ENVIRONMENT  
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---

**From:** Fiona Bolton [mailto:[fbolton@slrconsulting.com](mailto:fbolton@slrconsulting.com)]

**Sent:** 21 May 2015 11:46 AM

**Subject:** PPM Proposed Plant Expansion EIA: Draft Scoping Report available for review

**PILANESBERG PLATINUM MINES (PTY) LTD**

**ENVIRONMENTAL ASSESSMENT PROCESS FOR THE PROPOSED MINERAL PROCESSING PLANT EXPANSION PROJECT  
AT PILANESBERG PLATINUM MINE**

Dear Interested and/or Affected Party (IAP)

The draft Scoping Report for the proposed expansion of mineral processing facilities at Pilanesberg Platinum Mine (PPM) is available for review. Attached is a summary document of the draft Scoping Report.

Full copies of the report are available for review at the following places:

- Villages immediately surrounding the project area, namely. Legkraal/Bofule, Ramasedi, Ntswana-le-Metsing, Motlhabe, Ngweding, Magalane, Magong, Lekutung, Lesobeng and Lesetlheng;
- Bakgatla-ba-Kgafela offices in Saulspoort;
- Moses Kotane Local Municipality in Saulspoort;
- Rustenburg public library;
- Black Rhino Game Reserve;
- Pilanesberg Platinum Mine;
- SLR's offices in Johannesburg;
- Electronically (on a CD) on request.

The closing date for the review of the draft Scoping Report and submission of comments by IAPs is **Thursday, 2 July 2015**. Comments should be submitted in writing to SLR via fax (011 467 0978) and/or email ([fbolton@slrconsulting.com](mailto:fbolton@slrconsulting.com)).

Should you have any queries please don't hesitate to contact me.

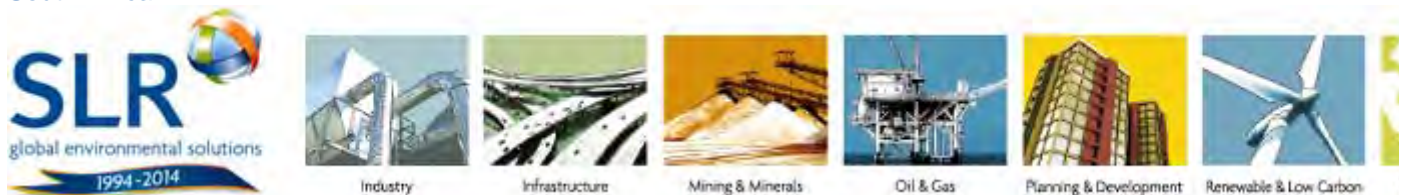
Regards  
Fiona

**Fiona Bolton**

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PRELIMINARY COMMENTS ON THE ENVIRONMENTAL ASSESSMENT PROCESS  
FOR THE PROPOSED PLANT EXPANSION PROJECT FOR THE PILANESBERG  
PLATINUM MINE (PTY) LTD

DRAFT SCOPING REPORT FOR REVIEW

Reference numbers:

SLR: 710.16002.00026

DMR: NW30/5/1/2/2/320MR ;

DEDECT: NWP/EIA/87/2013

My preliminary comments, on behalf of the FSE, and in the absence of having read the draft Scoping Report are as follows:

In April 2015 we were informed of the EIA/EMP report for the proposed changes to surface infrastructure at Pilanesberg Platinum Mine (DREAD REF: NWP/EIA/88/2011. DEA REF NO: 12/9/11/L750/7).

The above-mentioned application involved significant changes to the surface infrastructure namely, the Applicant proposed to *inter alia*:

- Extend the Tuschenkomst open pit onto the farms Wilgespruit 2JQ and Portion 1 of Rooderand 46JQ
- Extend the existing Tuschenkomst waste rock dump
- Construct three bridges over the main Wilgespruit channel and / or its tributaries within the project area
- To extend the footprint of the existing waste rock dump on the farm Tushenkomst 135JP.

In the recent application, we are informed of the Applicant's proposed expansion of:

1. A mineral processing facilities to incorporate the following within the boundary of the existing processing plant
2. A hydrometallurgical plant for the extraction of PGMs and base metals;
3. An UG2 milling and flotation circuit to process ore from the SPM operation;
4. A modular tailings re-treatment plant for the extraction of PGMs, which will require the re- processing of the existing TSF;
5. A chrome recovery facility to extract chrome resources from ore produced by the Sedibelo Platinum Mines operation.

In addition to the above-mention processing facility expansion, it is planned that the following infrastructure will be established or upgraded:

- the existing sewage treatment plant will be upgraded;
- establishment of a waste storage facility at the mine and plant area;
- construction of a new training centre;
- establishment of a number of community based initiatives such as:
- aggregate crusher and brick making project

We express concern regarding the piece-meal approach by the Applicant. We hereby request that an assessment be conducted of the accumulative impacts of:

1. the current operations
2. the changes to the surface infrastructure at the Pilanesberg Platinum Mine
3. the proposed Plant Expansion

We hereby record our objection to the above-mentioned Application grounded upon the following:

1. An Environmental Management Framework (EMF) for the Pilanesberg area has not been developed.
2. A regional assessment of the impacts upon water quality and quantity has not been conducted.

In terms of the Department of Water Affairs' *Classification of Significant Water Resources in the Crocodile (West) Marico WMA and Matlabas and Mokolo Catchments: Limpopo WMA (WP 10506) Classification Report* a dramatic increase in water demands is predicted as a result of:

- Current mining activities and proposed mining activities
- Sasol's proposed Maphuta coal to liquid fuel projects
- The exploitation of the vast coal reserves in the Waterberg;
- Exxaro's Grootegeluk Colliery (largest open cast coal mine of its kind in the world);
- The expansion of the Grootegeluk mine to supply the new Medupi Power Station with coal; and
- Matimba and Medupi three new Eskom power stations in the future. (Pages 3 and 4 of the Classification Report.)

In terms of the *Summary of challenges in the WMA* (Ref. DWS Business Case for the Limpopo CMA. September 2013) it was found that:

- Water resources are nearly fully developed with all available water being highly utilised
- Limited options for further resource development exists - attributable to the arid climate, unfavourable topography, sandy rivers as well as important conservation areas
- Implementation of the Reserve is expected to result in serious deficits in some of the main river catchments
- Planning has been made for large new mining developments in the Mokapane-Mogoto area for which additional water will be required
- Urban and industrial growth will mainly be concentrated in the Johannesburg, Tswane and Polokwane areas, where local water resources already are in short supply and need to be augmented by transfers from other WMAs.
- There are severe eutrophication problems at dams in the WMA.
- Possibility for new power stations and/or petrochemical industries to be developed around the coalfields in the Lephalale area
- Water pollution owing to large quantities of effluent discharged into the rivers in urban and industrial areas in the WMA.

If Acid Mine Drainage is not treated to a level where the salt load is removed, the Upper Vaal will go into deficit. With the Upper Vaal in deficit there would then be no possibility of transferring water into the Crocodile West/Marico and Limpopo Water Management Areas<sup>1</sup>.

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<sup>1</sup> Reference: The Impact of Acid Mine Drainage in the Witwatersrand on the Mining Industry in Mpumalanga, Free State, Limpopo, North West and Northern Cape Provinces. Richard Holden. Trans Caledon Tunnel Authority. 2013

At the time of writing the feasibility study for the long term treatment of AMD (desalination) has not been signed off by the honourable Minister of Water and Sanitation.

3. A decision by the DMR regarding the internal appeal which was brought by the FSE, in December 2011 in terms of Section 96(1) of the MPRDA for the amendment to the Pilanesberg Platinum Mine's EMP's Closure Objectives, has not been taken.
4. The PPM operated without a lawful water use licence from 2008 to November 2013 and diverted two river systems,
5. The project falls within a National Freshwater Eco-System Priority Area (NFEP) area.

In terms of the Mining and Biodiversity Guidelines of the Department of Mineral resources FEPA areas are areas of the highest biodiversity importance. These areas present the highest risk for mining and the likelihood of a fatal flaw is very high because of the significance of the biodiversity features in these areas and the associated ecosystem services.

These areas are viewed as necessary to ensure protection of biodiversity, environmental sustainability, and human wellbeing.

An EIA should include the strategic assessment of optimum, sustainable land use for this particular area in order to determine the significance of the impact on biodiversity. This assessment should full take into account the environmental sensitivity of the area, the overall environmental and socio-economic costs and benefits of mining and well as the potential strategic importance of the minerals to the country.

Authorisations, in terms of the above-mentioned Guidelines, **may well not be granted**. If granted the authorisation may set limits on allowed activities and impact, and may specify biodiversity offsets that would be written into licence agreements and or authorisations.

6. The project will significantly and adversely impact upon the viability of future land uses and livelihood opportunities as identified in the IDPs of the Moses Kotane Municipality.

The recently developed National Development Programme, does not state that mining investment and production is “urgent”, but rather that “[it] is urgent to stimulate mining

*investment and production in a way that is environmentally sound...*” (Reference: National Planning Commission National Development Plan 2030: Our Future – Make it Work (n.d.),146.)

We believe that the project is not environmentally sound, ecologically sustainable and economically and socially justifiable.

SUBMITTED BY:

Mariette Liefferink

CEO: FEDERATION FOR A SUSTAINABLE ENVIRONMENT

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23 May 2015.



## Carol Kenyon

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**From:** Phiri Cassius <phiricassius@yahoo.com>  
**Sent:** 24 May 2015 12:19 AM  
**To:** Fiona Bolton  
**Subject:** Objection 'PPM proposed Plant expansion. EIA '

Good day

I am writing as a directly affected farmer in The farm Tuschenkomst 135 Jp as you already know from our previous engagement.

At first I would like to know if we will be consulted as the directly affected parties with regards to the proposed Plant expansion, if not why not and why has it not happened yet ?

The small additional position that the mine will take again from us is more worth to us as most of the fertile land has already been taken so we need to know as to how much more land will be taken and this must be demonstrated on site (Tuschenkomst 135 Jp) by planning engineers.

2. We are still awaiting compensation for land use by the mine as we were the first leasers of the land with the government and still nothing happened and this is still government land not bbkta's land. When will this happen?

We would also like to ask that they (bbkta) stay out of it as they never ever came back to us with regards to this matter after a meeting in their offices.

The water contamination issue when will the specialist come for consultation? This matter puts us more at risk for our financial growth as we have invested in a more valuable productive cattle breed.

Since 2009 during winter seasons we have been feeding our cattle from our own pocket with no compensation from the mine but we have been having the right to first use of land as per the lease agreement with the government with the first option to buy, when will the money be paid to us as most of the fertile land was taken up by the mining and processing operations in Tuschenkomst 135 Jp ? Nb: A borehole pump and a 5kva generator is nowhere near compensation, if that is what the mine thinks is compensation consider the cost of feeding a number of cattle throughout the winter season.

We have had a number of submissions of proof of the above mentioned issue, 'right to first use of land' to the mine and the mine representatives have already been to our operations many a times but NOTHING HAPPENED, we therefore see it fit for us to write a letter to the Minister of The DMR Through our legal representatives in order to ask him to 'reject' the application for extension until the matter is resolved also to involve the competition board and the Chamber of Mines in this matter as the mine tend to take the cries of the poor for granted, considering the feedback given to the affected communities after consultation. NB: One of your representative (slr) also promised to come back to us with regards to this matter 2 years ago which never happened and I hope this will interest the minister as the credibility of your company will be put to question.

Hope to have a proper response from you soon.

Regards

Cassius Phiri  
082 733 9100

# **Stakeholder Comment for and on Behalf of Black Rhino Homeowners Association, Black Rhino Reserve**

**From: Dr Shan Holmes**

**(PhD Sci; PGDip Law)**

1 July 2015

**Reference numbers:**

**SLR: 710.16002.00026 DMR: NW30/5/1/2/2/320MR ; DEDECT: NWP/EIA/87/2013**

**ENVIRONMENTAL ASSESSMENT PROCESS FOR THE PROPOSED PLANT EXPANSION PROJECT FOR THE PILANESBERG PLATINUM MINE (PTY) LTD DRAFT SCOPING REPORT FOR REVIEW**

**Preliminary Issues and Concerns: Scoping Report.**

Whilst our comments are directed at the above Scoping Report they must be read in the context of the entirety of the PPM existing mining operations and proposed expansions of its mining and plant activities. Further, our comments must also be read in the context of the assessment of all cumulative impacts over the life of mine. Impacts cannot be assessed *in vacuo*, on a fragmented project for project, plant for plant and mine for mine basis. Black Rhino and a number of other stakeholders have had to repeatedly request for cumulative assessments, not none have been forthcoming.

The Scoping Report must contextualise and take account of the following before proceeding with further studies, actual on site assessments, measurements and investigations that are intended for the compilation of the Environmental Impact Assessment (EIA), the Environmental Impact Reports (EIR), the Specialists Reports and the Environmental Management Plan (EMP) for the proposed expansion.

The Scoping Report (the backbone of the intended plans and methodology leading up to and critically informing the EIA, EIR and EMP's) makes no mention of the proposed consideration of the following critically important factors that are integral to any planning in the Pilanesberg area.

**1. The urgent need and requirement for an Environmental Management Framework (EMF) for the Greater Pilanesburg Region with respect to:**

- a. Mining and the expansion of mining, especially where mining expansion (as is the case under discussion) is in conflict with other land and water uses. Some, but not all

examples of such conflicts of use include (i) environmental conservation and protection for gross environmental functioning and servicing for eco-tourism, (ii) agriculture, (iii) protection of the ecological water reserve and (iv) protection of all hydrological systems required to maintain natural fresh water ecosystems.

- b. Water reserves, water availability and water requirements. There is an urgent need for the provisioning of potable water to villages and existing developments. This is an ongoing need that is a basic human need provided for in the Constitution of South Africa; no proper and sustainable economic development can take place without it.
- c. The impacts of mining on water availability moving forward for mining and all other human, animal, environmental, and other land uses. Importantly the impact of mining on the ecological water reserve needs assessment, determination and indeed re-evaluation.
- d. The impacts of Climate Change on mining and all of its natural resource requirements and impacts. For example, the conurbations of climate change and climate change drivers (eg. Increased temperatures and lower precipitation) coupled with the cumulative impacts by mining on water availability, the increased mining water requirement associated with the extension and expansion of life of mine (LOM), water pollution, water pollution remediation, water treatment, the impact of tailings on water quality and the LOM management and mitigation strategies required therefore.
- e. The impacts of mining on biodiversity and all functions secured and provisioned by biodiversity. A full and comprehensive consideration of the Biodiversity Act is required.
- f. The impacts of mining on the role and function of wetlands, ground water capacity, ground water reserves, surface flows and indeed the entirety of the hydrological cycle. A full and comprehensive consideration of all the necessary provisions provided for in the National Water Act to protect water resources is imperative for proper consideration of whether mine expansion is indeed physically feasible.

- g. The impact of mining on all ecological services and functions.
- h. Importantly absolutely no mention is given in the reports to the greatest environmental and economic driver of our time, namely Climate Change and all the proposed impacts of climate change on the very critical natural resource factors and human development given above.
- i. The cumulative impacts direct and indirect of the mining industry and its proposed expansion on the eco-tourism and nature parks industry.
- j. The impacts of degraded environments on the social and economic stability of the region.
- k. The Specialist Reports must be read in context with the weightings given for high, medium and low impact when considering mitigation measures and the Specialist Reports also need to be done in context, with respect to the entirety of what is being proposed and not on a piece meal basis.

**2. Requirement for a detailed economic sustainability plan and financial expenditure plan.**

- a. Your 28 page report and attached appendices as a road map for what is intended and the impacts thereof gives no coverage of intended economic sustainability. No mention is made of financial feasibility and sustainability and no indication is given of the proposed direct money spend and indeed the societal costs of all the externalised costs. The impact of externalised costs are also not mentioned or indeed how they can be accounted for and mitigated against over a period of 5 decades, is not given.
- b. No indication of an assessment and indeed re-assessment of the amount of monies that need to be set aside for mine closure and rehabilitation are given, although you state that the life of mine will be extended to fifty (50) years. Please provide full and detailed assessment.

- c. Assurances that such monies have been set aside, that such monies are adequate for final closure of mine and that such monies are adequate for the ongoing mitigation measures to manage all bio-physical, economic, social and natural resource requirements and maintenance of the natural resource base quality to encompass the said expansion ambitions, need to be put before the competent authorities, all stakeholders and the public participation process.
- d. A thorough natural resource base cost accounting needs to be done to assess whether indeed the expansion of activities is financially feasible and viable and that all said mitigation and monitoring measures will counter irreversible changes to air, land and water availability and quality, and not sterilise other land uses in perpetuity.
- e. The exact nature of the amount of monies that will be set aside for “community projects” needs to be comprehensively elucidated with respect to nature of projects, time periods and economic sustainability.
- f. The scoping report is written in a manner that assumes that there will be positive economic outcomes for the area and communities and that it is both wanted and required. It assumes that all social, economic and political impacts can be measured and assessed and indeed where there are negative impacts that they can be mitigated for. Yes indeed, it assumes that such impacts can be monitored, measured, mitigated for and indeed managed. We contest such assumptions as there is much evidence in the proposed area of activity and elsewhere in the platinum and chrome mining belts that this is not necessarily the case and indeed is contrary to such assumptions. As such, it is incumbent on the impact assessment process to describe in detail what its methodological assumptions are based on. Further, any policy driven research and assessments must provide for evidence based research that can be substantiated.

**3. The entirety of the process of assessment requires accredited, professional and independent review.**

- a. The notion that SLR are indeed independent is a fallacy. SLR's work is paid for by the mining company. Its opinions, assessments and thoroughness of work are arguably compromised and influenced by its interests in servicing its clients' requirements and interests. As such this is a first step to a conflict of interest. It is for this reason that stakeholders and IAPs have repeatedly requested independent assessment and indeed at the very least independent and critical review. Yet both PPM and SLR continue in the face of these requests without any proper and independent review process. PLEASE ensure independent REVIEW from the onset of the process.
- 4. These issues, concerns and comments are written to be read in context. Please do not extract and use out of context, in any tabulated form whatsoever. Publish in the reports as is.**
- 5. These are only our preliminary comments. We reserve the rights of continued and future inputs.**