



Project Reference: 710.09003.00092

25 July 2012

## RBA MINING COMMITTEE

ATTENTION: REOTSHEPILE TLHAPANE

CC: KHALID PATEL

### IMPALA PLATINUM LIMITED

#### NOTICE OF INTENT FOR THE ENVIRONMENTAL WORK ASSOCIATED WITH THE PROPOSED IMPALA PLATINUM LIMITED (IMPALA) SHAFT 16 WASTE ROCK DUMP EXPANSION AND PIT 8C PROJECT

Dear Reotshepile

#### 1. INTRODUCTION

This letter serves to inform you of Impala's intention to apply for environmental authorisation to undertake additional open cast activities adjacent to the existing Impala Stores area and to expand the existing waste rock dump at Shaft 16. The proposed projects are located on the farms Vaalkop 275 JQ and Beerfontein 263 JQ, and Reinkoyalskraal 278 JQ respectively.

#### 2. PROJECT OVERVIEW

##### Pit8C

In 2005, the Department of Mineral Resources (DMR) approved the EIA/EMP amendment report for the mining of both the UG2 and Merensky reef using opencast mining and digging methods (Metago, 2005). A portion of the farms Vaalkop 275 JQ and Beerfontein 263 JQ, located adjacent to the Impala stores, was omitted from the original project area. Impala is proposing to undertake open cast activities, referred to as the proposed Pit8C project in this area. The location of the proposed Pit8C project is shown in Appendix A.

The proposed Pit8C project will consist of a new gravel access road, temporary topsoil stockpile area, a temporary waste rock stockpile area and will cover an area of approximately 5 hectares. The proposed Pit8C project will be mined using conventional opencast mining techniques. In this regard a boxcut will be developed when mining commences. Topsoil will be removed and stockpiled; overburden will be drilled, blasted and removed; and ore will be removed and sent for crushing at the existing crusher plant. The open

SLR Consulting (Africa) (Proprietary) Limited

[www.slrconsulting.com](http://www.slrconsulting.com)

Registered Address: Unit 7 Fourways Manor Office Park, 1 Macbeth Avenue, Fourways, 2055  
Postal address: PO Box 1596, Cramerville, 2060, South Africa  
Reg. No.: 1998/005179/07 VAT No.: 4390145807

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Durban Office: Physical address: 130 Pinaros House, 70 Buckingham Terrace, Westville, Durban / Postal address: P O Box 641, Westville, 3630 / T: +27 31 265 3063 / F: +27 86 600 5186



Directors: (Executive): A James, B Stobart, S Derman, Susan Niekerk, (Non-Executive): A Sheppard, K Paterson.





**ENVIRONMENTAL ASSESSMENT PROCESS FOR THE PROPOSED SHAFT 16 WASTE ROCK DUMP EXPANSION AND OPENCAST ACTIVITIES AT PIT 8C**

**RUSTENBURG OPERATIONS IMPALA PLATINUM LIMITED**

Notice is given in terms of the National Environment Management Act (NEMA) 107 of 1998, the Mineral Petroleum Resources Development Act (MPRDA) 28 of 2002, and the National Water Act (NWA) 36 of 1998 of intent to carry out the activities as described below. In this regard, an application has been submitted to both the Department of Economic Development, Environment, Conservation and Tourism (DEDECT) and the Department of Water Affairs (DWA), and notification has been sent to the Department of Mineral Resources (DMR).

**DMR Reference number:**  
NW 30/5/12/3/2/11/131EM and 133EM

**DEDECT reference number:**  
NW/PEIA/47/2012

**Name of proponent:**  
Impala Platinum Limited (Impala)

**Description of proposed activity:**  
Impala proposes to expand the existing waste rock dump (WRD) at Shaft 16 and conduct opencast activities at Pit 8C. In light of this, the following NEMA listed activities of Regulation 544 Listing Notice 1 are triggered:

- **Activity 23:** The transformation of undeveloped, vacant or derelict land. In this regard, the footprints of both the proposed P18C and Shaft 16 WRD expansion are greater than 1 ha but less than 20 ha and are located in part on vacant or undeveloped land;
- **Activity 28:** The expansion of existing facilities for any process or activity where such expansion will result in the need for a new, or amendment of, an existing permit or license in terms of the national or provincial legislation governing the release of emissions or pollution. In this regard, the WRD expansion will require a water use license amendment.

**Location of the proposed activities:**  
The proposed activities will be situated at Impala's Rustenburg mining operations on the farms Reinikoyakraal 278 JQ, Vaalkop 275 JQ and Beerfontein 263 JQ.

**Name of consultant to contact:**  
SLR Consulting (Africa) (Pty) Ltd  
Contact person: Ms Caitlin Pringle  
Postal Address: PO Box 1596, Cramerview, 2060  
Tel: (011) 467-0945  
Fax: (011) 467-0978  
E-mail: [cpringle@slrconsulting.com](mailto:cpringle@slrconsulting.com)  
**Date of publication of this advert:**  
17 August 2012

**Registration of IAPs and submission of comment:**  
To ensure that you are identified as an interested and/or affected party (IAP), please submit your name, contact information and interest in the matter in writing to the contact person(s) given above within 30 days of publication of this advertisement.

**Additional Information:**  
To obtain additional information about the proposed project, please contact the above mentioned consultant.

**KUTSISO YA TSHKATSHIKHO YA TIKOLOSO YA MOPEPO OO TSHITSHINTSWENG WA 16 KOKETSO YA THOTHOBOLU YA MASALELA A MATAPALE DITIRELO TSA WOSIMA OO BULELING NWA MOSIMWENG WA 8C**

Kutiso e dirilwe mabapi le molea wa Tsamaiso ya Thikologo ya Boschaba (NEMA) 107 wa 1998, Mineral Petroleum Resources Development Act (MPRDA) 28 wa 2002, le Moliso wa Metsi wa Boschaba (NWA) 36 wa 1998 wa malikaelo a c diragatsa dithalo jaaka go kaitlwe fet lasa. Ka seno, kopo ya thebulo ya thikologo e setse e itlwe kwa Lefapheng la Thabolelo Ekonomi, Thikologo, Tshomarelo al Bojanala (DEDECT), Lefapha la Merero ya Metsi le Thikologo (DWA) la kutiso ee rometsweng kwa Lefapheng la Dididiswa tsa Dimenarale (DMR).

**DMR Reference number:**  
NW 30/5/12/3/2/11/131EM le 133EM

**DEDECT reference number:**  
NW/PEIA/47/2012

**Leina la monananoaai:**  
Impala Platinum Limited (Impala)

**Tlhaloso ya tiralo ee tshitsintsweng:**  
Impala proposes to expand the existing waste rock dump (WRD) at Shaft 16 and conduct opencast activities at Pit 8C. In light of this, the following NEMA listed activities of Regulation 544 Listing Notice 1 are triggered: Impala e itshitsinye go oketsa thothobolo ee leng teng ya masalela a matlapa (WRD) kwa Shaft 16 le go diragatsa ditirelo tsa moepo oo aifhanneng ka Pit 8C. Mo leasding la seno, ditirelo tse di latelang tse di kwedilweng mo Regulation 544 Listing Notice 1 di simolotswa:

- **Tirelo 23:** Phetogo ya go sa tlhabetlwe, ishenyego le lefathe le le serang ope. Ka seo, dikgeto dile pedi tsa tshitsinyo ya koketso ya Pit 8C le Shaft 16 WRD di dikgolo go feta haketara ele 1 mme e nnye mo go dlhakeleteng die 20 tse di leng mo bontlha bongweng jwa lefathe le le serang ope la sa tlhabetlweng;
- **Tirelo 28:** Koketso ya ditirelo tse di leng teng tsa tsamaiso nngwe le nngwe kgotisa tiralo mo koketso e ita bakeng thokogo ya lekwalo taolo kgotisa la letla le leswe, kgotisa le le baakamsweng la kgoitlweo moape ya porofense lele leolang go nshetswa ntle kgotisa kgoitlweo. Ka seo, ba WRD dikoketso di ita thake paakanyo ya lekwalo letla la tiriso ya metsi

**Lefelo la ditirelo tse di tshitsintsweng:**  
Ditirelo tse di tshitsintsweng di ita bo dile kwa Impala Rustenburg mining operations mo dipoleasing tsa Reinikoyakraal 278 JQ, Vaalkop 275 JQ le Beerfontein 263 JQ.

**Leina la moaalojodi o go ikgolannwang le ena:**  
SLR Consulting (Africa) (Pty) Ltd  
Ikgolanye le: Mme Caitlin Pringle  
Aterese ya Poso: PO Box 1596, Cramerview, 2060  
Mogala: (011) 467-0945  
Fekese: (011) 467-0978  
E-mail: [cpringle@slrconsulting.com](mailto:cpringle@slrconsulting.com)  
**Lefela la kutiso ya papatso eno:**  
17 August 2012

**Itwadiso ya Maloko sa Amosang le sa nang le Kgoitlweo la go isa ditshwalo:**  
Go netafatsa gore o kaitlwe jaaka leloko le le amegang le le nang le kgoitlweo, ka kopo neelana ka leina la gago, dithisa tsa kgoitlweo le kgoitlweo ya gago ka go hwaletsa motho kgotisa batho ba ba kaitlweing fa godimo mo matsateng ale 30 morago ga kgetiso ya papatso eno.

**Tsheditsoetso ya tlaleletso:**  
Go bona tsheditsoetso ya tlaleletso ka ga porojekte ee tshitsintsweng, ka kopo ikgolanye le moaalojodi yoo kaitlweing fa godimo.





Pit8C Site: Notice 1 (entrance to Impala Hospital)



Pit8C Site: Notice 2 (parking lot at Impala Hospital)



Shaft 16 WRD Expansion Site: Notice 1 (pedestrian entrance to Shaft 16)



Shaft 16 WRD Expansion Site: Notice 2 (fence adjacent to Shaft 16 access road)



Shaft 16 WRD Expansion Site: Notice 3 (vehicle entrance to Shaft 16, existing WRD in background)

**INRC**  
Tel: (014) 6921791 / 4  
E-MAIL: infopers@mwweb.co.za  
40 A Heystek Street Rustenburg

**apso**  
Tel: (014) 6921791 / 4  
E-MAIL: infopers@mwweb.co.za  
40 A Heystek Street Rustenburg

**URGENTLY LOOKING FOR: OWNER DRIVERS (AA) X 50 CO 14 + PDP DRIVERS NEG. Gr1/12. Min 5 years experience. Good verbal communication skills. Contact Annelize**

**QUALIFIED MEDICAL TECHNOLOGIST. (THABAZIMBI) NEGOTIABLE. With HPCSA registration for Biomedical Technology. Contact Annelize**

**FURNITURE STORE LOOKING FOR BRANCH MANAGER (RUSTENBURG) R15 000 Neg. With Pre retail Manager experience. Contact Vanessa**

**SENIOR ELECTRICAL COUNTER SALES (RUSTENBURG) R15 000 – R20 000 Neg. Gr12. Min 5 years experience in Electrical Sales. Contact Vanessa**

**2 X SECURITY (RUSTENBURG) R Neg – Needed for a large store. Contact Vanessa**

**JUNIOR ARTICLE CLERK (RUSTENBURG) R5 000 – R10 000. Must have strong Pastel Accounting experience with a valid drivers license. Contact Vanessa**

**DEBTORS & CREDITORS LADY (RUSTENBURG) R5 000 – R7 000 Neg. Needed with at least 4 years, full function in debtors / creditors with Pastel. Must have own transport & drivers license. Contact Yolanda**

**INTERNAL IT SALES PERSONS (RUSTENBURG) NEG + COMM. Previous working exp within IT industry, to sell IT equipment and consumables. N+, A+, Certificates and traceable working references. Contact Yolanda**

**RENTAL SALES AGENT (RUSTENBURG) R6 280.00. Must have Gr12, tertiary qualifications in travel and tourism to your advantage. Excellent customer service with communication at all levels. Computer literacy essential with valid drivers license. The Affirmative action principals as set out in the Employment Equity Act will be applied. Contact Yolanda**

**RIGGER (BOSHOEK) R Neg – Gr12 or N3 a must. Section 13 Trade Certificate. 5 Years mining experience. Contact Helen**

**3 X INTERNAL SALES (RUSTENBURG) R2 500 BASIC + COMM. With previous experience. Contact Vanessa**

OR CONTACT US FOR DETAILS ON 011 252 6669  
Please note that this Personnel and Under NO CIRCUMSTANCES should contact us for any purpose

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**Mechanical Foreman Durban**  
N6 +T/test & 3yrs exp.  
for major co. -R 450 000 pa.

**Snr Mining Engineer Limpopo**  
BSC Degree +3yrs open pit exp.  
for major co - Salary neg.

**Engineer - Richards Bay**  
With GCC (Mines & works) + 3-5yrs exp. (mech /electrical)

Email: [multitech@telkomsa.net](mailto:multitech@telkomsa.net)  
Tel: 031 702 4500  
Fax: 086 610 5750

**BATHUSI**  
SPECIALIST SERVICES

**URGENTLY REQUIRED**

- LMS/AMS IT Technician – Steelpoort / Burgersfort – Limpopo Province
- Lamproom Co-ordinator / Supervisor / Project leader – Westonaria – Gauteng
- Certified Lampman – Rustenburg x 3
- Senior Lamproom Operators – Rustenburg x 2
- Lamproom Operators – Rustenburg x 16
- Site Administrator – Rustenburg x 1

Full detailed CV with valid certificates must be attached and sent to:  
Standard Bank Building 1<sup>st</sup> Floor, 121 Keik Street, Rustenburg or Call 014 592 4161 | Fax : 014 592 0160  
or e-mail: [christnam@primeserv.co.za](mailto:christnam@primeserv.co.za)  
[jeonte@primeserv.co.za](mailto:jeonte@primeserv.co.za)

**Worker dies at Mponeng gold mine**

Carletonville – Miner AngloGold Ashanti on Monday (Aug 13) reported the death of an employee at its Mponeng mine, near Carletonville.

The gold miner stated that the deceased, an electrician, was electrocuted while conducting the quarterly inspection and testing of a mini-substation on Sunday morning. AngloGold Ashanti said the Department of Mineral Resources and other relevant parties had been notified and that an on-site inspection was conducted on Sunday afternoon. Further investigations continue.



Mponeng Mine, near Carletonville

[www.platinumweekly.co.za](http://www.platinumweekly.co.za)

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**VACANCIES**

**BLUE PLATINUM VENTURES** invites the following persons to forward their CVs:

- Diesel Macs/Filters
- Auto Electricians
- Qualified Electricians
- Rigger Ropes Man

Applicants must have experience in trackless machinery and section 13 qualification

- Instrument Technicians
- Boilermakers

Applicants must have a National Diploma in HRD/HR

If you have been certified competent on the above, please forward your CV and Certificates to the following contacts:

Fax: 0865178822  
Email: [mwjgw@iafrica.com](mailto:mwjgw@iafrica.com)  
Elize: 083 4388 431

**ENVIRONMENTAL ASSESSMENT PROCESS FOR THE PROPOSED SHAFT 16 WASTE ROCK DUMP EXPANSION AND OPENCAST ACTIVITIES AT PIT 8C RUSTENBURG OPERATIONS IMPALA PLATINUM LIMITED**

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**DEDECT reference number**  
NWP/EIA/47/2012

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**Name of consultant to contact**  
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**Date of publication of this advert:**  
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Maak seker dat u nie die vertoning van Natasha van Breda eerskomende Sondag, 19 Augustus misloop nie. Hierdie talentvolle kunstenaar tree om 18:00 by die PPK Rustenburg-Wes (Klopperstraat 277) op. Vir inligting kan pastoor Danie Eastes by 082 852 4058 geskakel word.



Die maatjies van Wielie Walie Kleuterskool het hierdie smaaklike en pragtige "Hansie en Grietjie"-huisie gemaak tydens die onlangse Bak en Brou-dag by die skool. Mmmm, lyk lekker né!



Sunbake Rustenburg se betrokkenheid in die gemeenskap ken geen perke nie en hulle het weer eens hul harte groot oopgemaak deur 'n weeklikse donasie van brood aan die G-Om Projek. Hier is Pieter van Sunbake saam met maatjies Sharon, Arno, Angelo, Levandré, Robyn en Zuraida. Sunbake het onderneem om elke week vir elkeen van die 50 kinders van die projek 'n brood te skenk wat hulle kan saamneem huis toe. Hulle skenk ook gereeld brode tydens ander projekte soos byvoorbeeld die Kinderweek.



Ons ogies is baie belangrik! Die maats van die G-Om Projek se ogies is onlangse deuri Specsavers Safarituine getoets om seker te maak dat die kleingloed se ogies kleingloedboom is. Hier is Wendy van Specsavers se ogies om Lanipie se oë te toets.



Die kinders van die G-Om Projek se oë is onlangs weer die bekwarne span van Specsavers Safarituine getoets. Vir die tweede jaar het die dames die skool besoek om die oogtoets uit te voer aangesien dit moeilik is om die jongspan te vervoer. Hier is Lize (Specsavers) en die jongste Tola van G-Om.

## 'n Prinses of 'n cowboy?

RUSTENBURG - Menige dogtertjie droom daarvan om eendag die pragtigste prinsesse onder die reënboog te wees. Menige seuntjie droom hy kan 'n wilde woeste Cowboy van die Weste wees wat met sy perd en geweer die wêreld kan trotseer! Seuns en dogters - jou droom kan waar word!

Op Saterdag, 1 September kan alle voornemende cowboys en prinsesse onder 8 jaar kom deelneem aan die onderskeie kompetisies by die Willerste Fees onder die Reënboog, Kockstraat 1531. Jy kan op 1 September voor 09:30

ook inskryf, maar doen dit liever vooraf by Jessie Malan (082 449 7797) en staan 'n kans om hope pryse los te slaan. Daar is twee kategorieë vir dogters: Mej Lente (onder 8 jaar) en Mej Bloei (onder 4 jaar); asook die kategorie vir seuns onder 8 jaar genaamd: Mur Willerste Weste. Trek gerus volgens tema aan, dit kan net jou kans op 'n prys verbeter!

Dan is daar ook nog baie ander dinge om kinders op die dag te vermaak; kom neem deel aan die kleinkonkors, of wat van 'n ponier, die reuse gylbaan en space rocket, of miskien kettieskiet, pyl en boog, Tombola, gesigverf, en ander spelletjies en lekkertjies?

Onthou: dit word alles aangebied op die Kerkerrein van die Hervormde Gemeente Rustenburg-Suid op 1 September!



Gesigverf is een van die talle pretaktiwiteite waarmee die kleingloed besig gehou word tydens die Willerste Fees.

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**DEDET Reference number:**  
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**Additional information:**

To obtain additional information about the proposed project, please contact the above mentioned consultant.

#### NOTICE OF ENVIRONMENTAL IMPACT ASSESSMENT PROCESS: BASIC ASSESSMENT PROCESS

Construction of the proposed 132/22kV Ledig Substation; a 4km 132kV Powerline from the proposed Ledig Substation to the existing Sun City Substation and 33km 132kV Powerline from Ledig Substation to Manyane Substation, North West Province.  
DEA/EIA Ref No.: 14/12/16/3/3/1/655 and NEAS Ref No.: DEA/EIA/0001360/2012

Notice is hereby given in terms of the Environmental Impact Assessment (EIA) Regulations of Government Notice No. R. 543, 544 and 545 of 18 June 2010 as amended and in terms of Section 24 (5) of the National Environment Management Act (NEMA) (Act No. 107 of 1998) of Eskom's intent to carry out the following activity:

**Nature of Activity:** The proposed project involves construction of a new 132/22kV Ledig Substation, a 4km 132kV Powerline from Ledig Substation to the existing Sun City Substation and 33km 132kV Powerline from Ledig Substation to Manyane Substation.

In terms of sections 24(2) and 24D of the NEMA, read with GN R. 543 and R 544 of 18 June 2010, an EIA is required for the proposed development. For the purpose of this development the following listed activity is applicable:

Listing Notice 1. GN R. 544, Activity 1D. The construction of facilities or infrastructure for the transmission and distribution of electricity - (f) Outside urban areas or industrial complexes with a capacity of more than 33kiloVolts but less than 275 kiloVolts.

**Location:** The project is located in Rustenburg and Moses Kotane Local Municipalities, Bojanala District: North West Province. The proposed Ledig Substation is near Sun City Mall approximately 40km from Rustenburg Town on Portion 11 of Frischgewaag 96 JQ at co-ordinates E250 22'15.2" - 5270 S 16.4". The powerline corridor runs parallel to R556 road from the substation and turns into a northerly direction traversing through the following farms: RE of Snydrikt 90 JQ, Portion 4 of Waagfontein 89 JQ, Portions 3, 7, 8 and RE of farm Rhenhoestfontein 86 JQ, RE of Buffelsfontein 85 JQ, RE Zandrikt 82 JQ, Portion 1, 6, 7 and 9 of Klipfontein 60 JQ and Portion 2 of Olievenboom 62 JQ.

**Stakeholder Meeting and Open day:** As part of the Public Participation process, you are invited for a Stakeholder Meeting and Open day to be held on Tuesday the 18th day of September 2012 at Sun Down Ranch at 1DHD.

**Name of Applicant:** Eskom Holdings SOC Limited, Rustenburg Operating Unit has applied for authorization from the competent Authority, the Department of Environmental Affairs (DEA).

**ESKOM Contact Person:** Owen Mokwala  
P.O. Box 1319, Rustenburg, 0300  
Tel: 014 565 1169; Cell: 082 358 6419; Fax: 014 565 1131  
E-mail: MokwalaO@eskom.co.za

**Name of Consultant:** In order to ensure your continued involvement in this project, please ensure that you are registered as an interested and affected party within 40 days of this notification. Please submit your comments and/or objection in relation to this application in writing via post fax or email to: Shumanl SHE Specialists:

Contact person: Khakhathi Mulaudzi or Nyasha Mapira  
P.O. Box 55904, Polokwane 0700  
Tel: +27 (0) 15 291 0744/85 Cell: +2779 352 8155 or +2772 0565 910  
Fax: +27 (0) 15 291 0863  
Email: mulaudzi@shumanlshe.co.za or nyasha@shumanlshe.co.za

Please quote DEA Ref number: DEA EIA Ref No.: 14/12/16/3/3/1/655 and NEAS Ref No.: DEA/EIA/0001360/2012 in all correspondence.  
Contact person: Khakhathi Mulaudzi or Nyasha Mapira  
P.O. Box 55904, Polokwane 0700  
Tel: +27 (0) 15 291 0744/85 Cell: +2779 352 8155 or +2772 0565 910  
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**IMPALA PLATINUM LIMITED (IMPALA)**

**MINUTES OF MEETING WITH RBA**

DATE	Tuesday 31 July, 2012
VENUE:	RBA Civic Centre, Phokeng
PROJECT:	Shaft 16 waste rock dump expansion and Pit8C projects
SLR COMPANY:	SLR Africa
PROJECT NUMBER:	710.09003.00092
PURPOSE:	The purpose of the meeting was to: <ul style="list-style-type: none"><li>• Introduce the project to the RBA as landowners</li><li>• Put forward the proposed stakeholder consultation strategy and revise if necessary</li><li>• Receive input from the RBA on how to engage the RBA going forward</li></ul>
ATTENDANCE:	A full attendance register is provided in appendix 1.

**1. OPEN AND INTRODUCTION**

Brandon Stobart (BS) opened the meeting, welcoming all delegates. The purpose of the meeting was outlined as being three-fold. Firstly to introduce the project and receive comments from the RBA in their capacity as landowners, secondly to propose the stakeholder consultation strategy envisaged by SLR and if necessary revise this with the input of the RBA, and thirdly to receive input on the RBA's preferences for future interaction on the projects.

**2. DISCUSSION**

BS provided an overview of the proposed projects using a map showing the location of Shaft 16 waste rock dump expansion and Pit8C sites. In addition to this, delegates were provided with maps showing both regional and local settings of the proposed project as well as the letter of intent submitted to the RBA on 25 July 2012.

All the issues raised/questions asked during the meeting with responses given by the project team are presented in Appendix 2.

**3. THE WAY FORWARD**

The way forward was outlined as follows:

- Reotshepile Tlhapane (RT) and Johanna Tau (JT) would confirm the name of the relevant farmer whom should be consulted with regards to the dry-land sunflower cultivation at Shaft 16 waste rock dump expansion site

- The RBA agreed that the stakeholder engagement strategy proposed by SLR was sufficient and that the Future Forum could be used to engage a broader forum. Community meetings would therefore not be necessary as the Future Forum would incorporate all representatives and ward councillors
- JT would confirm the proposed date for the next Future Forum meeting
- Caitlin Pringle (CP) would finalise the meeting minutes and make available to all delegates
- CP would provide Khalid Patel (KP) with the minutes from the pre-application meeting held with the DMR

#### **4. CLOSE**

The meeting was closed by BS who thanked delegates for attending the meeting and providing SLR with an opportunity to engage them in the environmental process.



**APPENDIX 1: ATTENDANCE REGISTER**

<b>Name and Surname</b>	<b>Interest in project</b>	<b>Postal address</b>	<b>Contact numbers</b>	<b>E-mail</b>
Brandon Stobart	SLR	P.O. Box 1596 Cramerview, 2060	011 467 0945	<a href="mailto:bstobart@slrconsulting.com">bstobart@slrconsulting.com</a>
Caitlin Pringle				<a href="mailto:cpringle@slrconsulting.com">cpringle@slrconsulting.com</a>
Samir Rander-Rees	SLR (intern)			<a href="mailto:srander-rees@slrconsulting.com">srander-rees@slrconsulting.com</a>
Josephine Krzyzanowska	<b>Impala</b>	<b>P.O. Box 5683,</b>	014 509 7963	<a href="mailto:Josephine.kryz@implats.co.za">Josephine.kryz@implats.co.za</a>
Annah Kgaswane		Rustenburg, 0300	082 903 1184	<a href="mailto:Annah.kgaswane@implats.co.za">Annah.kgaswane@implats.co.za</a>
Johanna Tau			082 804 5226	<a href="mailto:Johanna.tau@implats.co.za">Johanna.tau@implats.co.za</a>
Advocate Kenneth Mokate	RBA Mining Committee	P.O. Box 1	014 566 1497	<a href="mailto:Modisaotsile.mokate@bafokeng.com">Modisaotsile.mokate@bafokeng.com</a>
Reotshepile Tlhapane		Phokeng	082 963 1454	<a href="mailto:reotshepile@bafokeng.com">reotshepile@bafokeng.com</a>
Itumeleng Huma			014 566 1208	<a href="mailto:Itumeleng.huma@bafokeng.com">Itumeleng.huma@bafokeng.com</a>
Khalid Patel	EIMS	P O Box 2083	011 789 7170	<a href="mailto:khalid@eims.co.za">khalid@eims.co.za</a>
Bradley Wilson		Pinegowrie 2123	083 565 2355	<a href="mailto:bradley@eims.co.za">bradley@eims.co.za</a>

**APPENDIX 2: RECORD OF ISSUES RAISED AND RESPONSES GIVEN**

NAME	ISSUE RAISED	RESPONSE GIVEN BY PROJECT TEAM
<b>Procedural issues</b>		
If the projects are being combined into a single environmental process and report how will the financial provision be catered for?	Khalid Patel	The financial provision for the projects will be split, as was done in the Impala Consolidation report.
When will the Consolidation report be approved?		SLR has received comments from the DMR, but does not yet have confirmation of when a Record of Decision will be issued. This could be within the next few months.
Will the Pit8C and Shaft 16 waste rock dump expansion project therefore be excluded from this Consolidation?		Every new project has its own EIA report, however the EMP remains consolidated.
Will the financial provision then be updated?		The financial provision will be update. Impala will not receive authorisation without doing so.
Was Impala issued a directive from Water Affairs following the identification of the groundwater pollution issue?		This was not done under instruction. This was Impala's own initiative following the monitoring results from their own boreholes.
<b>Technical/project-related issues</b>		
Where is the additional rock coming from to necessitate the expansion of the waste rock dump?	Khalid Patel	The waste rock dump expansion is not driven by the addition of waste rock tonnage. It is primarily driven by Impala's initiative to address pollution concerns associated with the current waste rock dump. It follows that the proposed expansion requires a greater footprint because it will be designed with flatter slopes.
<b>Landuse issues</b>		
What about the agricultural activities taking place at the Shaft 16 waste rock dump expansion area?	Reotshepile Tlhapane	The proposed site for the shaft 16 waste rock dump expansion is currently comprised of vacant, undisturbed veld and dry-land sunflower cultivation. The RBA and Impala should engage with the relevant farmer with regards to compensation for lost ground. Compensation could either be in the form of financial remuneration for the loss in harvest or the sourcing and preparation of alternative land for cultivation. This is dependent on the timing of the proposed project and could be managed so as not to cause any loss to harvesting season. Reotshepile would need to identify the relevant farmer so that they can be consulted as early as possible in the process. Following engagement with individual farmers, the relevant Farmer's Union should be consulted. Reotshepile should also confirm whether there is a formal lease/landuse agreement with farmers for cattle

<p>Is there a piece of land which Impala has in mind to provide as an alternative for the farmer affected at Shaft 16 waste rock dump expansion site?</p>	<p>Itumeleng Hume</p>	<p>grazing at the Pit8C site. In the past, the RBA has identified the land and Impala has covered the upfront costs of clearing and preparing the land for cultivation. It must also be noted that given that Pit8C will be temporary in nature, the site will be returned to its pre-disturbed landuse capacity. Shaft 16 waste rock dump expansion will be a permanent feature and the agricultural land will not be returned following the closure thereof.</p>
<p>Impala must help us to buy more land. The RBA is in the process of purchasing 5000 ha and need more funds. Perhaps the agreement with Impala could be improved. Our agricultural land is comprised of black-turf soils which are fertile and the groundwater used for watering of cattle is subject to pollution. Provided that we are compensated with land which is well grassed and has good water, our farmers would relocate happily. The RBA would then allow Impala to use the existing land fuss-free.</p>	<p>Advocate Kenneth Mokate</p>	<p>This will probably require reconsideration of the current surface lease agreement. This idea will be passed on the Impala legal department. This is something that will be discussed at the next Impala-RBN meeting.</p>
<p><b>Groundwater issues</b></p>		
<p>Groundwater pollution (in the form of nitrates) is increasing every day. Ten years from now our water will be highly toxic to our people and livestock.</p>	<p>Advocate Kenneth Mokate</p>	<p>If this is the case, it is worth noting that in many cases there are technical solutions to treating water, this includes solutions such as the pump and treat method.</p>
<p><b>Rehabilitation issues</b></p>		
<p>How sure are you that rehabilitation will be feasible?</p>	<p>Khalid Patel</p>	<p>The project team is confident that rehabilitation will be feasible. Impala has a ten year track record of successful rehabilitation and will continue to do so in accordance with their EMP commitments.</p>



Project: 710.09003.00092

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

Date: 31 July 2012



Meeting: Pit8C and Shaft 16 waste rock dump expansion project: meeting with the RBA

Name and Surname	Interest in project	Postal address	Contact numbers	E-mail
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**IMPALA PLATINUM LIMITED (IMPALA)**

**MINUTES OF FOCUSED MEETING WITH FUTURE FORUM**

DATE	Friday 17 August, 2012
VENUE:	Shaft 6 boardroom, Impala
PROJECT:	Shaft 16 waste rock dump (WRD) expansion and Pit8C projects
SLR COMPANY:	SLR Africa
PROJECT NUMBER:	710.09003.00092
PURPOSE:	The purpose of the meeting was to: <ul style="list-style-type: none"><li>• Introduce the project to the Future Forum</li><li>• Provide an overview of existing status of environment</li><li>• Provide information on potential impacts</li><li>• Provide an opportunity for the Future Forum to raise issues and concerns to be addressed at a later stage in the EIA/EMP process</li><li>• Identify possible specialist investigations.</li></ul>
ATTENDANCE:	A full attendance register is provided in appendix 1.

**1. OPEN AND INTRODUCTION**

Mathias Sithole (MS) of Impala opened the meeting, welcoming all delegates. A brief silence was held for lives lost at Lonmin's Marikana Mine. The agenda was introduced and MS outlined that SLR would give delegates an introduction to Impala's proposed Pit8C and Shaft 16 WRD Expansion projects, prior to being excused from the meeting. Annah Kgaswane (AK) then gave a formal introduction to the SLR team which comprised Caitlin Pringle (CP) as project manager and Natasha Daly (ND) as project assistant.

**2. PRESENTATION**

CP gave a presentation of the proposed Pit8C and Shaft 16 WRD projects. The presentation (attached in Appendix 2) included the following aspects:

- project overview;
- environmental process overview (scoping phase, EIA/EMP phase and basic assessment report phase);
- status of the existing environment (both sites located adjacent to existing mining operations and infrastructure, with the Pit8C site being comprised of some undisturbed veld used for ad-hoc grazing and Shaft 16 WRD expansion site being used mostly for dryland sunflower cultivation);
- potential impacts;
- way forward for scoping; and a
- general discussion.



CP highlighted that the purpose of the focused scoping meeting was to record all issues and concerns raised by the Future Forum and that responses to issues and concerns raised would be addressed during the EIA/EMP and Basic Assessment phase when more information on the projects was available.

All delegates were provided with a map showing the local setting of the proposed projects and ward councillors of Wards 4, 23, 24 and 38 namely Lebogang Sephai, Victoria Makhaula, Tseho Makopo and Sannah Motshegwe respectively were provided with letters of intent providing notification of Impala's proposal to develop Pit8C and the WRD expansion at Shaft 16.

### **3. DISCUSSION**

A brief discussion was held, where CP invited all delegates to raise any concerns or issues which SLR would record for attention during the EIA/EMP phase. All the issues raised/questions asked during the meeting are presented Appendix 3.

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

The way forward was outlined as follows:

- the Scoping Report will be made available for public and authority review in September 2012, with summary documents (English/Setswana) being distributed by post/email;
- public review venues for Scoping Report review would include: Rustenburg Library, Rustenburg Local Municipality, Bojanala Platinum District Municipality, Phokeng Civic Centre, and Impala's Stakeholder Engagement department;
- IAP's would have thirty (30) days to submit comments
- Specialist investigations would be conducted and the Basic Assessment Report and EIA/EMP Report would be completed and made available for public review;
- Stakeholder feedback meetings would be held during next phase to facilitate the review of the reports.

### **5. CLOSE**

SLR thanked the Future Forum for providing the opportunity to present and introduce Impala's proposed Pit8C and Shaft 16 WRD expansion projects. MS thanked SLR for their input and excused them from the meeting at 10h00.

APPENDIX 1: ATTENDANCE REGISTER

Name and Surname	Interest in project	Postal address	Contact numbers	E-mail
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Lebogang Malaka	TEBA		072 232 1483	<a href="mailto:Lebogangm@teba.co.za">Lebogangm@teba.co.za</a>
Meshack Pitsoe	Impala		083 502 8821	<a href="mailto:Meshack.pitsoe@implats.co.za">Meshack.pitsoe@implats.co.za</a>
Selebaleng Pule	Secretary: Ward 7		078 020 0844	
Phenias Motsoadi	Ward Councillor: Ward 7		082 840 7929	
Glynis Scott	Impala		014 569 7548	<a href="mailto:Glynis.scott@implats.co.za">Glynis.scott@implats.co.za</a>
Lazarus Nthsingila	TEBA		082 736 9051	<a href="mailto:lazarusn@teba.co.za">lazarusn@teba.co.za</a>
Lucky Kgaladi	Ward Councillor		072 884 8322	<a href="mailto:cirkgaladi@rustenburg.gov.za">cirkgaladi@rustenburg.gov.za</a>

Name and Surname	Interest in project	Postal address	Contact numbers	E-mail
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Levy Ietlape	Ward Councillor: Ward 26		071 793 9144	
Lebogang Sephai	Ward Councillor: Ward 4		083 708 2501	<a href="mailto:Lebogang.sephai@implats.co.za">Lebogang.sephai@implats.co.za</a>
Ondela Kiva	Impala		014 569 0320	<a href="mailto:Ondela.kiva@implats.co.za">Ondela.kiva@implats.co.za</a>
Sannah Motshegwe	Ward Councillor: Ward 38		072 862 4944	<a href="mailto:Tizza.supermarket@yahoo.com">Tizza.supermarket@yahoo.com</a>
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Karen Otto	Impala		082 801 3910	<a href="mailto:Karen.otto@implats.co.za">Karen.otto@implats.co.za</a>
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## APPENDIX 2: PRESENTATION



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**IMPALA PLATINUM LIMITED**


**PROPOSED SHAFT 16 WASTE ROCK DUMP EXPANSION AND PIT8C PROJECT**

**SCOPING PHASE: FOCUSED MEETING WITH FUTURE FORUM**

AUGUST 2012

**AGENDA**

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




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**PROJECT OVERVIEW**

- Impala is proposing to conduct open cast activities at Pit8C, located on the farms Vaalkop 275 JQ and Beerfontein 263 JQ, and to expand the existing waste rock dump (WRD) at Shaft 16 located on the farm Reinkooyalskraal 278 JQ
- In this regard, the following is relevant:



**Pit8C**  
The proposed Pit8C project will be mined using conventional opencast mining techniques. In this regard a boxcut will be developed when mining commences. Topsoil will be removed and stockpiled, overburden will be drilled, blasted and removed, and ore will be removed and sent for crushing at the existing crusher plant. The open pit will then be closed by backfilling and replacing the stored topsoil on top of the overburden and then vegetation will be re-established. The expected life of operation is approximately 1 year.

**Shaft 16 WRD**  
The existing WRD at Shaft 16 was built in accordance with the approved EIA/EMP report for Shaft 16. Impala is now proposing to expand the WRD in order for effective pollution containment. In this regard, the expanded WRD will cover an area of approximately 19 hectares.



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**LOCAL SETTING**

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**ENVIRONMENTAL PROCESS (1)**

**Why?**

- Impala cannot proceed with projects without government approval and before a decision is given, an EIA is required

**What?**

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




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**ENVIRONMENTAL PROCESS (2)**

**How?**

- Participation of interested and affected parties
- Use of existing specialist investigations
- Reporting (Scoping, EIA/EMP and Basic Assessment Report)
- 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 Agriculture, Forestry and Fisheries (DAFF)
- Department of Rural Development and Land Reform (DRDLR)

**Local authorities**


- Rustenburg Local Municipality
- Bojanala District Municipality

SLR 

### ENVIRONMENTAL PROCESS (4)

**Different stages**


- Scoping phase - we do not yet have the answers
- Environmental Impact Assessment and Environmental Management Programme (EIA and EMP) phase – MPRDA
- Basic Assessment - NEMA

SLR 

### 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
- Discuss the way forward

SLR 


### STATUS OF THE EXISTING ENVIRONMENT

**Pit8C site**

- Located adjacent to existing Impala mining infrastructure and activities (including roads, railway line, stores and workshops)
- Part of the site is comprised of undisturbed veld which is used for ad-hoc cattle grazing


**Shait 16 WRD expansion site**

- Located adjacent to the existing WRD and associated infrastructure at Shait 16 (including access road and railway line)
- The majority of this land has been transformed for dry land sunflower cultivation (currently farmed by Mr Basi Ntshimane), with a small portion remaining vacant and undeveloped

SLR 


### POTENTIAL ENVIRONMENTAL IMPACTS

- Soils (erosion, compacting, soil pollution)
- Biodiversity (loss of fauna and flora)
- Surface water (contamination and drainage pattern alteration)
- Groundwater (contamination and reduction in levels)
- 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 projects could result in additional jobs. Negative impacts eg. Influx of people in search of work)
- Safety (hazardous infrastructure and excavations)

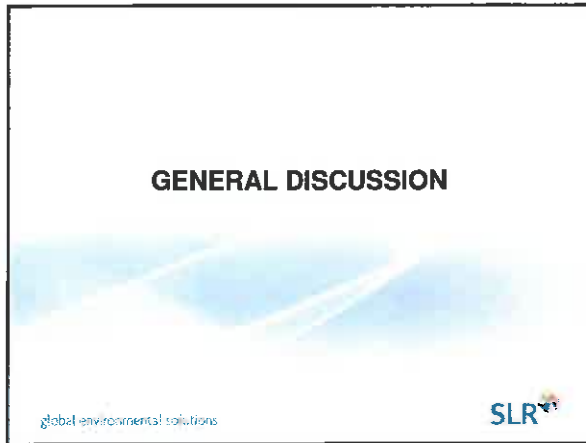
SLR 

### WAY FORWARD

- Scoping Report public and authority review (September 2012)
  - Scoping report (English): at public venues
  - Summary (English/ Tswana): per post/ e-mail, distribution as per suggestion of the Future Forum
- Suggested venues: Rustenburg Library, Rustenburg Local Municipality, Bojanala Platinum District Municipality, Phokeng Civic Centre, Impala Stakeholder Department
- IAPs: 30 days to submit comments
- Conduct specialist investigations and complete EIA/EMP and Basic Assessment Report (both for public review)
- Stakeholder feedback meetings in EIA Phase and opportunity to review EIA and EMP report

SLR 





APPENDIX 3: RECORD OF ISSUES RAISED AND RESPONSES GIVEN

NAME	ISSUE RAISED	RESPONSE GIVEN BY ANNAH KGASWANE
<b>Procedural issues</b>		
You mentioned public venues for report review. Some of the members in the communities can't read. I would like to suggest that the Future Forum presents the proposed projects to the communities so that they can understand.	Victoria Makhaula (Ward 23)	This can be arranged. The Future Forum will be provided with a copy of the presentation delivered by SLR.
We would like a copy of the presentation so that we can use this as information sharing with the communities.	Lebogang Sephai (Ward 4)	Keoikantse Mogalle will ensure that the Future Forum will be provided with a copy of the presentation delivered by SLR. In addition to this, a copy of the meeting minutes will be emailed to all delegates.
<b>Blasting issues</b>		
What is Impala doing about the blasting issues which have been raised in the past?	Victoria Makhaula (Ward 23)	A cracking survey was done in the Kanana community. Impala can arrange to meet with Mrs Mmope to address the concerns which she still has.
<b>Surface water issues</b>		
You mention surface water as part of your environmental definition. The dam in Kanana is already polluted and this is affecting the cattle. This is an issue which has been raised previously. As Impala what are you going to do?	Victoria Makhaula (Ward 23)	Impala has been engaging Sobantu and Khunou concerning water issues. Impala welcomes other community members to raise other surface water concerns which may be experienced. Impala recommends that Councillor Makhaula is present at the next meeting with Sobantu and Khunou.
<b>Heritage issues</b>		
There are graves at Shaft 16. Are they fenced? What is going to be done about them when Shaft 16 is expanded?	Victoria Makhaula (Ward 23)	The expansion refers only to the existing waste rock dump at Shaft 16. In this regard, the design thereof will be changed and therefore only Basi Ntsimane (dryland sunflower farmer at the proposed site) will be affected. There will be permanent loss of agricultural land and in light of this alternative land/compensation will be provided for him. Impala is engaging with the RBA in this regard. No graves have been identified at this site.







Meeting: Impala Future Forum Meeting




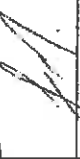







Date : 17 August 2012

Time : 9:00 -12:00










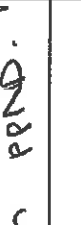
Venue : 6# Boardroom

ATTENDANCE REGISTER:

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MATHIAS SITHOLE	IMPALA	0829431572	mathias.sithole@implats.co.za	



Name & Surname	Organisation	Tel/cell	Email Address	Signature
JOHANNA TPAU	Impala	022 804 5226	johanna.tau@impalts.co.za	
LEVY LETAPE	WARD C. N 26	0717935144		
Leboana Senai Repubel Tnapane	Ward 04 Royal Botokes	083 708 2501 083 236013 0145261280	leboana.senai@mbplats.co.za rekshele@botokes.com	
Oudela Kwa	Impula	5690320	oudela.kwa@impalts.co.za	
Sanehu Moshogae	WARD 38 (CNR)	0725624944	tizza.supermarket@yahoo.com	
Thember Mofha	WARD 38 (COMOT)	0834964749	tizza.supermarket@yahoo.com	
Keo Moshhe	Impala	5693752	keo@keo-moshhe.com	
D. S. M. M. A.	IMPALA	069-3608	delindum@impalts.co.za	
Natasha Daly	SUR	011 4670945	ndalya@surconsulting.com	
Caitlin Pringle	SUR	011 4670945	cpringle@surconsulting.com	



**IMPALA PLATINUM LIMITED**

**SCOPING REPORT FOR THE PROPOSED SHAFT 16 WASTE ROCK  
DUMP EXPANSION AND OPENCAST ACTIVITIES AT PIT8C**

**DMR Reference Number: NW 30/5/1/2/3/2/1/131 EM and 133 EM**

**This is to certify that I**

**Basi Ntsimane**

pp. TUMELEINS Huma

**in my capacity as a representative of**

.....**Sunflower farmer at Shaft 16 WRD Expansion site.....**

**have received the following documents:**

**Please tick**

<b>20 copies (10 Setswana and 10 English) of the Scoping Report summary document for the proposed Shaft 16 WRD Expansion and Pit8C project</b>	
--	--

**Signature:** pp. Tumeleins Huma

**Date:** 13/09/12

to set out the terms of reference for the EIA/EMP amendment that will enable the meaningful assessment of all relevant environmental and social issues.

Please find attached 20 copies (10 Setswana and 10 English) of the Scoping Report summary document for your review and distribution. In addition to this, full copies of the Scoping Report have been made available for public review at the Rustenburg Municipality and the Rustenburg Public Library. Regulatory authorities and IAPs will be given until **Monday 22 October 2012** to review the scoping report and submit comments.

Comments can be made in writing via fax (011 467 0978) or e-mail ([cpringle@slrconsulting.com](mailto:cpringle@slrconsulting.com)). All comments received during the review period will also be forwarded to the DMR.

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

Kind regards



Caitlin Pringle

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



**IMPALA PLATINUM LIMITED**

**SCOPING REPORT FOR THE PROPOSED SHAFT 16 WASTE ROCK  
DUMP EXPANSION AND OPENCAST ACTIVITIES AT PIT8C**

**DMR Reference Number: NW 30/5/1/2/3/2/1/131 EM and 133 EM**

**This is to certify that I**

**Reotshepile Tlhapane (on behalf of the Future Forum)**

pp. TUMELENG HLUMA


**in my capacity as a representative of**

.....**Future Forum**.....

**have received the following documents:**

**Please tick**

<b>Four copies of the Scoping Report for proposed Shaft 16 Waste Rock Dump Expansion and Opencast Activities at Pit8C</b>	<input type="checkbox"/>
---	--------------------------

**Signature:** pp. 

**Date:** 13/09/2012

to set out the terms of reference for the EIA/EMP amendment that will enable the meaningful assessment of all relevant environmental and social issues.

Please find attached four copies of the scoping report for public review. Regulatory authorities and IAPs will be given until **Monday 22 October 2012** to review the scoping report and submit comments.

Comments can be made in writing via fax (011 467 0978) or e-mail ([cpringle@slrconsulting.com](mailto:cpringle@slrconsulting.com)). All comments received during the review period will also be forwarded to the DMR.

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

Kind regards



Caitlin Pringle

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

**IMPALA PLATINUM LIMITED**

**SCOPING REPORT FOR THE PROPOSED SHAFT 16 WASTE ROCK  
DUMP EXPANSION AND OPENCAST ACTIVITIES AT PIT8C**

**DMR Reference Number: NW 30/5/1/2/3/2/1/131 EM and 133 EM**

**This is to certify that I**

**Reotshepile Tihapane**

**pp TUMELENS HUMA** .....

**in my capacity as a representative of**

.....**RBA Mining Committee** .....

**have received the following documents:**

**Please tick**

<b>Three copies of the Scoping Report for proposed Shaft 16 Waste Rock Dump Expansion and Opencast Activities at Pit8C</b>	
--	--

**Signature:** pp TumeleNS Huma

**Date:** 13/09/2012

As part of the project's environmental impact assessment (EIA) and environmental management programme (EMP) amendment process, a scoping report has been produced. The main purpose of the scoping report is to set out the terms of reference for the EIA/EMP amendment that will enable the meaningful assessment of all relevant environmental and social issues.

Please find attached three copies of the scoping report for public review. Regulatory authorities and IAPs will be given until **Monday 22 October 2012** to review the scoping report and submit comments.

Comments can be made in writing via fax (011 467 0978) or e-mail ([cpringle@slrconsulting.com](mailto:cpringle@slrconsulting.com)). All comments received during the review period will also be forwarded to the DMR.

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

Kind regards



Caitlin Pringle

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



**IMPALA PLATINUM LIMITED**

**SCOPING REPORT FOR THE PROPOSED SHAFT 16 WASTE ROCK  
DUMP EXPANSION AND OPENCAST ACTIVITIES AT PIT8C**

**DMR Reference Number: NW 30/5/1/2/3/2/1/131 EM and 133 EM**

**This is to certify that I**

**Lebogang Sephai**

pp. DUMELENS HUMA

**in my capacity as a representative of**

.....Rustenburg Local Municipality: Ward 4.....

**have received the following documents:**

**Please tick**

50 copies (25 Setswana and 25 English) of the Scoping Report summary document for the proposed Shaft 16 WRD Expansion and Pit8C project	
---	--

**Signature:** pp. E. Huma

**Date:** 13/09/12

As part of the project's environmental impact assessment (EIA) and environmental management programme (EMP) amendment process, a scoping report has been produced. The main purpose of the scoping report is to set out the terms of reference for the EIA/EMP amendment that will enable the meaningful assessment of all relevant environmental and social issues.

Please find attached 50 copies (25 Setswana and 25 English) of the Scoping Report summary document for your review and distribution. In addition to this, full copies of the Scoping Report have been made available for public review at the Rustenburg Municipality and the Rustenburg Public Library. Regulatory authorities and IAPs will be given until **Monday 22 October 2012** to review the scoping report and submit comments.

Comments can be made in writing via fax (011 467 0978) or e-mail ([cpringle@slrconsulting.com](mailto:cpringle@slrconsulting.com)). All comments received during the review period will also be forwarded to the DMR.

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

Kind regards



Caitlin Pringle

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

**IMPALA PLATINUM LIMITED**

**SCOPING REPORT FOR THE PROPOSED SHAFT 16 WASTE ROCK  
DUMP EXPANSION AND OPENCAST ACTIVITIES AT PIT8C**

**DMR Reference Number: NW 30/5/1/2/3/2/1/131 EM and 133 EM**

**This is to certify that I**

**V.N Makhaula**

pt. I TUMELEINS Huma

**in my capacity as a representative of**

.....Rustenburg Local Municipality: Ward 23.....

**have received the following documents:**

**Please tick**

50 copies (25 Setswana and 25 English) of the Scoping Report summary document for the proposed Shaft 16 WRD Expansion and Pit8C project	
---	--

**Signature:** pt. I Tumeleins Huma

**Date:** 12/07/12

As part of the project's environmental impact assessment (EIA) and environmental management programme (EMP) amendment process, a scoping report has been produced. The main purpose of the scoping report is to set out the terms of reference for the EIA/EMP amendment that will enable the meaningful assessment of all relevant environmental and social issues.

Please find attached 50 copies (25 Setswana and 25 English) of the Scoping Report summary document for your review and distribution. In addition to this, full copies of the Scoping Report have been made available for public review at the Rustenburg Municipality and the Rustenburg Public Library. Regulatory authorities and IAPs will be given until **Monday 22 October 2012** to review the scoping report and submit comments.

Comments can be made in writing via fax (011 467 0978) or e-mail ([cpringle@slrconsulting.com](mailto:cpringle@slrconsulting.com)). All comments received during the review period will also be forwarded to the DMR.

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

Kind regards



Caitlin Pringle

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

IMPALA PLATINUM LIMITED

SCOPING REPORT FOR THE PROPOSED SHAFT 16 WASTE ROCK  
DUMP EXPANSION AND OPENCAST ACTIVITIES AT PIT8C

DMR Reference Number: NW 30/5/1/2/3/2/1/131 EM and 133 EM

This is to certify that I

S.M Motshegwe

pp ITUMELONS Huma

in my capacity as a representative of

.....Rustenburg Local Municipality: Ward 38.....

have received the following documents:

Please tick

50 copies (25 Setswana and 25 English) of the Scoping Report summary document for the proposed Shaft 16 WRD Expansion and Pit8C project	<input type="checkbox"/>
---	--------------------------

Signature: pp E Huma

Date: 13/09/12



As part of the project's environmental impact assessment (EIA) and environmental management programme (EMP) amendment process, a scoping report has been produced. The main purpose of the scoping report is to set out the terms of reference for the EIA/EMP amendment that will enable the meaningful assessment of all relevant environmental and social issues.

Please find attached 50 copies (25 Setswana and 25 English) of the Scoping Report summary document for your review and distribution. In addition to this, full copies of the Scoping Report have been made available for public review at the Rustenburg Municipality and the Rustenburg Public Library. Regulatory authorities and IAPs will be given until **Monday 22 October 2012** to review the scoping report and submit comments.

Comments can be made in writing via fax (011 467 0978) or e-mail ([cpringle@slrconsulting.com](mailto:cpringle@slrconsulting.com)). All comments received during the review period will also be forwarded to the DMR.

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

Kind regards



Caitlin Pringle

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

**IMPALA PLATINUM LIMITED**

**SCOPING REPORT FOR THE PROPOSED SHAFT 16 WASTE ROCK  
DUMP EXPANSION AND OPENCAST ACTIVITIES AT PIT8C**

**DMR Reference Number: NW 30/5/1/2/3/2/1/131 EM and 133 EM**

**This is to certify that I**

**T. Makopo**

.....PR. LUMELONG Huma.....

**in my capacity as a representative of**

.....Rustenburg Local Municipality: Ward 24.....

**have received the following documents:**

**Please tick**

<b>50 copies (25 Setswana and 25 English) of the Scoping Report summary document for the proposed Shaft 16 WRD Expansion and Pit8C project</b>	
--	--

**Signature:** PR. 

**Date:** 13/09/12

As part of the project's environmental impact assessment (EIA) and environmental management programme (EMP) amendment process, a scoping report has been produced. The main purpose of the scoping report is to set out the terms of reference for the EIA/EMP amendment that will enable the meaningful assessment of all relevant environmental and social issues.

Please find attached 50 copies (25 Setswana and 25 English) of the Scoping Report summary document for your review and distribution. In addition to this, full copies of the Scoping Report have been made available for public review at the Rustenburg Municipality and the Rustenburg Public Library. Regulatory authorities and IAPs will be given until **Monday 22 October 2012** to review the scoping report and submit comments.

Comments can be made in writing via fax (011 467 0978) or e-mail ([cpringle@slrconsulting.com](mailto:cpringle@slrconsulting.com)). All comments received during the review period will also be forwarded to the DMR.

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

Kind regards



Caitlin Pringle

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



Project Reference: 710.09003.00092

12 September 2012

**IMPALA PLATINUM LIMITED**  
**ENVIRONMENTAL SCOPING REPORT FOR THE PROPOSED SHAFT 16 WASTE ROCK DUMP (WRD)**  
**EXPANSION AND PIT8C PROJECTS**  
**SCOPING REPORT FOR PUBLIC REVIEW**

Dear Sir/Madam

## 1. INTRODUCTION

Impala Platinum Limited (Impala) operates a mining and processing operation approximately 16 km from Rustenburg. In 2005, the Department of Mineral Resources (DMR) approved the EIA/EMP amendment report for the mining of both the UG2 and Merensky reef using opencast and digging methods. A portion of the farm Vaalkop 275 JQ and Beerfontein 263 JQ was omitted from the original project area. Impala is proposing to undertake opencast activities referred to as the proposed Pit8C project, located on the farms Vaalkop 275 JQ and Beerfontein 263 JQ. The proposed Pit8C project will target only the Merensky reef. The location of the proposed Pit8C project is shown in Figure 1.

In addition to this, Impala is proposing to expand the existing waste rock dump (WRD) at Shaft 16, located on the farm Reinkoyalskraal 278 JQ. The existing WRD was constructed in accordance with the relevant approved EIA/EMP amendment report for Shaft 16. Impala is now proposing to expand the waste rock dump. The proposed expansion will cover an area of approximately 19 hectares. The location of the proposed Shaft 16 WRD expansion project is shown Figure 1.

SLR Consulting (Africa) (Pty) Ltd (SLR Africa), an independent firm of environmental consultants, has been appointed by Impala to manage the environmental process for the project components. In this regard, authorisation will be required from the DMR the Department of Economic Development, Environment, Conservation and Tourism (DEDECT), and the Department of Water Affairs (DWA).

As part of the project's environmental impact assessment (EIA) and environmental management programme (EMP) amendment process, a scoping report has been produced. The main purpose of the scoping report is to set out the terms of reference for the EIA/EMP amendment that will enable the meaningful assessment of

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SLR Consulting (Africa) (Proprietary) Limited

www.slrconsulting.com

Registered Address: Unit 7 Fourways Manor Office Park, 1 Macbeth Avenue, Fourways, 2055  
Postal address: PO Box 1596, Cramerville, 2050, South Africa  
Reg. No.: 1598/005175/07 VAT No.: 4309165887

Fourways Office: Physical address: Unit 7 Fourways Manor Office Park, 1 Macbeth Ave, Fourways / Postal address: P O Box 1596, Cramerville, 2060 / T: +27 11 467 0945 / F: +27 11 467 0978

Pretoria Office: Physical address: Atterbury Estate Office Park, Block 7 First Floor, 19 Frickie de Beer Str, Menlyn, Pretoria / Postal address: P O Box 40161, Faerie Glen, 0048 / T: +27 12 361 8118 / F: +27 12 361 3859

Durban Office: Physical address: 130 Phoenix House, 70 Buckingham Terrace, Westville, Durban / Postal address: P O Box 422, Westville, 3620 / T: +27 31 266 8083 / F: +27 86 600 5186

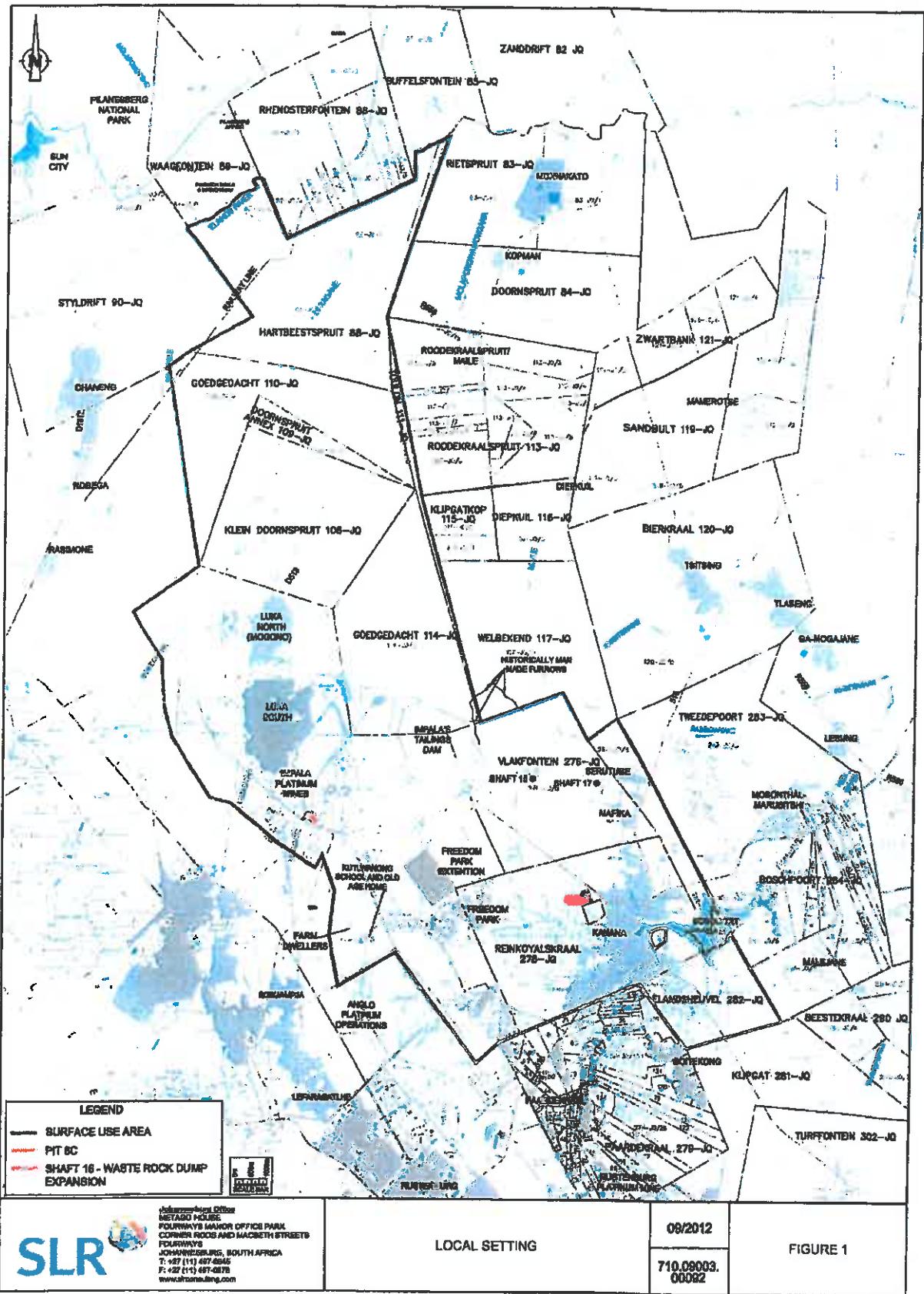
Rustenburg Office: Physical address: Medisen Building, Office no 10, Cor Piet Grobler and Brink Str, Rustenburg / Postal address: P O Box 21180, Protea Park, 00305 / T: +27 83 779 1730 / F: +27 11 467 0978



Directors: (Executive): A James, B Stobart, S Durmen, S van Niekerk, J (Non-Executive): A Sheppard, K Pieterse.



Figure 1: Local setting



NOTE: PROPERTY BOUNDARIES SHOWN CONCEPTUALLY ON THIS MAP

Regards

Caitlin Pringle



For SLR Consulting (Africa) (Pty) Ltd  
E-mail: [cpringle@slrconsulting.com](mailto:cpringle@slrconsulting.com)

Brandon Stobart





ISSUE RAISED	BY WHOM AND WHEN	RESPONSE GIVEN BY PROJECT TEAM (amended where relevant for the scoping report)
		<p>than 20 ha and are located in part on vacant land.</p> <p>Activity 28: The expansion of existing facilities for any process or activity where such expansion will result in the need for a new, or amendment of, an existing permit or license in terms of the national or provincial legislation governing the release of emissions or pollution, excluding where the facility, process or activity is included in the list of waste management activities published in terms of section 19 of the National Environmental Management: Waste Act, 2008 (Act No. 59 Of 2008) in which case that Act will apply.</p> <p>In this regard, the waste rock dump expansion will require an amendment of Impala's water license.</p>
<p>Does the Pit8C project require a WULA or an amendment to an existing WULA, or is it covered in a previous WUL for the mining area?</p>		<p>Given the temporary nature of the proposed Pit8C project, Impala is following the same approach as previously for the open pits which is not to apply for any water use licences unless dewatering from the pit becomes an issue – which is not currently expected to be the case.</p>
<p><b>Technical/project related issues</b> Where is the additional rock coming from to necessitate the expansion of the waste rock dump?</p>	<p>Khalid Patel, focused meeting with RBA, 31 July 2012</p>	<p>The waste rock dump expansion is not driven by the addition of waste rock tonnage. It is primarily driven by Impala's initiative to address pollution concerns associated with the current waste rock dump. It follows that the proposed expansion requires a greater footprint because it will be designed with flatter slopes.</p>
<p><b>Land use issues</b> What about the agricultural activities taking place at the Shaft 16 waste rock dump expansion area?</p>	<p>Reotshepile Tihapane, focused meeting with RBA, 31 July 2012</p>	<p>The proposed site for the shaft 16 waste rock dump expansion is currently comprised of vacant, undisturbed veld and dry-land sunflower cultivation. The RBA and Impala should engage with the relevant farmer with regards to compensation for lost ground. Compensation could either be in the form of financial remuneration for the loss in harvest or the sourcing and preparation of alternative land for cultivation. This is dependent on the timing of the proposed project and could be managed so as not to cause any loss to harvesting season. The RBA would need to identify the relevant farmer so that they can be consulted as early as possible in the process. Following engagement with individual farmers, the relevant farmer's union should be consulted. The RBA should also confirm whether there is a formal lease/landuse agreement with farmers for cattle grazing at the Pit8C site.</p>

ISSUE RAISED	BY WHOM AND WHEN	RESPONSE GIVEN BY PROJECT TEAM (amended where relevant for the scoping report)
		<p>2800mg/l of chloride. The water quality in a borehole drilled on the eastern side of the shaft, between the shaft and the Kanana village does not show contamination, with nitrate and chloride levels of 4.6mg/l and 235mg/l respectively.</p> <p>The existing WRD was constructed as per the Impala Platinum – Rustenburg Operations (Impala) practices. The method of WRD construction did include the compaction of the in-situ clay, but the entire footprint area was prepared at the start of the development of the WRD. Because moisture could not be retained in the compacted clay, the clay liner cracked and it is thought that this is the main cause of the groundwater contamination at the shaft 16 WRD area.</p> <p>In an effort to prevent and minimise pollution from future WRDs, Impala, with assistance from the specialist consultant (Knight Piesold), has developed a new design method which includes the combination of a clay lining system (with runoff collection trenches) and concurrent rehabilitation. This significant improvement in the design of the facility requires that the WRD footprint be progressively developed ahead of deposition i.e. only the area to be used for dumping in one year will be prepared at a time, and a layer of waste rock will be used as cover to prevent the clay liner from drying out and cracking. Another significant change is that the side slopes of the WRD will be rehabilitated concurrently with the operation of the WRD, and this will minimise seepage into the WRD.</p> <p>It is expected that these design improvements and operational changes should play a significant role in preventing and minimising groundwater contamination from the WRD. However, it should be noted that for concurrent rehabilitation to be successful, the side slopes of the WRD must be relatively flat during the operational phase. This is a significant change from the old method of dumping at the angle of repose, and only flattening the sides at the end of the operational phase during site rehabilitation. The flatter sides of the operational WRD will therefore require a significantly larger footprint.</p>
<p><b>Rehabilitation issues</b> How sure are you that rehabilitation of the open pit will be feasible?</p>	<p>Khalid Patel focused meeting with RBA, 31 July 2012</p>	<p>The project team is confident that rehabilitation will be feasible. Impala has a ten year track record of successful rehabilitation and will</p>

## **APPENDIX 2: TERMS OF REFERENCE FOR FURTHER INVESTIGATIONS (SECTION 6.1 OF SCOPING REPORT)**

### **6.1 FURTHER INVESTIGATIONS**

The proposed terms of reference for further investigations are discussed below. The terms of reference of these tasks have been designed to address all the issues that have been identified in the scoping process. These investigations will cover construction, operation, decommissioning and closure phases where relevant and conceptual closure planning principles (including post-closure management) will be incorporated into the EIA/EMP amendment report. The main component of the tasks is assessment work by specialists, SLR and the Impala project team. The outcome of this set of tasks includes specialist reports and the EIA/EMP amendment report.

#### **6.1.1 Geology**

It is proposed that no specialist investigations are required. The assessment and detailed management measures will be provided in the EIA/EMP amendment report by SLR.

#### **6.1.2 Topography**

It is proposed that no specialist investigations are required. The assessment and detailed management measures will be provided in the EIA/EMP amendment report by SLR.

#### **6.1.3 Soils and land capability**

It is proposed that no specialist investigations are required. The assessment and detailed management measures will be provided in the EIA/EMP amendment report by SLR.

#### **6.1.4 Land use - loss of current land uses**

It is proposed that no specialist investigations are required. The assessment and detailed management measures will be provided in the EIA/EMP amendment report by SLR.

#### **6.1.5 Transport systems disturbance**

It is proposed that no specialist investigations are required. The assessment and detailed management measures will be provided in the EIA/EMP amendment report by SLR.

#### **6.1.6 Blasting**

It is proposed that no specialist investigations are required. The assessment and detailed management measures will be provided in the EIA/EMP amendment report by SLR.

#### **6.1.7 Flora and fauna**

It is proposed that no specialist investigations are required. The assessment and detailed management measures will be provided in the EIA/EMP amendment report by SLR.

#### **6.1.16 Economic land use and sustainability analysis**

Strategy for Good will conduct an economic land use and sustainability analysis in order to meet the requirements of the DMR EIA/EMP report template in terms of Regulation 50 of the MPRDA. The investigation will include the following tasks:

- comparative land use assessment; and
- sustainability analysis.

**IMPALA PLATINUM LIMITED**  
**PEGELO YA PATLISISO YA TIKOLOGO YA TSHITSHINYO YA SHAFT 16 YA THOTHOBOLO YA**  
**MASALELA A MATLAPA (WRD)**

**KOKETSO LE POROJEKE YA PIT8C**

**PEGELO YA PATLISISO YA TSHEKATSHEKO YA BOTLHE**

Madume Rre/Mme

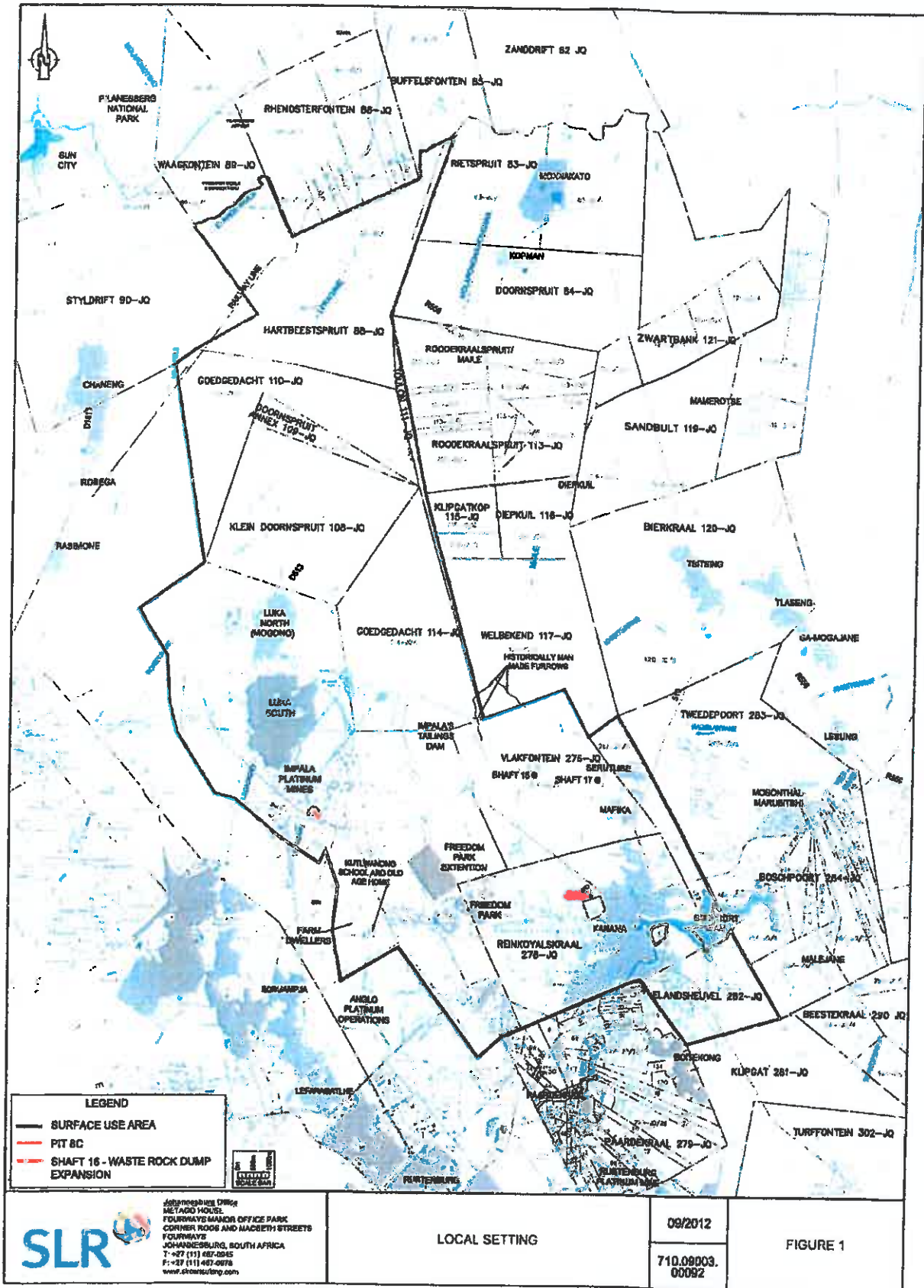
**1. KITSISO**

Impala Platinum Limited (Impala) e laola tsoelopele le tirelo ya go tihotlha ee leng selekanyo sa dikilometara dile some le borataro gotswa mo Rustenburg. Ka 2005, Lefapha la Dimenerale le Didirisa (DMR) e letleletse pegelo ee bankantsweng ya Tshakatsheko ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo ya goepiwa ga merafo ka bobedi ya UG2 le Merensky go dirisiwa mekgwa ya go epa ya mosima oo atlhameng. Karolo ya polase ya Vaalkop 275 JQ le Beerfontein 263 JQ ene ya ntshiwa mo lefelong la porojeke. Impala e tshithshinya go simolola ditirelo tsa mosima oo atlhameng tse di kaiwang jaaka porojeke ee tshithshinngwang ya Pit8C, ee leng mo dipolaseng tsa Vaalkop 275 JQ le Beerfontein 263 JQ. Porojeke ee tshithshinngwang ya Pit8C etla lebagana fela le morafa wa Merensky. Lefelo la porojeke ee tshithshinngwang ya Pit8C le bontshiwa mo Setshwantsho1.

Go tlaelelsa mo go seno, Impala e tshithshinya go oketsa thothobolo ya masalela a matlapa (WRD) ee leng teng kwa Shaft 16, ee mo polaseng ya Reinkoyalskraal 278 JQ. Tihothobolo ya masalela a matlapa ya ga jaana ene e agilwe go ya ka pegelo ee baakantsweng e letlelwetswe ya Tshakatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo ya Shaft 16. Impala jaanong e tshithshinya go oketsa thothobolo eo ya masalela a matlapa. Koketso ee tshithshinngwang etla aparela lefelo la diheketera dile some le borongwe mo godimo ga tihogo. Lefelo le le tshithshintsweng la koketso ya thothobolo ya masalela a matlapa ya Shaft 16 e bontshiwa mo Setshwantsho 1.

SLR Consulting (Africa) (Pty) Ltd (SLR Africa), setheo se se ikemetseng sa bagakolodi ba Tikologo, se thapilwe ke Impala go laola dikarolo tsa tsamaiso ya Tikologo. Ka ntsha eo, tetla e tla tihokagala gotswa kwa

Setshwantsho 1: Mabeo a selegae



**LEGEND**

- SURFACE USE AREA
- PIT 8C
- - - SHAFT 16 - WASTE ROCK DUMP EXPANSION

**SLR**

John Rossouw (Pty) Ltd  
 METAGD HOUSE  
 FOURMAYS SANDS OFFICE PARK  
 CORNER ROOS AND MACIETH STREETS  
 FOURMAYS  
 JOHANNESBURG, SOUTH AFRICA  
 T: +27 (11) 487-0845  
 F: +27 (11) 487-0878  
 www.slrcan.com

LOCAL SETTING

09/2012  
 710.09003.  
 00092

FIGURE 1

NOTE: PROPERTY BOUNDARIES SHOWN CONCEPTUALLY ON THIS MAP



**6. LEANO LA GO ITHUTA LA KOPO YA LEKWALO TETLA LA TIRISO YA METSI (WULA**

Maikaelelo magolo a kgato ya WULA ke go:

- Go dirisa tshedimose tso gotswa kwa Tshakatshekong ee kwa tlase le dipegelone tsa Tshakatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo go dira dipampiri tsa setegeniki le difomo tsa WULA tse di rometsweng kwa Lefapheng la Merero ya Metsi go sekegelwa.

Fa ona le dipotso tse di malebana ka kopo ikgolaganye le yoo kwetseng fat lase.

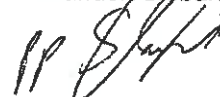
Madume

Caitlin Pringle



For SLR Consulting (Africa) (Pty) Ltd  
E-mail: [cpringle@slrconsulting.com](mailto:cpringle@slrconsulting.com)

Brandon Stobart



DINTLHA TSE DI TLHAGISITSWENG	KE BO MANG KAE	KARABO EE NNETSWENG KE SETLHOPHA SA POROJEKE (fetoletswe fa goleng maleba mo pegelong ya patlisiso)
A porojeke ya Pit8C e tlhoka WULA kgotsa phetolelo kwa WULA ee leng teng, kgotsa e akareditsweng mo WULA yak gale ya lefelo la maepo?		<p>Ntse le fa kago sesha e nna teng mo ditirelong tse di telele. Ka ntsha ya seno, diporojeke dile pedi dina le kgato e kgolo mo heketareng ele nngwe mme ele kwa tlase ga diheketara dile 20 mme di mo karolong ya lefelo le le senang ope.</p> <p>Tiragalo 28: Koketso ya ditirelo tse di leng teng tsa tsamaiso nngwe le nngwe kgotsa tirelo e koketso eno eka fefetsang e bakile tlhoko ya entshwa, kgo phetolo ya, lekwalo taolo le leng teng kgotsa lekwalo teita go ya ka molaotheo wa bosetshaba kgotsa wa porofense oo laolang go rebolwa ga mesi kgotsa kgotlelego, go sa akarediwe fa madirelo, tsamaiso kgotsa tirelo esa akarediwe mo maineng a ditirelo tsa taolo ya matlakala ee gatisitsweng go ya ka karolo 19 ya Tsamaiso ya Bosetshaba ya Tikologo: ka seno Molao olla diragadiwa. Goya ka seno, koketso ya thothobolo ya masalela a matlakala eita tlhoka phetolo ya lekwalo teita la metsi la Impala</p> <p>Go ya ka mokgwa wa porojeke ee tshitshingwang ya Pit8C, Impala e latela tsela ee tshwanang leya peia ya mesima ee ahlameng, ee sa tleng go dira ka lekwalo teita lepe la tiriso ya metsi kwa ntle tala ga tlhoko ya metsi eka nna kgang – le ga ese se se solofetsweng mo kgannyeng e.</p>
<b>Dintlha tse di mabapi le porojeke/setegeniki</b> Matlapa a mangwe a tswa kae gore go tlhokege koketso ya thothobolo ya masalela a matlapa?	Khalid Patel, kopano ya go lebisisa le RBA, 31 Phukwi 2012	Koketso ya thothobolo ya masalela a matlapa gae kgweediwe ke koketsego ya ditone tsa masalela a matlapa. E kgweediwa thata ke maitlhommo a Impala ago berekana le matshwenyego a kgothhelego aa mabapi le thothobolo ya ga jaana ya masalela a matlapa. E latela gore koketso ee tshitshintsweng e tlhoka kgato e kgolo ka gonne eita dirwa mo lefatsheng le le sephara.
<b>Dintlha tsa tiriso ya lefatshe</b> Ga tweng ka ditirelo tsa temothuo tse dileng teng kwa thothobolong ya masalela a matlapa kwa lefelong la koketso la Shaft 16.	Reotshepile kopano ya go lebisisa le RBA, 31 Phukwi 2012	Lefelo le le tshitshintsweng la koketso ya thothobolo ya masalela a matlapa ya shaft 16 le na le lefatshe le le senang ope, sekgwa se se tshwenngwang le lefatshe le le omileng la go lema sonobolomo. RBA le Impala ba tshwanetse go ikgolaganya le balemi ba ba maleba mabapi le go ba duelela lefatshe le ba le tshetsweng. Tueo e kanna ka mofuta wa madi a tatlhegelo ya thobo kgotsa go batla le go paakanyo ya lefatshe le lengwe la temo. Seno se ikaegile mo nakong ee tshitshintsweng ya porojeke le gore eka laolwa gore eseke ya baka tatlhegelo ka nako ya thobo. RBA e tlhoka go kaya balemi ba ba maleba ba go ka ikgolagangwang le bone esale gale

DINTLHA TSE DI TLHAGISITSWENG	KE BO MANG KAE	KARABO EE NNETSWENG KE SETLHOPHA SA POROJEKE (fetoletswe fa goleng maleba mo pegeleng ya patlisiso)
<p>WRD? Mo godimo ga seo ao ka neelana ka pegelo ya tlhokomelo ya metsi aa kwa tlase ga lefatshe, le ga e kanna pegelo ee tlhakanisweng, ee kayang selekanyo se se fetilweng le mekgwa ya teng jalo le jalo.</p>		<p>Tikologo. Mme fela, tlhokomelo ya metsi aa kwa tlase ga lefatshe kwa WRD a bontsha fa go ntle le kgotholego ee bolthole ee tswa kwa WRD, bogolo jang kw a dinitrates le chlorides. Tshwaetso ya bolthole ee kwa godimo ee tseletseng ene ya bonwa ka bonako kwa nokeng ya WRD mme e tokafala kgakajana. Kwa sekgaleng sa dimetara dile makgolonyana mo seleanong sa 160mg/l ya dinitrates le 2800mg/l ya chloride. Boleng jwa metsi mo Sedibeng se se epetsweng kwa bolthaba jwa moepo, magareng ga moepo le moitse wa Kanana ga go bontshe tshwaetsego, ka maemo a nitrate le chloride a 4.6mg/l le 235mg/l ka go latelana.</p> <p>WRD ya ga jaana ene ya agiwa goya ka ditsamaiso tsa Impala Platinum – Rustenburg Operations. Mogwa wa go agiwa ga WRD o akareditse go amanngwa letsopa la lefelo leo, mme kgato yothe ya lefelo e rulaganiswe kwa tshimologong ya WRD. Ka ntsha ya bongola bo sa kgone go busediwa mo letsopeng le le logantsweng, kapeso ya letsopa e phatlhogile mme go akanngwa go seno ke sone se se bakileng tshwaetsego ya metsi aa kwa tlase ga lefatshe kwa lefelong la WRD la shaft 16</p> <p>Ka maiteko a go thibela le go fokotsa kgotholego go tshwa wa isagong ya WRD, Impala, ka thuso go tswa kwa bagakologing ba bomankge (Knight Piesold), ba simolotse mkgwa wa petlo o moswa oo akaretsang go kopanya lentle la letsopa (with run off collection trenches) le paakanyo ee tswelatang. Phetogo eno e kgolo mo popegong ya tirelo ee tlhokang gore kgato ya WRD e tswetele go tlhabologa kwa pele ga desposition jaaka go tla tlhabololwa fela lefelo le le tla dirisetwang thothobolo mo nngweng ele nngwe, mme bogodimo jwa masalela a lettapa a dirisetwa go tswala go thibela letlalo la letsopa gore le seke la ameleta le go phatlhoga. Phetogo e nngwe e kgolo ke gore dirhota tse di fa tholo ga WRD ditla tswella go baakanngwa la tirelo ya WRD, mme sno setla fokotsa go rothegele mo WRD.</p> <p>Go solofetswe gore ditlhabologo tsa dipopego le diphetogo tsa tirelo di nne le seabe se se golo mo go thibeleng le go fokotsa tshwaetsego ya metsi aa kwa tlase ga lefatshe gotswa kwa WRD. Mme fela, go tshwanetse ga itsewe gore paakanyo ee tswelatseng e</p>

## **MAMETLELELO 2: DINTLHA TSA KAELO TSA DIPATLISISO GOYA PELE (KAROLO 6.1 YA PEGELO YA PATLISISO)**

### **6.1 DIPATLISISO GOYA PELE**

Dintlha tsa kaelo tsa dipatlisiso goya pele di rerilwe fa tlase. Dintlha tsa kaelo tsa dikgwetlho tseno di diretswa go akaretsa dintlha tsotlhe tse di kailweng mo tsamaisong ya patlisiso. Dipatlisiso tseno ditla akaretsa kago, tiriso, kgato ya go thuba lego tswala moo melawana ee maleba le ee akantsweng ya leano la tswalo (go akaretsa taolo ya morago-ga-tswalo) efla tsenngwa mo pegelong ee fetoletsweng ya Tshekatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo. Ntlha kgolo ya tiro eno mmerol wa tshekatsheko ka disepeshelisiti, SLR le setlhopho sa porojeke sa Impala. Ditla morago tsa ditiro tseno di akaretsa dipegelo tsa sepeshelisiti le pegelo ee fetoletsweng ya Tshekatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo.

#### **6.1.1 Jioloji**

Go tshitshinntswe gore ga go tlhokege dipatlisiso tsa sepeshelisiti. Tshekatsheko le magato aa tlhamaletseng a taolo atla neelwa mo pegelong ee fetoletsweng ya Tshekatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo ka SLR.

#### **6.1.2 Topokerafi**

Go tshitshinntswe gore ga go tlhokege dipatlisiso tsa sepeshelisiti. Tshekatsheko le magato aa tlhamaletseng a taolo atla neelwa mo pegelong ee fetoletsweng ya Tshekatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo ka SLR.

#### **6.1.3 Bokgoni jwa lefatshe le mebu**

Go tshitshinntswe gore ga go tlhokege dipatlisiso tsa sepeshelisiti. Tshekatsheko le magato aa tlhamaletseng a taolo atla neelwa mo pegelong ee fetoletsweng ya Tshekatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo ka SLR.

#### **6.1.4 Tiriso ya lefatshe – tatlhegelo ya ditiriso tsa lefatshe ga jaana**

Go tshitshinntswe gore ga go tlhokege dipatlisiso tsa sepeshelisiti. Tshekatsheko le magato aa tlhamaletseng a taolo atla neelwa mo pegelong ee fetoletsweng ya Tshekatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo ka SLR.

#### **6.1.5 Kgoreletsego ya dipalangwa**

Go tshitshinntswe gore ga go tlhokege dipatlisiso tsa sepeshelisiti. Tshekatsheko le magato aa tlhamaletseng a taolo atla neelwa mo pegelong ee fetoletsweng ya Tshekatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo ka SLR.

popegotheo ee fa godimo le mo dipolaseng tsa Reinkoyalskraal 278 JQ, Beerfontein 263 JQ le Vaalkop 275 JQ,

- go lekola boleng jwa didiriswa tse di kailweng
- go lekola kamego ya porojeke ee tshithintsweng mo didirisweng tsa boswa: le
- go neelana. le SLR mmogo le setlhopha sa setegeniki sa porojeke mo maanong a mangwe a porojeke le taolo ya melawana ya didiriswa tsa boswa go ya pele.

#### **6.1.14 Didiriswa tsa dithuto tsa botshelo jwa kgale**

Go tshithinntswe gore ga go tlhokege dipatlisiso tsa sepeshelisi. Tshekatsheko le magato aa tlhamaletseng a taolo atla neelwa mo pegelong ee fetoletsweng ya Tshekatsheko ya Kamego ya Tikolo/Lenaneo la Tsamaiso ya Tikologo ka SLR.

#### **6.1.15 Dintlha tsa Leruo-ekonomi**

Go tshithinntswe gore ga go tlhokege dipatlisiso tsa sepeshelisi. Tshekatsheko le magato aa tlhamaletseng a taolo atla neelwa mo pegelong ee fetoletsweng ya Tshekatsheko ya Kamego ya Tikolo/Lenaneo la Tsamaiso ya Tikologo ka SLR.

#### **6.1.16 Tiriso ya lefatshe ya Ekonomi le tshekatsheko ya kgotlelelo**

Strategy for Good batla dira tshekatsheko ya tiriso ya lefatshe ya ekonomi le kgotlelelo gore ba kgone go fitlhelela dithoko tsa pegelo ee fetoletsweng ya Tshekatsheko ya Kamego ya Tikologo/Lenaneo la Tsamaiso ya Tikologo ya Lefapha la Dimenerale le Didiriswa go ya ka Regulation 50 ya MPRDA. Patlisiso etla akaretsa ditiro tse di latelang:

- tshekatsheko ya papiso ya tiriso ya lefatshe: le
- Tshekatsheko ya kgotlelelo

**IMPALA PLATINUM LIMITED**  
**ENVIRONMENTAL IMPACT ASSESSMENT (EIA) AND ENVIRONMENTAL MANAGEMENT PROGRAMME**  
**(EMP) REPORT FOR THE PROPOSED SHAFT 16 WASTE ROCK DUMP (WRD) EXPANSION AND PIT8C**  
**PROJECTS**  
**EIA AND EMP REPORT FOR PUBLIC REVIEW**

Dear Sir/Madam

## 1. INTRODUCTION

Impala Platinum Limited (Impala) operates a mining and processing operation approximately 16 km from Rustenburg. Impala is proposing to undertake opencast activities referred to as the proposed Pit8C project and expand the current waste rock dump (WRD) at Shaft 16.

Please refer to Appendix 1 (attached) for further detail on the proposed projects.

SLR Consulting (Pty) Ltd (SLR), an independent firm of environmental consultants, has been appointed by Impala to manage the environmental authorisation processes.

In this regard, the environmental impact assessment (EIA) and environmental management programme (EMP) report for the proposed Pit8C and Shaft 16 WRD expansion projects is now available for public review.

## 2. REVIEW OF EIA REPORT

In addition to the EIA/EMP summaries that have been distributed (to all IAPs that are registered on the project's public involvement database), full copies of the EIA/EMP amendment report have been made available for public review at the following places:

- Impala Platinum Limited (Impala Stakeholder Department): c/o Johanna Tau
- SLR Consulting Library (Johannesburg Office)
- Rustenburg Library: c/o J Pienaar
- Rustenburg Local Municipality: c/o K Mekgoe
- Royal Bafokeng Administration Offices: c/o Reotsephile Tlhapane

- Representative structures of the following communities (comprising the Future Forum):
  - Ward 4 (c/o L Sephai)
  - Ward 23 (c/o M Makhaula)
  - Ward 24 (c/o M Makopo)
  - Ward 38 (c/o M Motshegwe)

Electronic copies of the full EIA/EMP amendment report will be made available to IAPs on request.

IAPs have until **20 February 2013** to review the EIA report. Comments should be submitted in writing to SLR via fax (+27114670978) and/or e-mail ([cpringle@slrconsulting.com](mailto:cpringle@slrconsulting.com))

All received comments will be forwarded to the relevant authorities for decision-making.

If you have any questions about the proposed project or the EIA process, please contact the undersigned.

Regards

Caitlin Pringle

Brandon Stobart

*For SLR Consulting (Africa) (Pty) Ltd*  
*E-mail: [cpringle@slrconsulting.com](mailto:cpringle@slrconsulting.com)*



## **APPENDIX 1: Summary of the EIA/EMP report for the proposed opencast activities at Pit8C and Shaft 16 waste rock dump (WRD) expansion**

### **Introduction**

Impala Platinum Limited (Impala) operates a mining and processing operation approximately 16 km from Rustenburg. In 2005, the Department of Mineral Resources (DMR) approved the Environmental Impact Assessment and Environmental Management Programme (EIA/EMP) amendment report for the mining of both the UG2 and Merensky reef using opencast mining and digging methods (Metago, 2005). A portion of the farm Vaalkop 275 JQ and Beerfontein 263 JQ was omitted from the related project area. Impala is proposing to undertake opencast activities referred to as the proposed Pit8C project, located on the farms Beerfontein 263 JQ and Vaalkop 275 JQ. The proposed Pit8C project will only target the Merensky reef.

In addition to this, Impala is proposing to expand the existing waste rock dump (WRD) at Shaft 16, located on the farm Reinkoyalskraal 278 JQ. The existing WRD at Shaft 16 was constructed in accordance with the relevant approved EIA/EMP amendment report for Shaft 16 (Golder 2004), however monitoring results have since indicated that the current WRD is contributing to a pollution plume. Impala is therefore proposing the Shaft 16 WRD expansion project, which is required in order to allow for improved pollution prevention measures on the expanded section of the dump.

The projects are located within Impala's surface use area at its Rustenburg operations. This area falls within the Rustenburg Local Municipality and Bojanala Platinum District Municipality in the North West Province. The local setting is presented in Figure 1.

SLR Consulting (Pty) Ltd (SLR), an independent firm of environmental consultants, has been appointed by Impala to manage the environmental authorisation processes.

In accordance with the requirements of the Mineral and Petroleum Resources Development Act, 28 of 2002 (MPRDA), the EIA process comprises two phases: the scoping phase and the environmental impact assessment phase combined with the environmental management programme (EIA/EMP) phase. This report comprises the EIA and EMP for the proposed project.

### **Project motivation (need and desirability)**

The addition of Pit8C as an opencast mining area is an economically viable option for Impala, and will optimise the extraction of mineral resources. The expansion of the Shaft 16 WRD is necessary as a pollution prevention measure. Given that existing workers will be used for the Pit8C project, the related benefit is job continuity. In the case of the WRD expansion, the strategy is to involve people from the local community as far as possible which has the potential to increase employment and procurement opportunities.

### **Environmental assessment process**

Prior to the commencement of the proposed projects, environmental authorisation is required from key government departments. These include:

- an environmental decision from the DMR in terms of the MPRDA on the basis of an EIA/EMP amendment;
- an environmental decision in terms of the National Environmental Management Act, 107 of 1998 (NEMA) to authorise NEMA listed activities on the basis of a basic assessment process and the associated basic assessment report; and
- an amendment to the water use license from the Department of Water Affairs (DWA) in terms of the National Water Act (NWA) 36 of 1998 on the basis of a water use license application (WULA).

The related environmental assessment process, with regards to the requirements of the MPRDA, incorporated the following steps:

- The scoping process was conducted to identify relevant environmental, social and economic issues and to define the terms of reference for the required specialist studies and the EIA.
- Specialist studies were commissioned in accordance with the relevant terms of reference. The specialists were selected on the basis of their expertise and knowledge of the project area.
- The EIA report was compiled on the basis of the findings of the specialist studies and the project team.
- The EMP incorporates Impala's existing mitigation and management commitments in addition to those mitigation commitments that have been identified and described in the EIA.

Figure 1 – local setting

**Stakeholder engagement**

The stakeholder engagement process commenced prior to scoping and has continued throughout the environmental assessment process. As part of this process, authorities and interested and affected parties (IAPs) were given the opportunity to attend focused meetings, submit questions and comments to the project team, and review the letter of intent (which was provided as a background information document), scoping report and now the EIA/EMP reports. All comments that have been submitted to date by the authorities and IAPs have been included and addressed in the EIA/EMP report. Further comments arising from the EIA/EMP report review process will be handled in a similar manner.

**Impact assessment findings per project component**

The Shaft 16 WRD expansion and Pit8C projects are associated with different potential environmental, social and economic impacts when considered incrementally. The key impacts of each of the projects is summarised below.

**Pit8C**

The key factors that contribute to the potential impacts associated with the Pit8C project are its size, its nature, its location and its economic implications. The proposed Pit8C project will cover an area of approximately 5 hectares. Whilst the majority of this land has already been disturbed by existing Impala mining activities and infrastructure, there is a small portion of undisturbed veld which is used by ad-hoc grazers. Given that the proposed project is not located within the vicinity of any communities, limited impacts are anticipated and it is expected that the temporary change in land use which will result during the 12-18 month lifespan of the project will affect cattle grazers whom utilise the veld on an ad-hoc basis. Given the temporary nature of the proposed Pit8C project, it is expected that following successful rehabilitation the grazing potential of the area will be re-established.

The addition of Pit8C as an opencast mining area is an economically viable option for Impala, and will optimise the extraction of mineral resources. Given that existing workers will be used, the related benefits will be job continuity.

**Shaft 16 WRD**

The key factors that contribute to the potential impacts associated with the Shaft 16 WRD are its size, its nature, its duration, its location and its economic implications.

The proposed Shaft 16 WRD expansion will cover an area of approximately 19 hectares. Whilst the majority of this area has already been disturbed by agricultural activities (dryland sunflower cultivation), a small portion is comprised of vacant, undisturbed veld. Whilst Kanana is the closest community to the proposed site, it is envisaged that the effects of the change in land use will rather be felt by dryland sunflower farmer Mr Basi Ntsimane as well as ad-hoc cattle grazers. The proposed Shaft 16 WRD expansion is expected to be in operation for approximately 30 years. In this regard, it will remain in

perpetuity thereby permanently displacing the sunflower cultivation activities. The RBA and Impala will engage with the relevant farmer with regards to compensation for lost ground.

The expansion of the Shaft 16 WRD is necessary both as a pollution prevention measure and to cater for design improvements which have been made subsequent to the existing WRD being developed (this was done in accordance with Impala's approved EMP). The strategy is to involve people from the local community as far as possible which has the potential to increase employment and procurement opportunities. It is estimated that approximately 10-20 new job opportunities will be created (these will be for the construction phase only)

### Cumulative impact assessment summary

A tabulated summary of the cumulative impacts of the current Impala operations and the abovementioned components for both projects is provided in Table 1.

**TABLE 1: SUMMARY OF POTENTIAL CUMULATIVE IMPACTS ASSOCIATED WITH THE PROPOSED PROJECTS**

Section	Potential impact	Significance of the impact (the ratings are negative unless otherwise specified)	
		Unmitigated	Mitigated
<b>Geology</b>	Loss and sterilisation of mineral resources	<b>M</b>	<b>L</b>
<b>Topography</b>	Hazardous excavations and infrastructure	<b>H</b>	<b>M</b>
<b>Soils and land capability</b>	Loss of soil resources and land capability through pollution	<b>H</b>	<b>L</b>
	Loss of soil resources and land capability through physical disturbance	<b>H</b>	<b>L (M for WRD)</b>
<b>Biodiversity</b>	Physical destruction of biodiversity	<b>H (M for WRD)</b>	<b>M-L</b>
	General disturbance of biodiversity	<b>M</b>	<b>M-L</b>
<b>Surface water</b>	Pollution of water resources	<b>H</b>	<b>L</b>
	Alteration of natural drainage lines	<b>H</b>	<b>M</b>
<b>Groundwater</b>	Contamination of groundwater	<b>H</b>	<b>L</b>
	Dewatering	<b>M</b>	<b>L</b>
<b>Air quality</b>	Air pollution	<b>H</b>	<b>M</b>
<b>Noise</b>	Noise pollution	<b>L</b>	<b>L</b>
<b>Blasting</b>	Blasting impacts	<b>H</b>	<b>M</b>
<b>Traffic</b>	Road disturbance and traffic safety	<b>H</b>	<b>M</b>
<b>Visual</b>	Visual impacts	<b>M</b>	<b>L</b>
<b>Heritage, palaeontological and cultural resources</b>	Loss of heritage, palaeontological and cultural resources	<b>N/A</b>	<b>N/A</b>
<b>Socio-economic</b>	Economic impact	<b>M+</b>	<b>H+</b>
	Inward migration	<b>H</b>	<b>H-M</b>

Section	Potential impact	Significance of the impact (the ratings are negative unless otherwise specified)	
		Unmitigated	Mitigated
Land use	Land use impact	H	L

### Project timing

The projects will only proceed if they are approved. Table 2 sets out the related time frames.

**TABLE 2: PROJECT TIME FRAMES**

Aspect	Timeframe
<b>Pit8C</b>	
Start construction	Construction will commence in 2013 subject to authorisation
Duration of construction phase	Approximately 3- 5 months (opening of boxcut)
Life of operation	Approximately 12-18 months
<b>Shaft 16 WRD expansion</b>	
Start construction	Construction will commence in 2013 subject to authorisation
Life of operation	Approximately 30 years

### Conclusion

The EIA/EMP amendment report presents the projects plan as defined by Impala, presents findings of specialist studies, identifies and assesses potential impacts on the receiving environment in both the unmitigated and mitigated scenarios, including cumulative impacts, and identifies measures together with monitoring programmes to monitor and mitigate potential impacts.

The assessment of the proposed projects presents the potential for negative impacts to occur (in the unmitigated scenario in particular) on the bio-physical, cultural and socio-economic environments both on the project sites and in the surrounding area. With mitigation these potential impacts can be prevented or reduced to acceptable levels.

The economic impact assessment concluded that the development of the project will have positive economic impacts. Moreover, the integrated alternative land use assessment concluded that the proposed project components are the preferred land use alternative.

It follows that provided the EMP is effectively implemented there is no environmental, social or economic reason why the project should not proceed.

## APPENDIX 2: SUMMARY OF ISSUES RAISED BY REGULATORY AUTHORITIES AND IAPS

ISSUE RAISED	BY WHOM AND WHEN	RESPONSE GIVEN BY PROJECT TEAM
<b>Procedural related Issues</b>		
If the projects are being combined into a single environmental process and report how will the financial provision be catered for?	Khalid Patel, focused meeting with RBA, 31 July 2012	The financial provision for the projects will be split, as was done in the Impala Consolidation report.
When will the Consolidation report be approved?		SLR has received comments from the DMR, but does not yet have confirmation of when a Record of Decision will be issued.
Will the Pit8C and Shaft 16 waste rock dump (WRD) expansion project therefore be excluded from this Consolidation?		Every new project has its own EIA report, however the EMP is consolidated.
Will the financial provision then be updated?		The financial provision will be updated. Impala will not receive authorisation without doing so.
Was Impala issued a directive from Water Affairs following the identification of the groundwater pollution issue?		This was not done under instruction. This was Impala's own initiative following the monitoring results from their own boreholes.
You mentioned public venues for report review. Some of the members in the communities can't read. I would like to suggest that the Future Forum presents the proposed projects to the communities so that they can understand.	Victoria Makhaula (Ward 23), focused meeting with Future Forum, 17 August 2012	Impala provided the Future Forum with a copy of the presentation delivered by SLR.
We would like a copy of the presentation so that we can use this as information sharing with the communities.	Lebogang Sephai (Ward 4), focused meeting with Future Forum, 17 August 2012	Keoikantse Mogatle ensured that the Future Forum was provided with a copy of the presentation delivered by SLR. In addition to this, a copy of the meeting minutes were emailed to all delegates.
I would like to be provided with a provisional list of the activities (as per the	Khalid Patel, EIMS, comment by email dated 2 August 2012	Application for authorisation for the following NEMA Activities has been submitted to DEDECT.



ISSUE RAISED	BY WHOM AND WHEN	RESPONSE GIVEN BY PROJECT TEAM
<p>NEMA Regs) that you will need to apply for authorisation for.</p>		<p>Regulation 544, Listing Notice 1</p> <p>Activity 23: The transformation of undeveloped, vacant or derelict land to-  (ii) residential, retail, commercial, recreational, industrial or institutional use, outside an urban area and where the total area to be transformed is bigger than 1 hectare but less than 20 hectares; -  Except where such transformation takes place for linear activities. In this regard, both projects have a footprint of greater than 1 ha but less than 20 ha and are located in part on vacant land.</p> <p>Activity 28: The expansion of existing facilities for any process or activity where such expansion will result in the need for a new, or amendment of, an existing permit or license in terms of the national or provincial legislation governing the release of emissions or pollution, excluding where the facility, process or activity is included in the list of waste management activities published in terms of section 19 of the National Environmental Management: Waste Act, 2008 (Act No. 59 Of 2008) in which case that Act will apply. In this regard, the waste rock dump expansion will require an amendment of Impala's water license.</p> <p>Regulation 544, Listing Notice 3</p> <p>Activity 12: The clearance of an area of 300 square metres or more of vegetation where 75 % or more of the vegetative cover constitutes indigenous vegetation (a) Within any critically endangered or endangered ecosystem</p>

ISSUE RAISED	BY WHOM AND WHEN	RESPONSE GIVEN BY PROJECT TEAM
Does the Pit8C project require a WULA or an amendment to an existing WULA, or is it covered in a previous WUL for the mining area?		<p>listed in terms of section 52 of the NEMBA or prior to the publication of such a list, within an area that has been identified as critically endangered in the National Spatial Biodiversity Assessment 2004. In terms of vegetation, the proposed site for Pit8C is located, in part, on vacant veld which although compromised by existing development, may fall within the specified areas of the Marikana Thornveld vegetation community that require impact assessment evaluation prior to disturbance. In this regard, activity 12 may apply.</p>
Impala should ensure minimising any type of negative impact from mining activities onto adjacent agricultural land. This would also imply establishing a good relationship with adjacent land owners.	Department of Agriculture, Forestry and Fisheries, comments on scoping report received by email on 9 October 2012	<p>Given the temporary nature of the proposed Pit8C project, Impala is following the same approach as previously for the open pits which is not to apply for any water use licences unless dewatering from the pit becomes an issue – which is not currently expected to be the case.</p>
Impala should compile an adequate program for controlling declared weed and invader plants.		<p>During the EIA/EMP amendment phase landowners and landusers both within and adjacent to the proposed project sites were consulted. These IAPs included sunflower farmer Mr Basi Ntsimane at the WRD expansion site as well as had-hoc cattle grazers at both sites whom were engaged through the RBA. Through formal structures such as the Impala stakeholder department, the RBA mining committee and other representative bodies, Impala maintains open communication channels with IAPs.</p> <p>As discussed in Sections 7 and 19 of the EIA/EMP amendment report, Impala implements an alien/invasive /weed management control programme to control the spread of these plants onto and from disturbed areas. This is done through active eradication, establishment of natural species and through on-going monitoring and assessment. It should be noted, that in this regard, the use of herbicides will be controlled by only allowing registered Pest Control Operators (PCO) to administer</p>

ISSUE RAISED	BY WHOM AND WHEN	RESPONSE GIVEN BY PROJECT TEAM
<p>In your report you have indicated that there are farmers that will be affected by the expansion. I did not see a report where you have consulted with the affected farmers what is their feeling in this matter. I would appreciate it if you could consult the farmers and provide the report.</p>	<p>Department of Rural Development and Land Reform, comments on scoping report received by email on 24 October 2012</p>	<p>any such chemical or biological agent. As indicated in the Scoping Report and following discussions with the Royal Bafokeng Administration (RBA), directly affected farmers include Mr Basi Ntsimane (sunflower farmer at the Shaft 16 WRD expansion site) as well as ad-hoc cattle grazers at the Pit8C site. Both parties have been engaged through using the RBA as a channel. Attached in Appendix C of the EIA and EMP report is proof of consultation with Mr Ntsimane and the ad-hoc cattle grazers (whom are represented by the RBA). This proof of consultation includes proof of receipt of the BID as well as proof of receipt of the Scoping report summary document.</p>
<p>The mitigation measures and the recommendations contained in the scoping report compiled by SLR for this activity must be implemented. Any complaint from the public during the construction and operation of the projects must be attended to by the person involved as soon as possible to the satisfaction of the parties concerned. A complaint register must be kept up to date and should be produced upon request.</p>	<p>Rustenburg Local Municipality, comments on scoping report received by email on 2 November 2012</p>	<p>For all impacts identified during the scoping phase, the appropriate mitigation measures have been included in Section 19 of the EIA/EMP amendment report.  Impala currently implements noise, air, traffic and blasting complaints procedures. In this regard, all complaints from third parties are documented, investigated and reasonable efforts made to address the area of concern.</p>
<p>The Department of Water Affairs is mandated to regulate water use, as defined in Section 21 of the National Water Act, 1998 (Act 36 of 1998). Please note that no person may use water otherwise than as permitted under section 40 of the National Water Act, 1998. Should you engage in any water use without the necessary water use</p>		<p>Impala has been issued with a Water Use Licence (WUL) dated 30 September 2011. An amendment to the WUL from the Department of Water Affairs (DWA) in terms of the National Water Act (NWA) 36 of 1998 is required in order to authorise the use of water at the Shaft 16 WRD expansion site. In this regard a WULA was submitted to the DWA on 2 July 2012. Proof of submission is included in Appendix A of the EIA/EMP report (Information sharing with authorities).</p>

ISSUE RAISED	BY WHOM AND WHEN	RESPONSE GIVEN BY PROJECT TEAM
<p>authorisation it will be regarded as an unlawful water use and are guilty of an offence and liable for a fine or imprisonment as stipulated in section 151 of the National Water Act, 1998.</p>		
<p>Impala Platinum Mine has been issued with a Water Use Licence dated 30 September 2011 for various water uses. It is recommended that all other additional water uses associated with the proposed activity be identified and applied for with this Department. The mine should ensure that the following technical information has been included as supporting information for the Water Use Licence Application:</p> <ul style="list-style-type: none"> <li>• Storm water management plans &amp; designs</li> <li>• The 1:100 year floodline in map</li> <li>• Geohydrological Report</li> <li>• Civil designs for all storage facilities</li> <li>• Surface and Ground water quality report</li> </ul>		<p>The amendment to the Water Use License Application was submitted on 2 July 2012. Impala is awaiting feedback on its WULA from the DWA. Proof of the WULA submission is included in Appendix A of the EIA/EMP report (Information sharing with authorities)</p>
<p>All the requirements of the Government Notice no.704 "Regulations on the Use of Water for Mining Activities aimed at the protection of Water Resources" dated 04 June 1999 must strictly be adhered to.</p>	<p>Department of Water Affairs, comments on scoping report received by email on 29 October 2012</p>	<p>Water management facilities for the control of stormwater and for pollution prevention will be designed to meet the requirements of Regulation 704, 4 June 1999 (Regulation 704) for water management on mines. This is outlined in sections 2, 7 and 19 of the EIA/EMP report.</p>
<b>Technical/project related issues</b>		
<p>Where is the additional rock coming from to necessitate the expansion of the</p>	<p>Khalid Patel, focused meeting with RBA, 31 July 2012</p>	<p>The waste rock dump expansion is not driven by the addition of waste rock tonnage. It is primarily driven by</p>

ISSUE RAISED	BY WHOM AND WHEN	RESPONSE GIVEN BY PROJECT TEAM
waste rock dump?		Impala's initiative to address pollution concerns associated with the current waste rock dump. It follows that the proposed expansion requires a greater footprint because it will be designed with flatter slopes.
<b>Land use issues</b>		
What about the agricultural activities taking place at the Shaft 16 waste rock dump expansion area?	Reotshepile Thapane, focused meeting with RBA, 31 July 2012	The proposed site for the shaft 16 waste rock dump expansion is currently comprised of vacant, undisturbed veld and dry-land sunflower cultivation. The RBA and Impala will engage with the relevant farmer with regards to compensation for lost ground. Compensation could either be in the form of financial remuneration for the loss in harvest or the sourcing and preparation of alternative land for cultivation. This is dependent on the timing of the proposed project and could be managed so as not to cause any loss to harvesting season. This is detailed in Section 7 and Section 19 of the EIA/EMP report.
Is there a piece of land which Impala has in mind to provide as an alternative for the farmer affected at Shaft 16 waste rock dump expansion site?	Itumeleng Hume, focused meeting with RBA, 31 July 2012	Where farming land is lost to mining, the affected farmer(s) will be provided with alternative suitable land by facilitating discussions with the Royal Bafokeng Administration (RBA) and if this is not feasible alternative compensation will be provided. This is detailed in Sections 7 and 19 of the EIA/EMP report.
Impala must help us to buy more land. The RBA is in the process of purchasing 5000 ha and need more funds. Perhaps the agreement with Impala could be improved. Our agricultural land is comprised of black-turf soils which are fertile and the groundwater used for watering of cattle is subject to pollution. Provided that we are compensated with land which is well grassed and has good water, our farmers would relocate	Advocate Kenneth Mokate, focused meeting with RBA, 31 July 2012	This will probably require reconsideration of the current surface lease agreement. This idea will be passed on to the Impala legal department. This is something that will be discussed at the next Impala-RBN meeting.

ISSUE RAISED	BY WHOM AND WHEN	RESPONSE GIVEN BY PROJECT TEAM
<p>happily. The RBA would then allow Impala to use the existing land fuss-free.</p>		
<b>Surface water issues</b>		
<p>You mention surface water as part of your environmental definition. The dam in Kanana is already polluted and this is affecting the cattle. This is an issue which has been raised previously. As Impala what are you going to do?</p>	<p>Victoria Makhaula (Ward 23), focused meeting with Future Forum, 17 August 2012</p>	<p>Surface water monitoring and pollution control at Shaft 16 WRD will be undertaken in line with Section 12 and as stipulated in Impala's EMP commitments in Section 19 of the EIA/EMP report.</p>
<p>In terms of section 144 of the National Water Act, Act 36 of 1998 it is required that the 1:100 year floodline be demarcated on development plans. No development is encouraged within the 1:100 year floodline.</p>	<p>Department of Water Affairs, comments on scoping report received by email on 29 October 2012</p>	<p>The 1:100 year floodline is indicated on the surface infrastructure layouts for both the Shaft 16 WRD expansion project and Pit8C project. These figures are included in the EIA/EMP report.</p>
<b>Groundwater issues</b>		
<p>Groundwater pollution (in the form of nitrates) is increasing every day. Ten years from now our water will be highly toxic to our people and livestock.</p>	<p>Advocate Kenneth Mokate, focused meeting with RBA, 31 July 2012</p>	<p>If this is the case, it is worth noting that in many cases there are technical solutions to treating water, this includes solutions such as the pump and treat method. Impala is monitoring and modelling the groundwater within its surface use area and will adjust its water management strategy accordingly to include the best mitigation measures if required.</p>
<p>Could you elaborate on the nature and extent of the groundwater pollution/contamination that has necessitated the expansion of the WRD? Furthermore could you provide me with a groundwater monitoring report, preferably a consolidated report, indicating parameters exceeded and trending etc.</p>	<p>Khalid Patel, EIMS, comment by email dated 2 August 2012</p>	<p>The existing waste rock dump (WRD) at No 16 shaft was constructed as per the approved EMP. However, groundwater monitoring at the WRD shows that there has been some contamination emanating from the WRD, especially with respect to nitrates and chlorides. The highest contaminant concentration was picked up immediately downstream of the WRD. At a distance of a few hundred meters away it is in a range of 160mg/l of nitrates and 2800mg/l of chloride. The water quality in a borehole drilled on the eastern side of the shaft, between</p>

ISSUE RAISED	BY WHOM AND WHEN	RESPONSE GIVEN BY PROJECT TEAM
		<p>the shaft and the Kanana village does not show contamination, with nitrate and chloride levels of 4.6mg/l and 235mg/l respectively.</p> <p>The existing WRD was constructed as per the Impala Platinum – Rustenburg Operations (Impala) practices. The method of WRD construction did include the compaction of the in-situ clay, but the entire footprint area was prepared at the start of the development of the WRD. Because moisture could not be retained in the compacted clay, the clay liner cracked and it is thought that this is the main cause of the groundwater contamination at the shaft 16 WRD area.</p> <p>In an effort to prevent and minimise pollution from future WRDs, Impala, with assistance from the specialist consultant (SLR) has developed a new design method which includes the combination of a clay lining system (with runoff collection trenches) and concurrent rehabilitation. This significant improvement in the design of the facility requires that the WRD footprint be progressively developed ahead of deposition i.e. only the area to be used for dumping in one year will be prepared at a time, and a layer of waste rock will be used as cover to prevent the clay liner from drying out and cracking. Another significant change is that the side slopes of the WRD will be rehabilitated concurrently with the operation of the WRD, and this will minimise seepage into the WRD.</p> <p>It is expected that these design improvements and operational changes should play a significant role in preventing and minimising groundwater contamination from the WRD. However, it should be noted that for</p>

ISSUE RAISED	BY WHOM AND WHEN	RESPONSE GIVEN BY PROJECT TEAM
		<p>concurrent rehabilitation to be successful, the side slopes of the WRD must be relatively flat during the operational phase. This is a significant change from the old method of dumping at the angle of repose, and only flattening the sides at the end of the operational phase during site rehabilitation. The flatter sides of the operational WRD will therefore require a significantly larger footprint.</p>
<p>There is possibility of seepage from the WRD into groundwater, which may contain elevated levels of chromium and other elements; therefore continuous water monitoring should be done on the existing and proposed WRD.</p>	<p>Rustenburg Local Municipality, comments on scoping report received by email on 2 November 2012</p>	<p>A project specific WRD design is included in Appendix H of the EIA/EMP report.</p> <p>The groundwater monitoring programme is discussed in Section 21 and illustrated in Figure 18 of the EIA/EMP report.</p>
<b>Rehabilitation issues</b>		
<p>How sure are you that rehabilitation of the open pit will be feasible?</p>	<p>Khalid Patel focused meeting with RBA, 31 July 2012</p>	<p>The project team is confident that rehabilitation will be feasible. Impala has a ten year track record of successful rehabilitation and will continue to do so in accordance with their EMP commitments. Pit rehabilitation commitments are included in Section 19 of the EIA/EMP report.</p>
<p>Impala should ensure the securing of topsoil for rehabilitation either concurrent with mining or afterwards.</p> <p>The stripped and stockpiled topsoil may be chemically altered due to storage, this can be potentially alter nutrient levels in the soil and result in a loss of fertility, therefore proper management of topsoil must be ensured.</p>	<p>Department of Agriculture, Forestry and Fisheries, comments on scoping report received by email on 9 October 2012</p> <p>Rustenburg Local Municipality, comments on scoping report received by email on 2 November 2012</p>	<p>Stripping, storing, maintenance and replacement of topsoil will be done in accordance with soil management procedures. Soil management commitments are included in Section 19 of the EIA/EMP report.</p>
<b>Blasting issues</b>		
<p>What is Impala doing about the blasting</p>	<p>Victoria Makhaula (Ward 23), focused</p>	<p>Impala manages blasting issues according to the blast</p>



ISSUE RAISED	BY WHOM AND WHEN	RESPONSE GIVEN BY PROJECT TEAM
<p>issues which have been raised in the past?</p> <p>Mitigation measures must be implemented to minimise health hazard and risk to surrounding villages (i.e. flyrock and vibration)</p>	<p>meeting with Future Forum, 17 August 2012</p> <p>Rustenburg Local Municipality, comments on scoping report received by email on 2 November 2012</p>	<p>management, monitoring and mitigation commitments as set out in Section 19 of the EIA/EMP report.</p> <p>According to the existing monitoring and EMP performance assessment (Section 21 of the EIA/EMP report), monitoring of each blast will take place for the duration of blasting activities. Points for off-site vibration and airblast monitoring will be identified in consultation with surrounding landowners and a blast monitoring specialist. The monitoring results will be documented and maintained for record-keeping and auditing purposes. Detailed technical management options for blasting can be found in Table 61 of Section 19 of the EIA/EMP report.</p>
<p><b>Heritage issues</b></p>		
<p>There are graves at Shaft 16. Are they fenced? What is going to be done about them when Shaft 16 is expanded?</p> <p>According to the information provided on this development to SAHRA, it is unlikely that any significant impacts on heritage resources will result from the construction of the proposed waste rock dump expansion and Pit 8C project as the area has already been highly impacted. Consequently, SAHRA Archaeology, Palaeontology &amp; Meteorites (APM) Unit has no objection to the proposed development on the condition that if any evidence of archaeological sites or remains (e.g., remnants of stone-made structures, indigenous ceramics, bones, stone artefacts, ostrich eggshell fragments, marine shell</p>	<p>Victoria Makhaula (Ward 23), focused meeting with Future Forum, 17 August 2012</p> <p>SAHRA, comments on scoping report received by email on 17 August, 2012</p>	<p>The expansion refers only to the existing waste rock dump at Shaft 16.</p> <p>No heritage, cultural and palaeontological resources have been identified within the proposed Pit8C or Shaft 16 WRD expansion sites. Notwithstanding the above, any chance finds at the proposed project sites will require a permit from the South African Heritage Resources Agency (SAHRA) if these sites were to be altered. If there are any chance finds of heritage and/or cultural sites, Impala will follow its response procedure included in Section <b>Error! Reference source not found.</b> of the EIA/EMP report. This includes immediate notification to SAHRA.</p>

ISSUE RAISED	BY WHOM AND WHEN	RESPONSE GIVEN BY PROJECT TEAM
<p>and charcoal/ash concentrations), unmarked human burials, fossils or other categories of heritage resources are found during mining activities, SAHRA APM Unit (Katie Smuts/Colette Scheermeyer 021 462 4502) must be alerted immediately, and an accredited professional archaeologist must be contacted as soon as possible to inspect the findings. If the newly discovered heritage resources prove to be of archaeological or palaeontological significance a Phase 2 rescue operation might be necessary.</p>		
<p><b>Air pollution issues</b></p>		
<p>Dust generated by construction activities must be effectively controlled by water spraying and/or other dust-allaying agents</p>	<p>Rustenburg Local Municipality, comments on scoping report received by email on 2 November 2012</p>	<p>In accordance with the commitments in Section 19 of the EIA/EMP report, during the construction, operational and decommissioning phases, the following specific mitigation measures will be implemented for the main emission sources: roads, blasting, drilling, materials handling, vehicles and wind erosion:</p> <ul style="list-style-type: none"> <li>• limit the disturbance of land to what is absolutely necessary and in accordance with the existing mine infrastructure layout;</li> <li>• Impala will apply dust suppression on unpaved roads through chemical binding agents and/or water sprays combined with vehicle speed controls;</li> <li>• dust control at material handling points should be done by means of water sprays;</li> <li>• rehabilitation and re-vegetation of all decommissioned areas;</li> <li>• if not reprocessed, vegetate the side slopes of the</li> </ul>

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<b>Waste Issues</b>		
<p>An integrated waste management approach that is based on best practice which incorporates reduction, recycling, re-use and disposal must be used.</p>	<p>Rustenburg Local Municipality, comments on scoping report received by email on 2 November 2012</p>	<p>existing permanent WRD and ensure concurrent rehabilitation of the expanded permanent WRD; and</p> <ul style="list-style-type: none"> <li>• maintenance of all vehicles to achieve optimal exhaust emissions.</li> </ul> <p>Waste management will be done as outlined in Section 2 and Section 19 of the EIA/EMP report.</p>
<p>It is said under 3.1.4 of the scoping report that portable toilets will be provided at the proposed Pit8C project site and routine sewage removal will be required to transport sewage from these toilets to one of its existing approved impala sewage treatment plants. You are therefore requested to provide this Department with proof that the said sewage facility is approved and have enough capacity to cater for the expansion project.</p>		<p>The approved certification for the facilities is included in Appendix A (Information sharing with authorities) of the EIA/EMP report. The existing 3 sewage plants currently service approximately 20 000 employees. Given that no additional staff will be employed for the Pit8C project and only 10-20 additional staff will be required for the Shaft 16 WRD expansion project (this will be during the construction phase only), it is expected that the existing sewage facilities will be sufficient to cater for the proposed projects.</p>
<p>Stormwater should by no means be allowed to enter the sewage system.</p>		<p>In accordance with the commitments in Section 19 of the EIA/EMP report, water management facilities for the control of stormwater and for pollution prevention will be designed to meet the requirements of Regulation 704, 4 June 1999 (Regulation 704) for water management on mines.</p>
<p>All general waste such as domestic waste and cleared vegetation should be separated from hazardous waste such as fuel, lubricants and explosive packaging and be disposed of at an accredited landfill with proof of</p>		<p>General and hazardous waste will be collected and removed from the proposed project sites and transported to existing Impala waste management facilities where it will be temporarily stored prior to re-use, recycling, or disposal in accordance with existing approved practices. Impala will continue to implement management</p>

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<p>accreditation.</p> <p>Should there be any incident or potential incident that might impact on any water resources, this office must be notified immediately.</p>		<p>procedures for the handling and disposal of hazardous and non-hazardous materials.</p> <p>Major spillage incidents will be handled in accordance with the Impala emergency response procedure outlined in Section 20 of the EIA/EMP report.</p>
<b>Socio-economic Issues</b>		
<p>As far as possible, employment opportunities should be given to the local skilled, semi-skilled and unskilled labour force during the construction and operation phases to stimulate the local and regional economy as per the Social and Labour Plan.</p>	<p>Rustenburg Local Municipality, comments on scoping report received by email on 2 November 2012</p>	<p>With regards to the WRD expansion, the strategy is to involve people from the local community as far as possible. This has the potential to increase employment and procurement opportunities as outlined in Section 2, Section 7 and Appendix F of the EIA/EMP report.</p>

**IMPALA PLATINUM LIMITED**

**PEGELO YA TSHEKATSHEKO YA KAMEGO YA TIKOLOGO LE LENANEO LA TSAMAIISO YA TIKOLOGO  
YA TSHITSHINYO YA DIPOROJEKE TSA KOKETSO YA THOTHOBOLO YA MASALELA A MATLAPA YA  
SHAFT 16**

**PEGELO YA TSHEKATSHEKO YA KAMEGO YA TIKOLOGO LE LENANEO LA TSAMAIISO YA TIKOLOGO  
YA TSHEKATSHEKO YA BOTLHE**

Madume Rre/Mma

**1. KITSISO**

Impala Platinum Limited (Impala) e laola ditirelo tsa moepo le go tlotlha te dileng dikilometara di kanna some le borataro gotswa kwa Rustenburg Impala e tshits'hinya go dira ditirelo tsa mosima oo bulegileng tse di kailweng ele tse di tshits'hinngwand tsa porojeke ya Pit8C le koketso ya ga jaana ya thothobolo ya masalela a matlapa (WRID) kea Shaft 16.

Ka kopo lebelela Mametlelelo 1 (ee lomagantsweng) go bona dintlha ka bottlalo ka ga diporojeke tse di tshits'hintsweng.

SLR (Pty) Ltd (SLR), setheo se se ikemetseng sa bagakalodi ba Tikologo, se thapilwe ke Impala go laola dikarolo tsa tsamaiso ya Tikologo.

Ka ntlha eno, pegelo ya tshekatsheko ya kamego ya tikologo (EIA) le lenaneo la tsamaiso ya tikologo (EMP) ya tshits'hinyo ya diporojeke tsa koketso ya Pit8C le Shaft 16 WRD e teng ga jaana go sekasekwa ke botlhe.

**2. TEKOLO YA PEGELO YA TSHEKATSHEKO YA KAMEGO YA TIKOLOGO**

Go tlaleletsa mo tshosobanyong ya Tshekatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo ee setseng e phasaladitswe (kwa Malokong otlhe aa Nang le Kgatlhego le a Amegang aa kwadisitsweng databaiseng ya go tsaa karolo ga batho botlhe), dikhopi ka bottlalo tsa pegelo ee fetotsweng ya

Tshekatsheko ya Kamego ya Tikologo/ Lenaneo la tsamaiso ya Tikologo e neetswe batho botlhe go e lekola kwa mafelong aa latelang:

- Impala Platinum Limited (Lefapha la Banna-le-seabe la Impala): c/o Johanna Tau
- SLR Consulting Library (Kantoro ya Johannesburg)
- Laeborari ya Rustenburg: c/o J Pienaar
- Masepala wa Selegae wa Rustenburg: c/o K Mekgoe
- Dikantoro tsa Botsamais tsa Royal Bafokeng: c/o Reotsephile Tlhapane
- Maphata a Baemedi a metsana ee latelang (a akaretsang Future Forum):
  - Ward 4 (c/o L Sephai)
  - Ward 23 (c/o M Makhaula)
  - Ward 24 (c/o M Makopo)
  - Ward 38 (c/o M Motshegwe)

Dikhophi tsa eleketeroniki tsa pegelo ee baakantsweng ya Tshekatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo e tla neelwa ka kopo ya Maloko aa nang le Kgatlhego le a Amegang.

Maloko aa nang le Kgatlhego le a Amegang e neetsa go 20 Thlakole 2013 go lekola pegelo ya Tshekatsheko ya Kamego ya Tikologo. Ditshwaelo di tshwanetse tsa romelwa ka go kwalela go SLR ka fekese (+27 11 467 0978) le/kgotsa email ([cpringle@slrconsulting.com](mailto:cpringle@slrconsulting.com)).

Ditshwaelo tsotlhe tse di amogetsweng ditla fetisetwa kwa balaoding ba ba matshwanedi gore go tsewe tshwetso.

Fa ona le dipotso dingwe le dingwe ka ga porojeke ee tshitshinngwang kgotsa ka tsamaiso ya Tshekatsheko ya Kamego ya Tikologo, ka kopo ikgolaganye le yoo kwadilweng fa tlse.

Madume

Caitlin Pringle

Brandon Stobart

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

*E-mail: [cpringle@slrconsulting.com](mailto:cpringle@slrconsulting.com)*

**MAMETLELELO 1: Tshosobanyo ya pegelo ya Tshekatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo ya ditiragalo tsa tshitshinyo ya mosima yoo atlhameng kwa Pit8C le ya koketso ya Thothobolo ya Masalela a Matlapa (/WRD) kwa Shaft 16**

**Kitsiso**

Impala Platinum Limited (Impala) e laola moepo le tirelo ya go tlotlha ee leng selekanyo sa dikilometara dile some le borataro gotswa mo Rustenburg. Ka 2005, Lefapha la Dimenerale le Didirisa (DMR) le letleletse pegelo ee bankantsweng ya Tshekatsheko ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo ya goepiwa ga merafo ka bobedi ya UG2 le Merensky go dirisiwa mekgwa ya go epa ya mosima oo atlhameng. Karolo ya polase ya Vaalkop 275 JQ le Beerfontein 263 JQ ene ya ntshiwa mo lefelong le le amanang le porojeke. Impala e tshitshinya go simolola ditirelo tsa mosima oo atlhameng tse di kaiwang jaaka porojeke ee tshitshinngwang ya Pit8C, ee leng mo dipolaseng tsa Vaalkop 275 JQ le Beerfontein 263 JQ. Porojeke ee tshitshinngwang ya Pit8C etla lebagana fela le morafu wa Merensky. Lefelo la porojeke ee tshitshinngwang ya Pit8C le tla lebelela fela morafu wa Merensky.

Go tlaleletsa mo go seno, Impala e tshitshinya go oketsa thothobolo ya masalela a matlapa (WRD) ee leng teng kwa Shaft 16, ee mo polaseng ya Reinkoyalskraal 278 JQ. . Thothobolo ya masalela a matlapa ya ga jaana ene e agilwe go ya ka pegelo ee baakantsweng e letlelwetswe ya Tshekatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo ya Shaft 16 (Golder 2004), mme fela dipholo tsa tlhokomelo di sale tsa bontha fa Thothobolo ya Masalela a Matlapa ele yone e bakang ketegelo ya kgotlhelego. Ka foo Impala e tshitshinya go oketsa porojeke ya thothobolo eo ya masalela a matlapa ya Shaft 16, ee tlhokegang gore go dirwe mekgwa e meshwa ya go thibela kgotlhelego mo karolo ee okeditsweng ya thothobolo.

Diporojeke di mo lefelong le le fa godimo la Impala kwa madirelong a yone aa kwa Rustenburg. Lefelo leno le wela mo gare ga Masepala wa Selegae wa Rustenburg le Masepala wa Sedika wa Bojanala Platinum mono Porofenseng ya Bokone Bophirima. Sebeo sa selegae se bontshiwa mo Setshwantsho 1.

SLR Consulting (Pty) Ltd (SLR), ke setheo se se ikemetseng tsa bagakolodi ba tikologo, se thapilwe ke Impala go laola tsamaiso ya theboto ya tikologo.

Go ya ka ditlhokego tsa Molawana wa Tlhabololo ya Didiriswa tsa Dimenerale le Petroliamo, 28 wa 2002 (MPRDA), tsamaiso ya Tshekatsheko ya Kamego ya Tikologo ena le magato a mabedi: kgato ya patlisiso le kgato ya tshekatsheko ya kamego ya tikologo e tlhakane le kgato ya lenaneo la tsamaiso ya tikologo. Pegelo eno enale Tshekatsheko ya Kamego ya Tikologo le Lenaneo la Tsamaiso ya Tikologo ya porojeke ee tshitshinngwang.

**Thotloetso ya porojeke (ditlhokego le dikeletso)**

Go tlaleletsa mo Pit8C jaaka ele lefelo la moepo wa mosima oo atlhameng ke tharabololo ee siametseng ekonomi ya Impala, mme etla natlafatsa go epiwa ga didiriswa tsa dimenirale. Go okediwa ga Thothobolo ya Masalela a Matlapa (WRD) ya Shaft 16 go botlhokwa jaaka kgato ya go thibela kgotlhelego. Jaaka go itsege gore go tla dirisiwa babereki ba ba leng teng mo porojekeng ya Pit8C, poelo ke tswelelo ya ditiro. Mo ntlheng ya koketso ya Thothobolo ya Masalela a Matlapa (WRD), leano ke go akaretsa batho gotswa kwa metseng ee mabapi ka moo go ka kgonegang ka teng mme go tla nna le tshono ya koketsego mo ditshonong tsa ditiro le go ngokela ditirelo.

**Tsamaiso ya tshekatsheko ya tikologo**

Pele ga tshimololo ya diporojeke tse di tshitshinngwang, tetla ya tikologo ea tlhokega go tswa kwa mafapheng aa itlhomileng a puso. One a akaretsa:

- tshwetso ya tikologo go tswa kwa DMR mabapi le MPRDA ka ga paakanyo ya Tshekatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo;
- tshwetso ya tikologo mabapi le Molawana wa Bosetshaba wa Tikologo, 107 wa 1998 (NEMA) gore o rebole ditirelo tse di kwadilweng tsa NEMA go ya ka tsamaiso ya tshekatsheko le pegelo ya tshekatsheko e amanang le yone; le
- Paakanyo ya lekwalo tetla la tiriso ya metsi gotswa kwa Lefapheng la Merero ya Metsi (DWA) mabapi le Molao wa Bosetshaba wa Metsi (NWA) 36 wa 1998 go ya ka kopo ya lekwalo tetla la tiriso ya metsi (WULA).

Tsamaiso ee maleba ya tshekatsheko ya tikologo, mabapi le ditlhoko tsa MPRDA, di akareditswe mo dikgatong tse di latelang:

- Tsamaiso ya patlisiso ene ya dirwa go kaya tikologo ee maleba, dintlha tsa loago le ekomoni le go tlhalosa mabaka a kaelo a dithuto tsa boitseanape jo bo tlhokegang le Tshekatsheko ya Kamego ya Tikologo.
- Dithuto tsa boitseanape dine tsa dirwa go ya ka mabaka a kaelo aa maleba. Disepeshelisite dine tsa tlhopiwa go ya ka boitseanape jwa tsone le kitso ya lefelo la porojeke.
- Pegelo ya Tshekatsheko ya Kamego ya Tikologo ene ya dirwa go ya ka diphitlhelelo tsa dithuto tsa disepeshelisite le setlhopha sa porojeke.
- Lenaneo la Tsamaiso ya Tikologo le akaretsa maikano aa leng gone a Impala a tsereganyo le taolo go tlaleletse kwa maikanogn a tsereganyo aa kailweng le go tlhalosiwa mo Tshekatshekong ya Kamego ya Tikologo.



**Setshwantsho 1 – mabeo a selegae**

**Go akarediwa ga banna le seabe**

Tsamaiso ya go akarediwa ga banna-le-seabe e simolotse pele ga patlisiso e tsweliswa ka nako ya tsamaiso ya tshekatsheko ya tikologo. Jaaka ele karolo ya tsamaiso, bathati le maloko aa nang le kgatlhego le a amegagn (IAPs) ba neetswe tshono ya go tla kwa dikopanong tse di lebisitsweng, go romela dipotso le ditshwaelo kwa sethopheng sa porojeke, le go sekaseka lekwalo la maikaelelo (le le neetsweng jaaka lekwalo la tshedimosetso ya lemorago), pegelo ya patlisiso le pegelo ya ga jaana ya Tshekatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo. Ditshwaelo tsothe tse di rometsweng ga jaana ke bathati le Maloko aa Nang le Kgateleho le a Amegang a akareditswe le go lebellwa mo pegelong ya Tshekatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo. Ditshwaelo goya pele tse di tswang mo tshekatshekong ya tsamaiso ya pegelo ya Tshekatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo etla tshwarwa ka one mokgwa o tshwanang.

**Diphitlheleo tsa tshekatsheko ya kamego go ya ka dintlha tsa porojeke**

Koketso ya diporojeke tsa Thothobolo ya Masalela a Matlapa WRD ya Shaft 16 le Pit8C di golaganngwa le tikolo tse di farologaneng, dikamego tsa leago le ekonomi fa go akanyetswa koketsego. Dikamego dikgolo tsa porojeke nngwe le nngwe di sosobantswe fa tlase.

**Pit8C**

Mabaka magolo aa tlhotlheletsang kgonego ya dikamego tse di amanang le porojeke ya Pit8C ke bogolo jwa yone, semelo sa yone, lefelo la yone le kamano ya ekonomi. Porojeke ee tshithinngwang ya Pit8C etla aparela lefelo la selekanyo sa diheketara dile 5. Fa bontsi jwa lefatshe bo setse bo tshwentswe ke ditirelo tsa ga jaana tsa moepo wa Impala le popegotheo, gona le karolo e nnye ya lefatshe le le sa tshwenngwang le le dirisiwa ke badisa ba nakwana. Ka fa porojeke ee tshithinngwang ese mo gaufi le metse, dikamego tse di lekanyeditsweng di lebeletswe mme go solofetswe gore phetogo ya nakwana ya tiriso ya lefatshe ee tla nnang teng mo dikgweding tse 12-18 tsa botshelo jwa porojeke, go solofetswe gore go latela tlhabololo ee atlegileng kgonagalo ya lefelo la go fudisa le tla nna teng.

Koketso ya Pit8C jaaka lefelo la moepo wa mosima oo atlhameng ke ntlha ee siametseng ekomomi ya Impala, mme etla tsholetsa go ntshiwa ga didiriswa tsa dimenerale. Ka fa go tla dirisiwa badiri ba leng teng, dipelo tse di maleba etla nna tsa go tsweliswa ga ditiro.

**Shaft 16 WRD**

Mabaka magolo aa tlhotlheletsang kgonego ya dikamego tse di amanang le porojeke ya Pit8C ke bogolo jwa yone, semelo sa yone, nako ya yone, lefelo la yone le kamano ya ekonomi.

Koketso ya Thothobolo ya Masalela a Matlapa ya Shaft 16 etla aparela lefelo la diheketara dile 19. Ka fa lefelo leno le setse le tshwentswe ka ditirelo tsa temothuo (temo ya sonobolomo mo lefatsheng le le omileng), karolo ele nnye ke sekgwa se se lolea se sesa tshwenngwang. Ka fa Kanana ele motse oo gaufi le lefelo le le tshithinngwang, go lebeletswe gore kamego tsa phetogo ya tiriso ya lefatshe etla

utlwiwa ke molemi wa sonobolomo mo lefatsheng lele omileng Rre Basi Ntsimane ga mmogo le bafudisi ba dikgomo ba bangwe. Koketso ee tshitshinngwang ya Thothobolo ya Masalela a Matlapa WRD ya Shaft 16 e solofetswe go tsena tirisong mo selekanyetsong sa dingwaga dile 30. Ka foo, etla tswelela go duelwa goya goile mme ka foo e tlatlatsa ditirelo tsa temo ya sonobolomo goya go ile. RBA le Impala batla ikgolaganya le balemi ba ba maleba ka ntlha ya tuelo ya tatlhegelo ya lefatshe

Koketso ya Shaft 16 WRD e botlhokwa jaaka legato la go thibela kgotlhelego le go dira diphetogo tsa sebopego tse di diriweng pele kwa WRD ya ga jaana ee tlhabololwang (seno se dirilwe go a ka Lenaneo la Tsamaiso ya Tikologo lele letleletsweng la Impala). Leano kego akaretsa batho gotswa kwa merafeng ya selegae le bokgala jo bo ka kgonegang mo go ka nnang le kgonagalo ya go oketsa ditiro le go ngoka ditshono. Go lekanyediwa ditshono dile 10-20 tsa ditiro tse di tlholwang (tsone di tla nna tsa kgato ya kago fela. .

### Tshosobanyo ya tshekatsheko ya koketsego ya kamego

Tshosobanyo ee kokoatshweng ya dikamego tse di tsweleng tsa ditirelo tsa ga jaana tsa Impala le maphata aa kailweng fa godi a diporojeke ka bobedi e neetswe mo Tafole 1.

**TAFOLE 1: TSHOSOBANYO YA KGONEGO YA DIKAMEGO TSE DI TSWELELANG TSE DI TSAMAISANANG LE DIPOROJEKE TSE DI TSHITSHINNGWANG**

Karolo	Kgonagalo ya kamego	Botlhokwa jwa kamego (dipholo ga dia siama ntle fela lefa go kaiwa ka mokgwa o mongwe)	
		Disa tseregan ngwa	Di tseregantswe
<b>Jioloji</b>	Tatlhegelo le bophepha jwa didiriswa tsa dimenerale	M	L
<b>Topokerafi</b>	Go epiwa go go kotsi le popegotheo	H	M
<b>Bokgoni jwa mebu le lefatshe</b>	ya didiriswa tsa mmu le bokgoni jwa lefatshe ka ntlha ya kgotlhelego	H	L
	Tatlhegelo ya didiriswa tsa mmu le bokgoni jwa lefatshe ka ntlha ya go tshwengwa	H	L (M ya WRD)
<b>Botshelo jwa ditshedi le dijalo</b>	Go senngwa ga botshelo jwa ditshedi le dijalo	H (M ya WRD)	M-L
	Go tshwengwa ga botshelo jwa ditshedi le dijalo	M	M-L
<b>Metsi aa fa godimo ga lefatshe</b>	Kgotlhelego ya didiriswa tsa metsi	H	L
	Go fetola ga metlhala ya didiriswa tsa tlhago tsa kgogolego	H	M
<b>Metsi aa kwa tlase ga lefatshe</b>	Kgotlhelego ya metsi aa kwa tlase ga lefatshe	H	L
	Go ntshiwa ga metsi	M	L
<b>Boleng jwa mowa</b>	Kgotlhelego ya mowa	H	M
<b>Modumo</b>	Kgotlhelego ya modumo	L	L

Karolo	Kgonagalo ya kamego	Botlhokwa jwa kamego (dipholo ga dia siama ntle fela lefa go kaiwa ka mokgwa o mongwe)	
		Disa tsereganngwa	Di tseregantswe
Thunyo	Dikamego tsa thunyo	H	M
Pharakano	Go tshwenngwa ga ditsela le pabalesego ya pharakano	H	M
Pono	Dikamego tsa pono	M	L
Boswa, palaentoloji le didiriswa tsa setso	Tatlhegelo ya boswa, didiriswa tsa palaentoloji le setso	N/A	N/A
Leruo-ekonomi	Kanego ya ekonomi	M+	H+
	Phudugo ya kafa gare	H	H-M
Tiriso ya lefatshe	Kamego ya tiriso ya lefatshe	H	L

### Nako ya Porojeke

Diporojeke di tla tswelala fela fa di letleletswe. Tafole 2 e bontsha dinako tse di maleba.

#### TAFOLE 2: DINAKO TSA POROJEKE

Ntlha	Nako
<b>Pit8C</b>	
Tshimololo ya kago	Kago etla simolola ka 2013 go ya ka thebolo
Nako ya kgato ya kago	Selekanyo sa dikgwedi tse 3-f ( pulo ya mosima)
Botshelo jwa tirelo	Selekanyo sa dikgwedi dile 12-18
<b>Koketso ya Shaft 18 WRD</b>	
Tshimololo ya kago	Kago etla simolola ka 2013 go ya ka thebolo
Nako ya kgato ya kago	Selekanyo sa dingwaga tse 30

### Bokhutlho

Pegelo ee baakantsweng ya Tshekatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo le botsha leano la diporojeke jaaka go tihalositse Impala, le tlhagisa diphithlelelo tsa dithuto tsa sepeshelise, le tihalosa le go sekasesa kgonego ya dikamego mo tikologong ee amogelang dipopego tse di tseregantsweng le tse di sa tsereganngwang, go akaretsa le dikamego tse di tswelelang, le go tihalosa magato ga mmogo le mananeo a tlhokomelo go tlhokemla le go tsereganya kgonego ya dikamego.

Tshekatsheko ya diporojeke tse di tshitshinngwang di bonthsa kgonego ya dikamego tse di sa siamang tse di ka diregang (mo dipopgegong tse di sa tsereganngwang) le mo sebopegong sa botshelo jwa ditshedi le dijalo, ditikologo tsa setso le leruo-ekonomi mo mafelong a porojeke le mo mafelong aa mabapi. Ka tsereganya kgonego ya dikamego tseong eka thibelwa kgotsa go fokodiwa kwa maemong aa letlelesegang.

Tshekatsheko ya kamego ya ekonomi e feleleditse ka gore tihabololo ya porojeke etla nna le kamego ee siameng kwa ekonoming. Go feta moo, tshekatsheko ya mokgwa mongwe ya tiriso ya lefatshe e feleleditse ka gore dikarolo tsa porojeke ee tshitshintsweng ke tsona tse di tihopilweng tsa tiriso ya lefatshe.

Go latela gore fa Lenaneo la Tsamaiso ya Tikologo le simolotswe sentle go ka senne le mabaka a tikologo, leago kgotsa ekonomi la gore goreng porojeke eka se tswelele.

**MAMETLELELO 2: TSHOSOBANYO YA DINTLHA TSE DI TLHAGISITSWENG KE MALOKO A BOLAODI LE MALOKO AA NANG LE KGATLHEGO LE A AMEGANG**

DINTLHA TSE DI TLHAGISITSWENG	KE MANG KAE	PHETOLO EE NEETSWENG KE SETLHOPHA SA POROJEKE
<p><b>Procedural related issues</b> <b>Dintlha tse di malabana le melawana ya tsamaiso</b></p>		
<p>Fa diporojeke di kopanngwa gona tsamaiso ele nngwe ya tikologo le pegelo go tla lebellwa jang tihokego ya madi?</p>	<p>Khalid Patel, kopano ee lebisitsweng le RBA, 31 Phukwi 2012</p>	<p>Ditihokego tsa madi tsa porojeke ditla arolwa, jaaka go dirilwe mo pegelong ya Kopanelo ya Impala.</p>
<p>Pegelo e Kopantsweng etla rebolwa leng?</p>		<p>SLR e amogetse ditshwaelo gotswa kwa DMR, mme seno ga se nefatse gore go tla ntshiwa leng Record of Decision.</p>
<p>A koketso ya porojeke ya thothobolo ya masalela a matlapa ya Pit8C le Shaft 16 eka se akarediwe mo Kopanelong eno?</p>		<p>Porojeke nngwe le nngwe e ntshwa ena le pegelo ya yone ya Tshakatsheko ya Kamego ya Tikologo, mme fela Lenaneo la Tsamaiso ya Tikologo le kopane.</p>
<p>A ditihokego tsa madi ditla lebellwa gape?</p>		<p>Tihokego ya madi etla baakanngwa. Impala eka se bone tetla kwa ntle ga go dira seno.</p>
<p>A Impala e bone tetla gotswa kwa Lefapheng la Merero ya Metsi malebana le go kaiwa ga ntsha ya kgothhelego ya metsi a kwa tlase ga lefatshe?</p>		<p>Seno se dirilwe ka fa tlase ga taelo. Seno ene le boithaopi jwa Impala ka gangwe go latela diphoto tsa tihokomelo gotswa kwa didibeng tsa bone.</p>
<p>O umakilwe mafelo a botlhe a pegelo ya tekolo. Maloko mangwe mo morafeng ga a kgone go bala. Ke kopa go tshitsinyanya gore Future Forum e bontshe diporojeke tse di tshitsinngwang kwa morafeng gore ba kgone go thaloganya.</p>	<p>Victoria Makhaula (Ward 23), kopano ee lebisitsweng le Future Forum, 17 Phatwe 2012</p>	<p>Impala e neile Future Forum ka khophi ya tshwmtshiso ee dirilweng ke ba SLR.</p>
<p>Re ka itumella khophi ya tshwantshiso gore re e dirise jaaka go abelana ya tshedimosetso le merafe.</p>	<p>Lebogang Sephai (Ward 4), kopano ee lebisitsweng le Future Forum, 17 Phatwe 2012</p>	<p>Keoikantse Mogatle o tshepisitse go Future Forum etla neelana ka khophi ya tshwantshiso ee dirilweng ke SLR. Mo godimo ga seo, khophi ya metsotsho ya kopano etla romelwa ka email wa malokong othe.</p>
<p>Ke ka rata fa nka neelwa maina a ditirelo (go ya ka melawana ya NEMA) tse o tihokang go dira kopo ya tetla mo go tsone.</p>	<p>Khalid Patel, EIMS, tshwaelo ka email ka 2 Phatwe 2012</p>	<p>Kopo ya tela mo Ditirelong tse di latelang tsa NEMA e setse e rometse kwa DEDECT.</p>
		<p>Molawana 544, Kitsiso ya Ikwadiso 1</p>
		<p>Tiragalo 23: Tsosoloso ya go sa tlhabololwa, ga lefatshe le le senang ope kgotsa le le sa tihokomelweng kwa- (ii) bodulo, marekeko, kgwebo, boitapologo, madirelo magolo</p>

DINTLHA TSE DI TLHAGISITSWENG	KE MANG KAE	PHETOLO EE NEETSWEENG KE SETLHOPHA SA POROJEKE
A Pit8C e tihoka WULA kgotsa paakanyo ya		<p>kgotsa tiriso ya ditheo, kwa ntle ga lefelo la motse setoropo kwa lefelo lotlhe letla fetolwang le legolo go feta heketara ele 1 mme e nnye mo diheketareng tse 20;-</p> <p>Kwantle ga gore tlhabololo eo e nne teng mo ditiragalong tsa linear. Ka seno, diporojeke ka bobedi dina le legato la bogolo jwa heketara ele 1 ee kwa tase ga diheketara dile 20 mme dile mo karolong ya lefatshe lele senang sepe.</p> <p>Tiragalo 28: Kokeitso ya ditirelo tse di leng teng ya tsamaiso efe kgotsa tiragalo e mo go yone kokeitsego eka feleletsang ka tihokego ya lekwalo le leleng gone la tetla lele swa, kgotsa le baakangngwa, go ya ka mabaka kgotihatheo molao ya bosechaba kgotsa ya porofense oo laolang theboto ya ntshetso nthle kgotsa kgotlhelego, go sa akarediwe lefelo la tirelo, tsamaiso kgotsa tiragalo e akareditswe mo maineng a ditiragalo tsa tsamaiso ya masalela ee kwadilweng mo Karolo 19 ya Molao wa Bosechaba wa Tsamaiso ya Tikololo: Molao wa Masalela, 2008 (Nomore ya Molao. 59 wa 2008 o mo go one MOlao o tla tsenang tirisong. Ka foo, kokeitso ya thothobolo ya masalela e tla tihoka paakanyo ya lekwalo tetla la metsi la Impala.</p> <p>Molawana 544, Kirisiso ya Ikwadiso 3</p> <p>Tirelo 12: Go tihagolwa ga lefelo la dimetara dile 300 kgotsa go feta moo selekanyo sa 75% ya dijalo kgotsa go feta eleng dijalo tse disa tlwaelegang (a) Mo gare ga botshelo jwa dimela le ditshedi tse di tlwaelegileng le tse di sa tlwaelegang ee kwadilweng mo Karolo 52 ya NEMBa kgotsa pele ga kgatiso ya maina, mo teng ga lefelo le le kailweng jaaja le le sa tlwaelegang thatat mo Tshiekatshekong ya Bosechaba ya Spatial Biodiversity ya 2004. Go ya ka mabaka a dijalo, lefelo le le tshitshingwang la Pit8C le mo, karong, ya sekgwa se se lolea se le ga se senyegile ke ditlhabololo tsa ga jaana, se ka wela ka fag are ga mafelo a dimela a Marikana Thorrnfeld aa tlhokang tekolo ya tshekatsheko ya kamego pele ga go tshwenngwa. Ka foo, tiragalo 12 e tla tsena tirisong.</p> <p>Go ya ka semelo sa nakwana sa porojeke ee tshitshingwang ya</p>

DINTLHA TSE DI TLHAGISITSWENG	KE MANG KAE	PHETOLO EE NEETSWENG KE SETLHOPHA SA POROJEKE
<p>WULA ya ga jaana, kgotisa e akareditswe mo WULA ya malobeng ya lefelo la moepo?</p> <p>Impala e tshwanetse ya netefatsa gore e fokotsa mokwaga mongwe le mongwe wa kamego ee sa siamang go tswa kwa ditirelon gisa moepo mo gaufi le lefatshe la temothuo. Seno se raya go simololwa botsalano jo bo siamang le bang ba lefatshe le le gaufi.</p>	<p>Lefapha la Temothuo, Dikgwa le Go Tshwara ditlhapi, ditshwaelo tsa pegelo ya patlisiso di amogetswe ka email ka 9 Diphallane 2012</p>	<p>Pit8C, Impala e latelela mokwaga ole mongwa jaaka ya nako ee feileng ya mesima ee athameng ee leng mo tirisong ya lekwalo lengwe le lengwe la tiriso ya metsi mororo go sena kgogo ya metsi go tswa kwa mosimeng ee tla nngang kang- ee seng keng ya baka kang mo nakong ya ga jaana.</p> <p>Ka nako ya kgato ya paakanyo ya Tshekatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo bang ba lefatshe le madirisi ba lefatshe ka bobedi mo gare ga mafelo aa lebanegha porojeke go ikgolagantswe le bone. Maloko ano aa Nang le Kgatlhego le a Amegang ane a akaretisa molemi wa sonobolomo Rre Basi Ntsimane kwa lefelong la koketso ya Thothobolo ya Masalela a Matlapa ga mmogo le bafusia dikgomo kwa mafelong ale mabedi ga goneng go ikgolagantswe le bone ka RBA. Go ya ditheo di tshwana le Lefapha la banna-te-seabe ya Impala, komiti ya moepo ya RBA le baemedi ba bangwe, Impala e nale dikanale tse di buletsweng tsa dipuisano le Maloko aa Nang le Kgatlhego le a Amegang.</p>
<p>Impala e tshwanetse ya dira lenaneo le le siamang la taolo ya mofero le dijalo tse di sa siamang.</p>	<p>Lefapha la Tihabololo ya metse magae le Kagosesha ya Lefatshe, ditshwaelo tsa pegelo ya patlisiso di amogetswe ka email ka 24 Diphallane 2012</p>	<p>Jaaka go buliwe mo Karolo 7 le 19 ya paakanyo ya pegelo ya Tshekatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo, Impala e dira lenaneo la taolo ya tsamaiso ya morefo le fesa tiwaelegang/ le sa felela go laola go tlaala tala ga dijalo tse mo mafelong aa tshwentsweng. Seno se dirwa ka tsela ya go fedisa, go tlhomiwa ga ditshedi tsa tlhago le tlhokomelo ee tswelletseng le tshekatsheko. Go tshwanetse ga tlhokomelwa, gore ka ntsha eno, tiriso ya di bolaya mofero etla laolwa fela ka go letlelela Badiri ba Taolo ya Ditshenekegi (POC gore ba dirise dikhemikhale kgotsa mofuta e mengwe ya ditshedi.</p>
<p>Mo pegelong ya gago o kalle fa gona le balemi ba batla amegang ke koketso. Ga kea bona pegelo mo o ikgolagantseng le balemi ba ba amegang gore ke eng maikutlo a bone ka kang eno. Ke ka itumela fa oka ikgolaganya le balemi le go ba neela pegelo.</p>	<p>Lefapha la Tihabololo ya metse magae le Kagosesha ya Lefatshe, ditshwaelo tsa pegelo ya patlisiso di amogetswe ka email ka 24 Diphallane 2012</p>	<p>Jaaka go kalliwe mo Pegelong ya Patlisiso le go latelela dipuisano le Botsamaisi jwa Royal Bafokeng (RBA), balemi ba ba amegileng ke Rre Basi Ntsimane (molemi wa sonobolomo kwa lefelong la koketso ya Thothobolong ya Masalela a Matlapa ya Shaft 16) ga mmogo le bafudisi ba dikgomo kwa lefelong la Pit8C. Go golaganwe le maloko ka bobedi go diriswa RBA jaaka kanale. Go lomagantswe Marmetlelelo C ya pegelo ya Tshekatsheko ya Kamego ya Tikologo le Lenaneo la Tsamaiso ya Tikologo jaaka sesupo sa kgolagano le Rre Ntsimane le bafudisi ba dikgomo (ba ba emetsweng ke RBA). Sesupo seno</p>



DINTLHA TSE DI TLHAGISITSWENG	KE MANG KAE	PHETOLO EE NEETSWENG KE SETLHOPHA SA POROJEKE
<p>Magato a tseraganyo le dikgakololo tse di leng mo pegelong ya patlisiso ee dirilweng ke SLR ka tirelo e a tshwanetse a simolotwa.</p> <p>Ngongorego nngwe le nngwe gotswa kwa morateng ka nako ya kago le tirelo ya diporojeke e tshwanelwa ke go sekegelwa ke motho yoo maleba ka bonako jo bo kgonagalang go kgotsofatsa maloko otlhe aa nang le seabe. Lekwalo la dingongorego le tshwanetse la dirwa mme le tshokomelewe le go thagisiwa fa le tlokega.</p> <p>Lefapha la Merero ya Metsi le laetswe go laola tiriso ya metsi, jaaka go tshlositswe mo Karolo 21 ya Molao wa Bosechaba wa Metsi, 1998 (Molao 36 wa 1998). Ka kopo tshokomela gore ga gona motho oo ka dirisang metsi go farologana le ka mo go letleletsweng ka fa tiase ga karolo 40 ya Molao wa Bosechaba wa Metsi, 1998. Gao ka oka dirisa metsi kwa ntle ga tetla ee tlokegang ya tiriso ya metsi go tla tsewa jaaka tlolo molao ya tiriso ya metsi mme otlha bonwa molato le go bona kattholo kgotsa go tshwarwa jaaka go kailwe mom karolo 151 ya Molao wa Bosechaba wa Metsi, 1998.</p> <p>Moepo wa Impala o reboletswa Lekwalo Tetla la Tiriso ya Metsi ka 30 Lwetse 2011 la ditiriso tse di farologaneng tsa metsi. Go elelediwa gore ditiriso tsothhe tsa tlaleletso tsa tiriso ya metsi tse di golaganngwang le ditirelo tse di tshshingwang di tshlosiwe mme di go dirwe dikopo kwa Lefapheng le. Moepo o tshwanetse wa netefatsa gore tshedimisetso</p>	<p>Masepala wa Selegae wa Rustenburg, ditshwaelo mo pegelong ya patlisiso ee amogetsweng ka email ka 2 Ngwanaatsele 2012.</p>	<p>sa kgotlano se akaretsa sesupo sa kamogelo ya BID ga mimogo le sesupo sa kamogelo ya lekwalo la tshosobanyo ya pegelo ya Patlisiso.</p> <p>Dikamego tsothhe tse di kailweng ka nako ya kgato ya patlisiso, magato a tseraganyo ee matshwanedi a akareditswe mo Karolo 19 ya pegelo ya Tshkatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo.</p> <p>Implala ga jaana e simolotse melawana ya dingongorego tsa modumo, mowa, pharakano le thunyo. Ka seno, dingongorego tsothhe gotswa kwa malokong a mangwe di kwadile, le go batlisiswa le matsapa a tseilwe go sekegela mafelo a matshwenyego.</p>
<p>Impala e neetswe Lekwalo tela la Tiriso ya Metsi ka 30 Lwetse 2011. Paakanyo ya WUL gotswa kwa Lefapheng la Merero ya Metsi (DWA) go ya ka Molao wa Bosechaba wa Metsi (NWA) 36 wa 1998 oa tlokega gore go letlelelwe tiriso ya metsi kwa lefelong la koketso ya Shaft 16. Ka seno WULA ene ya romelwa kwa DWA ka 2 Phukwi 2021. Sesupo sa go romelwa se akareditswe mo Mamelolelo A ya pegelo ya Tshkatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo (go abelana ga Tshedimisetso le bathati).</p>		
		<p>Paakanyo ya Kopo ya Lekwalo Tetla la Tiriso ya Metsi le rometswe ka 2 Phukwi 2012. Impala e emetse karabo mabapi le Lekwalo Tetla la Tiriso ya Metsi ya yone gotswa kwa Lefapheng la Merero ya Metsi. Sesupo sa go romelwa ga Lekwalo Tetla la Tiriso ya Metsi e akareditswe mo Mamelolelo A ya pegelo ya Tshkatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo (Kabelano ya tshedimisetso le bathati)</p>

DINTLHA TSE DI TLHAGISITSWENG	KE MANG KAE	PHETOLO EE NEETSWENG KE SETLHOPHA SA POROJEKE
<p>ya setegeniki o akarediwa jaaka tshedimotseto ya tshetseto ya Kopo ya Lekwalo la Tetla ya Tiriso ya Metsi:</p> <ul style="list-style-type: none"> <li>• Maano a tsamaiso a metsi a pula ee maatla le sebopego</li> <li>• Seelo sa ngwaga sa 1:100 sa mola wa morwalela mo mmepong</li> <li>• Dipopego tsa civil tsa madirelo otlhe a polokelo</li> <li>• Pegelo ya boleng jwa metsi aa fa Godimo le aa kwa tlase.</li> </ul>		
<p>Ditlhokego tsothle tsa Kitsiso ya Mimuso ya, 704 "Melawana ya Tiriso ya Metsi mo Ditirelong tsa Moepo tse di lebisitsweng kwa tshireletsong ya Didiriswa tsa metsi" ya 04 Seetebosigo 1999 e tshwanetse ya latelwa ka bottlalo.</p>	<p>Lefapha la Merero ya Metsi, ditshwaelo tsa pegelo ya patlisiso di amogetswe ka email ka 29 Diphallane 2012</p>	<p>Madirelo a tsamaiso ya metsi ya taolo a metsi a morwalela le thibelo ya kgothhelego etla dirwa go re e ikamanye le ditlhokego tsa Molawana 704, 4 Seetebosigo 1999 (Molawana 704) wa tsamaiso ya metsi mo mmepong. Seno se kailwe mo dikatrolong 2, 7 le 19 tsa pegelo ya Tshakatshoko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo.</p>
<p><b>Dintlha tse di mabapi le botegeniki/ porojeke</b> Matlapa a tlaleletso a tswa kae go re gonne le thokego ya koketso ya thothobolo ya masalela a matlapa?</p>	<p>Khalid Patel, kopano ee lebisitsweng le RBA, 31 Phukwi 2012</p>	<p>Koketso ya thothobolo ya masalela a matlapa gae kgweediwe ke tlaleletso ya bokete jwa masalela a matlapa. E kgweediwa ke boitlhommo jwa Impala jwa go lebelela matshwenyego a kgothhelego aa amanang le thothobolo ya ga jaana ya masalela a matlapa. Go latela gore koketso ee tshithingwang e tlhoka kgato e kgolo ka gonne etla bopelwa mo ditloteng tse di sepharanyana.</p>
<p><b>Dintlha tsa tiriso ya lefatshe</b> Gatwe eng ka ditirelo tsa temothuo tse di leng teng kwa lefelong la koleitso ya thothobolo ya masalela a mathapa ya Shaft 16?</p>	<p>Reotshepile Tihapane, kopano lebisitsweng le RBA, 31 Phukwi 2012 ee</p>	<p>Lefelo lele tshithingwang la koketso ya thothobolo ya masalela a matlapa la shaft 16 ga jaana le lolea, ke sekgwa se sesa tshwenngwang le remo ya sonobolomo mo lefatsheng lele omeletseng. RBA le Impala batla golagana le molemi yoo maleba mabapi le tuelo ya tathhegelo ya lefatshe. Tuelo e kanna ka mokgwa wa madi a tathhegelo ya thobo kgotsa go batla le go baakangwa ga lefatshe le leng la go jala. Seno se ikaegile mo nakong ya porojeke ee tshithingwang mme eka laolwa gore eseke ya baka tathhegelo epe ka nako ya thobo. Seno se</p>

DINTLHA TSE DI TLHAGISITSWENG	KE MANG KAE	PHETOLO EE NEETSWENG KE SETLHOPHA SA POROJEKE
<p>A gona le nthla nngwe ya lefatshe e Impala ee naganang gore eka neelana ka lone jaaka phumola keledi kwa baleming ba amilweng ke lefelo la koketso ya thothobolo ya masalela a matlapa ya Shaft 16?</p>	<p>Itumeleng Hume, kopano ee lebisitsweng le RBA, 31 Phukwi 2012</p>	<p>tihalositse ka botlalo mo Karolo 7 le Karolo 19 ya pegelo ya Tshakatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo.</p> <p>Mo lefatshe le temo le sa lathegeng ke moepo, balemi ba ba amegileng batla nwa lefatshe le lengwe ka mokgwa wa dipuisano le Botsamaisi jwa Royal Bafokeng (RBA) mme fa seno se sa atlege tuelo nngwe e tla neelwa. Seno se kailwe ka botlalo mo Dikarolong 7 le 19 tsa pegelo ya Tshakatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo.</p>
<p>Impala e tshwaneise ya re thusa go reka lefatshe le lengwe. RBA emo tseleg ya go reka diheketara dile 50000 mme e tihoka madi a mangwe.</p> <p>Gongwe tumalano le Impala eka tokafadiwa. Lefatshe la rona la temothuo lena le mebu ya black-turfs ee nonofileng le metsi aa kwa tiase ga lefatshe aa dirisetwang go nosa dikgomo a lebanwe ke kgothelego.</p> <p>Fela fa reka dueliwa ka lefatshe le le nang le tihaga le metsi aa siameng, balemi ba rona ba ka fuduga ka pelo e tshweu. RBA etla letla Impala go dirisa lefatshe leno kwantle ga kgoreletso.</p>	<p>Advocate Kenneth Mokate, kopano ee lebisitsweng le RBA, 31 Phukwi 2012</p>	<p>Ka gongwe seno se tla tihoka go sekegelwa mo tumalanong ya ga jaana ya phiro. Leano leno letla fetisetwa kwa lefapheng la semolao la Impala.</p> <p>Seno ke sengwe se se tla buisanelwang kwa kopanong ee latelang ya Impala-RBN.</p>
<p><b>Dintlha tsa metsi aa fa godimo ga lefatshe</b></p> <p>O kailwe metsi aa fa godimo jaaka karolo ya thaloso ya tikolog. Tamo ee kwa Kanana e setse e kgothelegile mme seno se ama dikgomo. Seno ke nthla ee setse e tihagisitse mo nakong ee fetileng. Jaaka Impala lea go dira eng?</p>	<p>Victoria Makhaula (Ward 23), kopano ee lebisitsweng le Future Forum, 17 Phatwe 2012</p>	<p>Tlhokomelo ya metsi aa fa godimo le taolo ya kgothelego kwa Thothobolong ya Masalela a Matlapa kwa Shaft 16 etla dirwa go ya ka Karolo 12 le jaaka go kailwe mo maikaelelong a Lenaneo la Tsamaiso ya Tikologo ya Impalal mo Karolo 19 ya pegelo ya Tshakatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo.</p>
<p>Go ya ka karolo 144 ya Molao wa Bosechaba wa Metsi, Molao 36 wa 1998 go tshokega gore mola wa 1:100 wa morwalela wa ngwaga o gogelwe morago mo maanong a thabololo. Ga go rotloedwe thabololo mo gare ga mola wa 1:100 wa morwalela wa ngwaga.</p>	<p>Lefapha la Merero ya Metsi, ditshwaelo tsa pegelo ya patlisiso di amogetswe ka email ka 29 Diphilane 2012</p>	<p>Mola wa ngwaga ya morwalela wa 1:100 o kailwe mo godimo ga popegotheo ya koketso ya porojeke ya Thothobolo ya Masalela a Matlapa ya Shaft 16 le porojeke ya Pit8C ka bobedi. Ditshwantshiso tseno di akareditse mo pegeleng ya Tshakatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo.</p>

DINTLHA TSE DI TLHAGISITSWENG	KE MANG KAE	PHETOLO EE NEETSWENG KE SETLHOPHA SA POROJEKE
<p>Dintlha tsa metsi aa kwa tlase ga lefatshe</p> <p>Kgotlhelego ya metsi aa kwa tlase ga lefatshe (ka ntlha ya nitrates) ea oketsega tse lengwe le lengwe. Dingwa dille lesome gotswa jaanong metsi a rona atlabale ale bolthole thata kwa bathong ba rona le leruo.</p>	<p>Advocate Kenneth Mokate, kopano ee lebisitsweng le RBA, 31 Phukwi 2012</p>	<p>Fa seno ele lebaka, go bothokwa go lebelela gore makgetho ale mantsi gona le ditharabololo tsa setegeniki tsa go phekola metsi, yone e akaretsa ditharabololo jaaka pompo le mokgwa wa phekolo. Impala e tlhokometse le go bopa metsi aa kwa tlase ga lefatshe aa mo gare ga lefelo la tiriso lele fa godimo go akaretsa magato a tsereganyo aa tlhomieng kwa pele fa go tlokega.</p>
<p>Ao ka tlhalosa ka botlalo semelo le ketegelo ya kgotlhelego/bolthole jwa metsi aa kwa tlase ga lefatshe aa bakileng tlokego ya koketso ya Thothobolo ya Masalela a Matlapa? go feta moo ao ka nneela pegelo ya tlhokomelo ya metsi aa kwa tlase ga lefatshe, thata jang pegelo ee kopantsweng, ee kayang seelo se se fetilweng le mokwa wa tswaelo jalo le jalo.</p>	<p>Khalid Patel, EIMS, tshwelo ka email ka 2 Phatwe 2012</p>	<p>Thothobolo ya Masalela a Matlapa (WRD) ya ga jaana kwa No 16 shaft e agilwe jaaka go letleletswe mo Lenaneeng la Tsamaiso ya Tikologo. Mme fela, tlhokomelo ya metsi aa kwa tlase ga lefatshe lwa Thothobolong ya Masalela a Matlapa e bontsha go nnile le tshwaetso nngwe ee tswang kwa Thothobolong ya Masalela a Matlapa, bogolo jang go lebeleletswe dinitrates le chlorides. Seelo sese kwa godimo sa tshwaetsego se bonwe ka bonako kwa seelong sa molapo wa Thothobolo ya Masalela a Matlapa. Kwa bokgakaleng jwa dimetara di kanna lekgolo ele mo selekanyong sa 160mg/l ya dinitrates le 2800mg/l ya chlorides. Boleng jwa metsi mo Sedibeng se se epilweng kwa bothaba jwa mosima, mo gare ga mosima le motse wa Kanana ga go bontshe tshwaetsego, ya seele sa nitrate le chloride ya 4.6mg/l le 235mg/l ka go lekana.</p> <p>Thothobolo ya Masalela a Matlapa (WRD) ya ga jaana e agilwe go ya ka melawana ya Impala Platinum – Rustenburg Operations (Impala). Mokgwa wa kago ya Thothobolo ya Masalela a Matlapa e akareditse go ngotliwa ga letsopa la in-situ, mme kgato yotlhe ya lefela ene e baakantswe kwa tshimologong ya tlhabololo ya Thothobolo ya Masalela a Matlapa. Ka gone bongola ga boa kgona go fokodiwa mo letsopeng le le ngotliweng, letsopa le ne la phatlhoga mme go akangwa gore seno ke sone lebaka legolo la tshwaetso ya metsi aa kwa tlase ga lefatshe kwa lefelong la mosima wa 16 wa Thothobolo ya Masalela a Matlapa (WRD)</p> <p>Ka matsapa a go thibela le go fokotsa kgotlhelego mo Dithothobolong tsa Masalela a Matlapa mo isagong, Impala, ka thuso ya bagakolodi ba baitsenanape (SLR) ba tlhodile mokwa wa</p>

DINTLHA TSE DI TLHAGISITSWENG	KE MANG KAE	PHEOLO EE NEETSWENG KE SETLHOPHA SA POROJEKE
Gona le kgonagalo ya go dutla ga metsi aa kwa tlase ga lefatshe go tswa kwa Thothobolong ya Masalela a Matlapa, eek a nna le seelo se se kwa godimo sa chromium le dimenerale tse dingwe, ka moo tlhokomelo ee tswelitseng ya metsi e tshwanetse ya	Masepala wa Selegae wa Rustenburg, ditshwaelo mo pegeleng ya patlisiso ee amogetsweeng ka email ka 2 Ngwanaatsele 2012.	<p>sebopego se sesha se se akaretsang go kopanngwa ga letsopa (ka go kokoanya mmu waa dikhuti) le tswelitsiso ya tsosoloso. Phetogo e kgolo e mo popegong ya setheo e tlhoka gore kgato ya Thothobolo ya Masalela a Matlapa e tlhabololwe go ya pele ka go tshololelwa sekai, lefelo le le ka dirisetwang thothobolo etla siamiswa mo ngwageng ole mongwe ka nako, mme legodimo la masalela a matlapa letla dirisetwa go jaaka setswalo go thibela letsopa gore le seke la omelela le go phatlhoga. Phetogo e nngwe e kgolo ke gore diithota tse di mo thoko ga Thothobolo ya Masalela a Matlapa ditla tsosoloswa ka go latelana le ditirelo tsa Thothobolo ya Masalela a Matlapa, mme seno setla fokotsa kgogolego mo Thothobolong ya Masalela a Matlapa.</p> <p>Go solofetswe fa tlhabololo ya popego le diphetogo tsa ditirelo ditla nna le seabe se se golo mo go thibeleng le go fokotsa kgothelego ya metsi aa kwa tlase ga lefatshe mo Thothobolo ya Masalela a Matlapa. Mme fela, go tshwanetse ga tlhokomelwa gore tsosoloso ee tswelidiwang e atlege, diithota tse di fa thoko ga Thothobolo ya Masalela a Matlapa di tshwanetswe tsa robatswa that aka nako ya kgato ya tirelo. Seno ke phetogo e kgolo goiswa kwa mekgweng ya kgale ya thothobolo ka tebo ya boteng kgotsa bogodimo jwa thota, mme fela go katiwa mathakore kwa bokhutlhong jwa kgato ya tirelo ka nako ya tsosoloso ya lefelo. Mathakore aa sephara a Thothobolo ya Masalela a Matlapa atla tlhoka kgato e kgolo thata.</p> <p>Popego ya porojeke ee malebana le Thothobolo ya Masalela a Matlapa e akareditswe mo Maimetelelo H ya pegelo ya Tshekatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo.</p>
		<p>Lenaneo la tlhokomelo ya metsi aa kwa tlase ga lefatshe e buisanetswe mo Karolo 21 mme e thagitswe mo Setshwantsho 18 ya pegelo ya Tshekatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo.</p>

DINTLHA TSE DI TLHAGISITSWENG	KE MANG KAE	PHETOLO EE NEETSWENG KE SETLHOPHA SA POROJEKE
<p>dirwa mo Thothobolong ya Masalela a Matlapa ee tshitshingwang ga jaana.</p> <p><b>Dintlha tsa tihabololo</b></p>		
<p>O itse jang gore tlhokomelo ya mosimo oo athameng e tla atlega?</p>	<p>Khalid Patel, kopano ee lebisitsweng le RBA, 31 Phukwi 2012</p>	<p>Setlhopha sa porojeke se tshepa gore tlhokomelo etla atlega. Impala ena le dingwaga di le lesome tsa tlhokomelo ee atlegileng mme etla tswela go dira jala go ya ka maikaelelo ya Lenaneo la Tsamaiso ya Tikologo. Maikaelelo a tlhokomelo ya mosima a akareditswe mo Karolo 19 ya pegelo ya Tshekatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo.</p>
<p>Impala e tshwanetse ya tlhokomela mmu oo fa godimo wa tlhokomelo ele ee tswelletseng le moepo kgoisa ya kwa morago.</p>	<p>Lefapha la Temothu, Dikwa le Go Tshwara ditlhapi, ditshwaelo tsa pegelo ya patlisiso di amogetswe ka email ka 9 Diphallane 2012</p>	<p>Poloko, go bewa, tlhokomelo le go busediwa gam mmu oo fa godimo go tla dirwa go ya ka melawana ya taolo yam mmu. Maikano a taolo ya mmu a akareditswe mo Karolo 19 ya pegelo ya Tshekatsheko ya Kamego ya Tikolog/ Lenaneo la Tsamaiso ya Tikologo.</p>
<p>Mmu oo fa godimo le oo bolokilweng oka fetola seemo sa one ka mokgwa oo bellweng ka teng, seno de ka kgona gore se fetole seemo sa nonofo yam mu le dipholo tsa go lathegelwa ke kungo, mme ka moo taolo ee siameng ya mmu oo fa godimo e tshwanetse ya netefadiwa.</p>	<p>Masepala wa Selegae wa Rustenburg, ditshwaelo mo pegelong ya patlisiso ee amogetswe ka email ka 2 Ngwanaatsele 2012.</p>	
<p><b>Dintlha tsa thunyo</b></p> <p>Impala e dirang ka dintlha tsa thunyo tse di tlhagisitsweng ka nako ee fetleng?</p>	<p>Victoria Makhaula (Ward 23), kopano ee lebisitsweng le Future Forum, 17 Phukwi 2012</p>	<p>Impala e laola dintlha tsa thunyo go ya ka tsamaiso ya maikano a thunyo, go laola le go tsereganya jaaka go kailwe mo Karolo 19 ya pegelo ya Tshekatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo.</p>
<p>Magato a tsereganyo a tshwanetse a dirwa go fokotsa kotsi ya pholo le kotsi kwa metseng ee mabapi (jaaka matlapa aa fofang le thoromo)</p>	<p>Masepala wa Selegae wa Rustenburg, ditshwaelo mo pegelong ya patlisiso ee amogetswe ka email ka 2 Ngwanaatsele 2012.</p>	<p>Go ya ka tlhokomelo ya tiragatso ya tshekatsheko ya Lenaneo la Tsamaiso ya Tikologo ya thunyo nngwe le nngwe (Karolo 21 ya pegelo ya Tshekatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo), tlhokomelo ya thunyo nngwe le nngwe etla nna teng sebaka sa ditirelo tsa thunyo. Dintlha tsa thoromo ee kwa ntle ga tefelo le tlhokomelo ya thunyo ya mowa ditla kaiwa ka kgolagano le bang ba lefatshe le le mabapi le sepehelisite sa tlhokomelo ya thunyo. Diphoto tsa tlhokomelo ditla kwala lego tlhokomeiwa sentle di beetswe mabaka a ditlhatlhubo tsa makwalo. Dintlha tsa taolo tsa setegeniki tsa thunyo di ka bonwa mo Tafole 61 ya Karolo 19 ya pegelo ya Tshekatsheko ya Kamego ya Tikolog/ Lenaneo la Tsamaiso ya</p>

DINTLHA TSE DI TLHAGISITSWENG	KE MANG KAE	PHETOLO EE NEETSWENG KE SETLHOPHA SA POROJEKE
<p><b>Dintlha tsa boswa</b></p> <p>Gona le mabitha mo Shaft 16. A a ageletswe? Gotla dirwang ka one fa go okelediwa Shaft 16?</p> <p>Go ya ka tshedimosetso ee neetsweng mo tshabolong eno ya SAHRA, ga se ka gale gore dikamego tse di bothokwa mo didirisweng tsa boswa dika tswa mo kagong ya kokeko ya thothobolo ya masalela a matlapa ee tshithshingwang le porojeke ya Pit 8C ka fa lefelo leno le setse le amegile thata. Ka ga jalo, Lephata la SAHRA Archaeology, Palaeontology &amp; Meteorites (APM) ga lena kganetso kwa tshabolong ee tshithshingwang ka tumalano ya gore fa gona le bosupi jwa mafelo a akheoloji kgotsa masalela (sekai, ditheo tsa masalela a matlapa tse di rilweng, indigenous ceramics, marapo, stone artefacts, dikgapetla tsa mae a ntshwe, marine shell le magala/molora wa leiso), mabitha aa sa tshwaiwang, marapo a diphologolo le mefuta e mengwe ya didiriswa tsa boswa di bonwa ka nako ya ditirelo tsa moepo, Lephata la SAHRA APM (Katie Smuts/Colette Scheermeyer 021 462 4502) le tshwanelwa ke go itsesiwe ka gangwe, le moitseanape wa akheoloji o tshwanetse a bolelelwa ka bonako jo bo kgonagalang gore a tshathobe diphithhelelo tse. Fa didiriswa tse di bonweng sesheng tsa boswa dika tswa di nale le bothokwa bongwe jwa akheoloji kgotsa palaentoloji Kgato 2 ya phaloso eka tshokega.</p> <p><b>Dintlha tsa kgothelago ya mabitha</b></p>	<p>Victoria Makhaula (Ward 23), kopano ee lebisitsweng le Future Forum, 17 Phatwe 2012</p> <p>SAHRA, ditshwaelo tsa pegelo ya patlisiso tse di amogetswe tsa email ka 17 Phatwe, 2012</p>	<p>Tikologo.</p> <p>Kokeiso e lebane fela le thothobolo ya masalela a matlapa kwa Shaft 16.</p> <p>Ga gona didiriswa tsa boswa, setso le palaentoloji tse di kailweng mo gare ga mafelo a kokeiso ee tshithshingwang ya Thothobolo ya Masalela a Matlapa ya Pit8C kgotsa Shaft 16. Go sa lebeletswe fa godimo, diphithhelelo tsa lesego kwa mafelo a porojeke ee tshithshingwang ditla tlhoka teta go tswa kwa South African Heritage Resource Agency (SAHRA) fa mafelo ano aka fetolwa. Fa go ka nna le diphithhelelo dingwe tsa lesego tsa boswa le/kgotsa mafelo a setso, Impala etla latela mokgwa wa phetolo oo akareditsweng mo Karolo 20 wa pegelo ya Tshhekatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo. Seno se akaretse kitisiso ya potlako kwa SAHRA.</p>
<p>Lerolo le le tshodwang ke ditiro tsa konteraka di tshwanelwa ke go laolwa ka go kgatshiwa</p>	<p>Masepala wa Selegae wa Rustenburg, ditshwaelo mo pegelong ya patlisiso ee</p>	<p>Go ya ka maikano aa mo Karolo 19 ya pegelo ya Tshhekatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo, ka</p>

DINTLHA TSE DI TLHAGISITSWENG	KE MANG KAE	PHETOLO EE NEETSWENG KE SETLHOPHA SA POROJEKE
<p>ka metsi le/kgotsa mekgwa mengwe ya go fokotsa lerole.</p>	<p>amogetsweng ka email ka 2 Ngwanaatsele 2012.</p>	<p>nako yak ago, dikgato tsa go ntshiwa le go dira, go latela magato aa rileng a tsereganyo atla direlwa metswedi ya ntshetso ntle; ditsela, thunyo, go epiwa, go tshwarwa ga didiriswa, dikoloi le kgogolego ya phefo:</p> <ul style="list-style-type: none"> <li>• go fokotsa go tshwenngwa ga lafetsha go ya ja fa fo tihokegang fela le go ka sebopego sa popegotheo ya ga jaana ya moepo;</li> <li>• Impala etla dira phokotso ya lerole mo ditseleng tsa mmu ga mokgwa wa dikhemikhale tse di tshwarang le/kgotsa didiriswa tsa go kgatsha metsi di kopane le dikoloi tsa go laola lobelo;</li> <li>• taolo ya lerole kwa mafelong a go tshwara etla dirwa ka mokgwa wa didiriswa tsa go kgatsha metsi;</li> <li>• ntshafatso le go jalwa gape go tla emiswiwa mo mafelong otlhe;</li> <li>• fa ise go dirwe gape, jala mo thoko ga dithota tse di leng teng tsa leruri tsa Thothobolo ya Masalela a Matlapa mme o netefatse tsewelelo ya tsosoloso ya katoloso ya leruri ya Thothobolo ya Masalela a Matlapa; le</li> <li>• go tihokomelwa ga dikoloi tsothe gore go nne le kelo ee kwa tiase ya ntshetso ntle ya mosi wa dikoloi.</li> </ul>
<p><b>Dintlha tsa masalela</b>  Go tla tsewa tsele ee kopanetsweng ya tsamaiso ya masalela ee lebisitsweng mo mekgweng ee siameng ee akaretsang phokotso, go dirwa sasha, go dirisiwa gape le go lathwa e tshwanetse ya dirisiwa.  Go kailwa fa tiase ga 3.1.4 mo pegelong ya patlisiso gore dintlwana boithusetso tse di nnye ditla nna teng kwa lefelo la porojeke ee tshishingwang ya Pit8C mme go ntshiwa swerisi ka gale gotswa mo dintwaneng tse go ya kwa polanteng ee feng gone ya tirelo ya swerisi. Ka foo o kopiwa go neela Lefapha le ka sesupo sa gore ditirelo tsa diswerisi tseno di letleletswe le gore gona le selekanyo se se</p>	<p>Masepala wa Selegae wa Rustenburg, ditshwaelo mo pegelong ya patlisiso ee amogetsweng ka email ka 2 Ngwanaatsele 2012.</p>	<p>Tsamaiso ya masalela etla dirwa jaaka go kailwe mo Karolo 2 ke Karolo 19 ya pegelo ya Tshakatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo.</p> <p>Lekwalo la tetla la ditirelo le akareditswe mo Mameleleo A (Kabelano ya tshedimosetso le bathati) ya pegelo ya Tshakatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo. Dipolane tse tharo tsa swerisi tse di leng teng ga jaana e dirisiwa ke badiri ba lekanyediwa go 20 000. Go lebeleletse fa gosena badiri ba tlaleletso ba batla thapelwang porojeke ya Pit8C le badiri ba le 10-20 fela ba tlaleletso ba batla tihokegang kwa koketsong ya porojeke ya Thothobolo ya Masalela a Matlapa ya Shaft 16 (seno e tla nna ka kgato ya kago fela), go</p>



DINTLHA TSE DI TLHAGISITSWENG	KE MANG KAE	PHETOLO EE NEETSWENG KE SETLHOPHA SA POROJEKE
siameng go akaretsa kokeiso ya porojeke.		solofetswe gore ditirelo tsa ga jaana tsa swerisi di tla lekana porojeke ee tshitshinngwang.
Metsi a leswe ga a tshwanelwa le ka motlha ope go letlelelwa go tsena ka swerisi.		Go ya ka maikano aa mo Karolo 19 a pegelo ya Tshekatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo, tsamaiso ya didirswa tsa metsi ya taolo ya metsi aa leswe le go thibela kgotlhelelo e tla dirwa gore e fitihelle ditlhokego tsa Molawana 704, 4 Seetebosigo 1999 (Molawana 704) wa taolo ya metsi mo moepoong.
Masalela othe jaaka masalela a selegae le dijalo tse di thagotsweng di tshwanetse ke go kgetholo tsa gotsa mo masaleleng aa bolthole jaaka lookwane, ditlolo le makapa a dithunyi mme a latlhelwe kwa dithothobolong tse dileng kafa molaong tse di nang le makwalo a tetla.		Masalela othe le aa bolthole atla kokoanngwa le go ntshiwa mo mafelong aa tshitshintsweng a porojeke le go rwalelwa kwa madirelong a taolo ya masalela ya ga jaana ya Impala kwa atla bewang nakwana pele gago diriswa gape, dirwa gape, kgotsa go latlwa go ya ka mekgwa ee dumeletsweng. Impala e tla tswelela go dira melao wa tsamaiso ya go tsholwa le go latlwa ga didirswa tse di bolthole le tse di seng bolthole.
Fa go kanna le tiragalo kgotsa kgonagalo ya tiragalo ee ka amang didirswa tsa metsi, kantoro eneo e tshwanetse go itsesiwa ka bonako		Ditiragalo tsa tshologelo ee tona ditla tshwarwa go ya ka melawana ya tsibogo ya potlako ya Impala ee tlhagisitswen gmo Karolo 20 ya pegelo ya Tshekatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo,
<p><b>Dintlha tsa Leruo-chofomi</b></p> <p>Ka fa goka kgonang ka teng, ditshono tsa ditiro di tshwanetse tsa newa batho ba selegae ba banang le bokgoni, seka-bokgoni le ba ba senang bokgoni jwa go dira ka nako ya kgato ya go aga le godira go gwetlha ekonomi ya selegae le ya kgaolo go ya ka Social Labour Plan.</p>	Masepala wa Selegae wa Rustenburg, ditshwaelo mo pegelong ya patlisiso ee amogetsweng ka email ka 2 Ngwanaatsele 2012.	Go ya ka koketso ya WRD, leano ke go akaretsa batho gotsa kwa morafeng wa selegae le kwa kgakala. Seno sena le kgonagalo ya go oketsa ditiro le go thola ditshono tse di kailweng mo Karolo 2, Karolo 7 ya Mametelelo F ya pegelo ya Tshekatsheko ya Kamego ya Tikologo/ Lenaneo la Tsamaiso ya Tikologo.