



Engineers • Project Managers • Environmental Managers

Project Reference: 710.01002.00011

16 May 2012

**AFPLATS (PTY) LTD**

**NOTICE OF INTENT FOR THE PROPOSED LEEUWKOP ENVIRONMENTAL IMPACT ASSESSMENT AND ENVIRONMENTAL MANAGEMENT PROGRAMME AMENDMENT PROCESS**

Dear Sir/Madam

Afplats (Pty) Ltd (Afplats), owns and operates the developing Leeuwkop Platinum Mine close to the town of Brits within the Madibeng and Rustenburg Local Municipalities and the Bojanala Platinum District Municipality in the North West province. The Leeuwkop Platinum Mine is located on the farm Leeuwkop 402JW. The mine and associated activities was approved in terms of the Mineral and Petroleum Resources Development Act, 28 of 2002 (MPRDA) (Reference number NW 30/5/1/2/3/2/1/256EM) and National Environmental Management Act, 107 of 1998 (NEMA) (Reference number NWP/EIA/59/2007) in 2008. A Water Use Licence Application (WULA) was submitted in 2006 and is still with the Department of Water Affairs for consideration. The mine is still in the construction phase although some infrastructure has been developed to date.

This letter serves to notify you of Afplats intention to amend the approved Leeuwkop Environmental Management Programme (EMP) and the WULA to include the following:

- A deeper shaft and a change in mining method that will result in the need for a waste rock dump to be established on surface
- The use of tailings backfill material as support
- The expansion of the sewage treatment plant
- The expansion of water management facilities
- The potential development of new water holding facilities
- A change in the planned routing of the mine access road
- The inclusion of the farms Wolwekraal 408JQ and Kareepoort 407JQ into the mining rights area.

Handwritten notes and stamps on the right margin, including a date stamp '16 MAY 2012' and various illegible signatures and initials.

ILISO Consulting (PTY) LTD WEB: www.iliso.com REG. NO. 2000 015708 07 VAT NO. 4760 191 033

**DIRECTORS AND EXECUTIVES:**

FF Fongqa\* (Executive Chairman), L Dohomo\* (Executive Deputy Chairman), C Koopman\* (Chief Executive), T Baker\*, ERW Boonzaai\*, BA Durbach\*, V Dierman\*, O Esterhuizen\*, X Govender\*, RW Groene\*, H Harling\*, MH Makhele-Peterson\*\*, M Ndlovu\*, MS Poterze\*, LC Roman\*, AM Skode\*, NWP Spies-Gouda\*\*  
\* Executive Director + Technical Director \*\* Executive



Member Firm: Consulting Engineers South Africa, South African Black Technical and Allied Careers Organisation (SABTACO)

**PEOPLE • INTEGRITY • EXCELLENCE**



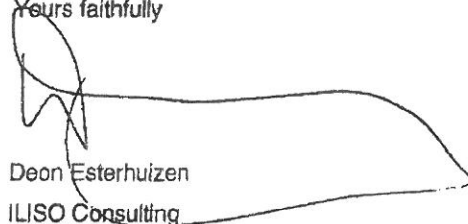
SLR Consulting (Africa) (Pty) Ltd (SLR Africa), an independent firm of environmental consultants, has been appointed by Afpalts to manage the environmental process while ILISO Consulting (Pty) Ltd (ILISO) has been appointed to manage the stakeholder engagement process.

As landowners on the farms Leeuwkop 402JQ, Wolwekraal 408JQ and Kareepoort 407JQ, you have been identified as interested and affected parties (IAPs). You will therefore receive information on the proposed project, invitations to information sharing meetings and you will be afforded an opportunity to raise issues and concerns regarding the proposed project. You will be informed and involved in this way throughout the entire environmental authorisation process.

For any further information, please do not hesitate to contact:

Carol Hooghiemstra from ILISO on  
(012) 685 0924 (Tel) or  
(012) 665 1886 (Fax) or  
[carol@iliso.com](mailto:carol@iliso.com)

Yours faithfully



Deon Esterhuizen  
ILISO Consulting

**Natasha Daly**

---

**From:** Carol <carol@iliso.com>  
**Sent:** 28 May 2012 08:12 AM  
**To:** kgosi@bakwenabamogopa.org; wphaladi@gmail.com;  
Obakeng.lebethe@yahoo.com; JKNkosi@dla.gov.za; James.kolyn@transnet.net  
**Cc:** Linda Munro; Natasha Daly  
**Subject:** Notice of intent for the proposed Leeuwkop Environmental Impact Assessment and Environmental Management Programme Amendment Process  
**Attachments:** 2012\_05\_14\_Landowner\_L\_Notice of intent Rev 1 (final)..pdf

Dear Landowner,

Please find attach a letter for your information regarding the amendment of the Leeuwkop Platinum Mine's Environmental Impact Assessment and the Environmental Management Programme.

Should you have any further queries please do not hesitate to contact me at the contact details below.

Kind regards,

Carol Hooghiemstra

Environmental Scientist

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ILISO Consulting (Pty) Ltd - Reg. No.: 2000/015708/07 | VAT No.: 4760191033

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carol@iliso.com | www.iliso.com | ISO 9001:2008 CERTIFIED



ILISO House, 203 Witch Hazel Avenue, Highveld Technopark, Centurion, 0157 | PO Box 68735, Highveld Park, 0169

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Please consider the environment before printing this email!

## AFPLATS (PTY) LTD

### ENVIRONMENTAL ASSESSMENT PROCESS FOR THE PROPOSED LEEUWKOP EMP AMENDMENT

Notice is given in terms of the Mineral and Petroleum Resources Development Act, 28 of 2002, the National Water Act (NWA) 36 of 1998, the National Environmental Management Act (NEMA), 107 of 1998 and the National Environmental Management: Waste Act (NEMWA) 59 of 2008 of intent to carry out the activities described below. In this regard, applications for environmental authorisations must be submitted to the relevant departments (Department of Economic Development, Environment, Conservation and Tourism (DEDECT), North West Department of Mineral Resources (DMR) and the National Department of Water and Environment Affairs (DWEA). Given the nature of the project, both scoping and environmental impact assessment procedures will be followed.

#### Reference numbers and contact people

DMR reference number: NW 30/5/1/2/3/2/1/256EM (Phumudzo Nethwadzi)

DEDECT reference number: NWP/EIA/25/2012 (Steven Mukhola)

DEA reference number: 12/9/11/L935/7 (Mr Lucas Mahlangu)

#### Name of proponent

Afplats (Pty) Ltd (Afplats)

#### Description of proposed activity

The original Leeuwkop environmental management impact (EIA) assessment and environmental management programme (EMP) report was approved by DEDECT (previously known as the Department of Agriculture, Conservation and Environment) in October 2006 and DMR (previously known as the Department of Minerals and Energy) in April 2008. Afplats is proposing to amend its existing approved EIA/EMP report to include a change in mining method, a deeper shaft, the use of tailings backfill material as support, the expansion of the sewage treatment plant, the expansion of water management facilities, the development of new water holding facilities, a change in the planned routing of the access road and the inclusion of the farms Wolwekraal 408JQ and Kareepoort 407JQ into the mining rights area. At this stage it is not anticipated that any surface infrastructure will be established on the farms Wolwekraal 408JQ and Kareepoort 407JQ. The proposed Leeuwkop EMP amendment project requires a number of "identified" activities in terms of various environmental regulations. These may include the following activities:

- Listed Activities in terms of NEMA Regulation 544 Listing Notice 1: 12, 41 and 47
- Listed Activities in terms of NEMA Regulation 545 Listing Notice 2: 5, 11 and 15
- Waste Activities in terms of NEMWA Schedule: Category B (7) and (11)
- Water Uses in terms of Section 21 of the NWA: 21 (a) (c) (g) (i) and (j)

#### Location of the proposed project

The proposed Leeuwkop EMP amendment project area lies approximately 19 km East of Brits and 14 km south west of Mooinooi on the farms Leeuwkop 402JQ, Wolwekraal 408JQ and Kareepoort 407JQ in the Madibeng and Rustenburg local municipality and the Bojanala District Municipality of the North West Province.

#### Name of consultant to contact

Iliso Consulting (Pty) Ltd

Contact person: Carol Hooghiemstra

Postal Address: PO Box 68735, Highveld Park, 0169

Tel: (012) 685 0924 and/or Fax: (012) 665 1886

[carol@iliso.com](mailto:carol@iliso.com)

#### Public meetings

Two public scoping meetings have been arranged as part of the public participation process. The details of the scoping meetings are provided in the table below:

Table 1: Details of public scoping meetings

Relevant Community	Date	Venue	Time
Segwaelane Community	25 July 2012	Gotsube Middle School	16h00
Makolokwe Community	26 July 2012	Tribal Hall	16h00

#### Registration of IAPs and submission of comments

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 information-sharing scoping meetings (described above) and/or be sent in writing to the above consultant by 31 July 2012.

#### Additional information

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

## AFPLATS (PTY) LTD

### TIRO YA GO SEKASEKA TIKOLOGO YA TLHABOLOLO E E TSHIKINNGWANG YA LENANEO LA TLHABOLOLO YA TIKOLOGO

#### LA LEEUWKOP

Go dirwa kitsiso go ya ka Molao wa tlhabololo ya metswedi ya diminerala le peteroliamo wa bo 28 wa 2002, Molao wa bosetshaba wa metsi (NWA) wa bo 36 wa 1998, Molao wa bosetshaba wa tsamaiso ya tikologo (NEMA) wa bo 107 wa 1998 le Molao wa bosetshaba wa taolo ya tikologo: Molao wa masalela (NEMWA) wa bo 59 wa 2008 ya maikemisetso a go dira ditiro tse di tlhalosiwang fa tlase. Mo ntlheng e, dikopo tsa tetla ya tikologo di tshwanetse tsa dirwa kwa mafapheng a a maleba (Lefapha la tlhabololo ya ikonomi, Tikologo, Tshomarelo le Bojanala (DEDECT), Lefapha la metswedi ya diminerala la Bokone Bophirima (DMR) le Lefapha la bosetshaba la merero ya metsi le tikologo (DWEA). Ka ntlha ya maemo a porojeke, ditsamaiso ka bobedi tsa tlhaloso le tsa tshekatsheko ya kamego ya tikologo di tshwanetse tsa latelwa.

#### Dinomore tsa kaelo le batho ba go golaganwang le bona

Nomoro ya kaelo ya DMR : NW 30/5/1/2/3/2/1/256EM (Phumudzo Nethwadzi)

Nomoro ya kaelo ya DEDECT: NWP/EIA/25/2012 (Steven Mukhola)

Nomoro ya kaelo ya DEA: 12/9/11/L935/7 (Mr Lucas Mahlangu)

#### Leina la motlhaqisi

Afplats (Pty) Ltd (Afplats)

#### Tlhaloso ya tiro e e tshikinnwang

Pegelo ya ntlha ya tshekatsheko ya tsamaiso ya kamego ya tikologo (EIA) le lenaneo la tsamaiso ya tikologo (EMP) e ne ya amogelwa ke DEDECT (e pele e neng e itsege ka Lefapha la temothuo, tshomarelo le tikologo) ka Diphlane 2006 le Lefapha la merero ya diminerala (le pele le neng le itsege ka Lefapha la diminerala le eneji) ka Moranang 2008. Afplats e dira tshikinyo ya go tlhabolola pegelo ya yona e e leng teng e e amogetsweng ya Tshekatsheko ya kamego ya tikologo le Lenaneo la tsamaiso ya tikologo, go akaretsa phetolo mo mokgweng wa go epa, shafote e e boteng, go dirisiwa ga materiale wa masalela mo tshetsong, katoloso ya lefelo la go siamisa digweregwere, go atolosiwa ga ditshiamelo tsa taolo ya metsi, tlhabololo ya ditshiamelo tsa go tshola metsi, phetolo ya tsela e e rulagantsweng e e tsenang mo lefelong, le go akaretsa ga dipolasa tsa Wolwekraal 408JQ le Kareepoort 407JQ mo kgaolong ya ditshwanelo tsa go epa. Mo nakong e, ga go bonale fa go tla tlhomiwa popegotheo ya fa godimo mo dipolaseng tsa Wolwekraal 408JQ le Kareepoort 407JQ. Porojeke e e tshikinnwang e e tlhabolotsweng ya Lenaneo la tsamaiso ya tikologo la Leeuwkop, e tlhoka ditiro di le mmalwa tse di "supilweng" go ya ka melawana e e farologaneng ya tikologo. Tsona di ka akaretsa ditiro tse di latelang.

- Ditiro tse di kwadilweng go ya ka molawana waf NEMA wa 544, kitsiso 1: 12, 41 le 47
- Ditiro tse di kwadilweng go ya ka molawana wa NEMA wa 545, kitsiso 2: 5, 11 le 15
- Ditiro tsa masalela go ya ka thulaganyo ya NEMWA: Karolo B (7) le (11)
- Tiriso ya metsi go ya ka Karolo ya 21 ya Molao wa bosetshaba wa metsi (NWA): 21 (a) (c) (g) (i) le (j)

#### Fa porojeke e e tshikinnwang e leng teng

Kgaolo ya porojeke e e tshikinnwang ya tlhabololo ya lenaneo la tsamaiso ya tikologo ya Leeuwkop e bokana ka 19km kwa Botlhaba jwa Brits le 14km mo borwa Bophirima jwa Mooinooi mo dipolaseng tsa Leeuwkop 402JQ, Wolwekraal 408JQ le Kareepoort 407JQ mo mebasepaleng ya legae ya Madibeng le Rustenburg le Masepala wa kgaolo ya Bojanala mo Profenseng ya Bokone Bophirima.

#### Leina la mogakolodi yo go golaganwang le ene

Iliso Consulting (Pty) Ltd

Motho yo go golaganwang le ena: Carol Hooghiemstra

Aterese ya Poso: PO Box 68735, Highveld Park, 0169

Tel: (012) 685 0924 le/kgotsa Fax: (012) 665 1886

[carol@iliso.com](mailto:carol@iliso.com)

#### Dikopano tsa setshaba

Go rulagantswe dikopano di le pedi tsa go tlhalosetsa setshaba jaaka karolo ya go nna le seabe ga setshaba. Dintlha tsa dikopano tsa tlhaloso di tlhagisiwa mo lenaneong le le fa tlase:

#### Lenaneo la 1: Dintlha tsa dikopano tsa go tlhalosetsa setshaba

Setshaba se se maleba	Letlha	Lefelo	Nako
Setshaba sa Segwaelane	25 Phukwi/ July 2012	Gotsube Middle School	16h00
Setshaba sa Makolokwe	26 Phukwi/ July 2012	Holo ya morafe	16h00

#### Kwadiso ya Baamegi le Bakqatlhegi le tlhagiso ya ditshwaelo

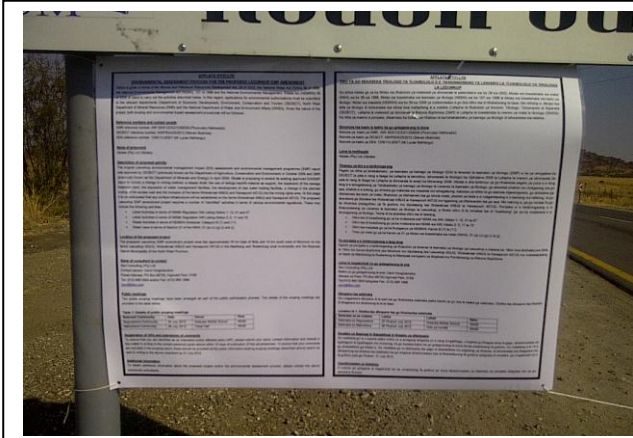
Go netefatsa go re o supiswa jaaka motho yo a amegang le/kgotsa yo a nang le kqatlhego, o kopiwa go tlhagisa leina la gago, tshedimotsetso ya kgokagano le kqatlhegelo mo morerong, ka go kwalela batho ba go golaganwang le bona ba ba umakilweng fa godimo, mo malatsing a le 14 a go phasalatswa ga kitsiso e. Go netefatsa go re ditshwaelo tsa gago di akareditswe mo pegelong ya tlhaloso, di tshwanetse tsa tlhagisiwa mo dikopanong tsa tlhaloso tsa setshaba tsa go arogana tshedimotsetso (tse di tlhalositsweng fa godimo) le/kgotsa di romelwe go mogakolodi yo o fa godimo pele ga Phukwi/ 31 July 2012.

#### Tshedimotsetso ya tlaleletso

O kopiwa go golagana le bagakolodi ba ba umakilweng fa godimo go bona tshedimotsetso ya tlaleletso ya porojeke le/kgotsa tiro ya go sekaseka tikologo.

# LEEUEWKOP EMP AMENDMENT

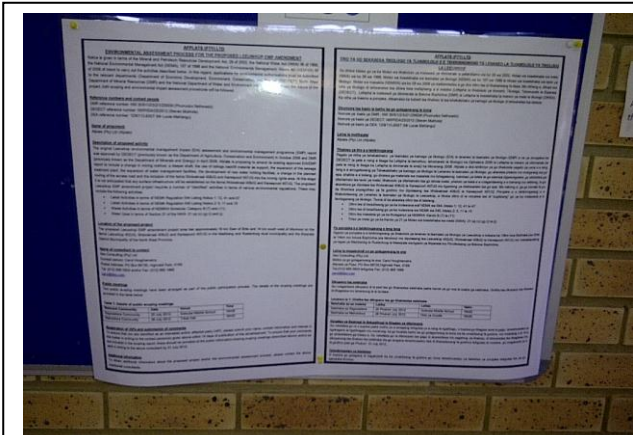
## SITE NOTICE PHOTOGRAPHS



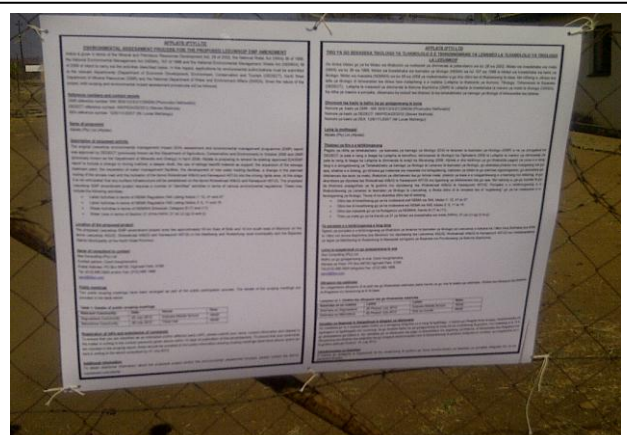
Main entrance into the Afplats mine from the R556



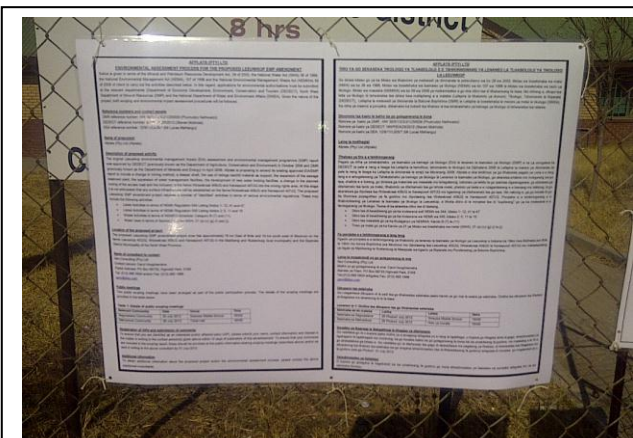
Parking area at the Afplats mine



Brits Library



Makolokwe Tribal Hall



Segwealane Clinic

# Sowetan BUSINESS

**BRIEFCASE**  
YOUR ONE MINUTE  
BUSINESS UPDATE

**THE Kloof Driefontein** Complex mine's West section was reopened yesterday after being closed because of a lethal fire, said Gold Fields Limited.

## Mine section reopens after fire

Some sections of the complex were closed after a fire broke out in the Ya-Rona shaft in Merafong, near Car-

letonville, west of Johannesburg, on June 30. Five miners were killed and 14 were injured. - Sapa

SEATER:  
ling its  
n Ses'fikile  
in SA.



# LET SA BUILD ITS OWN TAXIS

taxi industry wants its minibuses to be manufactured locally, as opposed to only being assembled in country.

Two national organisations representing the industry – the South African National Taxi Council (Santaco) and National Taxi Alliance (NTA) – yesterday called for the full manufacturing process to take place in South Africa, which they hoped would reduce the price of the vehicles.

Toyota South Africa announced on Friday it had begun to assemble the Ses'fikile vehicles at its Durban plant. The company said it would produce about 15 000 Ses'fikile minibuses to the southern African market annually in its second phase. About 10 000 units were targeted for the first phase.

Santaco general secretary Philip Taaibosch and his NTA counterpart Alpheus Mlalazi said the assembling of vehicles locally was a good move and was proof the country had the skills to manufacture the vehicles.

Mlalazi said: "You must remember the Hi-Ace used to be produced here. The manufacturing of Quantum and Ses'fikile locally will reduce the price because it would do away with the shipping costs."

Taaibosch said the introduction of a 16-seater was an advantage for the industry compared to the 15-seaters produced in Japan.

The new 16-seater kombi will cost about R285 000.

"Reducing the capacity to 15 passengers hit us hard. We have been calling for the additional seat to

## Toyota urged to make minibuses here

be included," Taaibosch said.

The organisations and the National Union of Metalworkers of South Africa (Numsa), which has members in the vehicle-manufacturing sector, described the move as a positive step since President Jacob Zuma called for job creation.

Numsa's general secretary Irvin Jim said the trade union expected other government projects, which include the roll-out of bus rapid trans-

it systems, to learn a lesson from the taxi industry's bold move.

He said only countries that prioritised manufacturing had survived the global economic crisis.

Toyota spokesman Leo Kok said: "We have started with Ses'fikile because it is the most selling vehicle. We will see how it goes, but we share the same wish with the taxi industry and unions to manufacture locally." - xabav@sowetan.co.za

## Growth in Africa not reflected in stock values

ZURICH – The Arab Spring and global risk aversion has left shares in African companies outside South Africa hugely undervalued, representing a buying opportunity as the continent grows quickly, a fund manager at Johannesburg-based African Alliance said.

"The North Africa situation has had a negative effect ... but Africa is not just Egypt and Morocco," said Nicholas Piquito, head of Pan-African funds at African Alliance Asset Management.

"There is so much happening on the ground that is not being seen by international investors," Piquito said. "We believe the upside is very significant. The market continues to be under-appreciated globally."

Piquito said African stocks had fallen 10% since a trough in global share markets in March 2009, while global emerging markets – including South Africa – had risen about 100%.

"This is astounding, especially given that the operational efficiency of these companies have improved," he said. "Business has continued to grow, but prices have gone nowhere."

Piquito said Africa should be able to achieve annual GDP growth of 5% for the next five years, with resource-rich countries such as Nigeria, Angola and Ghana being on track to expand much faster.

"The other darlings of the emerging market universe are coming off, while we think the African continent can continue to grow quite strongly. Africa doesn't need to do anything spectacular to continue growing at 5%. It just needs to iron inefficiencies out of the system."

Piquito's Africa Pioneer Fund, with \$22-million under management, is overweight on Nigeria, where its investments make up 28% of the fund.

After a crisis in 2010 and 2011, Piquito said Nigeria's banks had gone a long way to cleaning up non-performing assets. "These banks are sitting with balance sheets that are the envy of the developed world." - Reuters

AFPLATS (PTY) LTD  
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Reference numbers and contact people  
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DEDECT reference number: NWP/EIA/25/2012 (Steven Mkhokha)  
DEA reference number: 12/9/11/1935/7 (Mr Lucas Mahlangu)

Name of proponent: Afplats (Pty) Ltd (Afplats)

Description of proposed activity: The original Leeuwkop environmental management impact (EIA) assessment and environmental management programme (EMP) report was approved by DEDECT (previously known as the Department of Agriculture, Conservation and Environment) in October 2006 and DMR (previously known as the Department of Minerals and Energy) in April 2008. Afplats is proposing to amend its existing approved EIA/EMP report to include a change in mining method, a deeper shaft, the use of tailings backfill material as support, the expansion of the sewage treatment plant, the expansion of water management facilities, the development of new water holding facilities, a change in the planned routing of the access road and the inclusion of the farms Wolwekraal 408JQ and Kareepoort 407JQ into the mining rights area. At this stage it is not anticipated that any surface infrastructure will be established on the farms Wolwekraal 408JQ and Kareepoort 407JQ. The proposed Leeuwkop EMP amendment project requires a number of "identified" activities in terms of various environmental regulations. These may include the following activities:

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Location of the proposed project: The proposed Leeuwkop EMP amendment project area lies approximately 19 km East of Brits and 14 km south west of Mooinooi on the farms Leeuwkop 402JQ, Wolwekraal 408JQ and Kareepoort 407JQ in the Madibeng and Rustenburg local municipality and the Bojanala District Municipality of the North West Province.

Name of consultant to contact: Iiso Consulting (Pty) Ltd  
Contact person: Carol Hooghiemstra  
Postal Address: PO Box 68735, Highveld Park, 0169  
Tel: (012) 685 0924 and/or Fax: (012) 665 1886  
carol@iiso.com



Date of publication of this notice: 10 July 2012

Public meetings: Two public scoping meetings have been arranged as part of the public participation process. The details of the scoping meetings are provided in the table below:

Relevant Community	Date	Venue	Time
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Registration of IAPs and submission of comments: 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 information-sharing scoping meetings (described above) and/or be sent in writing to the above consultant by 31 July 2012.

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

P.O. Box 5100, Mbabane, Swaziland  
Tel : (+268)4163155/6 Fax : (+ 268)4163158  
E-mail: mananga@africaonline.co.sz; Website: www.mananga.sz

## Masters in Leadership and Change Management 2013 Intake

Leeds Metropolitan University (United Kingdom) in conjunction with Mananga Centre for Regional Integration and Management Development (Swaziland) is offering a one year Masters Programme in Leadership and Change Management. This is in response to a call by industry, commerce, government, civic society and the public to have this programme running in Swaziland and the neighbouring countries to address the issues faced by the practising executives and leaders in confronting the challenges of the ever-changing complexities in the global and business operating environment of today.

The programme is offered through a combination of Lecturers from the Leeds Metropolitan University fly-in faculty and Consultants at Mananga Centre on a block release basis. The next cohort is starting in January 2013.

**Target group:**  
Company Executives, Directors, Permanent Secretaries, Cabinet Ministers, Parliamentarians, Municipal Executives, Programme Managers, Senior Officers/Managers and aspiring executives and leaders from industry, commerce, central and local government, civil society and NGO's.

Applications are being invited from persons interested in undertaking this programme. A question and answer session for prospective candidates will be held at Mananga Centre, Ezulwini Campus, Swaziland on 14<sup>th</sup> July, 2012 starting at 1400hrs.

**For further details contact:**  
The Masters Programme Coordinator on  
Phone 2416 3155/6 or +268 7602 0994  
Fax 2416 3158, Email: mananga@africaonline.co.sz, marketing@mananga.sz, leedsmasters@mananga.sz

# Fokus op Mynbou

## Aquarius shifts to owner operator at Kroondal

**B**RITS - Aquarius Platinum has taken the decision to convert from contract mining to an owner-operator model at its only remaining operational mine in a bid to lower costs.

In a statement, the struggling terminated its contract mining agreement with Murray & Roberts Cementation - a decision prompted by several factors, including the recent downsizing of its business, changing industrial relations and continuing margin pressure.

The company previously placed its Everest and Marikana mines on care and maintenance, following the 2011 mothballing of its Blue Ridge mine. Aquarius has also suspended all non-essential capital

expenditure.

Aquarius would incur a one-off cost of R190-million to purchase mining equipment for its Kroondal operation. However, the business-model change was expected to result in significant operating cost savings, and the payback period for the one-off cost was expected to be less than 12 months. Murray & Roberts Cementation said that it would provide Aquarius with the necessary support to transition to the owner-operator model. This support could extend until December this year.

"Our partnership with Murray & Roberts Cementation has been a long one, but we are agreed that the contract mining model has become difficult to make

work in the context of the South African mining environment," said Aquarius CEO Stuart Murray.

It was expected that the change to owner-operator model would start in September this year. (miningweekly.com)

### PRODUCTION CUTS

Meanwhile, Murray called for the platinum miners to cut oversupply to the market.

"We seem to be one of the few companies in the platinum industry that is willing, pro-actively, to take the required tough decisions to close the mines that need to be placed on care and maintenance," he said. "I would hope that the other industry players follow suit and cut the unneeded production that is depressing the industry."



**Best Control Specialists**

**012-252 0255**  
**082 553 2788**  
**HEIN**

**UITZICHT SANDGROEWE**

Verskaffers van alle **SAND & KLIP**

- Koop direk van die verskaffer

By die groewe self gelaai

**Pleister sand**  
(Lab getoets en goedgekeur)

**Oranje-bousand**  
**Rooi bousand**  
**Opvulgrond G6**

(Lab getoets en goedgekeur)

**Riviersand 19mm klip-Pryse sluit BTW in.**

Aflewering: • Bousand • Pleistersand (geel of rooi) • Filling G6 • Klip 13mm en 19mm • Spes Mix • TOP SOIL

Willie Moeke Tel: 082 896 2041/082 660 0369

**VEILING!! VEILING!! VEILING!! VEILING!! VEILING!!**

**EKSKLUSIEWE MEUBEL VEILING!!!!**  
**OP SAT 21 Julie OM 10h30 In HARTBEESPOORT TE SEDIBA PLAZA WINKELSENTRUM. (Langs Spar.)**

Behoorlik gelas deur Likwidateurs betrokke verkoop ons **Pragtige Nuwe en Eksklusiewe Meubels:**

Nuwe Status Kantoor Meubels, Nuwe Pillowtop Beddens, Nuwe Slaapkamerstelle, Nuwe Hangkaste, Nuwe Sitkamerstelle, Nuwe Egte Leer Sitkamerstelle, Nuwe Tafels en Stoele, Nuwe 3-Stuk Muureenhede, Nuwe T.V. Staanders, Nuwe Koffietafels, Nuwe Italiaanse Kombuiske, Nuwe boekrakke, Nuwe Kombuisetafel en Stool Stelle, Nuwe LG/ Samsung/ Sony/ JVC en Telefunken Plasma/LCD/LED/3D T.V's, Nuwe LG HiFi Stelle, Nuwe Mikrogoef Oonde met en sonder "Grill", Nuwe Swaarboom Potte, Nuwe Kettels, Broodroosters, Stoom Strykysters, Top TV Dekodeerders, DSTV Dekodeerders met Installasies, LED Afstandbeheerde Ligte, Nuwe Stofsuiers, Matte, Tapyte ens.

Lys onderhewing aan veranderings sonder verdere kennisgewing.

**TERME: Streng Kontant of Bank Oorplasing**  
**REG DEP: R1000,00 (Terugbetaalbaar)**

**MITCHELL AFSLAERS**

Kontak: 012-252 3435 of 079 956 3429 of 082 335 9876

**VEILING!! VEILING!! VEILING!! VEILING!! VEILING!!**

**homestead**  
Van Veldenstr.  
Brits

**MAANDAE AANDE: 700gr. Ribs ... R60**  
**DINSDAE AANDE: Half Hoender en Chips + Glas Wyn ... R60**  
**WOENSDAE AANDE: 500gr. T-Bone ... R60**  
**VRYDAE AANDE: Eishbein ... R60**  
**SONDAE: Buffet Etc. ... R60**

**PUB LUNCHES**  
**300gr. T-Bone, Egg & Chips R36**  
**Pub Lunches vanaf 11:00-15:00**

**AFPLATS (PTY) LTD**

**ENVIRONMENTAL ASSESSMENT PROCESS FOR THE PROPOSED LEEUWKOP EMP AMENDMENT**

Notice is given in terms of the Mineral and Petroleum Resources Development Act, 28 of 2002, the National Water Act (NWA) 36 of 1998, the National Environmental Management Act (NEMA), 107 of 1998 and the National Environmental Management: Waste Act (NEMWA) 59 of 2008 of intent to carry out the activities described below. In this regard, applications for environmental authorisations must be submitted to the relevant departments (Department of Economic Development, Environment, Conservation and Tourism (DEDECT), North West Department of Mineral Resources (DMR) and the National Department of Water and Environmental Affairs (DWEA). Given the nature of the project, both scoping and environmental impact assessment procedures will be followed.

Reference numbers and contact people  
DMR reference number: NW 30/5/1/2/3/2/1/256EM (Phumadzo Mthwazi)  
DEDECT reference number: HWP/EIA/25/2012 (Steven Mkhabela)  
DEA reference number: 12/9/11/L935/7 (Mr Lucas Mahlangu)

Name of proponent: Afplats (Pty) Ltd (Afplats)

Description of proposed activity: The original Leeuwkop environmental management impact (EIA) assessment and environmental management programme (EMP) report was approved by DEDECT (previously known as the Department of Agriculture, Conservation and Environment) in October 2006 and DMR (previously known as the Department of Minerals and Energy) in April 2008. Afplats is proposing to amend its existing approved EIA/EMP report to include a change in mining method, a deeper shaft, the use of tailings backfill material as support, the expansion of the sewage treatment plant, the expansion of water management facilities, the development of new water holding facilities, a change in the planned routing of the access road and the inclusion of the farms Wolwekraal 408JQ and Kareepoort 407JQ into the mining rights area. At this stage it is not anticipated that any surface infrastructure will be established on the farms Wolwekraal 408JQ and Kareepoort 407JQ. The proposed Leeuwkop EMP amendment project requires a number of "identified" activities in terms of various environmental regulations. These may include the following activities:

- Listed Activities in terms of NEMA Regulation 544 Listing Notice 1: 12, 41 and 47
- Listed Activities in terms of NEMA Regulation 545 Listing Notice 2: 5, 11 and 15
- Waste Activities in terms of NEMWA Schedule: Category 8 (7) and (11)
- Water Uses in terms of Section 21 of the NWA: 21 (a) (c) (g) (i) and (j)

Location of the proposed project: The proposed Leeuwkop EMP amendment project area lies approximately 19 km East of Brits and 14 km south west of Moinoi on the farms Leeuwkop 402JQ, Wolwekraal 408JQ and Kareepoort 407JQ in the Matibeng and Rustenburg local municipality and the Bojanala District Municipality of the North West Province.

Name of consultant to contact: Iiso Consulting (Pty) Ltd  
Contact person: Carol Hooghiemstra  
Postal Address: PO Box 68735, Highveld Park, 0169  
Tel: (012) 685 0924 and/or Fax: (012) 665 1886  
carol@iiso.com

Date of publication of this notice: 12 July 2012

Public meetings: Two public scoping meetings have been arranged as part of the public participation process. The details of the scoping meetings are provided in the table below:

Relevant Community	Date	Venue	Time
Sogwalane Community	25 July 2012	Gotsube Middle School	16h00
Makolokwe Community	26 July 2012	Tribal Hall	16h00

Registration of IAPs and submission of comments: 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 information-sharing scoping meetings (described above) and/or be sent in writing to the above consultant by 31 July 2012.

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

**AMENDMENT OF ENVIRONMENTAL AUTHORISATION FOR THE SEDIBELO PLATINUM MINING PROJECT ON THE FARMS WILGESPRUIT 2 JQ, ROODERAND 46 JQ, KOEDOESFONTEIN 42 JQ AND LEGKRAAL 43 JQ, MOSES KOTANE LOCAL MUNICIPALITY, NORTH WEST PROVINCE.**

1. Interested and affected parties registered during the Sedibelo EIA process are hereby notified in terms of Regulation 10(2) of Government Notice No. R. 543 of 18 June 2010, that the abovementioned Environmental Authorisation has been amended to change the contact details of the holder thereof. Copies of the Environmental Authorisation together with the relevant Environmental Authorisation Amendment, may be obtained from:

SLR Consulting (South Africa) (Pty) Ltd  
Tel: +27 11467 0945 • Fax: +27 11 467 0978

Mr Hylton Allison

2. All interested and affected parties are hereby informed in terms of Regulation 60(1) of Government Notice No. R. 543 of 18 June 2010, that a person who wishes to appeal against the foresaid change, must do so before 23 July 2012 with:

**The Member of the Executive Council  
Department of Economic Development, Environment,  
Conservation and Tourism  
Private Bag X15  
MMABATHO  
2735**

Tel: 018 387 7995-7 • Fax: 086 666 0148

# AFPLATS (PTY) LTD

## PROPOSED LEEUWKOP EMP AMENDMENT

### BACKGROUND INFORMATION SHARING DOCUMENT

June 2012

#### INTRODUCTION

The Leeuwkop Platinum Mine is currently being developed by Afplats (Pty) Ltd (Afplats) on the farm Leeuwkop 402JW, within the Madibeng and Rustenburg Local Municipality within the Bojanala Platinum District Municipality in the North West province. The project location is illustrated in Figure 1.

The mine holds an approved Environmental Management Programme (EMP) (NW 30/5/1/2/3/2/1/256EM) from the Department of Minerals and Energy (currently known as the Department of Mineral Resources) and a record of decision issued by the Department of Agriculture, Conservation and Environment (currently known as the Department of Economic Development, Environment, Conservation and Tourism).

Afplats is proposing to amend the approved EMP to cater for changes to planned infrastructure. The proposed changes include:

- A deeper shaft and a change in mining method that will result in the need for an additional waste rock dump to be established on surface
- The use of tailings backfill material as support
- The expansion of the sewage treatment plant
- The expansion of water management facilities
- The development of new water holding facilities
- A change in the planned routing of the access road.
- Incorporation of the farms Wolwekraal 408JQ and Kareepoort 407JQ into the mining right area.

#### 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/EMP phase. The assessment will be conducted in terms of the Mineral and Petroleum Resources Development Act, 28 of 2002, and the National Environmental Management Act (NEMA), 107 of 1998. Both laws apply because the proposed projects will be at a mine and they incorporate a number of listed/identified activities from NEMA Regulations R544 and R545. In addition to this, some of the project components will also require authorisation in terms of the National Water Act (NWA), 36 of 1998 and the National Environmental Management: Waste Act (NEMWA) 59 of 2008.

SLR Consulting (Africa) (Pty) Ltd (SLR Africa), an independent firm of environmental consultants, has been appointed by Afplats to manage the environmental process while Iliso Consulting (Pty) Ltd (Iliso) has been appointed to manage the stakeholder engagement process.

#### PURPOSE OF THIS DOCUMENT

This document has been prepared by SLR Africa and Iliso 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.

#### 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 authorisation process, the project description and the potential environmental impacts. You will be given the opportunity to provide input at public meetings, and also to review and comment on the following reports:

- \* Scoping Report
- \* EIA/EMP amendment Report

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.

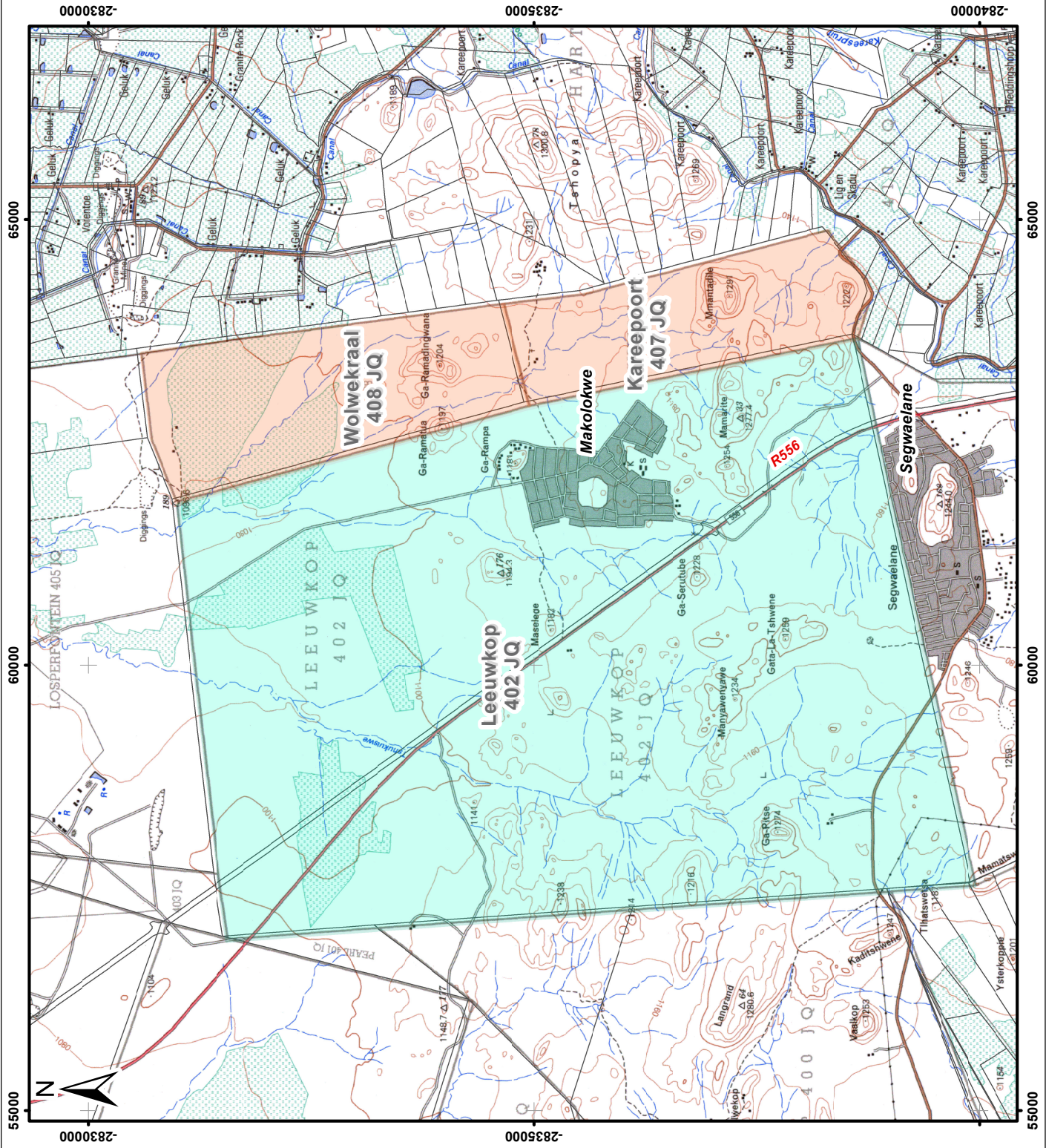
#### WHO TO CONTACT

Carol Hooghiemstra on  
(012) 685 0924 (Tel) or  
(012) 665 1886 (Fax) or  
[carol@iliso.com](mailto:carol@iliso.com)

DMR reference number:(NW 30/5/1/2/3/2/1/256EM),  
DEDECT (NWP/EIA/25/2012) and DEA (12/9/11/L935/7)

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





**Legend**

- Area To Be Included Into Mining Right
- Approved Mining Rights Area



Scale: 1:63 000 @ A4

Projection: Transverse Mercator  
Datum: Hartebeeshoek, LO27

AFPLATS (PTY) LTD

**Figure 1**

**Local Setting**



## PROJECT OVERVIEW

Afplats is aiming to authorise the proposed changes to the approved Leeuwkop infrastructure layout and incorporate the farms Wolwekraal 408JQ and Kareepoort 407JQ into the mining right area. Afplats currently holds a prospecting permit (NW 30/5/1/1/2/1033 PR) on these farms. At this stage no surface infrastructure is planned to be established on these additional farms. Instead, the ore resource will be accessed via the main shaft system on Leeuwkop 402 JQ. Exploration drilling will however continue on these farms. The proposed changes to the current infrastructure layout are discussed in more detail below:

Change in mining method: The current mining method is changing from a fully mechanised room and pillar method to a more conventional stoping method. The shaft will also be deeper than originally planned.

Tailings support: Grout packs comprised of tailings material, fly ash and other binding agents will be used as additional shaft support to the traditional roof bolts and wooden supports.

Establishment of a waste rock dump: The proposed change to the mining method will require the disposal of waste rock on surface. This proposed waste rock dump is estimated to have a footprint of 24 ha.

Sewage treatment plant: The capacity of the approved sewage treatment plant will be increased.

Water management facilities: An extension of the planned pollution control dams and water supply infrastructure will be required.

Water holding facility: An additional water holding facility will be required to store make-up water for up to two weeks during routine maintenance of the water supply infrastructure.

Transport system: It is proposed to extend the current asphalt access road.

Employment: The proposed operation will allow for an increase of the current workforce by an additional 400 employees during the construction phase and additional 3500 employees in the operational phase.

Life of mine: The initial anticipated life of mine was 20 years. With the proposed change to the mining method steady state mining is predicted to start in 2025 for a period of 19 years, where after production will reduce slowly to 2065.

*SLR Consulting (Africa) (Pty) Ltd*

## STATUS OF THE EXISTING ENVIRONMENT

This section provides a basic description of the existing status of the environment. More detailed information will be provided in the EIA/EMP.

Geology: Afplats is situated in the Bushveld Igneous Complex (BIC), which is an intrusive igneous body. The BIC is a layered igneous body that consists of sedimentary and volcanic rocks of the Transvaal Supergroup. The BIC is host to major deposits of platinum group metals (PGMs), chromite, vanadium and nickel. The PGMs comprise the elements platinum, palladium, rhodium, ruthenium, osmium and iridium.

Climate: Afplats is located in the Middle Veld climatic zone. The area is characterised by a mild climate, with about six weeks of chill in mid-winter between July - August. The rainy season occurs during summer from November to February, with the winter months relatively dry period with an annual precipitation of approximately 658 mm/year. The prevailing wind direction is south-west.

Topography: The topographical relief of the area is characterised by undulating terrain interspersed with granite hills averaging 100 m in height.

Soils: The major soil types that occur at Afplats include those of the orthic phase Mispah, along with some structured forms, including Milkwood, Bonheim and Arcadia. These soils types range from poor to very poor quality arable soils with extremely low economic potential.

Land use: The current land use is a mixture of agricultural activities (crop cultivation and grazing) and mining activities.

Animal life: Disturbance caused by existing mining activities and surrounding communities in the area has resulted in the fragmentation of the natural veld and only patches of undisturbed veldt occur. One hundred and twenty eight mammal species are likely to occur in the Brits region, but only 92 may occur on the proposed Leeuwkop site, this includes mammals, herpetofauna and birds.

Plant life: The vegetation structure consists of a mixture of tree and grass species, typical of the Rustenburg Gabbro Thornveld. Growth forms of the species recorded within the study area were largely dominated by forb (27%), grass (22%) and tree species (21%), with approximately 7% being shrub species and 6% being shrublet species.

Surface water: The mine is primarily located within quaternary catchment A21K. The south-east portion of the site falls within a second quaternary catchment, A21J. Several non-perennial tributaries occur within the proposed project area, some of which are significant tributaries of the Tshukutswe River. Water quality is generally poor and is above the recommended DWA domestic use guidelines for various parameters. No wetlands occur within the proposed project area.

Groundwater: The proposed study area is situated on fractured rock aquifers and is classified as a Minor Aquifer System. The depth of groundwater levels varies between 0 and > 90 m below surface. Deeper water levels are associated with the presence of faults and dykes.

Air quality: Apart from the current Afplats operations, various mines, industries and activities in the area also contribute to the emission of pollutants. These pollutants include; fugitive dust, mining emissions, biomass burning, household fuel combustion and vehicle tailpipe emissions.

Noise: The main sources of noise emissions include traffic on the R556, local traffic and communal activities in the settlements of Segwaelane and Makolokwe. The noise levels range between 60 dbA during the day and 55 dbA at night. This is expected to be similar on Wolwekraal and Kareepoort.

Visual: The overriding visual characteristic is that of a rural environment.

Heritage/cultural and palaeontological resources: Afplats is located in an area where sites of heritage/cultural importance occur. These may include stonewalled sites, graves, remains, middens etc. It should be noted that although no heritage resources are expected to occur in areas planned for surface infrastructure, heritage/cultural resources are expected to occur on the farms Wolwekraal 408JQ and Kareepoort 407JQ. It is not considered likely that paleontological resources exist within the project area due to the geology of the area.

Socio-economic: Segwalaene and Mokolokwe are the closest communities to the proposed project area and are located within a three kilometre radius. Unemployment rates are high, the establishment of un-serviced settlements in the area is increasing, and associated social problems such as disease and crime are increasing. Mining remains the major formal employment provider.

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

Safety – The proposed project has the potential to alter the topography and introduce infrastructure and excavations which may present potential safety risks for both people and animals.

Soils – the proposed project has the potential to cause soil erosion, compaction and/or soil pollution.

Land use – the proposed project has the potential to impact on livestock and crop farming activities.

Biodiversity – the proposed project has the potential to disturb biodiversity. Biodiversity includes vegetation, vertebrates and invertebrates.

Surface water – the proposed project has the potential to alter surface drainage patterns and to pollute surface water resources.

Groundwater – the proposed project has the potential to contaminate groundwater resources. In addition, dewatering at the shaft could impact groundwater levels and availability to other groundwater users.

Air – the proposed project has the potential to emit pollution into the air. The most significant emission type is dust.

Noise – the proposed project has the potential to cause noise pollution.

Visual – the proposed project has the potential to create visual impacts through topographical changes associated with large scale infrastructure.

Heritage resources – the proposed project has the potential to damage heritage resources such as graves.

## ENVIRONMENTAL AUTHORISATION PROCESS

The environmental process 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 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.

The likely process steps and timeframes of the environmental process are provided below.

### STEPS IN THE AUTHORISATION PROCESS

<p><b>PHASE I – Application phase (May to June 2012)</b></p> <p>Submission of applications to DEDECT and DEA. Notify DMR of Afplats intention to amend the approved EMP.</p>
<p><b>PHASE II – Scoping process (May to August 2012)</b></p> <p>Notify other regulatory authorities and IAPs of project and environmental assessment (via social scan, newspaper advertisements, site notices and this document)</p> <p>Scoping information-sharing meeting(s) with regulatory authorities (if required) and IAPs</p> <p>Compile scoping report and submit to DMR, IAPs and other authorities for review</p> <p>Public review of scoping report (40 days)</p> <p>Submit scoping report including IAP comments to DEDECT and DEA. Forward IAP comments to DMR</p>
<p><b>PHASE III – EIA/EMP (September 2012 to April 2013)</b></p> <p>Complete specialist studies</p> <p>Compile EIA/EMP report and submit to DMR, IAPs and other authorities for review</p> <p>Compile water use license application and submit to the department of water affairs</p> <p>Public review of EIA/EMP report (40 days)</p> <p>Submit EIA/EMP report including IAP comments to DEDECT and DEA. Forward IAP comments to DMR</p> <p>Circulate environmental authorisation decisions to IAPs registered on the project database and advertise the authority decisions.</p>

## PARTIES INVOLVED IN THE ENVIRONMENTAL ASSESSMENT PROCESS

### IAPs

- \* Surrounding landowners, land users and communities
- \* Surrounding mines and industries
- \* Non-governmental organisations and associations
- \* Traditional authorities and Community Property Associations

### REGULATORY AUTHORITIES

- \* Department of Environment Affairs (DEA)
- \* 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 Agriculture, Forestry and Fisheries (DAFF)
- \* Department of Land Affairs (DLA)

### LOCAL AUTHORITIES

- \* Rustenburg Local Municipality
- \* Madibeng Local Municipality
- \* Bojanala District Municipality
- \* Municipal Ward councillors

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



## TLHAGISO

Mo sebakeng seno moepo wa Polatinamo wa Leeuwkop o tlhabololwa ke Afplats (Pty) Ltd (Afplats) mo polaseng ya Leeuwkop 402JW, mo masepaleng wa Madibeng mo teng ga Masepala wa kgaolo ya polatinamo wa Bojanala, mo porofeseng ya Bokone Bophirima. Lefelo le porojeke eleng mo go lona le supywa mo Setshwantshong sa 1.

Moepo o na le Leano la tsamaiso ya tikologo (EMP) (NW30/5/1/2/3/2/1/256EM) le le amogetsweng ke Lefapha la Diminerala le Eneji ( le mo sebakeng seno le itsegeng jaaka Lefapha la metswedi ya diminerala) le rekoto ya tshwetso e e golotsweng ke Lefapha la temothuo, tshomarelo le tikologo ( le mo sebakeng se le itsegeng ka Lefapha la tlhabololo ya ikonomi, tikologo, tshomarelo le bojanala).

Afplats e dira tshikinyo ya go tlhabolola Lenaneo la tsamaiso ya tikologo le le amogetsweng, go tlamela diphetogo mo popegotheong e e rulagantsweng. Diphetogo tse di tshikinngwang di akaretsa:

- Shafote e e boteng le go fetolwa ga mekgwa ya go epa e e tla bakang go re thotobolo ya tlaleletso ya masalela a matlapa e tlhomiwe fa godimo.
- Go dirisiwa mo tshetsoeng ga materiale wa masalela a busetswang gape.
- Katoloso ya lefelo la go siamisa digweregwere.
- Katolo ya ditshiamelo tsa taolo ya metsi.
- Tlhabololo ya ditshiamelo tse di ntshwa tsa go tshola metsi.
- Phetolo ya thulaganyo ya tsela e e tsenang mo lefelong
- Go akaretswa ga dipolasa tsa Wolwekraal 408JQ le Kareepoort 407JQ mo kgaolong ya ditshwanelo tsa moepo.

## TIRO YA TETLA YA TIKOLOGO

Go tlhokega tshikatsheko ya tikologo, pele ga go simololwa ga porojeke e e tlhagisiwang, go akaretswa kgato ya kopo, kgato ya tlhaloso le kgato ya Tshikatsheko ya kamego ya tikologo le Lenaneo la tsamaiso ya tikologo. Tshikatsheko e tla diriwa go ya ka Molao wa tlhabololo ya metswedi ya diminerala le peteroliamo wa bo, 28 wa 2002, le Molao wa bosetshaba wa tsamaiso ya tikologo wa (NEMA), 107 wa 1998. E dira ka bobedi ka ntlha ya fa diporojeke tse di tshikintsweng di tla nna mo moepong, mme di akaretsa ditiro tse dintsinjana tse di kwadilweng/supilweng mo Melawaneng ya R544 le R545 ya molao wa bosetshaba wa tsamaiso ya tikologo. Mo godimo ga se, dikarolo dingwe tsa porojeke le tsona di tla tlhoka tetla go ya ka Molao wa bosetshaba wa metsi (NWA), wa bo 36 wa 1998 le wa Tsamaiso ya bosetshaba ya tikologo: Molao wa masalela (NEMWA) wa bo 59 wa 2008.

Setlamo se se ikemetseng sa bagakolodi ba tikologo sa SLR Consulting (Africa) (Pty) Ltd (SLR Africa), se thapilwe ke Afplats go laola tiro ya tikologo fa Iliso Consulting (Pty) Ltd (Iliso) e thapilwe go tsamaisa tiro ya go amega ga bannileseabe.

## MAITLHOMO A LEKWALO LE

Lekwalo le, le rulagantswe ke SLR Africa le Iliso go go itsise ka:

- \* Porojeke e e tshikinngwang;
- \* Go tlhagisa tshedimosetso ya motheo ya tikologo;
- \* Tiro e e tla latelwang ya tshikatsheko ya tikologo;
- \* Dikamego tse di ka nnang teng tsa tikologo; le
- \* ka mo o ka tshwaelang ka gona mo tirong ya tetla ya tikologo.

## SEABE SA GAGO

O supilwe jaaka motho yo o amegang le yo a nang le kgatlhego, yo a ka batlang go itsisiwe ka porojeke e e tshikinngwang, le go nna le tshwaelo mo tirong ya tetla ya tikologo, tlhaloso ya porojeke le ditlamorago tse di ka nnang teng tsa tikologo. O tla newa tshono ya go ntsha ditshwaelo mo dikopanong tsa setshaba mmogo le go lebisisa le go tshwaela mo dipegelong tse di latelang:

- \* Pegelo ya tlhaloso
- \* Pegelo ya tlhabololo ya Tshikatsheko ya kamego ya tikologo le Lenaneo la tsamaiso ya tikologo.

Ditshwaelo tsotlhe di tla gatsiwa le go akaretswa mo dikopong kwa mafapheng a a maleba a a tsayang tshwetso.

## KA MO O TSIBOGANG KA TENG

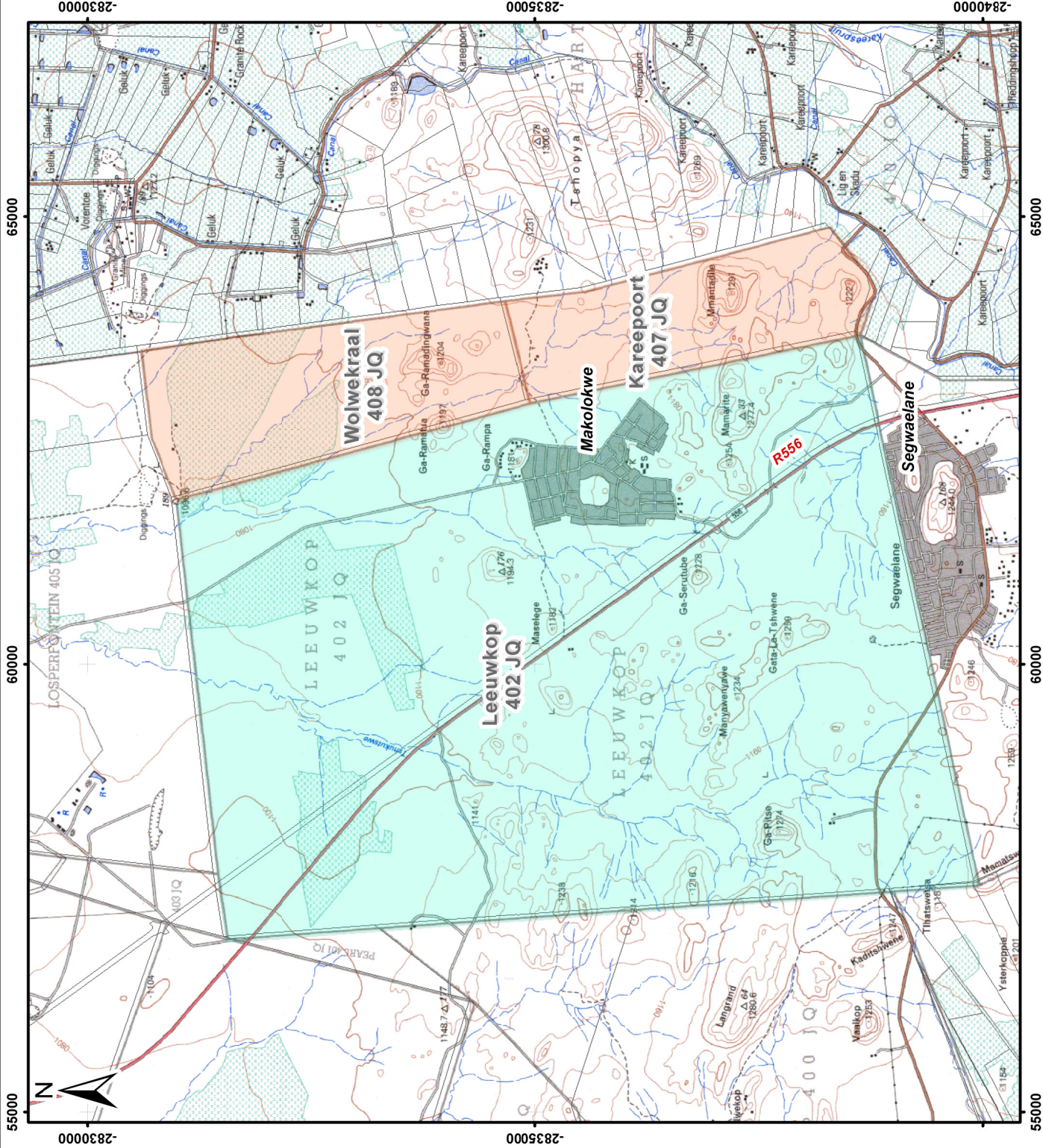
Ditsibogelo tsa lekwalo le di ka diriwa ka letlhare la ditshwaelo le le gokeletsweng le/kgotsa ka kgolaganano le motho yo a kwadilweng fa tlase.

## YO O GOLAGANANG LE ENA

Carol Hooghiemstra mo  
(012) 685 0924 (Tel) kgotsa  
(012) 665 1886 (Fax) kgotsa  
[carol@iliso.com](mailto:carol@iliso.com)

Nomore ya kaelo ya DMR:(NW 30/5/1/2/3/2/1/256EM),  
DEDECT ( NWP/EIA/25/2012) le DEA (12/9/11/L935/7)

Tsweetswee netefatsa go re dinomere tsotlhe tsa kaelo di akaretswa mo dikgolaganong tsotlhe.



**Legend**

- Dikgato tse di akarediwang mo tsa moeпо
- Dikgato tse di dumeletsweng tsa ditshwaneleo tsa moeпо



Scale: 1:63 000@ A4

Projection: Transverse Mercator  
Datum: Hartebeeshoek, LO27

AFPLATS (PTY) LTD

**Setshwantsho sa 1**

**Sebopego sa Lefelo**



710.01002.00011

June 2012

## TSHOBOLOKO YA POROJEKE

Afplats e ikemiseditse go letla diphetogo tse di tshikintsweng mo sebopegong se se amogetsweng sa Leeuwkop le go akaretsa dipolasa tsa Wolwekraal 408JQ le Kareepoort 407JQ mo kgaolong ya ditshwanelo tsa moepo. Mo sebakeng se, Afplats e na le tumelelo ya go dira dipatlisiso ya (NW 30/5/1/1/2/1033 PR) mo dipolaseng tse. Mo sebakeng se, ga go popegotheo ya fa godimo e e tla tlhomiwang mo dipolaseng tse tsa tlaleletso. Metswedi ya manya e tla fitlhelwa ka shafote e kgolo mo Leeuwkop 402 JQ. Le fa go le jalo, dipatlisiso tsa go epa di tla tswelelepele mo dipolaseng tse. Diphetogo tse di tshikintsweng tsa sebopego sa popegotheo e e fa godimo di sekasekiwa ka botlalo fa tlase:

Phetolo ya mokgwa wa go epa: Mokgwa wa jaanong wa go epa o fetolwa go tswa go o tletseng wa phaposi le pilara go nna wa segompiano wa stoping. Shafote e tla nna boteng go na le jaaka go ne go rulagantswe go le pele.

Tshegetso ya masalela: Diphetolo tsa keraote, tse di akaretsang dimateriale tsa masalela, mosidi le dirisiwa tse dingwe tse di tshwaraganyang, di tla dirisiwa jaaka ditshegetsi tsa tlaleletso tsa shafote, go tlaleletsa ditshipi tsa tlwaelo tsa bogodimo le ditshegetsi tsa legong.

Go tlhomiwa ga thotobololo ya matlapa a masalela: Phetolo e e tshikinngwang ya tsamaiso ya moepo e tla tlhoka go re masalela a matlapa a latlhelwe fa godimo. Thotobolo e ya matlapa a masalela go fopholetswa fa e tla nna bogolo ba 24 ha.

Lefelo la tshiamiso ya digweregwere: Mothamo wa lefelo le le amogetsweng la digweregwere o tla okediwa.

Ditshiamelo tsa taolo ya metsi: Go tla tlhokega katoloso ya matamo a a rulagantsweng a taolo ya kgotlhelego le popegotheo ya tlamelo ya metsi.

Tshiamelo ya go tshola metsi: Go tla tlhokega tshiamelo ya tlaleletso ya go tshola metsi, go boloka metsi go fitlha mo dibekeng di le pedi mo nakong ya ka gale ya go siamisa popegotheo ya tlamelo ya metsi.

Thulaganyetso ya dipalangwa: Go diriwa tshikinyo ya go atolosa tsela e e dirisiwang ya asphalt.

Badiri: Tiro e e tshikinngwang e tla dira go re badiri ba jaanong ba okediwe ka ba tlaleletso ba le 400 mo kगतong ya kago, le ba le 3500 mo kगतong ya go dira.

Botshelo jwa moepo: Mo tshimologog go ne go solofetswe fa moepo o tla nna teng mo dingwageng di le 20. Ka diphetogo tse di tshikinngwang tsa go epa, go bonelwapele fa tswelsetso ya go epa e tla simolola ka 2025 mo pakeng ya dingwaga di le 19, mme morago ga moo, ntsho ya dikumo e tla fokotsega ka iketlo go fitlha ka 2065.

## MAEMO A A LENG TENG A TIKOLOGO

Karolo e, e naya tlhaloso ya motheo ya maemo a a leng teng a tikologo. Tshedimisetso e e tletseng ya go ya pele, e tla tlhagisiwa mo Tshhekatshekong ya go amega ga tikologo le Lenaneo la tsamaiso ya tikologo.

Maemo a lefatshe/Jioloji: Afplats e fitlhelwa mo tikwatikweng ya dikgwa ya mafika a a bakilweng ke molelo/Bushveld Igneous Complex (BIC), e leng boalo ba mafika a molelo. BIC ke boalo ba igneous bo bo bopilweng ke disedimente le mafika a lekgwamolemo a setlhopha segolo sa Teransefala. BIC e na le masalela a magolo a dimetale tsa setlhopha sa polatinamo, khoroumu, banadiamo le nikele. Dimetale tsa setlhopha sa polatinamo di bopiwa ke dielemente tsa polatinamo, paladiamo, rodiamo, rutheniamo, osmium le iridamo.

Tlelaemete: Afplats e mo karolong ya tlelaemete ya naga-gare. Kgaolo e itemogela tlelaemete e e bololo ka dibeke di le thataro tse di tsididi tsa bogare jwa mariga, magareng ga Phukwi go fitlha Phatwe. Setlha sa pula se nna teng mo selemong go tloga ka Ngwanaitsele go fitlha Tlhakole ka dikgwedi tsa mariga tse di omileng ka pula ya ngwaga ya bokana ka 658mm. Diphefo di fokela thata go tswa borwa go ya bophirima.

Lenaga/Topokerafi: Lenaga la kgaolo le ya godimo le tlase ka dithabana tsa kerenaete tsa bogodimo jo bo magareng ga dimitara di le 100.

Mebu: Mehuta e megolo ya mmu e e tlhagelelang mo Afplats e akaretsa ya orthic phase Mispah, mmogo le e mengwe e e akaretsang Milkwood, Bonheim le Arcadia. Mehuta ya mmu e farologana go tloga go e e bokowa go ya go e e bokowa thata ya temo, e e nang le bokgoni jo bo kwa tlase thata jwa ikonomi.

Tiriso ya lefatshe: Tiriso ya jaanong ya lefatshe ke motswako wa ditiro tsa temothuo ( jalo ya dimela le phulo) le ditiro tsa moepo.

Botshelo jwa dipholologo: Kgoreletso e e bakilweng ke ditiro tsa meepo e e leng teng le ditshaba tse di mo tikologong, e bakile tshenyo ya tlhago ya naga, mme go tlhagelela fela dipatso tsa naga e e sa kgoreletswang. Mehuta ya diamusi/dianyisi e le lekgolo masome a mabedi robedi, e ka nne ya fitlhelwa mo kgaolong ya Brits, mme go ka nne ga tlhagelela fela e le 92, mo lefelong le le tshikinngwang la Leeuwkop, mme tseno di akaretsa dianyisi, digagabi le ditshidi tsa metsi le dinonyane.

Botshelo jwa dimela: Sebopego sa dimela se akaretsa motswako wa ditlhare le mehuta ya bojang, tsa mohuta wa mosu wa Gabbro wa Rustenburg. Mehuta ya dimela e e bonweng mo kgaolong e e ithutiwang bogolo thata e ne e le ya forb (27%), bojang(22%) le mehuta ya ditlhare (21%), ka bokana ka 7% ya ditlhatshana mme 6% ke mehuta ya dimela tse di nnye.

Metsi a a fa godimo: Moepo bogolo thata o mo bodutelong jwa A21K. Karolo ya borwa botlhaba e wela mo bodutelong



## DITLAMORAGO TSE DI KA NNANG TENG TSA TIKOLOGO

jo bo latelang ba A21J. Melatswana e e sa eleleng ka metlha e fitlhelwa mo kgaolong e e tshikintsweng, mme mengwe ya yona ke melatswana e e botlhokwa ya noka ya Tshukutswe. Boleng jwa metsi ka kakaretso bo bokowa mme bo kwa godimo ga dikaelo tsa tiriso ya mo gae tse di atlanegisitsweng ke Lefapha la merero ya metsi tsa maparego a a farologaneng. Ga go mekgatsha e e fitlhelwang mo kgaolong ya porojeke e e tshikintsweng.

Metsi a a mo mmung: Kgaolo e e tshikintsweng e e ithutiwang e mo boalong jwa metsi jwa letlapa le le pharogileng, mme e tsewa e le tsamaiso ya motswedi o monnye. Boteng jwa boalo jwa metsi a a mo mmung bo farologana magareng ga o le > 90 m kwa tlase ga boalo jo bo fa godimo. Maemo a a boteng a metsi a golaganngwa le go nna teng ga motswedi le mabota.

Boleng jwa mowa: Kwa ntle ga ditiro tsa jaanong tsa Afplats, meepo e e farologaneng, madirelo le ditiro mo kgaolong le tsona di na le tshwaelo mo go ntsheng dikgotlhedi. Dikgotlhedi tse di akaretse, lerole, mesi ya moepo, phiso ya dilo tse di senyegang, phiso ya dituki tsa mo lelapeng le mesi ya diokesoso tsa dijanaga.

Modumo/Leratla: Motswedi o mogolo wa modumo o akaretse pharakano mo tseleng ya R556, pharakano ya legae le ditiro tsa baagi mo metseng ya Segwaelane le Makolokwe. Maemo a leratla a farologana magareng ga 60 dbA motsheng le 55 dbA bosigo. Go solofetswe fa go tla nne go nna jaana kwa Wolwekraal le Kareepoort.

Pono: Sebopego se se tletseng sa ponalo ke sa tikologo ya selegae.

Boswa/setso le metswedi ya bogologolo tala: Afplats e mo kgaolong eo mo go yona go nang le mafelo a a botlhokwa a setso/ngwao. Ona a ka akaretse mafelo a mabotana a matlapa, mabitla, masalela, dilo tsa botshelo jwa bogologolo, jalo le jalo. Go tshwanetse ga lemogiwa go re le fa go sa solofelwa metswedi ya boswa mo kgaolong ya dikarolo tse di rulaganyeditsweng popegotheo ya fa godimo, go solofetswe fa go tla nna le metswedi ya boswa/setso mo dipolaseng tsa Wolwekraal 408JQ le Kareepoort 407JQ. Ga go bonwe fa metswedi ya bogologolo tala e le teng mo karolong ya porojeke ka ntlha ya maemo a kgaolo.

Leago-ikonomi: Segwaelane le Mokolokwe ke tsona di leng gaufi le kgaolo ya porojeke e e tshikinngwang, mme di mo modikong wa dikilomitara di le tharo. Kelo ya botlhokatiro e kgolo, go nna teng ga bonno jo bo senang ditirelo go a oketsega, mme mathata a loago a a jaaka malwetse le bosinyi a oketsega. Moepo e santse e le ona o rebolang ditiro tse dikgolo tsa semmuso.

Lenaneo le le latelang la dikamego tse di ka nnang teng le tlhagisitswe mo porojekeng e e tshikinngwang, mme le tla batlisisiwa jaaka karolo ya tiro ya go sekaseka tikologo:

Pabalasego – Go na le kgonagalo ya go re porojeke e e tshikinngwang, e fetole sebopego le go tlhagisa popegotheo le go epa go go ka bakang dikotsi tsa pabalasego, mo bathong le mo diphologolong.

Mebu – Go na le kgonagalo ya go re porojeke e e tshikinngwang e bake kgogolego ya mmu, kitlano le/kgotsa kgotlhelo ya mmu.

Tiriso ya lefatshe – porojeke e e tshikintsweng e ka nne ya ama diruiwa le ditiro tsa temo ya dijalo.

Dimela le diphologolo – go na le kgonagalo ya go re porojeke e e tshikinngwang e kgoretse dimela, diphologolo tse di nang le mokokotso le tse di seng mokokotlo.

Metsi a a fa godimo – go na le kgonagalo ya go re porojeke e e tshikinngwang e fetole tsela ya go monyela (tereina) ya fa godimo le go kgotlhela metswedi ya metsi a a fa godimo.

Metsi a a mo mmung – go na le kgonagalo ya go re porojeke e e tshikinngwang e kgotlbele metswedi ya metsi a a mo mmung. Mo godimo ga moo, go pompiwa ga metsi mo shafoteng go ka ama maemo a metsi a a mo mmung le a badirisi ba bangwe ba metsi a a mo mmung.

Mowa – go na le kgonagalo ya go re porojeke e e tshikinngwang e ntshetse dikgotlhedi mo moweng. Mohuta o mogolo wa sekgotlhedi ke lerole.

Modumo/Leratla – go na le kgonagalo ya go re porojeke e e tshikinngwang e bake modumo/leratla.

Pono – go na le kgonagalo ya go re porojeke e e tshikinngwang e bake kamego ya pono ka ntlha ya go fetolwa ga lefelo go go tsamaisanang le palo e kgolo ya popegotheo.

Metswedi ya boswa – go na le kgonagalo ya go re porojeke e e tshikinngwang e senye metswedi ya boswa jaaka mabitla.

## TIRO YA TETLA YA TIKOLOGO TIRO

Tiro ya tikologo e tthagisa tshedimosetso ya porojeke le tikologo e e diriwang mo go yona; e supa ka tirisano le makala a a amegang, le a a nang le kgatlhego, dikamego tse di kgonagalang tse di amogelesegang le tse di sa amogelesegeng tsa porojeke; le go bega ka dikgato tsa tsamaiso tse di tlhokegang, go kaonafatsa dikamego, go nna tsa maemo a a amogelesegang. Dikgato tse di ka nneng tsa diragala le dinako di tthagisiwa fa tlase. Baamegi le bakgatlhegi le bannileseabe ba bangwe ba ba kwadisitsweng mo lefelong la dintlha tsa porojeke ba tla amogela go le pele kitsiso ya dikopano tsa go arogana tshedimosetso le dipaka tsa go lebisisa pegelo. Dikgato tse di ka nneng tsa tsewa le dinako tsa tiro ya tikologo di tthagisiwa fa tlase.

### DIKGATO MO TIRONG YA TETLA

#### KGATO YA I – Kgato ya kopo (Motsheganong go fitlha Seetebosigo 2012)

Dikopo di nwa Lefapha la tlhabololo ya ikonomi, Tikologo, Tshomarelo le bojanala le Lefapha la merero ya tikologo. Lefapha la merero ya diminerala (DMR) le itsisiwe ka maikemisetso a Afplats a go tlhabolola Lenaneo la tsamaiso ya tikologo le le amogetsweng.

#### KGATO YA II – Tiro ya tlhaloso (Motsheganong go fitlha Phatwe 2012)

Go itsisiwe ga bathati ba bangwe ba taolo le baamegi le bakgatlhegi ka porojeke le tshekatsheko ya tikologo ( ka tiriso ya baagi, diphasalatso tsa makwalokgang, dikitsiso mo saeteng le lekwalo le)

Tlhaloso ya tshedimosetso – dikopano le bathati ba taolo ( fa go tlhokega) le baamegi le bakgatlhegi

Go diriwa ga pegelo ya tlhaloso le go e naya Lefapha la merero ya diminerala, Baamegi le Bakgatlhegi le bathati ba bangwe go e lebisisa.

Setshaba se lebisisa pegelo ya tlhaloso ( malatsi a le 40 ) Pegelo ya tlhaloso e e akaretsang ditshwaelo tsa Baamegi le Bakgatlhegi e nwa Lefapha la tlhabololo ya ikonomi, Tikologo, Tshomarelo le bojanala le Lefapha la merero ya tikologo. Ditshwaelo tsa Baamegi le Bakgatlhegi di nwa Lefapha la merero ya diminerala

#### KGATO YA BO III – TSHEKATSHEO YA KAMEGO YA TIKOLOGO LE LENANEO LA TSAMAISO YA TIKOLOGO (Lwetse 2012 go fitlha Moranang 2013)

Go digelwa ga dipatlisiso tsa baitseanape

Go diriwa ga pegelo ya Tshkatsheko ya kamego ya tikologo/Lenaneo la tsamaiso ya tikologo le go e naya

Lefapha la metswedi ya diminerala, Baamegi le Bakgatlhegi le bathati ba bangwe go e lebisisa.

Go diriwa ga kopo ya laesense ya tiriso ya metsi le go e naya lefapha la merero ya metsi

Setshaba se lebisisa pegelo ya Tshkatsheko ya kamego ya tikologo/Lenaneo la tsamaiso ya tikologo ( malatsi a le 40)

\* Pegelo ya Tshkatsheko ya kamego ya tikologo/Lenaneo la tsamaiso ya tikologo e e akaretsang ditshwaelo tsa Baamegi le Bakgatlhegi e nwa Lefapha la tlhabololo ya ikonomi, Tikologo, Tshomarelo le bojanala le Lefapha la merero ya tikologo. Ditshwaelo tsa Bakgatlhegi le Baamegi di nwa Lefapha la merero ya diminerala.

Ditshwetso tsa tetla ya tikologo di nwa Baamegi le Bakgatlhegi ba ba kwadisitsweng mo lenaneong la dintlha la porojeke mme go phasalatswa ditshwetso tsa bothati.

## MAKALA A A AMEGANG MO TIRONG YA GO SEKASEKA TIKOLOGO

### Bakgatlhegi le Baamegi

- \* Beng ba lefatshe ba ba mo tikologong, badirisi ba lefatshe le ditshaba
- \* Meepo e e mo tikologong le madirelo
- \* Mekgatlho e e seng ya mmuso le ditlamo
- \* Bathati ba setso le mekgatlho ya dithoto tsa setshaba

### BATHATI BA TAOLO

- \* Lefapha la merero ya tikologo (DEA)
- \* Lefapha la merero ya metsi (DWA)
- \* Lefapha la tlhabololo ya ikonomi, Tikologo, Tshomarelo le bojanala (DEDECT)
- \* Lefapha la metswedi ya diminerala (DMR)
- \* Lekala la metswedi ya boswa la Aforika Borwa (SAHRA)
- \* Lefapha la temothuo, dikgwa e ditlhapi (DAFF)
- \* Lefapha la merero ya lefatshe (DLA)

### BATHATI BA LEGAE

- \* Masepala wa legae wa Rustenburg
- \* Masepala wa legae wa Madibeng
- \* Masepala wa kgaolo ya Bojanala
- \* Bakhanselara ba dikarolotlhopho tsa masepala

Tsweetswee re itsise fa go na le makala mangwe a tlaleletso a a tshwanetseng go amega.

**AFPLATS (PTY) LTD**

**LEKWALO LA MAITSHETLEGO A GO AROGANA TSHEDIMOSETSO YA TLHABOLOLO E E TSHIKINNGWANG YA  
LENANEO LA TSAMAISO YA TIKOLOGO**

**FOROMO YA IKWADISO LE TSIBOGO YA MAKALA A A AMEGANG LE A A NANG LE KGATLHEGO**

<b>LETLHA</b>		<b>NAKO</b>	
<b>DINTLHA TSA MOKGATLHEGI LE MOAMEGI</b>			
<b>LEINA</b>			
<b>ATERESE YA POSO</b>			
		<b>KHOUTU YA POSO</b>	
<b>ATERESE YA MMILA</b>			
		<b>KHOUTU YA POSO</b>	
<b>NOMORO YA TELEFOUNU YA TIRO/ GAE</b>		<b>NOMORE YA FEKESSE YA TIRO/GAE</b>	
<b>NOMORE YA SELEFOUNU</b>		<b>ATERESE YA E-MAIL</b>	

**TSWEETSWE E SUPA KGATLHEGO YA GAGO MO POROJEKENG E E TSHIKINNGWANG**

**TSWEETSWE E KWALA DITSHWAELO LE DIPOTSO TSA GAGO FA**

**Tsweetswee busetsa diforomo tse di tladitsweng go:**

**Carol Hooghiemstra**  
**Iliso Consulting**  
 (012) 685 0924 (Tel) le/kgotsa( 012) 665 1886 (Fax)  
[carol@iliso.com](mailto:carol@iliso.com)

**AFPLATS (PTY) LTD**  
**INVITATION: LEEUWKOP ENVIRONMENTAL IMPACT ASSESSMENT AND ENVIRONMENTAL**  
**MANAGEMENT PROGRAMME AMENDMENT PROCESS**

Afplats (Pty) Ltd (Afplats), owns and operates the developing Leeuwkop Platinum Mine close to the town of Brits within the Rustenburg Local Municipality and the Bojanala Platinum District Municipality in the North West province. The Leeuwkop Platinum Mine is located on the farm Leeuwkop 402JW. The mine and associated activities was approved in terms of the Mineral and Petroleum Resources Development Act, 28 of 2002 (MPRDA) (Reference number NW 30/5/1/2/3/2/1/256EM) and National Environmental Management Act, 107 of 1998 (NEMA) (Reference number NWP/EIA/59/2007) in 2008. A Water Use Licence Application (WULA) was submitted in 2006 to authorise water uses in terms of the National Water Act, 36 of 1998 (NWA) and is still with the Department of Water Affairs for consideration.

This letter serves to notify you of Afplats intention to amend the approved Leeuwkop Environmental Management Programme (EMP) in terms of the MPDRA, authorise Listed Activities in terms of NEMA and authorise new water uses in terms of NWA to include the following:

- A deeper shaft and a change in mining method that will result in the need for an additional waste rock dump to be established on surface.
- The use of tailings backfill material as support.
- The expansion of the sewage treatment plant.
- The expansion of water management facilities.
- The potential development of new water holding facilities.
- A change in the planned routing of the mine access road.
- The inclusion of the farms Wolwekraal 408JQ and Kareepoort 407JQ into the mining rights area.

SLR Consulting (Africa) (Pty) Ltd (SLR Africa), an independent firm of environmental consultants, has been appointed by Afplats to manage the environmental authorisation process while ILISO Consulting (Pty) Ltd (ILISO) has been appointed to manage the stakeholder engagement process.

You are kindly invited to attend the public meeting that will be held as follows:

**Date: 26 July 2012**

**Time: 16H00**

**Venue: Mokolokwe Tribal Council office**

To discuss the following points:

- Provide information on proposed project,
- Provide overview of existing status of environment,
- Provide information on potential impacts,
- Raise and record environmental issues, and
- Identify possible specialist investigations.

Your consideration will be much appreciated. For any further information, please do not hesitate to contact:

Carol Hooghiemstra at ILISO

Tel: 086 124 5476, Fax: 012 665 1886 or E-mail: carol@iliso.com

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You are kindly invited to attend the public meeting that will be held as follows:

**Date: 25 July 2012**

**Time: 16H00**

**Venue: Gotsube Middle School**

To discuss the following points:

- Provide information on proposed project,
- Provide overview of existing status of environment,
- Provide information on potential impacts,
- Raise and record environmental issues, and
- Identify possible specialist investigations.

Your consideration will be much appreciated. For any further information, please do not hesitate to contact:

Carol Hooghiemstra at ILISO

Tel: 086 124 5476, Fax: 012 665 1886 or E-mail: carol@iliso.com

**AFPLATS (PTY) LTD**  
**MINUTES OF NGWANADIRANE FOCUS GROUP MEETING**

<b>DATE</b>	Wednesday, 18 July 2012 @ 14h30
<b>VENUE:</b>	Geluk – Ngwanadirane CPA Boardroom
<b>PROJECT:</b>	Leeuwkop EIA and EMP Amendment
<b>PROJECT NUMBER:</b>	710.01002.00011
<b>PURPOSE:</b>	The purpose of the focussed group meeting was to provide information on: <ul style="list-style-type: none"> <li>• Understand the process</li> <li>• Provide information on proposed project</li> <li>• Provide overview of existing status of environment</li> <li>• Provide information on potential impacts</li> <li>• Raise and record environmental issues</li> <li>• Identify possible specialist investigations.</li> </ul>
<b>APOLOGIES</b>	No apologies
<b>ATTENDANCE:</b>	See attendance register attached in Appendix 1.

**1. OPEN AND INTRODUCTION**

Webster Diale from Afplats (Pty) Ltd (Afplats) opened the meeting and extended a special welcome to Mr Mamogale for making time to attend the meeting. Following this, Carol Hooghiemstra (CH) from Iliso Consulting (Iliso) introduced herself as the sub-consultant for the public participation process and introduced the project team as follows:

Webster Diale (WD) : Afplats  
 Karools van Wyk (KVV) : Afplats  
 Natasha Daly (ND) : SLR Consulting (Africa) (Pty) Ltd (SLR)  
 Carol Hooghiemstra (CH) : Iliso  
 Ntsako Baloyi (NB) : SLR  
 Annalene van Zyl (AVZ) : Iliso

Following the introduction the meeting was facilitated by CH, with ND presenting the technical project information in English.

**2. DISCUSSION**

Any issues and concerns raised during the meeting have been recorded in Table 1. Where a response was provided the response has also been included in Table 1.

**Table 1: Issues raised by interested and affected parties**

<b>Issue</b>	<b>Raised by whom</b>	<b>Response provided</b>
<b>Soils and land capability</b>		
It needs to be noted that majority of the CPA members are farmers and as such will not agree with the statement in your presentation that the soil quality within the area ranges from poor to very poor with a low agricultural potential.	Webster Diale	The statement that the quality of soil in this area is poor was sourced from the previous EIA. Specialists have specific criteria that is used to investigate the quality of soil. Your concern has however been noted and will be further addressed during the EIA phase (CH).
I do not agree that soil types range from poor to very poor quality arable soils with a low economic potential. This is not true, and that sentence needs to be removed from the presentation. This area produces the best vegetables in the Brits area. It is shocking that the quality of soils in this area can be described as poor.	Henry Mahuma	
Due to the limited capacity of water resources in this area there is no irrigation infrastructure on this side of the hill and we therefore do not have a lot of farmers using irrigation. Irrigation does take place on the other side of the hill. But it does not mean that the soil resources are poor. I can take you to a farmer who does not use irrigation and he is successfully planting carrots and beetroot. He is the best producer at Wolwekraal. Sunflower fields have been planted and produced on Leeuwkop in the past and it was the best produce in the area. Soil is good in this area. The fact is that we as farmers say that the statement in the presentation regarding poor quality soil is incorrect and needs to be removed.		
<b>Surface water</b>		
To my knowledge, the Thukutswe River starts near the Sterkfontein caves somewhere at the Northern side of the Mokalokwe village. The Thukustwe River must not be contaminated. How will you ensure that this river is not contaminated because surely the mine being underground will affect the water.	Chief Mamogale	Your issue has been noted and will be further addressed during the EIA phase (CH).
<b>Groundwater</b>		
I am concerned about underground water. I understand that the activities at the Leeuwkop mine take place underground. Will the proposed expansion project affect the groundwater resource for the farmers	Obakeng Lebethe	As part of the EIA process, a specialist has been appointed to undertake a groundwater investigation in order to identify what impact the proposed operation will have towards both groundwater quality and quantity. Your concern has however been noted and you

<b>Issue</b>	<b>Raised by whom</b>	<b>Response provided</b>
in this area? There are times that we make use of groundwater resources.		will be provided feedback during the EIA phase (CH).
<b>Blasting</b>		
I am concerned about the houses in Makolokwe. Will there not be an impact on houses? I have seen in Makolokwe that they are cracked. I have seen how the houses shake during blasts.	Henry Mahuma	Your issue has been noted and will be further addressed during the EIA phase (CH). It should however be noted that Afplats does monitor every blast and these blasts need to be within the limits as specified in their approved EMP. Further to this the deeper the mining goes, the less the communities will be aware that Afplats is blasting (WD).
<b>Heritage/cultural resources</b>		
I do not believe that the proposed project will not impact on heritage resources. I know that there are heritage resources on Leeuwkop. I was with Professor Pistorius when he came to site and we went to see these sites together.	Henry Makhuma	You are correct, a heritage impact assessment was conducted in June 2012 by Professor Pistorius. Although graves and heritage resources were identified, there are no graves or heritage sites located within the footprint area of the planned infrastructure. It should be noted that all the graves and heritage sites have been mapped and the exact co-ordinates are included in the heritage impact assessment report. This report will be circulated to you. (CH and WD).
<b>Socio-economic: Influx of people</b>		
Informal settlements are a matter of concern. You have never stopped it and mining houses never stop the development of informal settlements. We want to know how the development of informal settlements will be stopped. It is a real problem.	Henry Mahuma	Your issue has been noted and will be further addressed during the EIA phase (CH).  It must be noted that the influx of people and the development of informal settlements is something that is happening everywhere and is not just associated with mines. The development of informal settlements does however affect us all which raises the questions of what can be done with the co-operation of the authorities, municipalities and communities in order to avoid this. In terms of Afplats whether we are able to succeed in the prevention of the development of informal settlements or not, there are plans in place that aim to avoid the development of informal settlements (WD).
<b>Land use</b>		
In the past farmers use to have approximately 400 ha of land and now this has been significantly reduced to 50 ha. I remember that there used to be large sunflower fields in Kanan, which are no longer there. The point I am trying to make is that agricultural land is being lost as a result of mining. What should we do about this? We are losing more and more agricultural land to mining activities. It needs to be noted that	Henry Mahuma	Your issue has been noted and will be further addressed during the EIA phase (CH).



Issue	Raised by whom	Response provided
the security of food is at risk and that food is just as important. We cannot stop mining because it creates job but lets us not forget about the importance of agriculture. This is a matter that needs to be discussed and Afplats needs to come up with sustainable solutions.		

### 3. THE WAY FORWARD

The way forward was outlined as follows:

- Summaries of the Scoping Report will be posted/emailed and/or distributed at community venues to all IAPs and regulatory authorities registered on the project's database in August 2012.
- All scoping summary documents will be made available in English and Tswana.
- Full copies of the scoping reports will be made available at the Makolokwe tribal office, Segwaelane tribal office and Brits public Library for public review.
- As agreed with the Ngwanadirane CPA, additional scoping reports will be made available at the following venues:
  - Modika
  - Bethanie
  - Barsiba
  - Momo
  - CPA offices
- IAPs will be given 40 days to review the scoping report and submit comments
- Following the review of the scoping report, specialist investigations will be conducted where required.
- Once the specialist studies and the EIA and EMP report has been completed, full copies of the EIA and EMP report as well as summaries will be made available for public review and comment by IAPs and regulatory authorities for 40 days.
- Feedback meetings will be arranged during the EIA and EMP review period to assist IAPs with the review of the EIA and EMP report.

### 4. CLOSE

Carol Hooghiemstra thanked everyone for attending and closed the meeting. The meeting adjourned at 15h40.

## APPENDIX 1: ATTENDANCE REGISTER

Name	Interest	Postal address	Telephone		Email/Fax
AW Diale	Afplats	PO Box 7761 Rustenburg 0300	Tel	(041) 5928326	<a href="mailto:Webster.diale@implats.co.za">Webster.diale@implats.co.za</a>
			Fax	0867168699	
			Cell	0829045324	
Josia Masongoa	NCPA		Tel	(012) 2544762	<a href="mailto:chipa@vodamail.co.za">chipa@vodamail.co.za</a>
			Fax		
			Cell	0722728252	
Henry Mahuma	NCPA	PO Box 515 Bethanie 0270	Tel		-
			Fax		
			Cell	0723365154	
Aaron R Mosito	NCPA	PO Box 238 Bethanie 0270	Tel		-
			Fax		
			Cell	0828045324	
Daniel Thage	NPCA	0734 Oudstad Modikwe Village	Tel		-
			Fax		
			Cell	0762180449	
Thabo L More	NCPA	PO Box 6934 Bethanie 0270	Tel		-
			Fax		
			Cell	0837699234	
Steven Setlodi	NCPA	PO Box 135 Bethanie 0270	Tel		-
			Fax		
			Cell	0725737958	
LJ Mamogale	NCPA	PO Box 4374 Brits 0250	Tel		-
			Fax		
			Cell	0827662121	
Obakeng Lebetho	NCPA	Makolokwe	Tel		<a href="mailto:Obakeng.lebethe@yahoo.com">Obakeng.lebethe@yahoo.com</a>
			Fax		
			Cell	0717899086	
Ntsako Baloyi	SLR	PO Box 1596 Cramerview 2060	Tel	(011) 4670945	<a href="mailto:nbaloyi@slrconsulting.com">nbaloyi@slrconsulting.com</a>
			Fax	(011) 4670978	
			Cell	0824724919	
Natasha Daly	SLR	PO Box 1596 Cramerview 2060	Tel	(011) 4670945	<a href="mailto:nadaly@slrconsulting.com">nadaly@slrconsulting.com</a>
			Fax	(011) 4670978	
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Carol Hooghiemstra	ILISO Consulting	PO Box 68735 Highveld 0169	Tel	(012) 6850900	<a href="mailto:carol@iliso.com">carol@iliso.com</a>
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			Cell	0824107280	
Annalene van Zyl	ILISO Consulting	PO Box 68735 Highveld 0169	Tel	(012) 6850900	<a href="mailto:annalene@iliso.com">annalene@iliso.com</a>
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			Fax		
			Cell		

## APPENDIX 2: PRESENTATION



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**AFPLATS (Pty) Ltd**

**PROPOSED LEEUWKOP EMP  
AMENDMENT**

**SCOPING PHASE STAKEHOLDER  
ENGAGEMENT** July - AUGUST 2012

## AGENDA

- Registration
- Welcome and opening
- Project overview
- Environmental process overview
- Status of the existing environment
- Potential impacts
- Way forward for Scoping
- Close

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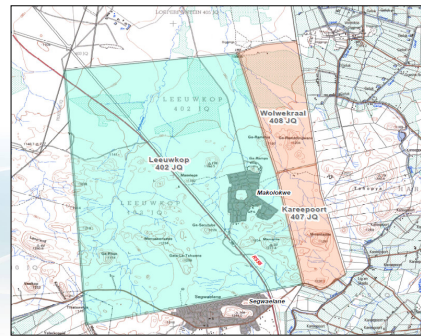
## PROJECT OVERVIEW

- The Leeuwkop mine is currently being developed on the farm Leeuwkop 402JQ by Afplats (Pty) Ltd (Afplats) in accordance to its approved EMP
- Afplats is proposing to amend the approved EMP to cater for changes to the planned infrastructure:
  - A deeper shaft and a change in mining method
  - Increase workforce
  - A new waste rock dump
  - The use of tailings backfilling material for support
  - Expansion of the sewage treatment plant
  - Expansion of water management facilities
  - Development of new water holding facilities
  - Change in the planned routing of the access road around the shaft area and increase of future parking area
  - Incorporation of the farms Wolvekraal 408JQ and Kareepoort 407JQ into the mining right. No infrastructure is planned on these farms.

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## LOCAL SETTING



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## ENVIRONMENTAL PROCESS (1)

### What?

- Assessment of the potential impacts of the proposed project on the environment
- Environment definition (water, soils, air etc)
- Implementing appropriate management measures

### Why?

- Legal requirement
- It is the right thing to do

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## ENVIRONMENTAL PROCESS (2)

### How?

- Participation of interested and affected parties
- Specialist investigations
- Reporting (Scoping, EIA and EMP report; WULA)
- Decision making

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## ENVIRONMENTAL PROCESS (3)

### Who makes the decisions:

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

### Local authorities

- Rustenburg Local Municipality
- Madibeng Local Municipality
- Bojanala District Municipality

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## ENVIRONMENTAL PROCESS (4)

### Different stages

- Scoping phase
- Environmental Impact Assessment and Environmental Management Programme (EIA and EMP) phase
- Amendment of the Water Use License

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## ENVIRONMENTAL PROCESS (5)

### The purpose of today's meeting

- Understand the process
- Provide information on proposed project
- Provide overview of existing status of environment
- Provide information on potential impacts
- Raise and record environmental issues
- Identify possible specialist investigations.

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## ENVIRONMENTAL PROCESS (6)

### How does this help you?

### Scoping report

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

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## STATUS OF THE EXISTING ENVIRONMENT(1)

- **Geology:** Afplats is situated in the Bushveld Igneous Complex which is an intrusive igneous body.
- **Climate:** Middle veld climatic zone. Mild climate with the rainy season occurring between November and February. Annual precipitation is approximately 658 mm/year. Wind direction is south-west.
- **Topography:** Undulating terrain interspersed with granite hills averaging 100m in height.
- **Soils:** Various soil types and structured forms associated with high clay percentages occur within the project area
- **Land use:** Mixture of agricultural activities such as crop cultivation and grazing.
- **Animal life:** Existing disturbance from mining activities in the area has resulted in the fragmentation of the natural veld. Approximately 92 animal species are likely to occur within the Leeuwkop site, this includes mammals, herpetofauna and birds.

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## STATUS OF THE EXISTING ENVIRONMENT(2)

- **Plant life:** Mixture of trees and grass species that are typical of the Gabbo Thornveld.
- **Groundwater:** The proposed study area is situated on fractured rock aquifers. The depth of groundwater levels varies between 0 and > 90 m below surface.
- **Surface water:** The Leeuwkop mine is located within Crocodile catchment. Several non-perennial tributaries occur within the proposed project area, some of which are tributaries of the Tshukutswe River. Water quality is generally poor due to the natural geology.
- **Air quality:** Apart from the current Afplats operations, various mines, industries and activities in the area also contribute to the emission of pollutants. These pollutants include; fugitive dust, mining emissions, biomass burning, household fuel combustion and vehicle tailpipe emissions.

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### STATUS OF THE EXISTING ENVIRONMENT(3)

- **Noise:** Main sources include traffic on the R556, local traffic and communal activities in the settlements of Segwaelane and Makolokwe.
- **Visual:** The overriding visual characteristic is that of a rural environment.
- **Heritage/cultural resources:** Although there are sites of heritage/cultural significance on the farm Leeuwkop 402JQ, there are no sites of significant heritage/cultural resources close to the planned infrastructure
- **Socio-economic:** Segwaelane and Makolokwe are the closest communities to the proposed project area. Mining remains the major formal employment provider.

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### POTENTIAL ENVIRONMENTAL IMPACTS

- Soils (erosion, compacting, soil pollution)
- Biodiversity (loss of fauna and flora)
- Surface water (contamination and drainage pattern alteration)
- Groundwater (dewatering and contamination)
- Air quality (dust emissions)
- Noise impact (increase in disturbing noise levels)
- Visual impacts (negative visual impacts)
- Heritage/cultural resources (Loss of resources)
- Land use (Loss of agricultural land)
- Socio-economic (Positive impacts eg: The change in mining method will result in additional jobs. Negative impacts eg: Influx of people in search of work)
- Safety (hazardous infrastructure and excavations)

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### WAY FORWARD

- Scoping Report public and authority review (August 2012)
  - Scoping report (English): at public venues
  - Summary (English/ Tswana): per post/ e-mail, distribution at community venues
- Suggested venues: Makolokwe tribal office, Segwaelane tribal office and Brits public Library
- Regulatory authorities and IAPs: 40 days to submit comments
- Conduct specialist investigations and complete EIA
- Stakeholder feedback meetings in EIA Phase and opportunity to review EIA and EMP report

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### OPPORTUNITY TO RAISE ISSUES AND CONCERNS

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CLOSE

THANK YOU FOR YOUR TIME!

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**AFPLATS (PTY) LTD  
MINUTES OF SEGWAELANE FOCUS GROUP MEETING**

<b>DATE</b>	Wednesday, 18 July 2012 @ 12h00
<b>VENUE:</b>	Segwaelane Community Hall
<b>PROJECT:</b>	Leeuwkop EIA and EMP Amendment
<b>PROJECT NUMBER:</b>	710.01002.00011
<b>PURPOSE:</b>	The purpose of the focused group meeting was to: <ul style="list-style-type: none"> <li>• Understand the environmental process</li> <li>• Provide information on the proposed project</li> <li>• Provide an overview of the existing status of the environment</li> <li>• Provide information on potential impacts</li> <li>• Raise and record environmental issues</li> <li>• Identify possible specialist investigations.</li> </ul>
<b>APOLOGIES</b>	No apologies
<b>ATTENDANCE:</b>	See attendance register attached in Appendix 1.

**1. OPEN AND INTRODUCTION**

Webster Diale (WD) from Afplats (Pty) Ltd (Afplats) opened the meeting, welcoming all delegates present at the meeting. Following this, Carol Hooghiemstra (CH) from Iliso Consulting (Iliso) introduced herself as the sub-consultant for the public participation process and introduced the project team as follows:

Webster Diale	(WD)	:	Afplats
Karools van Wyk	(KVV)	:	Afplats
Natasha Daly	(ND)	:	SLR Consulting (Africa) (Pty) Ltd (SLR)
Carol Hooghiemstra	(CH)	:	Iliso
Ntsako Baloyi	(NB)	:	SLR
Annalene van Zyl	(AVZ)	:	Iliso

Following the introduction the meeting was facilitated by CH, with NB presenting the technical project information in Setwana.

**2. PRESENTATION**

(NB) gave a presentation on the proposed amendment of the changes to the planned infrastructure. A copy of the presentation is attached in Appendix 2.

### 3. DISCUSSION

All issues and concerns raised during the meeting have been recorded in Table 1 below. Where a response was provided the response has also been included.

**Table: Issues and concerns raised by IAPs**

Issue	Raised by whom	Response provided
<b>Procedural issues</b>		
A meeting such as this should be held before the project is started.	Molefi Ngobeni	Prior to the mine development, Afplats started with the public participation process during 2006. Meetings were held at Segwaelane and Makolokwe, both with the community members as well as traditional authorities. The community has been engaged since the beginning of the project. This meeting is being held as Afplats is proposing to amend its existing approved EMP. In terms of the law a separate public consultation process (in addition to that undertaken previously) is required. Communities are therefore being consulted a second time with regards to the proposed amended infrastructure. Afplats will note the concern that some community members require more information and communication. In addition to this, all delegates should ensure that they complete the attendance register in order to ensure that their details are recorded on the stakeholder database (CH).
Is this a new process since the previous process?	Counsellor Diana Mamogwe	This is separate from the first process. This is an amendment to the previous approved EMP process (KVV).
SLP consultation meetings should happen every month. Not with Webster Diale, but with somebody that is dealing with economic development. We need more than just community liaisons.	Brilliant X	Afplats has noted this issue and will provide a response (CH).
Want to clarify that we are affected IAP's.	Counsellor Diana Mamogwe	Afplats has noted your concern. All delegates should ensure that they complete the attendance register so that they are registered on the stakeholder database (CH).
<b>Technical/project related issues</b>		
In which direction will the shaft be sunk? Do they sink the shaft North, South, West or East? I am concerned that Afplats will go close to the community should they go underground.	Counsellor Diana Mamogwe	According to its Mining License, Afplats is only permitted to mine within the specific area underground. Afplats will mine towards the north and therefore the mining will move further away from the Segwaelane community (KVV).
Would it be possible to arrange a site visit to go underground?	Mabel Shoilang	Any requests for a site visit should be taken up with Webster Diale who will then need to get the necessary permission from the mine manager (KVV).
What method is used to go	Counsellor Diana	A winder is used. This is also known as a



<b>Issue</b>	<b>Raised by whom</b>	<b>Response provided</b>
underground?	Mamogwe	hoisting machine which has attachments and a conveyor (KVV).
Please confirm that there won't be any opencast mining. Lomin is doing opencast mining when their agreement is not to do open cast.	Molefi Ngobeni	There will never be open cast operations at Afplats. The reef is 800m below the surface and as such it is too deep to mine using open cast methods (KVV).
When will the drilling be done?	Counsellor Diana Mamogwe	The drilling is close to being completed (KVV).
It is all good and well that we are being consulted but we are concerned that the contactors are not hiring local people.	Victor Siba	Afplats has noted your concern. A response will be provided (CH).
Is the project going to affect the farms or mountains on Wolwekraal and Karreepoort?	Counsellor Diana Mamogwe	Currently there is no surface infrastructure planned for the farm. It will only be underground.
<b>Air quality</b>		
The community also complains about dust. Sometimes the mine does use water to suppress the dust, but sometimes the mine forgets. This issue needs to be resolved. People are getting sick and we therefore request that this issue is resolved quickly.	Brilliant X	Afplats has noted this issue and will provide a response (CH).
We are concerned about the tailings dam that will be built at Leeuwkop. We are currently experiencing high levels of dust from Lonmin's tailings dam and surely building one at Leeuwkop will affect us? There is a lot of wind and dust. Please can something be done about the dust issue.	Counsellor Diana Mamogwe	Afplats has noted this issue. The Leeuwkop tailings dam will be on Molokwe's side and it is across the road. Furthermore, the tailings dam will only be built in 2022. It is a legal requirement to control the dust and Afplats is therefore committed to do so (CH and KVV)
<b>Noise</b>		
Noise is an issue for Segwaelane community members. The noise levels at Segwaelane are high at night. The community members are complaining about the noise that the people at Afplats are making and therefore people cannot sleep.	Brilliant X	Afplats has noted this issue and will provide a response (CH)
Even at night there is a lot of noise.	Mabel Shoilang	
I am concerned about noise along the R556. The amendment to the mine will attract more traffic and people to come and work here, and this will contribute to more noise. Some people are Sotho speaking at the hostel and they sing a lot at night and make a lot of noise and it disturbs the community.	Molefi Ngobeni	
<b>Blasting issues</b>		
I am concerned about blasting. The houses shake during the blasting and as a result our houses crack.	Suzan James	Afplats has noted this issue and will provide a response (CH)
Does the blasting come from the surface or underground? I am concerned that our houses will break	Counsellor Diana Mamogwe	Blasting takes place underground. The mine has monitoring points in the vicinity of the Segwaelane area. By law, all blasts are

Issue	Raised by whom	Response provided
down.		monitored and DMR at any time can request the data of these blasts. Records show that the blasts are within the legal limits. The deeper the blasting, the less effect (in terms of noise and vibrations) to sensitive receptors (CH and KVW).
Monitored blasting varies between what the communities are feeling to what the mine says the legal limit is. We need to develop a complaints register so that everytime a blast is felt and we feel that it is above what should be allowed, this will be recorded.	Victor Siba	Afplats has noted this concern. WD is responsible for handling issues and complaints such as these. Please note there is already a complaints register at the mine (CH).
<b>Heritage issues</b>		
I am concerned about heritage resources. Your statement that there are no heritage resources is incorrect	Counsellor Diana Mamogwe	A heritage study was conducted and completed in June 2012. No graves or heritage resources are located within the footprint area of the proposed planned infrastructure (CH).
Explain more about the graves.	William Masilo	
<b>Surface water</b>		
Are there any dangerous chemicals present in the water on site?	William Masilo	While some dams do contain sludge, there are no chemicals on site (CH). Furthermore, the water control system at the mine is designed as a closed system and therefore no water will be discharged. All the water on site is treated and re-used within the mine (KVW).
<b>Socio-economic: Community benefits</b>		
What are our benefits, given that we are an affected community?	Mabel Shoilang	Afplats has noted this issue and a response will be formulated (CH).
<b>Socio-economic: Influx of people</b>		
No squatter are located around our villages. We won't allow any.	Molefi Ngobeni	Your comment is noted by Afplats (KVW).
<b>Land use</b>		
Before the mine was built, people would be baptised at a church which were located close to the mine. Given that the mine has been developed, this is not happening anymore. People have to travel long distances which is costly to them.	Brilliant X	It was arranged during the meeting that Afplats would be shown exactly where these baptismal ceremonies previously took place (CH).
Spring water was used for the baptisms. We do not see the people going there anymore.	Counsellor Diana Mamogwe	

#### 4. THE WAY FORWARD

The way forward was outlined as follows:

- Summaries of the Scoping Report will be posted/emailed and/or distributed at community venues to all IAPs and regulatory authorities registered on the project's database in August 2012.
- All scoping summary documents will be made available in English and Tswana.
- Full copies of the scoping reports will be made available at the Makolokwe tribal office, Segwaelane tribal office and Brits public Library for public review.
- IAPs will be given 40 days to review the scoping report and submit comments

- Following the review of the scoping report, specialist investigations will be conducted where required.
- Once the specialist studies and the EIA and EMP report has been completed, full copies of the EIA and EMP report as well as summaries will be made available for public review and comment by IAPs and regulatory authorities for 40 days.
- Feedback meetings will be arranged during the EIA and EMP review period to assist IAPs with the review of the EIA and EMP report.

## **5. CLOSE**

CH thanked all delegates for attending and closed the meeting at 13h20.

## APPENDIX 1: ATTENDANCE REGISTER

Name	Interest	Postal address	Tel, Fax, Email
AW Diale	Afplats	PO Box 7761 Rustenburg 0300	014 5928326 086 7168699 (F) 082 9045324 <a href="mailto:Webster.diale@implats.co.za">Webster.diale@implats.co.za</a>
Diana Mamogwe	Madibeng Ward CUR	0234B Taung Sec Segwaelane Box 120	-
Josephine Mogoahle	Ward Committee Member	0690F Marabisec Segwaelane Box 204	-
Mabel Shoilang	Stakeholder	0966HI Dithabeng Segwaelane 0276	0783095341 -
Victor Siba	Segwaelane Development Committee	0521E Terminus Segwaelane 0276	073 3423931 -
Obed Mokomele	Kgosana	Kgosana	072 1941922 -
Bebetseba	Counsellor	Segwealane	071 0845074 -
Michael Mokate	Segwaelane Sub- Council	Pox 3838 Brits	083 3518987 <a href="mailto:khumom@motla.co.za">khumom@motla.co.za</a>
Margaret Yoate	Segwaelane Sub- Council	Segwealane	076 7434086 -
Lena Mokoka	Segwaelane CM	PO Box 406 Segwaelane 0276	073 0323988 -
Pricilla Maloko	Segwaelane Sub- Council	-	082 7685447 -
William Masilo		0257c Segwaelane 0276	079 2550017 -
Molefi Ngobeni	Ward Committee Ward 32	PO Box 2891 Brits 0250	014 5713459 086 5082672 (F) 073 1499419 <a href="mailto:Molefi.ngobeni@lonmin.com">Molefi.ngobeni@lonmin.com</a>
Suzan James	Ward Committee	0944HH PO Box 183 Segwaelane 0726	082 5834435 -
BrilliantX	Ward Committee	0866H Segwaelane	073 591638 <a href="mailto:brilliantx@live.co.za">brilliantx@live.co.za</a>
AJ van Wyk	Afplats	-	083 2360055 <a href="mailto:Karools.vanwyk@implats.co.za">Karools.vanwyk@implats.co.za</a>
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Ntsako Baloyi	SLR	PO Box 1596 Cramerview 2060	014 4670945 014 4670978 (F) 082 4724919 <a href="mailto:nbaloyi@slrconsulting.com">nbaloyi@slrconsulting.com</a>

**APPENDIX 2: PRESENTATION**



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**AFPLATS (Pty) Ltd**

**PROPOSED LEEUWKOP EMP  
AMENDMENT**

**SCOPING PHASE STAKEHOLDER  
ENGAGEMENT** July - AUGUST 2012

## AGENDA

- Registration
- Welcome and opening
- Project overview
- Environmental process overview
- Status of the existing environment
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- Close

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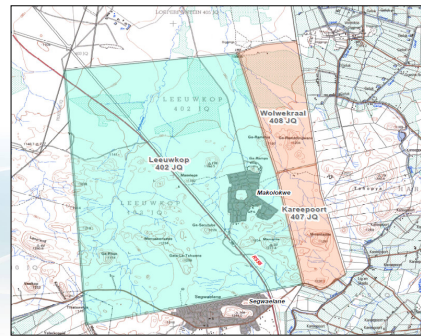
## PROJECT OVERVIEW

- The Leeuwkop mine is currently being developed on the farm Leeuwkop 402JQ by Afplats (Pty) Ltd (Afplats) in accordance to its approved EMP
- Afplats is proposing to amend the approved EMP to cater for changes to the planned infrastructure:
  - A deeper shaft and a change in mining method
  - Increase workforce
  - A new waste rock dump
  - The use of tailings backfilling material for support
  - Expansion of the sewage treatment plant
  - Expansion of water management facilities
  - Development of new water holding facilities
  - Change in the planned routing of the access road around the shaft area and increase of future parking area
  - Incorporation of the farms Wolvekraal 408JQ and Kareepoort 407JQ into the mining right. No infrastructure is planned on these farms.

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## LOCAL SETTING



Legend  
 Area To Be Included Into Mining Right  
 Approved Mining Right Area

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## ENVIRONMENTAL PROCESS (1)

### What?

- Assessment of the potential impacts of the proposed project on the environment
- Environment definition (water, soils, air etc)
- Implementing appropriate management measures

### Why?

- Legal requirement
- It is the right thing to do

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## ENVIRONMENTAL PROCESS (2)

### How?

- Participation of interested and affected parties
- Specialist investigations
- Reporting (Scoping, EIA and EMP report; WULA)
- Decision making

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## ENVIRONMENTAL PROCESS (3)

### Who makes the decisions:

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

### Local authorities

- Rustenburg Local Municipality
- Madibeng Local Municipality
- Bojanala District Municipality

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## ENVIRONMENTAL PROCESS (4)

### Different stages

- Scoping phase
- Environmental Impact Assessment and Environmental Management Programme (EIA and EMP) phase
- Amendment of the Water Use License

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## ENVIRONMENTAL PROCESS (5)

### The purpose of today's meeting

- Understand the process
- Provide information on proposed project
- Provide overview of existing status of environment
- Provide information on potential impacts
- Raise and record environmental issues
- Identify possible specialist investigations.

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## ENVIRONMENTAL PROCESS (6)

### How does this help you?

### Scoping report

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

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## STATUS OF THE EXISTING ENVIRONMENT(1)

- **Geology:** Afplats is situated in the Bushveld Igneous Complex which is an intrusive igneous body.
- **Climate:** Middle veld climatic zone. Mild climate with the rainy season occurring between November and February. Annual precipitation is approximately 658 mm/year. Wind direction is south-west.
- **Topography:** Undulating terrain interspersed with granite hills averaging 100m in height.
- **Soils:** Various soil types and structured forms associated with high clay percentages occur within the project area
- **Land use:** Mixture of agricultural activities such as crop cultivation and grazing.
- **Animal life:** Existing disturbance from mining activities in the area has resulted in the fragmentation of the natural veld. Approximately 92 animal species are likely to occur within the Leeuwkop site, this includes mammals, herpetofauna and birds.

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## STATUS OF THE EXISTING ENVIRONMENT(2)

- **Plant life:** Mixture of trees and grass species that are typical of the Gabbo Thornveld.
- **Groundwater:** The proposed study area is situated on fractured rock aquifers. The depth of groundwater levels varies between 0 and > 90 m below surface.
- **Surface water:** The Leeuwkop mine is located within Crocodile catchment. Several non-perennial tributaries occur within the proposed project area, some of which are tributaries of the Tshukutswe River. Water quality is generally poor due to the natural geology.
- **Air quality:** Apart from the current Afplats operations, various mines, industries and activities in the area also contribute to the emission of pollutants. These pollutants include; fugitive dust, mining emissions, biomass burning, household fuel combustion and vehicle tailpipe emissions.

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### STATUS OF THE EXISTING ENVIRONMENT(3)

- **Noise:** Main sources include traffic on the R556, local traffic and communal activities in the settlements of Segwaelane and Makolokwe.
- **Visual:** The overriding visual characteristic is that of a rural environment.
- **Heritage/cultural resources:** Although there are sites of heritage/cultural significance on the farm Leeuwkop 402JQ, there are no sites of significant heritage/cultural resources close to the planned infrastructure
- **Socio-economic:** Segwaelane and Makolokwe are the closest communities to the proposed project area. Mining remains the major formal employment provider.

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### POTENTIAL ENVIRONMENTAL IMPACTS

- Soils (erosion, compacting, soil pollution)
- Biodiversity (loss of fauna and flora)
- Surface water (contamination and drainage pattern alteration)
- Groundwater (dewatering and contamination)
- Air quality (dust emissions)
- Noise impact (increase in disturbing noise levels)
- Visual impacts (negative visual impacts)
- Heritage/cultural resources (Loss of resources)
- Land use (Loss of agricultural land)
- Socio-economic (Positive impacts eg: The change in mining method will result in additional jobs. Negative impacts eg: Influx of people in search of work)
- Safety (hazardous infrastructure and excavations)

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### WAY FORWARD

- Scoping Report public and authority review (August 2012)
  - Scoping report (English): at public venues
  - Summary (English/ Tswana): per post/ e-mail, distribution at community venues
- Suggested venues: Makolokwe tribal office, Segwaelane tribal office and Brits public Library
- Regulatory authorities and IAPs: 40 days to submit comments
- Conduct specialist investigations and complete EIA
- Stakeholder feedback meetings in EIA Phase and opportunity to review EIA and EMP report

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### OPPORTUNITY TO RAISE ISSUES AND CONCERNS

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**CLOSE**

**THANK YOU FOR YOUR TIME!**

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**AFPLATS (PTY) LTD  
MINUTES OF MAKOLOKWE FOCUS GROUP MEETING**

<b>DATE</b>	Thursday, 19 July 2012 @ 09h00
<b>VENUE:</b>	Makolokwe Tribal Council Hall
<b>PROJECT:</b>	Leeuwkop EIA and EMP Amendment
<b>PROJECT NUMBER:</b>	710.01002.00011
<b>PURPOSE:</b>	The purpose of the focussed group meeting was to provide information on: <ul style="list-style-type: none"> <li>• Understand the process</li> <li>• Provide information on proposed project</li> <li>• Provide overview of existing status of environment</li> <li>• Provide information on potential impacts</li> <li>• Raise and record environmental issues</li> <li>• Identify possible specialist investigations.</li> </ul>
<b>APOLOGIES</b>	No apologies
<b>ATTENDANCE:</b>	See attendance register attached in Appendix 1.

**1. OPEN AND INTRODUCTION**

Carol Hooghiemsta welcomed everybody present and introduced the team as follows:-

Webster Diale (WD)	:	Afplats
Karools van Wyk (KvW)	:	Afplats – Leeuwkop Site
Natasha Daly (ND)	:	SLR – Main Consultant
Carol Hooghiemstra (CH)	:	ILISO Consulting – Sub-Consultant
Ntsako Baloyi (NB)	:	SLR
Annalene van Zyl (AvZ)	:	ILISO Consulting

Following the introduction the meeting was facilitated by CH, with ND presenting the technical information in English and NB translating the information in Setswana.

**2. PRESENTATION**

ND gave a presentation on the proposed amendment of the changes to the planned infrastructure. A copy of the presentation is attached in Appendix 2.

**3. DISCUSSION**

All issues and concerns raised during the meeting have been recorded in Table 1 below. Where a response was provided the response has also been included.

**Table 1: Issues raised by representatives**

<b>Issue</b>	<b>Raised by whom</b>	<b>Response provided</b>
<b>Procedural issues</b>		
If the mine finds a new mineral, they must inform the community.	Sydney Molefe	If it happens that the mine finds a new mineral they will have to apply for new authorisations (CH).  It was further explained that Afplats has drilled in this area and no new minerals were identified (KVV).
<b>Air Quality</b>		
Dust is generated and this may be a problem. Dust must be minimised.	Sydney Molefe	The approved Environmental Management Programme is very specific in terms of the measure that must be taken (CH).
<b>Blasting</b>		
Blasting underground was is big issue and what is the impact that it will have on houses.	Linda Moropa	The mine is currently monitoring the blasting. Currently Afplats is 600 m below ground level. The shaft is continuously made deeper and once the shaft is 1.6 km below ground level no blasting will be felt (KVV).
<b>Surface water</b>		
How will the Tshukutswe River be affected? Can the animals drink the water?	Peter Thebethe	The mine will contain runoff water from the site, because the availability of water is an issue (CH). It was further emphasised that the mine is a closed loop system. No water will be discharged from the mine (KVV).
<b>Groundwater</b>		
Will we still have enough water from our boreholes if the new project goes ahead?	Martin More	It is not foreseen that the mine will affect the boreholes (KVV).
<b>Heritage/cultural</b>		
Heritage is a concern and then specifically the graves. This area has a number of graves. Will the graves be marked so that if the mine expands that it will be easy to identify the graves?	Mr More	Procedures will be implemented if a new site is found that was not previously identified. If a grave is found Afplats will stop construction in this area and a heritage specialist will be consulted to assist in handling of the matter (CH).
Can Afplats assist us to demarcate some of our graves?	Mr More	It can be considered (KVV).
Will graves be demarcated and will fences be put around the graves?	Sydney Molefe	This needs to be discussed with Webster Diale (CH). It was further explained that this may become part of the SLP (KVV).
<b>Socio-economic issues: Community benefits</b>		
Are there any social benefits for the communities? What is the mine's Social Responsibilities?	Sydney Molefe	The mine has an approved Social and Labour Plan (SLP). The SLP contains various projects that will be implemented once the funding for the project is approved (CH and KVV).
<b>Land use</b>		
We are experiencing some problems with our crops. Will the mine be able to assist us? Will the mine provide aid if we are struggling with our agricultural activities.	Sydney Molefe	Your request will be noted (CH).

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

The way forward was outlined as follows:

- Summaries of the Scoping Report will be posted/emailed and/or distributed at community venues to all IAPs and regulatory authorities registered on the project's database in August 2012.
- All scoping summary documents will be made available in English and Tswana.
- Full copies of the scoping reports will be made available at the Makolokwe tribal office, Segwaelane tribal office and Brits public Library for public review.
- IAPs will be given 40 days to review the scoping report and submit comments
- Following the review of the scoping report, specialist investigations will be conducted where required.
- Once the specialist studies and the EIA and EMP report has been completed, full copies of the EIA and EMP report as well as summaries will be made available for public review and comment by IAPs and regulatory authorities for 40 days.
- Feedback meetings will be arranged during the EIA and EMP review period to assist IAPs with the review of the EIA and EMP report.

#### **5. CLOSE**

Carol Hooghiemstra thanked everyone for attending and closed the meeting. The meeting adjourned at 10h20.

## APPENDIX 1: ATTENDANCE REGISTER

Name	Interest	Postal address	Telephone		Email/Fax
AW Diale	Afplats	PO Box 7761 Rustenburg 0300	Tel	(041) 5928326	Webster.diale@implats.co.za
			Fax	0867168699	
			Cell	0829045324	
Peter Lebetho	Makolokwe T/Office	PO Box 3974 Brits 0250	Tel		-
			Fax		
			Cell	0835510798	
DBR Morebodi	Makolokwe T/Office	PO Box 4708 Brits 0250	Tel		-
			Fax		
			Cell	0832441095	
Martin K More	Bakwena BA Mogopa TC	104 Makolokwe	Tel		-
			Fax		
			Cell	0784001634	
EM Mosala	Bakwena	220 Mokolokwe	Tel		-
			Fax		
			Cell	0833968127	
TD Mphikwe	Bakwena	292 Mokolokwe	Tel		-
			Fax		
			Cell	0788463022	
PJ Lerethe	Committee	PO Box 77 Bethanie 0270	Tel		-
			Fax		
			Cell	n/a	
Elias	Mokolokwe Ward Committee	PO Box 77 Bethanie 0270	Tel		-
			Fax		
			Cell	0738953004	
Sydney Molefi	Makolokwe Ward Committee Member	PO Box 207 Bethanie 0270	Tel	0815095822	-
			Fax		
			Cell	07315443458	
Linda Moropa	Makolokwe Ward Committee Member	PO Box 23 Mokolokwe 0273	Tel	0839608845	-
			Fax		
			Cell	0815636366	
Joseph Molubi	Makolokwe Ward Committee Member		Tel		-
			Fax		
			Cell	0780094361	
AJ van Wyk	Afplats		Tel		Karools.vanwyk@afplats.co.za
			Fax		
			Cell		
Ntsako Baloyi	SLR	PO Box 1596 Cramerview 2060	Tel	(011) 4670945	nbaloyi@slrconsulting.com
			Fax	(011) 4670978	
			Cell	0824724919	
Natasha Daly	SLR	PO Box 1596 Cramerview 2060	Tel	(011) 4670945	nadaly@slrconsulting.com
			Fax	(011) 4670978	
			Cell	0837268570	
Carol Hooghiemstra	ILISO Consulting	PO Box 68735 Highveld 0169	Tel	(012) 6850900	carol@iliso.com
			Fax	(012) 6651886	
			Cell	0824107280	
Annalene van Zyl	ILISO Consulting	PO Box 68735 Highveld 0169	Tel	(012) 6850900	annalene@iliso.com
			Fax	(012) 6651886	
			Cell	0798969932	
			Cell		

## APPENDIX 2: PRESENTATION



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**AFPLATS (Pty) Ltd**

**PROPOSED LEEUWKOP EMP  
AMENDMENT**

**SCOPING PHASE STAKEHOLDER  
ENGAGEMENT** July - AUGUST 2012

## AGENDA

- Registration
- Welcome and opening
- Project overview
- Environmental process overview
- Status of the existing environment
- Potential impacts
- Way forward for Scoping
- Close

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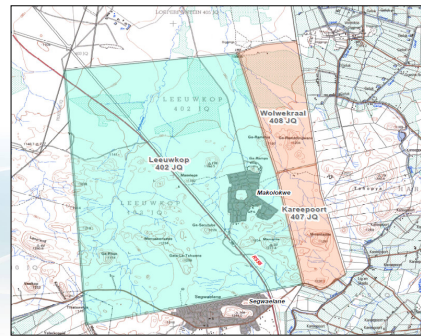
## PROJECT OVERVIEW

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## LOCAL SETTING



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## ENVIRONMENTAL PROCESS (1)

### What?

- Assessment of the potential impacts of the proposed project on the environment
- Environment definition (water, soils, air etc)
- Implementing appropriate management measures

### Why?

- Legal requirement
- It is the right thing to do

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## ENVIRONMENTAL PROCESS (2)

### How?

- Participation of interested and affected parties
- Specialist investigations
- Reporting (Scoping, EIA and EMP report; WULA)
- Decision making

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## ENVIRONMENTAL PROCESS (3)

### Who makes the decisions:

- Department of Mineral Resources (DMR)
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- Department of Water Affairs (DWA)
- Department of Environmental Affairs (DEA)
- Department of Agriculture, Forestry and Fisheries (DAFF)

### Local authorities

- Rustenburg Local Municipality
- Madibeng Local Municipality
- Bojanala District Municipality

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## ENVIRONMENTAL PROCESS (4)

### Different stages

- Scoping phase
- Environmental Impact Assessment and Environmental Management Programme (EIA and EMP) phase
- Amendment of the Water Use License

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## ENVIRONMENTAL PROCESS (5)

### The purpose of today's meeting

- Understand the process
- Provide information on proposed project
- Provide overview of existing status of environment
- Provide information on potential impacts
- Raise and record environmental issues
- Identify possible specialist investigations.

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## ENVIRONMENTAL PROCESS (6)

### How does this help you?

### Scoping report

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

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## STATUS OF THE EXISTING ENVIRONMENT(1)

- **Geology:** Afplats is situated in the Bushveld Igneous Complex which is an intrusive igneous body.
- **Climate:** Middle veld climatic zone. Mild climate with the rainy season occurring between November and February. Annual precipitation is approximately 658 mm/year. Wind direction is south-west.
- **Topography:** Undulating terrain interspersed with granite hills averaging 100m in height.
- **Soils:** Various soil types and structured forms associated with high clay percentages occur within the project area
- **Land use:** Mixture of agricultural activities such as crop cultivation and grazing.
- **Animal life:** Existing disturbance from mining activities in the area has resulted in the fragmentation of the natural veld. Approximately 92 animal species are likely to occur within the Leeuwkop site, this includes mammals, herpetofauna and birds.

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## STATUS OF THE EXISTING ENVIRONMENT(2)

- **Plant life:** Mixture of trees and grass species that are typical of the Gabbo Thornveld.
- **Groundwater:** The proposed study area is situated on fractured rock aquifers. The depth of groundwater levels varies between 0 and > 90 m below surface.
- **Surface water:** The Leeuwkop mine is located within Crocodile catchment. Several non-perennial tributaries occur within the proposed project area, some of which are tributaries of the Tshukutswe River. Water quality is generally poor due to the natural geology.
- **Air quality:** Apart from the current Afplats operations, various mines, industries and activities in the area also contribute to the emission of pollutants. These pollutants include; fugitive dust, mining emissions, biomass burning, household fuel combustion and vehicle tailpipe emissions.

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### STATUS OF THE EXISTING ENVIRONMENT(3)

- **Noise:** Main sources include traffic on the R556, local traffic and communal activities in the settlements of Segwaelane and Makolokwe.
- **Visual:** The overriding visual characteristic is that of a rural environment.
- **Heritage/cultural resources:** Although there are sites of heritage/cultural significance on the farm Leeuwkop 402JQ, there are no sites of significant heritage/cultural resources close to the planned infrastructure
- **Socio-economic:** Segwaelane and Makolokwe are the closest communities to the proposed project area. Mining remains the major formal employment provider.

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### POTENTIAL ENVIRONMENTAL IMPACTS

- Soils (erosion, compacting, soil pollution)
- Biodiversity (loss of fauna and flora)
- Surface water (contamination and drainage pattern alteration)
- Groundwater (dewatering and contamination)
- Air quality (dust emissions)
- Noise impact (increase in disturbing noise levels)
- Visual impacts (negative visual impacts)
- Heritage/cultural resources (Loss of resources)
- Land use (Loss of agricultural land)
- Socio-economic (Positive impacts eg: The change in mining method will result in additional jobs. Negative impacts eg: Influx of people in search of work)
- Safety (hazardous infrastructure and excavations)

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### WAY FORWARD

- Scoping Report public and authority review (August 2012)
  - Scoping report (English): at public venues
  - Summary (English/ Tswana): per post/ e-mail, distribution at community venues
- Suggested venues: Makolokwe tribal office, Segwaelane tribal office and Brits public Library
- Regulatory authorities and IAPs: 40 days to submit comments
- Conduct specialist investigations and complete EIA
- Stakeholder feedback meetings in EIA Phase and opportunity to review EIA and EMP report

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### OPPORTUNITY TO RAISE ISSUES AND CONCERNS

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**CLOSE**

**THANK YOU FOR YOUR TIME!**

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**AFPLATS (PTY) LTD  
MINUTES OF MAKOLOKWE PUBLIC MEETING**

<b>DATE</b>	Thursday, 26 July 2012 @ 16h00
<b>VENUE:</b>	Makolokwe Tribal Council
<b>PROJECT:</b>	Leeuwkop EIA and EMP Amendment
<b>PROJECT NUMBER:</b>	710.01002.00011
<b>PURPOSE:</b>	The purpose of the public group meeting was to provide information on: <ul style="list-style-type: none"> <li>• Understand the process</li> <li>• Provide information on proposed project</li> <li>• Provide overview of existing status of environment</li> <li>• Provide information on potential impacts</li> <li>• Raise and record environmental issues</li> <li>• Identify possible specialist investigations.</li> </ul>
<b>APOLOGIES</b>	No apologies
<b>ATTENDANCE:</b>	See attendance register attached in <b>Appendix 1</b> .

**1. OPEN AND INTRODUCTION**

The Headman of Makolokwe, Mr. More, welcomed everybody time to attend the meeting. The meeting was opened with prayer. Mr More then handed the meeting over to Carol Hooghiemstra.

Carol Hooghiemstra introduced the team as follows:

Carol Hooghiemstra (CH) : ILISO Consulting – responsible for public participation  
 Josephine Krzyzanowska (JK) : Afplats  
 Vernon Anfield (VA) : Afplats  
 Johanna Tau (JT) : Afplats  
 Natasha Daly (ND) : SLR – Main Consultant  
 Stella Moeketse (SM) : SLR – Responsible for translating  
 Annalene van Zyl (AvZ) : ILISO Consulting

CH handed over the meeting to ND to present the technical project information associated with the proposed project. Natasha Daly asked if it was in order for her to continue in English. It was agreed that SM would translate the information into Tswana if there was information that was not understandable. The minutes will be presented in English.

**2. PRESENTATION**

ND gave a presentation on the proposed amendment of the changes to the approved mine infrastructure. A copy of the presentation is attached as Appendix 2.

### 3. DISCUSSION

Any issues and concerns raised during the meeting and the response provided by the project team have been recorded in Table 1.

**Table 1: Issues raised by representatives**

Issue	Raised by whom	Response provided
<b>Procedural issues</b>		
<p>I understand that they are including the two farms into the mining rights area. Are you still going to use the same laws and procedures that you used for the current mining right to almost take their area?</p> <p>Further to this, we are not happy with the authorisation. We understand that they at Makolokwe are the landowners and that everything below the ground belongs to the government. Are you going to use the same laws and procedures to acquire those two farms to obtain the mining rights?</p>	Sydney Mfikoe	The Leeuwkop farm is already approved for their current mining rights and Afplats is allowed to mine within these borders. To include Kareepoort and Wolwekraal a new process is initiated but the laws still remain the same in terms of what Leeuwkop need to comply with. These include the legislation of Department of Environmental Affairs and Department of Mineral Resources and Department of Water Affairs legislation (CH).
I want to understand why we are really here today?	Malmsey Makoena	The project was initiated in 2007 but stopped in 2008. The project was put on hold for two years and restarted in 2010. During this time the mining method was changed and as a result of it the mine will require about 3500 employees instead of initially planned 900. In that two year period when this project was put on hold the mining method was relooked and it was decided to change it because it was not suitable for their need.
If I may ask again, why are you here? What is the real reason that brought you here? I don't know the reason but I am sure there is a reason that brought you here. Please elaborate on that reason.	Siphoquelo	Leeuwkop had an approved Environmental Management Programme (EMP). It was approved in 2006 to start the mine. Since then a lot of things happened. The project was stopped and Afplats relooked at a different mining method. Change of mining method triggered some other changes. The approved EMP must now be amended so that it caters for planed changes to the project. For this reason Leeuwkop must go through this process to amend the approved EMP (VA).
Don't try to use us to get something. It appears that you are just here to get information and you are using us to get that something.	Siphoquelo	We are here to explain the environmental process. If you have a concern that we cannot answer the question will be noted. It is a process that we have to go through which is a legal process (VA). We will note the concern and give feedback (CH).
You have not answer my previous question why are you here?	Malmsey Mokoena	The reason why we are here is part of the Environmental Authorisation process (VA).
He wants to know what is going to happen with all these questions and	Kedibone	Your concerns will be noted and compiled in an issues and response report. The

Issue	Raised by whom	Response provided
comments from today?		issues and response report will form part of the Scoping Report and will be made available to you for 40 days for you to review and see if your comments are correctly noted or not. Then you are welcome to contact us (CH).
What is the current amount of the indemnities you have to submit to the DMR to include the mines at Wolwekraal and Kareepoort what is and how will this be increased?	Rabone Morebodi	It is assumed that you are referring to the financial provision. You must remember in terms of DMR's regulations the financial provision must be reviewed every year. When this is done the amount of money that must be available should be sufficient should the mine be closed immediately to do all the rehabilitation. The revision of financial provision is undertaken on an annual basis (CH).
My concern is pollution. People must be made aware of what might happen or what may go wrong on the mine or what may not go wrong. We must be able to identify when there is a problem so that we can see it. You said there will be underground pollution. How will we know that?		Your concern has been noted (CH).
I suggest that a special seminar be arranged so that we can educate the people on the potential impacts that may occur.		
<p>You informed us that our environment is not in the good condition. Should we get sick in the near future we will know what the cause is because you have told us about air pollution.</p> <p>How are you going to manage the environment that is already degraded?</p>	Malmsey Mokoena	Assessment studies will be undertaken during the EIA phase and if there are any impacts this will be identified and will be addressed by the specialist. The outcome of the studies will be provided to you when the EIA is made available for public review. You will have 40 days to comment on the EIA . A summary document will also go out with the scoping document and the EIA document. Remember those documents are thick and we don't expect everybody to understand everything. Therefore a summary document will be prepared and that will be made available to you. Everybody should make their postal address available should they want to receive these documents (CH).
Please elaborate on the process of EIA. We want to be included in all the steps of the process.		We are in the first phase now. We are communicating with you to get your concerns regarding the project. All your concerns will be noted and it will be written down so by the time we prepare the scoping document you can review it. The scoping document will be made available to you for 40 days for review. Only then will the document be finalised and submitted to DEDECT. You must remember they look at that document to see what the concerns were and what the responses were. You will be notified when the documents

Issue	Raised by whom	Response provided
		<p>are available for your review. The documents will be made available in Makolokwe at the tribal authorities offices. If you have some concerns note it and forward it to us (CH).</p> <p>At the back of the BID document Iliso's contact details are provided. Any concerns may be raised telephonically with ILISO also by fax or email. (CH).</p> <p>The objective of this process is to try and collect your concerns (CH).</p> <p>Once that EIA and EMP documents are submitted to the DMR to be reviewed and it is approved, the EMP becomes a legal document which must be audited every year (CH).</p>
<p>When was the meeting advertised? We only received invitations on Monday. When you look around it is not even the third of the community in this hall.</p>	Solomon	<p>The advertisements were published in the Sowetan and the Brits Pos on the first week of July and that there were various conversations with Mr More. In addition to this, pamphlets were distributed during the focus group meetings held with the Tribal Authorities. A site notice was put up at the gate of the Tribal hall at the same time that the adverts were published in the newspapers (CH).</p>
<b>Project related issues</b>		
<p>In what direction will mining take place? Will it be in the direction of the village or which direction is it?</p>	Thabo Mahuma	<p>Underground mining will take place in the direction of Makolokwe. It should however be noted that the depth at which mining will take place below Makolokwe is about 1.5 km which is very deep and as such the Community will not know that they are mining there because they would not hear, feel or see it at that depth (VA).</p>
<p>You want to include Kareepoort and Wolwekraal farms in the mining rights? Why is the Mine called Leeuwkop mine?</p>		<p>It is called Leeuwkop because the shafts are sunk on the farm Leeuwkop. That is the reason why people refer to the Leeuwkop project. (VA).</p>
<b>Air quality</b>		
<p>There are currently three mines around Makolokwe. All those mine produce dangerous chemicals. If people got sick from dust how will Afplats know whether this sickness is caused by them or the other mines?</p>	Solomon	<p>We will not be able to answer you now. Leeuwkop has been monitoring the dust since they initiated the project and they already accumulated monitoring data (CH). Your comment has been noted and will be handed over to a specialist (VA)</p>
<p>You will not answer me now. I do not expect the answer now as your environmental people must go and identify what would happen if the peoples should get sick because of the 3 mines located around Makolokwe.</p>	Solomon	<p>We can only answer on the behalf of Leeuwkop and not Lonmin or Rovin. Yes Lonmin and Rovin have a tailing storage facility. Leeuwkop will not have a smelter but will have a slimes dam or tailings storage facility (VA).</p>

Issue	Raised by whom	Response provided
<p>My question was to determine whether Afplats have communicated with your partners that also pollute our environment because you are going to pollute our environment but we don't know what kind of chemical you use and how dangerous they are.</p> <p>I don't think you understand my question – my question was there are 3 mines located around Makolokwe. All of these mines are using different chemicals how are you going to determine which one caused the people to become ill.</p>		<p>Afplats is currently monitoring air quality. Afplats have limits to which they need to comply. They cannot exceed these limits and have to submit all the monitoring reports to the DMR and various departments. So they have to control their impact. It should be noted that Afplats is not going to have a smelter at Leeuwkop. We understand your concerns, it will be noted and Leeuwkop will have the specialist to look at that concern (VA).</p>
<b>Blasting</b>		
<p>What is going to happen with the cracking of houses that is caused by blasting?</p>	Sydney Mfikoe	<p>During blasting, the following is done:</p> <ul style="list-style-type: none"> <li>- each and every blast is monitored. Monitoring means that Leeuwkop has equipment stationed around the perimeter of the mine which measure the vibrations and the noise called air-blast.</li> <li>- Blasts are designed so that they are done within limits which means that they have to be designed so that no damages to any infrastructure around the mine occur.</li> <li>- the mine will be an underground mine and we are sinking shafts to reach the ore body. It is not like big open cast mines which use large amounts of explosives. Leeuwkop uses very small quantities of explosives underground.</li> <li>- Makolokwe is situated far away and should not be affected (VA).</li> </ul>
<b>Traffic</b>		
<p>Another issue is that of the roads that you have mentioned. These roads at the intersection of the road R556. We believe it has become very dangerous for us to use the intersection. We believe that the intersection needs to be redesigned or maybe change it to a four way stop. There are no other signs to warn oncoming traffic of the roads and this should maybe put in place.</p>	Reabone Morebodi	<p>The issue that you raised regarding the intersection will be noted (CH).</p>
<p>You have mentioned the redesigning of a road maybe you can elaborate on what you have in mind. Will there be another road? Is it going around the shaft again. Just explain what the concept is.</p>	Reabone Morebodi	<p>The conceptual road from the Sun City road to the mine project was included in the approved EMP. The alignment has now changed slightly. When you do a detailed design you get specifications from the National Roads Agency. When you come to site the area determines the construction of the road. For example there may be</p>

Issue	Raised by whom	Response provided
		banks of rocks which require you to change the route. When you design the road and build the road it is actually 20 m to the left or it has changed from what you have planned in the originally EMPR. So again this is an amendment from what was actually planned and what will be constructed. It is not a new road that we are building it is the existing one that goes to the mine (VA).
<p>I like to address the intersection of the road and Sun City road as a matter of urgency. I have being trying to find out who I can raise my concern with. When you are coming from Makolokwe side you can't see the cars on your right hand side due to the signs that are in the vicinity of the intersection.</p> <p>The second issue of the road is the traffic coming from Sun City side is using the same lane to the exit the road into Makolokwe. The off ramp should start at least more than 500 meters away from that intersection. I would like to suggest alterations to the intersection.</p>	Solomon	Your concern has been noted (CH).
<b>Socio-economic: Community engagement</b>		
<p>I am not sure whether Implats is aware that communication is a huge problem. If there is no communication between the company and the community it is going to result in problems for the project. You will be able to avoid things like strikes by providing us with the information that we need.</p> <p>The representatives that you send us are not doing their job and are not communicating with us. We lack information and that is why you have problems of jobs and stuff like that. If you send us a good person who can communicate to us we will not have problems with jobs because they will be giving the information to us. Although you are providing us with the information right now you must still send somebody to the community. We have endless meetings here but we still have a lack of information. We want to know what is happening at this mine. Provide us with information such as us how far you are. We are interested in the project. You need us and we need you.</p>	Thabo Mahuma	<p>Communication is very important especially for us as a company and for you as a community. We've got a stakeholder communication person Webster Diale. If you want us to communicate on a monthly basis Webster Diale can do that.</p> <p>Webster Diale is in contact with Mr More. If there is anything that you want to know you are welcome to contact him. If you have any concerns please let him know. Everybody has access to him. You've got his telephone number please phone him because he is always available to come and share verbal information with you. Webster Diale will be notified that the community of Makolokwe want more information. He needs to be informed of your issues because he will not know if somebody does not tell him (JT).</p>

Issue	Raised by whom	Response provided
<b>Socio-economic: Employment, community benefits and skills development</b>		
<p>Although local people are allowed to submit CV's at the mine those CV's are not used to employ people. The mine employs whoever they want and not necessarily based on their CV's or qualifications that are outlined on their CV's.</p>	<p>Sydney Mfikoe</p>	<p>Your concern will be noted and feedback will be provided (CH).</p> <p>This is still a project not a mine yet. The mine will only be operational from 2019. That's when Leeuwkop will start hiring more people. There are few people who are currently hired to do minor jobs. It takes time to prepare for mining (JT).</p> <p>The mining will only start in 2019 and will build up to 2026. Currently they are sinking the shaft to get access to the ore body (VA).</p>
<p>How are we going to benefit from the proposed projects?</p>	<p>Malmsey Makoena</p>	<p>The big benefit of this project will be the change in mining method which requires a larger number of job opportunities. He emphasised that the only thing that they must remember is that they have to sink the shaft to a depth of 1 500 m and this will take five or six years. Therefore the mine will only start mining in 2019 and build up to full production in 2026 (VA).</p>
<p>Apparently the mine does have a contractor with the name of G4 who does not employ people from this village. Shaft sinker has only employed about 5% of our community. I understand that the contractors do bring their own specialised people to do the work. The problem is that the contractors do not employ the local people as their labourers which should happen according to the agreement. They would rather use their own unskilled people.</p>	<p>Morake Tlhwaele</p>	<p>When you are doing a big project and you build certain things like the head gear specialists are used to do this specialised work. These people come from all over the country. If companies like G4 are appointed to do the work they come and do it. Other contractors like Platinum Electrical are like G4, they do high voltage substation installations, like Eskom. They are trained and highly specialised people. They only can do that job. To train a person like that takes a long time. Some contracts are long term while others are short term. G4 for instance were appointed to construct the terraces. They are specialists and they are not at the mine for long periods before are finished and off the job again. Shaft sinkers on the other hand, are long term contractors. They sink shafts and they will be there for six or seven years but they also have specialist crews. The work that they are doing is very dangerous and therefore they bring their own crews. All jobs that are currently available are that at shaft sinkers. They will employ the local people where they can until Leeuwkop gets to the point where they actually start mining (VA).</p> <p>We do understand the community's concern and if there are jobs available the contractors will make use of local people. The contractor who constructed the road made use of local people (VA).</p>
<p>I think the biggest concern of most of the people is the issue of jobs and</p>	<p>Reabone Morebodi</p>	<p>Your concern will be noted and feedback will be provided (CH).</p>

Issue	Raised by whom	Response provided
<p>specifically the specialised work that requires specialised people. You need to inform the community how many job opportunities are available and of with this amount this percentage will be specialised employees and the rest will be unskilled employees.</p> <p>This will assist us to determine whether we get what we deserve or not. If this communication is not going to be provided, it results in the community becoming suspicious and we will always be complaining.</p> <p>The second thing is that it is not enough for Afplats to say that the current people are contractors and therefore there are little jobs available for the community. We are partners and shareholders in that mine. I think we deserve to be treated with a bit more respect. What I mean is when contractors come in and do specialised work, they need to be informed of the agreement between us and Afplats regarding employment. This condition doesn't mean we want to interfere with their core work, but Afplats must ensure that they enforce what has been agreed with the Bakwena in terms of employment.</p>		
<p>When I am listening I can hear that the people are not satisfied in terms of employment. This meeting is a mechanism of communication, but it seems like that the mechanism is not working.</p> <p>I do understand that this is a project and I am aware that we are part of it that's why we are here and that the main thing is that at the end of the day there should be a consensus that needs to be reached. That will be able to help all sides.</p> <p>The community members want to know how the current labourers got the jobs on the previous contract. I understand that in the setting up the mine specialists are required, but surely there are also labourers required.</p> <p>Will the study that you are currently doing take into consideration that in</p>	<p>Matshidiso Segale</p>	<p>In terms of you concerns, the following has been noted:</p> <ul style="list-style-type: none"> <li>• as people come in, you want to know what is the employment plan,</li> <li>• how many people are specialist,</li> <li>• how many are not,</li> <li>• what are the job opportunities, and</li> <li>• how are the people going to be employed.</li> </ul> <p>A total plan is needed going forward. We are aware that you are the partners of Afplats and as the community we need to work together (JT).</p>



Issue	Raised by whom	Response provided
<p>future there should be a mechanism put in place that will help to liaise between the employees and the employers. Actually let me not say that employees let me say the partners. Community members need to know who is looking after their interest in the mine. We need to know who to contact if the years go by and no employment is taking place.</p>		
<p>We did medical examinations with Shaft Sinker and they promised us that we will be the first people to get jobs. My red ticket is expiring in October and we are still waiting for jobs.</p>	<p>Matshidiso Segale</p>	<p>Mr More will get a list of all the people that were promised jobs and the type of jobs. Afplats will look into this and provide a response (JT).</p>
<p>You need to know that not everyone could be employed at a particular mine. Some of them could be accommodated somewhere else. The mine has to interact with the members of the community and indicate what opportunities will arise long before those opportunities are actually needed so that people can prepare themselves and be ready to participate in those opportunities. This will ensure that we deal with the issue of job creation and employment.</p>	<p>Reabone Morebodi</p>	<p>Your concern has been noted (CH).</p>
<p>Next time when you attend the meeting please bring someone with who is responsible for recruitment. We are not happy about the way people are employed. Webster always takes the CVs but yet they still hire people that don't stay around here. Even for the simple jobs such as cleaning. Sometimes we find out that only selected people go for an interview more than once while others are not even considered.</p> <p>There are also rumours of bribery from Afplats. The Afplats HR department must come and meet with the community.</p>	<p>Kedibone</p>	<p>Your concern has been noted (CH).</p>
<p>I think that we should also discuss the social labour plan.</p>	<p>Reabone Morebodi</p>	<p>The mine does have a social labour plan in their procurement. The mine will start procuring once it is operational. Please make sure that you have registered your business with Webster (JT).</p>
<p>I don't know how this tie up with the Social and Labour Plan. The Bakwena didn't have an input in to SLP.</p>	<p>Reabone Morebodi</p>	<p>Your concern has been noted (CH).</p>

Issue	Raised by whom	Response provided
What does a mine do in terms of educating children from our community?	Reabone Morebodi	The mine makes bursaries available to students who want to be engineers. At the moment there are four students that got bursaries from the mine. We have just started with learner ships (JT).
When children get a bursary from the mine do you expect them to pay the bursary back?	Sydney Mfikoe	The mine pays your study fees therefore they expect you to work for the mine. If you don't work for Afplats they will expect you to pay back (JT).
What does ILISO Consulting do for the community?  I would like to see ILISO doing something for the community like painting the Tribal hall. If they can do that or something as a benefit to them.	Kedibone	Your concern has been noted (CH).
I would like Afplats to share information with our children regarding bursaries and the criteria that is used to select students for bursaries. They should invite the matriculants and previous matriculants to come and talk to them.		It will be explained to students from grade eight so that they can chose the correct subjects going forward. With your help we will do the career exhibition (JT).
You say your barsuries are for students that have maths and science. Can't you have bursaries for other professions? Not every student will be good in maths and science.		We are now looking at the very scarce professions like accountants. We will be looking at the other professions at a later stage (JT).
<b>Socio economic: Compensation</b>		
You said the wind is blowing south-west and there are local farmers around the mine. Will the mine ensure them against any potential impact that can happen to them as a result of the operations on the mine. For example what if dewatering is taking place and the water is pumped in the nearest stream and the farmer's cattle drinks from that and they die. Or something similar happens will the farmers be able to claim from the mine if the animals drink from your polluted water. If this is the case how would Afplats handle such matter. Will there be insurance for the farmers?	Matshidiso Segale	In terms of the previous EIA, Afplats is a closed circuit mine and therefore no water is going to be discharged. Afplats does not have enough water. They need to keep all the water that falls onto their shaft area or on the mine so that they will be able to use this water on the mine. There will be no discharging into the streams (CH).
<b>Socio-economic: Housing</b>		
I know that there is not going to be housing for example for the employees at this stage, there is a suggestion that this might change where we are we in that particular aspect?	Reabone Morebodi	This is a good point and is noted (CH).

Issue	Raised by whom	Response provided
<b>Socio-economic: Well-being, influx of people</b>		
Amongst others you must indicate that there will be a number of social impacts arising as a result of the mine being in the area here. But we note it as part of any change along with economic developments. How is Afplats planning to deal with those social impacts that will remain long after the mine has closed and stopped working? Please address the issue so that it can be prevented.	Reabone Morebodi	This is a good point and is noted (CH).

#### 4. THE WAY FORWARD

The way forward was outlined as follows:

- Summaries of the Scoping Report will be posted/emailed and/or distributed at community venues to all IAPs and regulatory authorities registered on the project's database in August 2012.
- All scoping summary documents will be made available in English and Tswana.
- Full copies of the scoping reports will be made available at the Makolokwe tribal office, Segwaelane tribal office and Brits public Library for public review.
- IAPs will be given 40 days to review the scoping report and submit comments
- Following the review of the scoping report, specialist investigations will be conducted where required.
- Once the specialist studies and the EIA and EMP report has been completed, full copies of the EIA and EMP report as well as summaries will be made available for public review and comment by IAPs and regulatory authorities for 40 days.
- Feedback meetings will be arranged during the EIA and EMP review period to assist IAPs with the review of the EIA and EMP report.

#### 5. CLOSE

Carol Hooghiemstra thanked everyone for attending and closed the meeting. The meeting adjourned at 18H40.

**APPENDIX 1: ATTENDANCE REGISTER**

Name	Interest	Postal address	Telephone		Email/Fax
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Thabo Mahuma	Private	House No 214 Makolokwe	Tel		
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			Cell	0727337539	
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			Cell	0785923276	
P.JE			Tel		
			Fax		
			Cell		
Aaron Molopyane		39N Makolokwe	Tel		
			Fax		
			Cell		
Daniel Mathibe		347 Makolokwe	Tel		
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			Cell		
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Saul Tiholoe			Tel Fax Cell 0746141419	
Elsie Modirapold		47 Makolokwe	Tel Fax Cell 0710549332	
BK Matjila		356 Kipton Section	Tel Fax Cell 0781332399	
F Kgasi		196 Makolokwe	Tel Fax Cell 073038552	
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Elias Kunene		PO Box 356 Brits	Tel Fax	

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			Cell	0734052990	
A Lebethe			Tel		
			Fax		
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			Fax		
			Cell		
Masilo Daniel			Tel		
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			Cell	0738550988	
Thabang Phetlhe		371 Makolokwe 0273	Tel		
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B Mabaso		PO Box 43 Makolokwe 0273	Tel		
			Fax		
			Cell	0766372900	
M Nthodi		PO Box 55 Marikana 0274	Tel		
			Fax		
			Cell	0791557890	
P Mannathoka			Tel		
			Fax		
			Cell	0718165931	
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			Cell	0788786430	
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			Cell		
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Johanna Tau	Implats	PO Box 5683 Rustenburg 0300	Tel		<a href="mailto:Johanna.tau@implats.co.za">Johanna.tau@implats.co.za</a>
			Fax		
			Cell	0828045226	
AJ van Wyk	Afplats		Tel		<a href="mailto:Karools.vanwyk@afplats.co.za">Karools.vanwyk@afplats.co.za</a>
			Fax		
			Cell		
Stella Moeketse	SLR		Tel	(011) 4670945	<a href="mailto:smoeketse@slrconsulting.com">smoeketse@slrconsulting.com</a>
			Fax	(011) 4670978	
			Cell		
Natasha Daly	SLR	PO Box 1596 Cramerview 2060	Tel	(011) 4670945	<a href="mailto:nadaly@slrconsulting.com">nadaly@slrconsulting.com</a>
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Carol Hooghiemstra	ILISO Consulting	PO Box 68735 Highveld 0169	Tel	(012) 6850900	<a href="mailto:carol@iliso.com">carol@iliso.com</a>
			Fax	(012) 6651886	
			Cell	0824107280	

Name	Interest	Postal address	Telephone		Email/Fax
Joseph Masilela	ILISO Consulting	PO Box 68735 Highveld 0169	Tel	(012) 6850900	joseph@iliso.com
			Fax	(012) 6651886	
			Cell	0835652395	
Annalene van Zyl	ILISO Consulting	PO Box 68735 Highveld 0169	Tel	(012) 6850900	annalene@iliso.com
			Fax	(012) 6651886	
			Cell	0798969932	
			Fax		
			Cell		



## APPENDIX 2: PRESENTATION



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**AFPLATS (Pty) Ltd**

**PROPOSED LEEUWKOP EMP  
AMENDMENT**

**SCOPING PHASE STAKEHOLDER  
ENGAGEMENT** July - AUGUST 2012

## AGENDA

- Registration
- Welcome and opening
- Project overview
- Environmental process overview
- Status of the existing environment
- Potential impacts
- Way forward for Scoping
- Close

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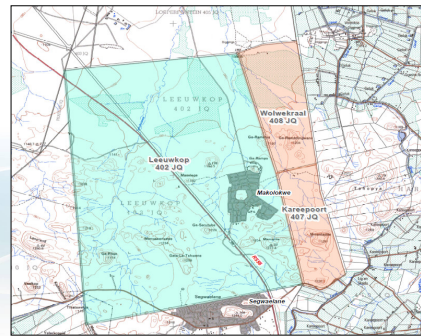
## PROJECT OVERVIEW

- The Leeuwkop mine is currently being developed on the farm Leeuwkop 402JQ by Afplats (Pty) Ltd (Afplats) in accordance to its approved EMP
- Afplats is proposing to amend the approved EMP to cater for changes to the planned infrastructure:
  - A deeper shaft and a change in mining method
  - Increase workforce
  - A new waste rock dump
  - The use of tailings backfilling material for support
  - Expansion of the sewage treatment plant
  - Expansion of water management facilities
  - Development of new water holding facilities
  - Change in the planned routing of the access road around the shaft area and increase of future parking area
  - Incorporation of the farms Wolvekraal 408JQ and Kareepoort 407JQ into the mining right. No infrastructure is planned on these farms.

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## LOCAL SETTING



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## ENVIRONMENTAL PROCESS (1)

### What?

- Assessment of the potential impacts of the proposed project on the environment
- Environment definition (water, soils, air etc)
- Implementing appropriate management measures

### Why?

- Legal requirement
- It is the right thing to do

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## ENVIRONMENTAL PROCESS (2)

### How?

- Participation of interested and affected parties
- Specialist investigations
- Reporting (Scoping, EIA and EMP report; WULA)
- Decision making

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## ENVIRONMENTAL PROCESS (3)

### Who makes the decisions:

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

### Local authorities

- Rustenburg Local Municipality
- Madibeng Local Municipality
- Bojanala District Municipality

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## ENVIRONMENTAL PROCESS (4)

### Different stages

- Scoping phase
- Environmental Impact Assessment and Environmental Management Programme (EIA and EMP) phase
- Amendment of the Water Use License

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## ENVIRONMENTAL PROCESS (5)

### The purpose of today's meeting

- Understand the process
- Provide information on proposed project
- Provide overview of existing status of environment
- Provide information on potential impacts
- Raise and record environmental issues
- Identify possible specialist investigations.

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## ENVIRONMENTAL PROCESS (6)

### How does this help you?

### Scoping report

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

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## STATUS OF THE EXISTING ENVIRONMENT(1)

- **Geology:** Afplats is situated in the Bushveld Igneous Complex which is an intrusive igneous body.
- **Climate:** Middle veld climatic zone. Mild climate with the rainy season occurring between November and February. Annual precipitation is approximately 658 mm/year. Wind direction is south-west.
- **Topography:** Undulating terrain interspersed with granite hills averaging 100m in height.
- **Soils:** Various soil types and structured forms associated with high clay percentages occur within the project area
- **Land use:** Mixture of agricultural activities such as crop cultivation and grazing.
- **Animal life:** Existing disturbance from mining activities in the area has resulted in the fragmentation of the natural veld. Approximately 92 animal species are likely to occur within the Leeuwkop site, this includes mammals, herpetofauna and birds.

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## STATUS OF THE EXISTING ENVIRONMENT(2)

- **Plant life:** Mixture of trees and grass species that are typical of the Gabbo Thornveld.
- **Groundwater:** The proposed study area is situated on fractured rock aquifers. The depth of groundwater levels varies between 0 and > 90 m below surface.
- **Surface water:** The Leeuwkop mine is located within Crocodile catchment. Several non-perennial tributaries occur within the proposed project area, some of which are tributaries of the Tshukutswe River. Water quality is generally poor due to the natural geology.
- **Air quality:** Apart from the current Afplats operations, various mines, industries and activities in the area also contribute to the emission of pollutants. These pollutants include; fugitive dust, mining emissions, biomass burning, household fuel combustion and vehicle tailpipe emissions.

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### STATUS OF THE EXISTING ENVIRONMENT(3)

- **Noise:** Main sources include traffic on the R556, local traffic and communal activities in the settlements of Segwaelane and Makolokwe.
- **Visual:** The overriding visual characteristic is that of a rural environment.
- **Heritage/cultural resources:** Although there are sites of heritage/cultural significance on the farm Leeuwkop 402JQ, there are no sites of significant heritage/cultural resources close to the planned infrastructure
- **Socio-economic:** Segwaelane and Makolokwe are the closest communities to the proposed project area. Mining remains the major formal employment provider.

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### POTENTIAL ENVIRONMENTAL IMPACTS

- Soils (erosion, compacting, soil pollution)
- Biodiversity (loss of fauna and flora)
- Surface water (contamination and drainage pattern alteration)
- Groundwater (dewatering and contamination)
- Air quality (dust emissions)
- Noise impact (increase in disturbing noise levels)
- Visual impacts (negative visual impacts)
- Heritage/cultural resources (Loss of resources)
- Land use (Loss of agricultural land)
- Socio-economic (Positive impacts eg: The change in mining method will result in additional jobs. Negative impacts eg: Influx of people in search of work)
- Safety (hazardous infrastructure and excavations)

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### WAY FORWARD

- Scoping Report public and authority review (August 2012)
  - Scoping report (English): at public venues
  - Summary (English/ Tswana): per post/ e-mail, distribution at community venues
- Suggested venues: Makolokwe tribal office, Segwaelane tribal office and Brits public Library
- Regulatory authorities and IAPs: 40 days to submit comments
- Conduct specialist investigations and complete EIA
- Stakeholder feedback meetings in EIA Phase and opportunity to review EIA and EMP report

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### OPPORTUNITY TO RAISE ISSUES AND CONCERNS

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**CLOSE**

**THANK YOU FOR YOUR TIME!**

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**AFPLATS (PTY) LTD  
MINUTES OF AUTHORITIES FOCUS GROUP MEETING**

<b>DATE</b>	Friday, 27 July 2012 @ 09h00
<b>VENUE:</b>	Afplats - Boardroom
<b>PROJECT:</b>	Leeuwkop EIA and EMP Amendment
<b>PROJECT NUMBER:</b>	710.01002.00011
<b>PURPOSE:</b>	The purpose of the focussed group meeting was to provide information on: <ul style="list-style-type: none"> <li>• Understand the process</li> <li>• Provide information on proposed project</li> <li>• Provide overview of existing status of environment</li> <li>• Provide information on potential impacts</li> <li>• Raise and record environmental issues</li> <li>• Identify possible specialist investigations.</li> </ul>
<b>APOLOGIES</b>	Arlene Dikolomela from Northwest Agriculture Motshabi Mohlalisi from Nature Conservation Phumudzo Nethwadzi from DMR Piet Theron from Agriculture Charles Nemutandani from DWA Thabakgolo Bopape from DWA
<b>ATTENDANCE:</b>	See attendance register attached in <b>Appendix 1</b> .

**1. OPEN AND INTRODUCTION**

Carol Hooghiemsta welcomed everybody present and introduced the team as follows:-

Josephine Krzyzanowska (JK) : Afplats  
Karools van Wyk (KVV) : Afplats – Leeuwkop Site  
Natasha Daly (ND) : SLR – Main Consultant  
Carol Hooghiemstra (CH) : ILISO Consulting – Sub-Consultant for the Public Participation  
Annalene van Zyl (AVZ) : ILISO Consulting

Following the introduction the meeting was facilitated by CH, with ND presenting the technical information regarding the proposed project.

**2. PRESENTATION AND SITE VISIT**

ND gave a presentation on the proposed amendment of the changes to the planned infrastructure. A copy of the presentation is attached in Appendix 2 after which a site visit was undertaken.

### 3. DISCUSSION

All issues and concerns raised during the meeting have been recorded in Table 1 below. Where a response was provided the response has also been included.

**Table 1: Issues raised by the DWA representative**

<b>Issue</b>	<b>Raised by whom</b>	<b>Response provided</b>
<b>Procedural related issues</b>		
Who is the responsible DWA official for this project?	Carol Hooghiemstra	This project has not been allocated to a DWA official yet (Philip Tjale).
I need to clarify which local municipal area the proposed project is located within. The DWA officials are allocated projects based on which municipality they are located within. If the project is located within the Madibeng local municipality the project will be allocated to either Charles Nmutandani or Thabokgolo Bopape. If the project is located within the Rustenburg municipality then the project is allocated to me.	Philip Tjale	The farms Leeuwkop 402JQ, Wolwekraal 408JQ and Kareepoort 407JQ are all located within the Rustenburg municipality (ND).
<b>Water related issues</b>		
All the little issues will be addressed when the DWA assesses the actual application.	Philip Tjale	The EMP document will be a consolidated document so everything that you are supposed to know about Leewukop is in the EMP. New issues which will be raised as part of this amendment will also be included so that you have an overall view of what the potential issues are and how these are going to be addressed, managed and monitored. If you are not satisfied you could always come back to us and say that certain things need to be changed (JK).
Then you should wait until the EMP is available?	Philip Tjale	That would be preferable but if you have a specific concern you should raise it now so that we can address it as part of the EIA process. The scoping report that will be made available for your review will set out how further studies will be undertaken. It should however be noted that Afplats is not going to repeat all of the previous studies because there were a lot of studies done as part of the original EIA and EMP process. We have to keep in mind that only a few studies will be done because the majority of the impacts are not expected to change (JK)
I understand what you are saying. Specialist investigations will only be done for areas that were previously not assessed as part of the original EIA and EMP process.	Philip Tjale	The impact on the groundwater is the most important impact. Therefore it must be confirmed that the outcome of the previous study that was done is still valid (CH).

Issue	Raised by whom	Response provided
How big is the proposed expansion?	Philip Tjale	<p>One of the main new activities of the proposed project is the development of a waste rock dump. As per the original approved EIA and EMP report, less waste would have been generated and as such a waste rock dump was not part of the plan. However due to the proposed change in the mining method additional waste rock needs to be stored on surface. The proposed waste rock dump will cover an area of approximately 20ha. It will be a sophisticated design to ensure that waste rock dumps do not pollute the environment. Part of the process includes the evaluation of all water facilities to ensure that the sizes of the water facilities are sufficient and that the containment of the water will comply with the necessary legislation. This must specifically address the containment of the raw water that will be obtained from the canal and the two week shutdown to ensure that enough water will be available for production. There are other small changes for example the workforce will be increased, therefore the sewage plant capacity must be increased. There will be a small water treatment plant to treat the canal water to the specific standard. The fact that we are expanding our mining right area to include the farms Wolwekraal 408JQ and Kareepoort 407JQ does not have any implications for the water management on site as no infrastructure will be placed on these farms. When you are mining deeper you have to put some support in and we are going to use a tailings mixed with fly ash and other binding agents to make pillars that resemble a concrete structure. (JK)</p>
<p>I am trying to think of all the possible impacts that the expansion may have. I think you should put the possible impacts in the back of your mind and say that you have considered every possible effect that might result from the expansion. This may result from your storm water management facilities and capacities, to the impact the expansion would have on your water balance. I want to know if you will have any impacts on the possible water balance. Because you don't want me to come back to you and say you need to address this.</p>	Philip Tjale	<p>The water balance will be updated as part of the EIA process. It should be noted that the mine is designed to be a closed system and as such no water will be discharged. The plan is for the water on site to be recycled and re-used within the system (JK).</p>

**4. CLOSE**

Carol thanked everyone for attending and closed the meeting. The meeting adjourned at 13H00.

## APPENDIX 1: ATTENDANCE REGISTER

Name	Interest	Postal address	Telephone		Email/Fax
Josephine Krzyzanoskwa	Afplats		Tel		
			Fax		
			Cell		
Phillip Tjale	Department of Water Affairs		Tel		
			Fax		
			Cell		
AJ van Wyk	Afplats	-	Tel		<a href="mailto:Karools.vanwyk@implats.co.za">Karools.vanwyk@implats.co.za</a>
			Fax		
			Cell	0832360055	
N Daly	SLR	PO Box 1596 Cramerview 2060	Tel	(014) 4670945	<a href="mailto:ndaly@slrconsulting.com">ndaly@slrconsulting.com</a>
			Fax	(014) 4670978	
			Cell	0832268570	
Carol Hooghiemstra	ILISO Consulting	PO Box 68735 Highveld 0169	Tel	(012) 6850900	<a href="mailto:carol@iliso.com">carol@iliso.com</a>
			Fax	(012) 6651886	
			Cell	0824107280	
Annalene van Zyl	ILISO Consulting	PO Box 68735 Highveld 0169	Tel	(012) 6850900	<a href="mailto:annalene@iliso.com">annalene@iliso.com</a>
			Fax	(012) 6651886	
			Cell		



## APPENDIX 2: PRESENTATION



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**AFPLATS (Pty) Ltd**

**PROPOSED LEEUWKOP EMP  
AMENDMENT**

**SCOPING PHASE STAKEHOLDER  
ENGAGEMENT** July - AUGUST 2012

## AGENDA

- Registration
- Welcome and opening
- Project overview
- Environmental process overview
- Status of the existing environment
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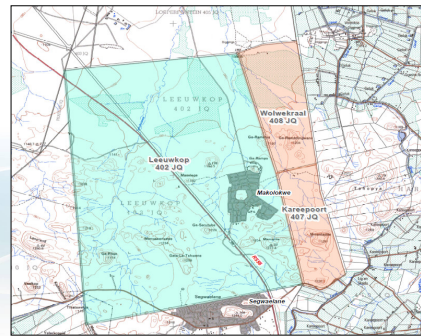
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## LOCAL SETTING



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## ENVIRONMENTAL PROCESS (1)

### What?

- Assessment of the potential impacts of the proposed project on the environment
- Environment definition (water, soils, air etc)
- Implementing appropriate management measures

### Why?

- Legal requirement
- It is the right thing to do

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## ENVIRONMENTAL PROCESS (2)

### How?

- Participation of interested and affected parties
- Specialist investigations
- Reporting (Scoping, EIA and EMP report; WULA)
- Decision making

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## ENVIRONMENTAL PROCESS (3)

### Who makes the decisions:

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

### Local authorities

- Rustenburg Local Municipality
- Madibeng Local Municipality
- Bojanala District Municipality

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## ENVIRONMENTAL PROCESS (4)

### Different stages

- Scoping phase
- Environmental Impact Assessment and Environmental Management Programme (EIA and EMP) phase
- Amendment of the Water Use License

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## ENVIRONMENTAL PROCESS (5)

### The purpose of today's meeting

- Understand the process
- Provide information on proposed project
- Provide overview of existing status of environment
- Provide information on potential impacts
- Raise and record environmental issues
- Identify possible specialist investigations.

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## ENVIRONMENTAL PROCESS (6)

### How does this help you?

### Scoping report

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

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## STATUS OF THE EXISTING ENVIRONMENT(1)

- **Geology:** Afplats is situated in the Bushveld Igneous Complex which is an intrusive igneous body.
- **Climate:** Middle veld climatic zone. Mild climate with the rainy season occurring between November and February. Annual precipitation is approximately 658 mm/year. Wind direction is south-west.
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- **Soils:** Various soil types and structured forms associated with high clay percentages occur within the project area
- **Land use:** Mixture of agricultural activities such as crop cultivation and grazing.
- **Animal life:** Existing disturbance from mining activities in the area has resulted in the fragmentation of the natural veld. Approximately 92 animal species are likely to occur within the Leeuwkop site, this includes mammals, herpetofauna and birds.

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## STATUS OF THE EXISTING ENVIRONMENT(2)

- **Plant life:** Mixture of trees and grass species that are typical of the Gabbo Thornveld.
- **Groundwater:** The proposed study area is situated on fractured rock aquifers. The depth of groundwater levels varies between 0 and > 90 m below surface.
- **Surface water:** The Leeuwkop mine is located within Crocodile catchment. Several non-perennial tributaries occur within the proposed project area, some of which are tributaries of the Tshukutswe River. Water quality is generally poor due to the natural geology.
- **Air quality:** Apart from the current Afplats operations, various mines, industries and activities in the area also contribute to the emission of pollutants. These pollutants include; fugitive dust, mining emissions, biomass burning, household fuel combustion and vehicle tailpipe emissions.

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### STATUS OF THE EXISTING ENVIRONMENT(3)

- **Noise:** Main sources include traffic on the R556, local traffic and communal activities in the settlements of Segwaelane and Makolokwe.
- **Visual:** The overriding visual characteristic is that of a rural environment.
- **Heritage/cultural resources:** Although there are sites of heritage/cultural significance on the farm Leeuwkop 402JQ, there are no sites of significant heritage/cultural resources close to the planned infrastructure
- **Socio-economic:** Segwaelane and Makolokwe are the closest communities to the proposed project area. Mining remains the major formal employment provider.

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### POTENTIAL ENVIRONMENTAL IMPACTS

- Soils (erosion, compacting, soil pollution)
- Biodiversity (loss of fauna and flora)
- Surface water (contamination and drainage pattern alteration)
- Groundwater (dewatering and contamination)
- Air quality (dust emissions)
- Noise impact (increase in disturbing noise levels)
- Visual impacts (negative visual impacts)
- Heritage/cultural resources (Loss of resources)
- Land use (Loss of agricultural land)
- Socio-economic (Positive impacts eg: The change in mining method will result in additional jobs. Negative impacts eg: Influx of people in search of work)
- Safety (hazardous infrastructure and excavations)

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### WAY FORWARD

- Scoping Report public and authority review (August 2012)
  - Scoping report (English): at public venues
  - Summary (English/ Tswana): per post/ e-mail, distribution at community venues
- Suggested venues: Makolokwe tribal office, Segwaelane tribal office and Brits public Library
- Regulatory authorities and IAPs: 40 days to submit comments
- Conduct specialist investigations and complete EIA
- Stakeholder feedback meetings in EIA Phase and opportunity to review EIA and EMP report

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### OPPORTUNITY TO RAISE ISSUES AND CONCERNS

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**CLOSE**

**THANK YOU FOR YOUR TIME!**

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**AFPLATS (PTY) LTD  
MINUTES OF SEGWAELANE PUBLIC MEETING**

<b>DATE</b>	Wednesday, 1 August 2012 @ 16h00
<b>VENUE:</b>	Segwaelane Community Hall
<b>PROJECT:</b>	Leeuwkop EIA and EMP Amendment
<b>PROJECT NUMBER:</b>	
<b>PURPOSE:</b>	The purpose of the focus group meeting was to: <ul style="list-style-type: none"> <li>• Provide information on the process; Understand the process</li> <li>• Provide information on proposed project;</li> <li>• Provide overview of existing status of environment;</li> <li>• Provide information on potential impacts;</li> <li>• Raise and record environmental issues; and</li> <li>• Identify possible specialist investigations.</li> </ul>
<b>APOLOGIES</b>	No apologies
<b>ATTENDANCE:</b>	See attendance register attached in Appendix 1.

**1. OPEN AND INTRODUCTION**

Carol Hooghiemstra welcomed the team and everybody that made time to attend this meeting.

CH introduced the team as follows:

Carol Hooghiemstra (CH)	:	ILISO Consulting – responsible for public participation
Vernon Anfield (VA)	:	Afplats
Johanna Tau (JT)	:	Afplats
Natasha Daly (ND)	:	SLR – Main Consultant
Ntsako Baloyi (NB)	:	SLR – Responsible for translating
Annalene van Zyl (AvZ)	:	ILISO Consulting

Following the introduction the meeting was facilitated by CH, with NB presenting the technical project information in Tswana.

**2. PRESENTATION**

NB gave a presentation on the proposed amendment of the changes to the planned infrastructure. A copy of the presentation is attached in Appendix 2.

**3. DISCUSSION**

Any issues and concerns raised during the meeting and the responses provided by the project team have been recorded in Table 1.

**Table 1: Issues raised by representatives**

<b>Issue</b>	<b>Raised by whom</b>	<b>Response provided</b>
<b>Procedural issues</b>		
I am happy that we are being consulted at this stage because previously they were not consulted this early in the process.	John Nqube	Your comment has been noted (CH).
The other issue is in terms of ownership what is the percentage that the Segwaelane community have on the mine? Where are the Segwaelane royalties going to be paid. The royalties should be paid to the Segwaelane Tribal Council.	Jeffrey	The mineral act regarding royalties changed in 2004 back to the state (VA).
For future references we request that the representatives of the DMR be present in such meetings to answer some of our questions.		Your comment has been noted (CH).
<b>Project related issues</b>		
He noticed that there is a development of a hostel settlement nearby and as a community they are concerned about this. They request that the mine should take their concerns seriously because it seems like they only take Makolokwe and Bethanie concerns are noted and not Segwaelane's. It must be noted that Segwaelane is the closest to the mine.	John Nqube	Your concern has been noted (CH).
There is a septic tank that is actually leaking and has an impact on them because their kids are playing in that area and there are also animals that are grazing in the area. The smell is unbearable. Please take this concern seriously and fix the septic tank it is affecting the community directly.	John Nqube	The septic tank is located at the Shaft Sinkers construction camp and they do monthly inspections. This will be addressed accordingly (VA).
I want to know in which direction the mine is going to mine underground in terms of the growth of the mine. It will hopefully be better in future if the mine, mine is going into the opposite direction.	Sheila Nthadi	The mining underground will move away from Segwaelane and you must also remember that the reef is 800 m to a 1 500 m below the ground. This is very deep that is also why it is going to take so long before we are going to employ people. To sink the shafts to that depth it will until 2019 to get there. So what you are seeing on surface is basically the infrastructure. The mining is underground and is basically 1 km underground (VA).
How long do we have to wait for Mr Diale? You said we must wait for him but the blasting is still caring on.	Victor Baloyi	Mr Diale is back on the 2 <sup>nd</sup> of August 2012. We will note your concern (CH).
What are the measures that are in	Micheal Morare	This is an extension of an existing approved

Issue	Raised by whom	Response provided
<p>place to prevent the impacts on the environment like air pollution in the area when the project start because it doesn't help to wait until people get sick and then come up with a plan. What can we do as a community in helping to protect our environment? We do need a mine but our environment is also very important.</p>		<p>EMP. The mine started in 2006 before anything was planned with monitoring baseline assessments which included the monitoring of soil, monitoring of water and the monitoring of air quality. This is still on-going. Once the mine is in operation they need to determine their impacts. They still have to continue with monitoring water and air quality in order to quantify their impacts. In order to measure something you need to monitor it (CH).</p> <p>When they start the mine they will actually be able to measure their impacts against the baseline to see what is going on now. The impact that is mentioned here is potential impacts that we as consultants foresee when you construct something, for example a waste rock dump. In the EMP you are going to say that you will have an impact on the soil. In order to rehabilitate this impact the soils are going to be removed and stockpiled so that this can be used in rehabilitation. The surface water quality will not be affected because the mine is not going to discharge any water. The mine will be a close loop system. Air quality: the tailings storage facility will only be built in 2022. By that time we will nearly have 20 years data available at the mine (CH).</p> <p>You must remember that the authorities require an audit of their EMP every year When the mine goes through this EIA process they need to compile an EMP which is called an environmental management plan and this is administered by DMR and/or the Department of Economic Development Environment Conservation and Tourism (DEDECT). The mine needs to comply with this document. Once the Scoping document is compiled you will have access to the document. Take the time and go and see if you understand it and if you agree with it. Once the document is approved by the authority the mine must go through an audit every year or every second year it depends on what the authorities state and they need to comply and need to appoint external consultants to do the audit and issues that will be looked at includes implementing a monitoring plan? What does the monitoring plan tell us? Is there an impact – if there is an impact how are you mitigating that impact (CH)?</p> <p>There is a community liaison officer, Mr</p>

Issue	Raised by whom	Response provided
		Diale at Afplats. If you think you could do something to assist him in conserving the environment then you should submit a plan to him. I know that Leeuwkop has a complaints register. You must remember that complaints register is also audited as part of the process (CH).
I can hear that you have answered my question but from our experience, I am sure that the other people are going to agree with me, we've got Eastern Platinum mine here opposite the railway. I am sure that they do their annual audit that says everything is fine, but if the wind comes you will see the dust that contains all this chemicals that comes directly to us. As a community we want to have a say in assessments. We want to be able to raised questions and learn from each other . We want to know as the local people what are the impact from all this operations – we stay here we live here and this affect us. What can we do as the local people to take part in conserving our environment? Is there no other way that the locals can have a hand in making sure that the environment is conserved because the reports does not really reflect what is happening on site. We all know I can also write something that I want my manager to see.	Micheal Morare	Your comment has been noted (CH).
The main issue here is that we always raise complaint. If there is a grievance you must find a way to come up with a resolution. At the end of the day we as locals feel that we are part of this operation even in the rehabilitation of the environment.	Micheal Morare	You will receive a report later in the process, to say this is the concern and this is what we are going to do to address it (VA).
<b>Air quality</b>		
This project is close to Segwaelane and it raise a concern about our health. How will you deal with the dust in future? Chemicals is going to come here – and they are too dangerous.	Dikeledi Monageng	The tailings storage facility will be construction on the other side of the road, 7km from here. It will be closer to Makolokwe and there is not going to be another facility in this area (CH).
<b>Traffic</b>		
Another issue is the access road into Segwaelane that is currently not tarred and this are causing problems. The road produces a lot of dust because it is used by heavy vehicles that are going to the mine. The road is very bad due to potholes. The mine has sprayed the road previously with water but they only do that now	John Nqube	The access road was used initially when the mine was in the beginning phases of constructed but since the new access road to the mine was constructed the Segwaelane road has not been used. This issue will however be looked into (VA).



Issue	Raised by whom	Response provided
if they complain. If they do not complain nothing is done about it.		
The responses that we are getting are not satisfying. We are now told that the mine are no longer using Segwaelane road which are not true.	Jacob Mtwagae	Remember the process that we are following now is because of the amendment to the EMP. We are hearing your concern we are noting them and we will give you feedback during the process. Some concerns need to be discussed with Afplats before a response can be given CH).
<p>The road near the mine which leads from the mine to Segwaelane only works when it is not raining. It was damaged by the mine. Is it possible for the mine to assist in repairing the road so that it is useful again? Because currently it is only working when it is not raining.</p> <p>Outline Road - It is not going to the mine but it is parallel with the mine. The road was used by the EM contractors when they were putting a pipeline</p>	Moses Moloise	We note it and the mine will look into it (CH).
<b>Blasting</b>		
The houses closest to the mine are affected by blasting and are cracking. There was an exercise done when pictures were supposed to be taken but nothing was done since then. I am concerned that the planned expansion of the mine will have additional impacts of blasting on the community.	John Nqube	A blasting survey was undertaken which included taking pictures of the houses. In addition to that, the mine also installed monitoring equipment to measure blast vibrations on a continuous basis. Currently they are falling well within the blasting limits (VA).
My concern is that mine is not hiring now. This means that the contractor is currently doing the operation. So therefore the contractor should be the one who should be answering the questions regarding blasting. We are being affected whether it is the mine or the contractor. Our windows are cracking. When they blast the cutlery and their crockery moves. So do we deal with the contractor or do we deal with the mine so that the impact is minimised.	Benjamin Molemane	You will deal with the mine. There is a process to be followed. If you have a concern then raise it through Webster Diale who is the community liaison officer. There have been complaints in the past and they have been investigated. Due to the complaints the monitoring programme was initiated (VA).
My other concern is what is happening now. I understand you say you are blasting within the limits of the legal requirements. This is all very confusing because it appears that you cannot control the blasting due to the problems being experienced in the community and the affects it has on the community. So far it is happening that the nearest houses are being affected. According to your answer to John	Sheila Nthadi	What we use is a blasting guideline in South Africa which is the US Bureau of Standards guideline which specifies how to design blasts and when you do blasting what the frequency of the wave should be that is going through the ground. The blast vibration should be below a certain limit so that you do not cause damage to structures. Now remember when we blast on the mine's property we've also have structures we do not want to damage. Therefore when we design a blast we

Issue	Raised by whom	Response provided
<p>you are already working within those limits. But you cannot control the impact or the affect it has on us. Even if it is coming from that side it is still going to affect us including our animals. Now that is a serious concern. My fear is that we are not going to be helped regarding the affect blasting has on us because you are saying that you are working within that limits that is required by the mine.</p>		<p>design it so that it is below that frequency that can cause damage. You saying it is noise, we call it air blasts, the same applies and the mine must still remain below that air blast limits. That's why we record and monitor each blast to ensure that we are not going over that limit. We've got all the recordings from when we started blasting and we are way below the required blasting limits. You must also remember the deeper we go down in the mine the less the impacts on the surface. Blasting a kilometre underground will not even be noticeable (VA).</p>
<p>And that shaking when the mine is blasting. This gentlemen on the side is defending the mine because he cannot come here and say they are not impacted during the blasts because he is not living here with us. At the time of blasting I think that it is necessary that the mine is evacuated during the blasting. How much more damages must the village take while they are sinking the shaft. It is a long time to sink a shaft. Which means that the blasting will effect them until 2019. So what will this village look like by 2018/2019.</p>	<p>Sipho Kotsokoane</p>	<p>The issue of the blasting is noted and will be addressed (CH).</p>
<p>The issue of blasting was already raised but I want to add to Benjamin's question. The initial blasting created cracks and there were photographs taken during that time and people actually where promised compensation for that damage at the time. Now you are coming here again with something new without going back to what happened about compensating. This is a concern and I hear the same questions about blasting.</p>	<p>Brilliant X</p>	<p>We note the concerns about blasting (CH).</p>
<b>Socio-economic: Employment and procurement opportunities</b>		
<p>My issue relates to hiring and job opportunities. The community of Segwaelane is not considered at all. It seems like that Makolokwe and Bethanie are the favoured for getting jobs and also the mine like to prioritise people from outside communities as far as from Lesotho and other countries and they want to be considered and they want to be trained in the relevant skills so that as the community nearest to the mine they can also benefit of the development of the mine.</p>	<p>John Nqube</p>	<p>Your issue regarding job opportunities and job creation has been acknowledged. The project will have opportunities but it is not opportunities for now. It is planned for in the future as soon as the whole project is completed and the mine is operational. Currently the shaft is being sunk and high skills are required in sinking a shaft. Shaft Sinkers brought their own specialised working crews.</p> <p>Impala or in this case Afplats, embarked on a training programme where they are training younger people within the communities so that they can obtain the</p>

Issue	Raised by whom	Response provided
		<p>necessary skills that can be used in future and allow them to get jobs on the mine.</p> <p>The community should continue to liaise with Webster Diale and if there are any other issues it can also be raised with him because he is the community liaison officer (JT).</p>
<p>Unemployment is a big concern in the community. What is the recruitment process on the mine? What are the requirements that the mine require in order for a person to qualify for a job on the mine.</p>	Sofia	<p>It should be noted Afplats is currently not hiring anybody. The contactors hire people as and when required. When the shaft sinking is completed and the project is operational the mine will start with the recruitment process (JT).</p>
<p>What are the business opportunities for the local businesses? How can they benefit from the mining project in terms of procurement opportunities as small and growing businesses in the community of Segwaelane</p>	Sofia	<p>Webster Diale has been collecting business plans of potential business opportunities. These are put it into a database so that when the mine is operational and they require certain skills or certain services they can go to the database and get the necessary information from there. This will be used to obtain people or services to fill in the gap. This will also allow the mine to prioritise people who are both skilled and unskilled (JT).</p>
<p>Contractors cannot bring uneducated and unskilled workers from Lesotho work here while our kids are not working we really need to look at that.</p> <p>Much as we appreciate this efforts of you to communicate with community members especially who is most affected we want the key contractor, the shaft sinker to be part of this liberations so if there are discrepancies of information that is not clear or pertaining to some other issues that we raises they must come and provide the feedback.</p>	Jacob Mtwagae	<p>Remember the process that we are following now is because of the amendment to the EMP. We are hearing your concern we are noting them and we will give you feedback during the process. Some concerns need to be discussed with Afplats before a response can be given (CH).</p>
<p>Unemployment is a concern in the community of Segwaelane. I don't feel comfortable or getting the security that our children will in future actually be employed by the mine. We would like to know that there is security in the future that there is sufficient work for everyone.</p>	Sheila Nthadi	<p>Your concern has been noted (CH).</p>
<p>The first issue was the issue of local businesses how do we actually get a vendor number so that we can be register as vendors at the mine? Mr Zwane at the mine is very unfriendly. How do we deal with the process if the procurement is very hostile?</p>	Jeffrey	<p>We will follow up regarding the issue of procurement (JT).</p>

Issue	Raised by whom	Response provided
<p>It is not true to say that the reason people get hired is because they are more skilled than others. Some of the people that get hired are not skilled and then they come back to the communities and brag that they are hired. This causes conflict within the community. So please take the communities serious.</p>	<p>Moses Mkhondo</p>	<p>Your concern has been noted (CH).</p>
<b>Socio-economic: compensation</b>		
<p>Who is liable for damages caused by the contractors? Damages such as house cracks, cracks on the houses and potholes on the road. Instead of taking care of the road they build a very-very nice road for themselves. While they constructed the mine they made their own road for them. Now we have a road with patches and a road which is going to cause some accidents. Several accidents have already happened.</p>	<p>Sipho Kotsokoane</p>	<p>Your concern has been noted (VA).</p>
<p>Who is responsible for the damage (cracks) that are caused by the contractors during blasting? People come here to take photographs of the cracks but they only take few photos. I can show you all the house that were affected. The people of Implats excavated a big hole and this was not back filled when the pipeline was constructed. How are we going to communicate the damages caused by contractors.</p>	<p>Jeffrey</p>	<p>Your concern has been noted (CH).</p>
<p>At this stage we are going back and forth there is going to be a repetition - there are two people that asking one question what is going to happen if you do not answer our questions I am the 3<sup>rd</sup> person that asking this question – who is going to be held responsible for the damages that are being experienced around our village? It is a very serious question. May be in future if you come to us you can come along with all those people who can be able to answer us so that we don't go home with unanswered questions.</p>	<p>Sheila</p>	<p>There are two stages to an environmental impact assessment. The first stage where we are now is called scoping. At scoping level the issues are recorded in the scoping report so that they can be addressed in the next phase which is the impact assessment. You will receive a copy of this report and/or a summary to review and to check whether your issue has been recorded and addressed. If not then you can raise it as a concern.</p> <p>During the second phase the answers to issues you have raised will be included in the EIA and EMP report. You will receive a summary of the report to review. You can then go and see how an issue regarding for example dust will be managed and you will get another opportunity to see whether all the issues raised were addressed.</p> <p>This is not the end of the process, we are at the beginning raising all the issues. The EIA</p>

Issue	Raised by whom	Response provided
		team and specialist will do the investigations to provide answers to the concerns (NB).
Don't sent the sms to one person.	Moses Mkhondo	Your concern has been noted (CH).
<b>Socio-economic: Community benefits</b>		
I would like to know more about the SLP.	Jeffrey	Social and labour plan it is the plan that is supposed to be done by all mines when applying for the mining rights. SLP includes the way you looking after your employees in terms of training them and how the local community is going to benefit from the mine. It also includes your procurement policy and how the community will benefit from this. SLP is a five year plan and it is linked to Municipality's IDP. There is a consultation process that takes places before it is finalised.
With regards to the social and development plan, the community really get involved in idea generating for projects that it will be included in the social and development plan.		Your concern has been noted (CH).
What are the affected people going to benefit from the tender called surface rental under the social labour plan.		The surface rental goes to people where mine infrastructure is on their land. Land Affairs determines how much a mine pays for the surface rental (JT).
<b>Socio-economic: Crime</b>		
The foreign nationals come in here and they are killing each other in in our village. How are we going to take care of this?	Jeffrey	Crime should be reported to SAPS (JT).

#### 4. THE WAY FORWARD

- Summaries of the Scoping Report will be posted/emailed and/or distributed at community venues to all IAPs and regulatory authorities registered on the project's database in August 2012.
- All scoping summary documents will be made available in English and Tswana.
- Full copies of the scoping reports will be made available at the Makolokwe tribal office, Segwaelane tribal office and Brits public Library for public review.
- IAPs will be given 40 days to review the scoping report and submit comments
- Following the review of the scoping report, specialist investigations will be conducted where required.
- Once the specialist studies and the EIA and EMP report has been completed, full copies of the EIA and EMP report as well as summaries will be made available for public review and comment by IAPs and regulatory authorities for 40 days.
- Feedback meetings will be arranged during the EIA and EMP review period to assist IAPs with the review of the EIA and EMP report.

**5. CLOSE**

Carol Hooghiemstra thanked everyone for attending and closed the meeting. The meeting adjourned at 17H45.

## APPENDIX 1: ATTENDANCE REGISTER

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## APPENDIX 2: PRESENTATION



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**AFPLATS (Pty) Ltd**

**PROPOSED LEEUWKOP EMP  
AMENDMENT**

**SCOPING PHASE STAKEHOLDER  
ENGAGEMENT** July - AUGUST 2012

## AGENDA

- Registration
- Welcome and opening
- Project overview
- Environmental process overview
- Status of the existing environment
- Potential impacts
- Way forward for Scoping
- Close

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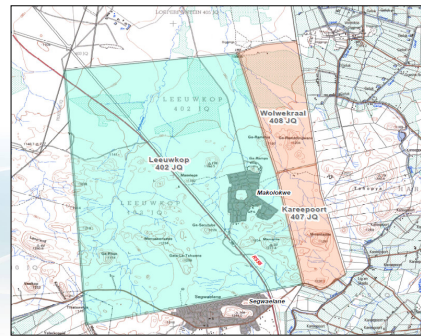
## PROJECT OVERVIEW

- The Leeuwkop mine is currently being developed on the farm Leeuwkop 402JQ by Afplats (Pty) Ltd (Afplats) in accordance to its approved EMP
- Afplats is proposing to amend the approved EMP to cater for changes to the planned infrastructure:
  - A deeper shaft and a change in mining method
  - Increase workforce
  - A new waste rock dump
  - The use of tailings backfilling material for support
  - Expansion of the sewage treatment plant
  - Expansion of water management facilities
  - Development of new water holding facilities
  - Change in the planned routing of the access road around the shaft area and increase of future parking area
  - Incorporation of the farms Wolvekraal 408JQ and Kareepoort 407JQ into the mining right. No infrastructure is planned on these farms.

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## LOCAL SETTING



Legend  
 Area To Be Included Into Mining Right  
 Approved Mining Right Area

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## ENVIRONMENTAL PROCESS (1)

### What?

- Assessment of the potential impacts of the proposed project on the environment
- Environment definition (water, soils, air etc)
- Implementing appropriate management measures

### Why?

- Legal requirement
- It is the right thing to do

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## ENVIRONMENTAL PROCESS (2)

### How?

- Participation of interested and affected parties
- Specialist investigations
- Reporting (Scoping, EIA and EMP report; WULA)
- Decision making

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## ENVIRONMENTAL PROCESS (3)

### Who makes the decisions:

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

### Local authorities

- Rustenburg Local Municipality
- Madibeng Local Municipality
- Bojanala District Municipality

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## ENVIRONMENTAL PROCESS (4)

### Different stages

- Scoping phase
- Environmental Impact Assessment and Environmental Management Programme (EIA and EMP) phase
- Amendment of the Water Use License

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## ENVIRONMENTAL PROCESS (5)

### The purpose of today's meeting

- Understand the process
- Provide information on proposed project
- Provide overview of existing status of environment
- Provide information on potential impacts
- Raise and record environmental issues
- Identify possible specialist investigations.

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## ENVIRONMENTAL PROCESS (6)

### How does this help you?

### Scoping report

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

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## STATUS OF THE EXISTING ENVIRONMENT(1)

- **Geology:** Afplats is situated in the Bushveld Igneous Complex which is an intrusive igneous body.
- **Climate:** Middle veld climatic zone. Mild climate with the rainy season occurring between November and February. Annual precipitation is approximately 658 mm/year. Wind direction is south-west.
- **Topography:** Undulating terrain interspersed with granite hills averaging 100m in height.
- **Soils:** Various soil types and structured forms associated with high clay percentages occur within the project area
- **Land use:** Mixture of agricultural activities such as crop cultivation and grazing.
- **Animal life:** Existing disturbance from mining activities in the area has resulted in the fragmentation of the natural veld. Approximately 92 animal species are likely to occur within the Leeuwkop site, this includes mammals, herpetofauna and birds.

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## STATUS OF THE EXISTING ENVIRONMENT(2)

- **Plant life:** Mixture of trees and grass species that are typical of the Gabbo Thornveld.
- **Groundwater:** The proposed study area is situated on fractured rock aquifers. The depth of groundwater levels varies between 0 and > 90 m below surface.
- **Surface water:** The Leeuwkop mine is located within Crocodile catchment. Several non-perennial tributaries occur within the proposed project area, some of which are tributaries of the Tshukutswe River. Water quality is generally poor due to the natural geology.
- **Air quality:** Apart from the current Afplats operations, various mines, industries and activities in the area also contribute to the emission of pollutants. These pollutants include; fugitive dust, mining emissions, biomass burning, household fuel combustion and vehicle tailpipe emissions.

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### STATUS OF THE EXISTING ENVIRONMENT(3)

- **Noise:** Main sources include traffic on the R556, local traffic and communal activities in the settlements of Segwaelane and Makolokwe.
- **Visual:** The overriding visual characteristic is that of a rural environment.
- **Heritage/cultural resources:** Although there are sites of heritage/cultural significance on the farm Leeuwkop 402JQ, there are no sites of significant heritage/cultural resources close to the planned infrastructure
- **Socio-economic:** Segwaelane and Makolokwe are the closest communities to the proposed project area. Mining remains the major formal employment provider.

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### POTENTIAL ENVIRONMENTAL IMPACTS

- Soils (erosion, compacting, soil pollution)
- Biodiversity (loss of fauna and flora)
- Surface water (contamination and drainage pattern alteration)
- Groundwater (dewatering and contamination)
- Air quality (dust emissions)
- Noise impact (increase in disturbing noise levels)
- Visual impacts (negative visual impacts)
- Heritage/cultural resources (Loss of resources)
- Land use (Loss of agricultural land)
- Socio-economic (Positive impacts eg: The change in mining method will result in additional jobs. Negative impacts eg: Influx of people in search of work)
- Safety (hazardous infrastructure and excavations)

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### WAY FORWARD

- Scoping Report public and authority review (August 2012)
  - Scoping report (English): at public venues
  - Summary (English/ Tswana): per post/ e-mail, distribution at community venues
- Suggested venues: Makolokwe tribal office, Segwaelane tribal office and Brits public Library
- Regulatory authorities and IAPs: 40 days to submit comments
- Conduct specialist investigations and complete EIA
- Stakeholder feedback meetings in EIA Phase and opportunity to review EIA and EMP report

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### OPPORTUNITY TO RAISE ISSUES AND CONCERNS

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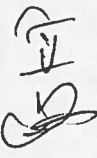
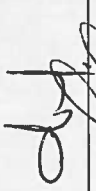


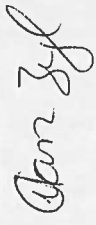
**THANK YOU FOR YOUR TIME!**

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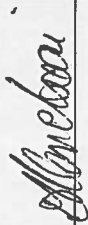


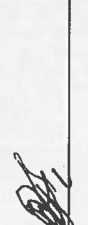
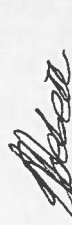
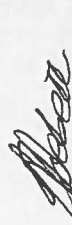
## AUTHORITIES MEETING

Project Name		LEEUEWKOP EIA and EMP AMMENDMENT		
Minutes Taken By	Annalene van Zyl	Facilitator	Carol Hooghiemstra	Company / Discipline Group
Date and Time	2012-07-27 at 10H00	Place	Leeuwkop Mine Boardroom	
				Environmental

NAME	COMPANY / DIVISION	Contact Details			Address	EMAIL	SIGNATURE
		Tel	Fax	Cell			
KP Dale	WATER AFFAIRS	012 253 1026			P/bag X 357 HBP	tjaldedwaags	
		012 253 2761					
		076 3194 741					
Natascha Daly	SLR CONSULTING	014 467 0945			P.O. Box 1546 Cremeniem 2060	ndk	
		014 467 0978					
		085 226 8570					
K AND WYIK	AFFRATS						
		0832360055					
Josephine Krystianowski	Impole						
Carol Hooghiemstra	JMSO	0861245476					
		082 410 7280					
Annalene van Zyl	Iliso						

## MAKOLOKWE FOCUS GROUP MEETING

Project Name	LEEUEWKOP EIA and EMP AMMENDMENT		
Minutes Taken By	Annalene van Zyl	Facilitator	Carol Hooghiemstra
Date and Time	2012-07-19 at 09H00	Place	Makolokwe Tribal Council Hall
		Company / Discipline Group	Environmental

NAME	COMPANY / DIVISION	Contact Details			Address	EMAIL	SIGNATURE
		Tel	Fax	Cell			
PETER LEBENHE	Makolokwe T/Office	0835510798			P.O. Box 374 Makolokwe 0250		
D.B.R. MABEDI	Makolokwe TC Office	0835510798			P.O. Box 4708 Makolokwe		
MARTIN K. BOEG	BAKWENA-BA- MOSOPA T/C	0832441085			333 Makolokwe		
E M MOSAKA	BATWENA	078 400 1634			104 Makolokwe		
T. D. Mphahlele	Bakwena	0833968127			220 Makolokwe		
P. J. LIEBÉTHÉ	Committee	078.5668088			299 Makolokwe		
					P.O. Box 77 BLEIMANIE 0270		





NAME	COMPANY / DIVISION	Contact Details			Address	EMAIL	SIGNATURE
		Tel	Fax	Cell			
L. K. I. M. S.	Mokwena WARD COMMITTEE	Tel		0738953004	Box 77 Bedoune Honal 271E		
		Fax					
		Cell		0738953004			
A. J. M. W. K.	AFFRATS	Tel					
		Fax					
		Cell					
S. M. W. E. T. M. O. L. O. K. W. E.	Makolokwe WARD COMMITTEE MEMBER	Tel		0815075822		KATLOS. JAWUWE@IMPUNTS.CO.ZA PO Box 207 Bedoune Honal 271E	
		Fax		073543458			
		Cell					
L. I. N. D. A. M. O. R. O. P. A.	MAKOLOKWE WARD COMMITTEE MEMBER	Tel		0839608845	P. O. Box 23 MAKOLOKWE 0873		
		Fax					
		Cell		0815636366			
J. O. S. E. P. H. M. O. L. O. B. I.		Tel					
		Fax					
		Cell		0780044361			
N. O. S. H. E. R. D. A. L. Y.	SLR	Tel		0146670945	P. O. Box 1596 Cremore 2060	nddya@stream suiting.com	
		Fax					
		Cell		0837765570			
		Tel					
		Fax					
		Cell					
		Tel					
		Fax					
		Cell					

**MAKOLOKWE PUBLIC MEETING**

<b>Project Name</b>				LEEUEWKOP EIA and EMP AMMENDMENT			
<b>Minutes Taken By</b>		Annalene van Zyl		<b>Facilitator</b>		Carol Hooghiemstra	
<b>Date and Time</b>		2012-07-26 at 16H00		<b>Place</b>		Makolokwe Tribal Council Hall	
<b>Company / Discipline Group</b>				Environmental			

NAME	COMPANY / DIVISION	Contact Details			Address	EMAIL	SIGNATURE
		Tel	Fax	Cell			
keo Mogadde	IMPALA	569 3752			Impala 6 # PHOKENG	keokantsemogadde@implats.co.za	
Dipuo Nthodi	MWAP			0838930858	House no. 367B Kipton Section Makolokwe 0273	N/A	J.D. NTHODI
THABO MALUMA	PRIVATE			071 7687283	HOUSE NO. 214 MAKOLOKWE	N/A	
Simon Matsisa	Rock of Stock			0727337539	69 MALOKWE	N/A	
Rose Khoza	Impala	(014) 569 7955			Impala Projects Department	rose.khoza@implats.co.za	
Herman Thixo	—			084 956 7996	House 39 Mankwane	—	



NAME	COMPANY / DIVISION	Contact Details			Address	EMAIL	SIGNATURE
		Tel	Fax	Cell			
Dipolela Moxhodi	-			07999 68536	Makolokwe 474	N/A	
Mosepele Mafahisa	N/A			079 0903053	<del>P.O. Mototloe</del> P.O. Box 215 Bethanie 0270 N/A	N/A	
Kabelo More	BAKWENA - BA-MOSOPA T/A			012 2600500 012 2600201 078 400 1634	Makolokwe 104	-	
Absalom Molepe	N/A			079 66444 733	Makolokwe 411	N/A	A. molepe
Tshobele Sioe	N/A			0780419499	P.O. Box 315 Bethanie 253 Matlotse	N/A	T. Sioe
Potiso Mosebodi				076 1510764	P.O. Box 77 BETHANIE 0270		
Onicah Molepane				0785923276	Makolokwe 988		S.O. Molepane
P. J. G.				411	11	11	

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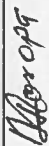




NAME	COMPANY / DIVISION	Contact Details			Address	EMAIL	SIGNATURE
		Tel	Fax	Cell			
Aaron Mchanyane	✓				39A Makolokwe		
Daniel Mchabe	✓				347 Makolokwe		
J MALEDU					095 BAKSEBA		J Maledu
Shanna Tawo	Impfats				P.O. Box 5683 RUSTENBURG		
Lehlonolo Kgato Rhoan							
Elizabeth Modiba	✓						
Bonatshego Mkhosi	✓				68 Makolokwe		
D. J. Mphahlele	✓				403 Makolokwe		
					299 Mokoahwe		

NAME	COMPANY / DIVISION	Contact Details			Address	EMAIL	SIGNATURE
		Tel	Fax	Cell			
ITUMELENG MFIKWE				0728866448	HOUSENO 255 MAKOLOKWE		
Hendrick Mofefe					Mokolokwe		
LETCHOGONAO MPETE					HOUSE NO. 453A MAKOLOKOE		
TEBOYO MOREBODI				084 779 6448	HOUSE NO. 26 MAKOLOKWE		
LUCAS NTSOLE	CONQUERORS MINING SERVICES			0737251181	1880 BEITHAMIE EAST.	ntsolelucas36@gmail.com	
BOMERAN MOSUBA				078 305 8800	142 MITHKOLOKWE BOX 1080 BATS. 0750		
D.B. Mofefe				0731301014	101 Makolokwe		



NAME	COMPANY / DIVISION	Contact Details			Address	EMAIL	SIGNATURE
		Tel	Fax	Cell			
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Mogorosi Shigizib				0717518450	P.O Box 315 Mey Bethan'e 0270		
				076 0207032	P.O Box 100 Makolokwe 1/1/1/1 0273		
Solomon Sedumedi							SP Sedumedi
VEBETHHE DISHETHE				074 9271520	273 MAKOLOKWE 0273		
Kgomotso Mahumf				0720604725	164A Makolokwe		

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NAME	COMPANY / DIVISION	Contact Details			Address	EMAIL	SIGNATURE
		Tel	Fax	Cell			
LINDA MOROPH	MAKOLOKOKE			083968845	P.O. Box 23 Makolokwe 0273		
V. Anzeru	AFLATS			0798738617			
M.C. MAHUMA				0795432185	P.O. Box 77 Bethanie 0270		M.C. MAHUMA
Thabo Mahuma	N/A			0718434181	N/A		
Brian Mahuma	N/A			0728788468	HOUSE NO 214 MAKOLOKWE		
ELIYAS MOKHISOANE	N/A			0766463853	P.O. Box 124 MAKOLOKOE 0272		
LEBOGANGI MOKWENA	N/A			0710318582	P.O. Box 315 BETHANIE 0270		
Phyllis Motshwane	N/A			0720644382	House No 104 Makolokwe 0273		



NAME	COMPANY / DIVISION	Contact Details			Address	EMAIL	SIGNATURE
		Tel	Fax	Cell			
HENRICK Sibwe				076-7231-485	P.O. BOX 315 Bethanie House 295 Matoloka		
MARY LIMONDE				072-1555-412	P.O. BOX 663 BRSS KATHONDIKE HOUSE NO 113		
Sello Mogaosi				073 227 3047	P.O. BOX 315 BETHANIE 0270		T.S.Mogaosi@mtel.co.za
RONALD LEEUW				DANIEL	P. 13,02 315 BRITS Hous Number 150		
KLAUCILO MOREAU				0931291043	P.O. Box 10 BETHANIE		
				079 6628171	P.O. BOX 773 Bethanie 0270		
				073 897 9717	P. O. Box 132 MAROLOKE		
Mary Kogasi					House No 73 M/A		DTM





NAME	COMPANY / DIVISION	Contact Details			Address	EMAIL	SIGNATURE
		Tel	Fax	Cell			
Josphine Kwizimweho	Jupe						
Elias Moshak	MAKOLOKO			083 3968127	MAKOLOKO		
Ludiy Zambe	Makoloko			072028435	307 Makoloko		
SAUL SIMONE	TILIMONILE			07146141419	Makoloko		
Elsie Modirapala				071 0549532	47 Makoloko		
B.T. NATSILA.				0781332399	356 KIPTON SEC.		
F. Kgasi				073038552	196 Makoloko		



NAME	COMPANY / DIVISION	Contact Details			Address	EMAIL	SIGNATURE
		Tel	Fax	Cell			
Abram Mafoko				0839765536	431 Makolokwe		<i>[Signature]</i>
Stephen Moyaetsi				0760148567	231 Makolokwe		<i>[Signature]</i>
Nthoteng Mfikoe				0183564378	540 Makolokwe PO Box	n.t.mfikoe@proram	<i>[Signature]</i>
Mokhuts honye					231 Makolokwe		<i>[Signature]</i>
Ntate nyana Mokhuts							
LERATO NGOLELE					P.O. Box 388		
Samuel Modise				0193836097	Beits 0250		<i>[Signature]</i>
Lucky Mawene				0822167483	PO 243 Mokolokwe		<i>[Signature]</i>
Reuben Mooketsi				0825954338	Makolokwe		<i>[Signature]</i>
				07	66 Mokolokwe		<i>[Signature]</i>
				0829740957			

FORM 003

NAME	COMPANY / DIVISION	Contact Details			Address	EMAIL	SIGNATURE
		Tel	Fax	Cell			
CAM SEALE	OBSERVER			079 3184498		camseale@gmail.com	
K.E. NAKOPALE							
J.O. Kgaleadi	N/A			0828178651		K.A. Kgaleadi	
KLAAS DKOONO				016 7766780		okgaleadi@gmail.com	
SYDNEY M FIVE				083985 4501			
PETER LEBETHE	Madition Council			0717051546			
ELIAS KUNENE	N/A			0835516798			
MOKWENA MAMSIE	N/A			0722416113			

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NAME	COMPANY / DIVISION	Contact Details			Address	EMAIL	SIGNATURE
		Tel	Fax	Cell			
Johannah Phiri	—			0734052990	341 Makolokoe	—	Aphiri
Aphie debrak Moiwane Masilo	Sasko			0752020	Makolokoe P.O. Box 315 Bethanie 0270	—	Ms. Masilo
Masite	Danvieh			0729791316			
SEKHE HEBERTSWE	S			082 3633584	HOUSE MOQUT MAKOLOKOE		
BOICUMQIO MOLEMANE	—			0182213915	1116 Ndlwango Boksoba 0271	—	P.B. Molemane
REBONE MOEKETSE				0145940583	394 Makolokoe		
Stella Moeketse				0145923569 0834692855			
				011 467 0945	SCH		



NAME	COMPANY / DIVISION	Contact Details			Address	EMAIL	SIGNATURE
		Tel	Fax	Cell			
Sello Morobodi		073 8550988			477 Makolokwe		<i>[Signature]</i>
Thobang Phetlhe		0719877647			371 Makolokwe P.O. Box 110		<i>[Signature]</i>
M Makhurshane		071 954 6410			23 Makolokwe		<i>[Signature]</i>
B. Mabaso		0766372900			P.O. Box 43 Makolokwe 0273		<i>[Signature]</i>
M. Ntshobu		079 1557890			P.O. Box 55. MARIKAWA. 0274		<i>[Signature]</i>
P. Nannathoto		0718165931			P.O. Box		<i>[Signature]</i>
Kigamotso Lebafue		0788786430			P.O. Box 77 Bethanone 0276		<i>[Signature]</i>

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NAME	COMPANY / DIVISION	Contact Details			Address	EMAIL	SIGNATURE
		Tel	Fax	Cell			
MOSALA				0838618495			[Signature]
OBED							

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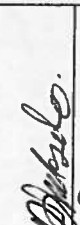

## NGWANADIRANE FOCUS GROUP MEETING

Project Name	LEEUKWOP EIA and EMP AMMENDMENT		
Minutes Taken By	Annatene van Zyl	Facilitator	Carol Hooghiemstra
Date and Time	2012-07-18 at 14H30	Place	Geluk - Ngwanadirane CPA Boardroom
		Company / Discipline Group	Environmental

NAME	COMPANY / DIVISION	Contact Details			Address	EMAIL	SIGNATURE
		Tel	Fax	Cell			
Daniel Inage	C.P.A Ngwanadirane			076 218 0449	07340405145 Mokikwe Village Box 6934 BMS.	N/A	
Muso M. Mores Ngwanadirane	C.P.A			0937699234	BETHANIE PO Box 135	N/A	
Bever Setlodi NCPA	NCPA			0725737958	Bethlanie P.O. Box 4374 BITS 0250	N/A	
LJ MAMOGALE	NCPA			0827662121	BETHANIE	N/A	
Obakeng Lebethe	NCPA			0717899086	Makholokwe obakeng.lebethe@yahoo.com	<del>#</del>	
NTSAKO BALOYI	SLR			011-467-0915 011-467-0978 082-472-4919	PO BOX 1596 CRAMERVIEW 2060	nbaloyi@ slrconsulting. COM	

## NGWANADIRANE FOCUS GROUP MEETING

Project Name	LEEUKWOP EIA and EMP AMMENDMENT		
Minutes Taken By	Annalene van Zyl	Facilitator	Carol Hooghiemstra
Date and Time	2012-07-18 at 14H30	Place	Geluk - Ngwanadirane CPA Boardroom
		Company / Discipline Group	Environmental

NAME	COMPANY / DIVISION	Contact Details			Address	EMAIL	SIGNATURE
		Tel	Fax	Cell			
JOSIA MASONWA	NCPA	012 254 4762		0728728252		supra@vodacom.co.za	
HENRY MATHUMA	11			0723365154	P.O. Box 4 815 Pretoriusburg 0170		
Baron R Mosite	NCPA	082 9365912			P.O. Box 4238	N/A.	
DALE A.W.	APPLATS	014 592 8326		086 716 8699	P.O. Box 7761 RUSTENBURG 0300	webster.dale@implats.co.za	

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NAME	COMPANY / DIVISION	Contact Details			Address	EMAIL	SIGNATURE	
		Tel	Fax	Cell				
Nobushu Duly	SJR	Tel	014 4670615		P.O. Box 1516 Cranbourne 7060	nddyjusticonsulting com		
		Fax	014 4670578					
		Cell	083 7268570					
		Tel						
		Fax						
		Cell						
		Tel						
		Fax						
		Cell						
Tel								
Fax								
Cell								

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## SEGWAELANE FOCUS GROUP MEETING

Project Name: LEEUWKOP EIA and EMP AMMENDMENT


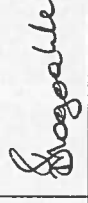
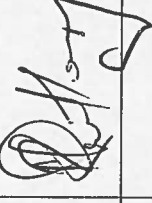


Minutes Taken By: Annalene van Zyl

Date and Time: 2012-07-18 at 12H00

Facilitator: Carol Hooghiemstra

Place: Segwaelane Community Hall

Company / Discipline Group: Environmental

NAME	COMPANY / DIVISION	Contact Details			Address	EMAIL	SIGNATURE
		Tel	Fax	Cell			
DAISA MAMOGWE WARDS CUR	MABISENG WARD COMMITTEE	Tel			0234 B TACUNG SEC SEGWAELANE BOX 120	-	
		Fax					
		Cell	0733369658				
JOSEPHINE MOGOABE WARD COMMITTEE MEMBER	WARD COMMITTEE MEMBER	Tel			0690F MARADISEC SEGWAELANE BOX 204	-	
		Fax					
		Cell	0781298122				
MABEL SPOILANG	STAKEHOLDER	Tel			0966HI DITHABENJ SEGWAELANE	-	
		Fax					
		Cell	0783095341				
VICTOR SIBA Obedi Mokomele	SEGWAELANE DEVELOPMENT Committee Kgosana	Tel			0221E TERMINUS SEGWAELANE 0276 Kgosana	-	
		Fax					
		Cell	0733423551				
Babarebe	Kgosana Cauceler	Tel			Kgosana	-	
		Fax					
		Cell	0710845074				

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TUGREVIEW

NAME	COMPANY / DIVISION	Contact Details			Address	EMAIL	SIGNATURE
		Tel	Fax	Cell			
SUZAN JAMES	WARB Com			082 583 4435	P.O. Box 183 SECWAELEANE 0276 J09144HH		James
BRILLIANTX	WARB Com			0735916381	0866 H SECWAELEANE	brilliantx@live.co.za	
AJWAOWYK	AFRUTS			0832360055		AFRUTS - UJONGS & COMPANYATS .CO.ZA	
N Daly	SLR			014 567 0945	P.O. Box 1596 Camerivicw 2060	n.daly@slrconsulting.com	
NISAKO BALOYI	SLR			011-467-0915 011-467-0918 082-472-4919	11	nbdoyi@slr consulting.com	


## DWA PRE- APPLICATION MEETING

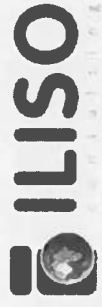
<b>Project Name</b> LEEUKWOP PRE-APPLICATION IWULA			
<b>Minutes Taken By</b> Annalene van Zyl	<b>Facilitator</b> Carol Hooghiemstra	<b>Company / Discipline Group</b>	<b>Environmental</b>
<b>Date and Time</b> 2012-07-18 at 08H00	<b>Place</b> KURPERS OORD		

NAME	COMPANY / DIVISION	Contact Details			Address	EMAIL	SIGNATURE
		Tel	Fax	Cell			
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		Fax	086 716 8699				
		Cell	082 804 5324				
		Tel					
		Fax					
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		Fax					
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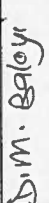
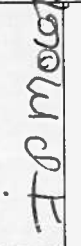


**SEGWAELANE PUBLIC MEETING**

<b>Project Name</b>				<b>LEEUEWKOP EIA and EMP AMMENDMENT</b>			
<b>Minutes Taken By</b>		<b>Annalene van Zyl</b>		<b>Facilitator</b>		<b>Carol Hooghiemstra</b>	
<b>Date and Time</b>		<b>2012-08-01 at 16H00</b>		<b>Place</b>		<b>Segwaelane Community Hall</b>	
<b>Company / Discipline Group</b>				<b>Environmental</b>			

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Monto Mobaung					Box 4714 Britz 0250		Apology.
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Rapulga Maluleke				082 434 3508			Maluleke



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Abed Makonde	Kopong Segwaelane DEVELOPMENT Comm.tee			0721941922	Box 92031 Norwood POX 123 SEGWAELAN 0276		
VICTOR SANDA				0733423931			

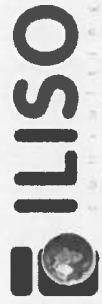


**SEGWAELANE PUBLIC MEETING**

Project Name		LEEUKWOP EIA and EMP AMMENDMENT		
Minutes Taken By	Annalene van Zyl	Facilitator	Carol Hooghiemstra	Company / Discipline Group
Date and Time	2012-08-01 at 16H00	Place	Segwaelane Community Hall	
				Environmental

NAME	COMPANY / DIVISION	Contact Details			Address	EMAIL	SIGNATURE
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Kristina Moxome						N/A	K. Moxome





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Solomon Mabalele				072 9202114	Box 54 SEGWAELANE		
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Jankie MAKHARA				078 2342455	P.O. Box 57 Segwaelane PO Box 73 Segwaelane		




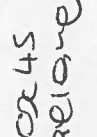
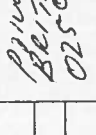
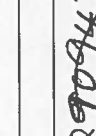
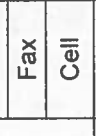
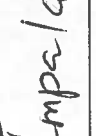

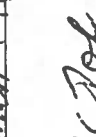
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		Fax					
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		Cell	<del>082365555</del>				
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S. Mhatshe		Tel					
		Fax					
		Cell	0721580980				

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**SEGWAELANE PUBLIC MEETING**

<b>Project Name</b>			LEEUKWOP EIA and EMP AMMENDMENT		
<b>Minutes Taken By</b>	Annalene van Zyl	<b>Facilitator</b>	Carol Hooghiemstra	<b>Company / Discipline Group</b>	Environmental
<b>Date and Time</b>	2012-08-01 at 16H00	<b>Place</b>	Segwaelane Community Hall		

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Kenny Motshweni				0721168320	P.O. Box 367 Segwaelane 0276		Kenny Motshweni
Welheming Sefike				0785655169	0553 E SEGWAELANE 0276		Sefike
M. Maphalala				0733058813	0051 SECTION A SEGWAELANE 0276		M. Maphalala
M. Molotsi				0768167740			M. Molotsi
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F. James				0834660454			<i>[Signature]</i>
J.S. Paulo				0826888200			<i>[Signature]</i>

## Natasha Daly

---

**From:** RAMERE SERUMULA <RASERUMULA@ruraldevelopment.gov.za>  
**Sent:** 04 June 2012 04:12 PM  
**To:** Natasha Daly  
**Subject:** Re: Land claims on the farms Leeuwkop 402JQ, Wolwekraal 408JQ and Kareepoort 407JQ

Dear Natasha!

I hereby confirm the following:

- 1) The Commission intends to withdraw the land claim in respect of Leeuwkop 402 JQ from the Land Claims Court. The land claim will be dismissed for non compliance after withdrawal. The rightful beneficiaries have not lodged a claim.
- 2) There are no claims against Wolwekraal 408 JQ. I need to ascertain the location of Karreepoort 407 JQ before i confirm the existence of the land claim.

Thanks  
Ramere

>>> Natasha Daly <[ndaly@slrconsulting.com](mailto:ndaly@slrconsulting.com)> 6/4/2012 3:39 PM >>> Dear Mr Serumula

As per our telephonic discussion last week, relating to land claims lodged on the farms Leeuwkop 402JQ, Wolwekraal 408JQ and Kareepoort 407JQ, please confirm if the below is correct.

- A land claim has been lodged on the farm Leeuwkop 402JQ by Mr Mabala on behalf of the Bapo Ba Mogale. This land claim was presented at court, but was however withdrawn as the claim was lodged on behalf of a beneficiary; and
- There were previously land claims lodged on some portions the farms Wolwekraal 408JQ and Kareepoort 407JQ by the Bakwena Ba Mogapa Tribe. To date these portions of land now form part of Hartebeestpoort B 410JQ and as such no land claims are currently lodged on the farms Wolwekraal 408JQ and Kareepoort 407JQ.

Please confirm if the above is correct, if not please edit where required.

For any further information, please do not hesitate to contact me.

Kind regards

Natasha Daly

Natasha Daly

Environmental Scientist  
SLR Consulting (Africa) (Pty) Ltd

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## Natasha Daly

---

**From:** RAMERE SERUMULA <RASERUMULA@ruraldevelopment.gov.za>  
**Sent:** 04 June 2012 04:25 PM  
**To:** Natasha Daly  
**Subject:** Re: Land claims on the farms Leeuwkop 402JQ, Wolwekraal 408JQ and Kareepoort 407JQ

Dear Daly!

Note that there are two (2) Karreepoort 407 QJ farms, one is located on the south eastern side of Hartebeespoort B 410 JQ and the other on the western side of Hartebeespoort B 410 JQ, adjacent to Wolwekraal 408 JQ.  
Note that there is no land claim against the latter.

There is a claim against Karreepoort 407 JQ located on the south eastern side of Hartebeespoort B 410 JQ.

Thanking you  
Ramere

>>> Natasha Daly <[ndaly@slrconsulting.com](mailto:ndaly@slrconsulting.com)> 6/4/2012 3:39 PM >>> Dear Mr Serumula

As per our telephonic discussion last week, relating to land claims lodged on the farms Leeuwkop 402JQ, Wolwekraal 408JQ and Kareepoort 407JQ, please confirm if the below is correct.

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For any further information, please do not hesitate to contact me.

Kind regards

Natasha Daly

Natasha Daly

Environmental Scientist  
SLR Consulting (Africa) (Pty) Ltd

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