



WESIZWE PLATINUM LIMITED
PRE-APPLICATION MEETING WITH THE DEPARTMENT OF MINERAL RESOURCES
ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE,
LEDIG, NORTH WEST PROVINCE

DATE:	06 July 2015; 13:50
VENUE:	DMR offices, Klerksdorp
PROJECT:	Environmental Applications for Changes to Infrastructure at Bakubung Platinum Mine, Ledig, North West Province
SLR COMPANY:	SLR Consulting (Africa) (Pty) Ltd
PROJECT NUMBER:	710.23001.00007
PURPOSE:	The purpose of the meeting was to discuss the proposed changes to the Bakubung Platinum Mine and the proposed public participation and application processes.
ATTENDANCE:	An attendance register is presented in Appendix 1.

1. OPENING

- Lorraine Nobela (NB) and Tshilidzi Phalala (TP) of the Department of Mineral Resources (DMR) welcomed SLR Consulting (Africa) (Pty) Ltd (SLR) and Wesizwe Platinum Limited (Wesizwe).
- Shelley Seton-Rogers (SRR) of SLR indicated that the purpose of the meeting was to discuss the background of the project and confirm that the DMR are happy with Wesizwe and SLR's proposed way forward.

2. DISCUSSION SUMMARY

- TP asked for background on the project.
- SSR explained that the Bakubung Mine has an Environmental Authorisation (EA) and now want to amend the EA and to add new listed activities.
- Cathy Theron (CT) of Wesizwe explained that National Environmental Management Act (NEMA) and Mineral and Petroleum Resources Development Act (MPRDA) processes were done in 2008. A Water Use Licence (WUL) was received in 2010. CT indicated that shaft sinking has been done and the project is now in the development phase but Wesizwe has not yet started mining.
- CT explained that the plan is to increase capacity to 265 kilotons, which in turn will impact on ore stockpiles, tailings and waste rock facility sizes.
- PT asked if an amendment is being proposed.
- CT indicated it is an amendment to some of the existing facilities and the proposal of new facilities and activities.
- SSR indicated that the site is near Sun City and showed the DMR a locality map.
- SSR explained that waste rock is planned to be used and thus this waste rock needs to be included in Wesizwe's mining right (MR).

- The preliminary background information document (BID) was discussed and the various changes included among others:
 - Implementing erosion control measures
 - Having more shaft ventilators
 - Having more generators
 - Water pipelines to housing
 - Sewage pipelines from housing
 - Pipeline crossings over watercourses
 - Relocating an underground ore crusher to aboveground
- The preliminary BID will be updated following the discussion; the final BID would be distributed to the public and authorities including the DMR with all the applicable information.
- LN indicated that these changes to the EA require a scoping and EIA process and will need to be approved under NEMA by the DMR. To change the MR it will be necessary to get an EA in terms of Section 25 of the MPRDA if the footprint is changing.
- CT explained that the capacity of the plant would be increasing but the footprint would remain the same.
- TP indicated the Mine Works Programme (MWP) will need to be updated. CT indicated that this was done in 2014.
- SSR indicated that the relocation of the crusher is not a listed activity.
- LN indicated that the impacts would be changing.
- CT indicated that there would be noise and air quality impacts but the crusher would be in an area that was already designated for the plant.
- SSR indicated that the Environmental Impact Assessment (EIA) would look at the impacts but did not know if there would be a listed activity associated with it.
- SSR discussed the various activities that may need to be applied for. SSR indicated that it would need to be seen if increases in the stockpile footprints would trigger an activity.
- SSR indicated that a Waste Management Licence (WML) would be needed for the tailings and waste rock stockpiles and the salvage yard.
- LN indicated that the National Water Act is listed under NEMA and will need to be considered.
- CT explained that Wesizwe would also need to check if the dangerous goods are increasing from what was originally authorised.
- LN asked that the original EA be attached to the application to the DMR.
- TP asked what the additional material is that Wesizwe want included in the MR. CT indicated it is aggregate. TP said this must be specified in the application, the DMR would then need to confirm if the mining right for this mineral is available in that area.
- CT explained that it may be needed to expand the housing but it is still being decided where this would be done.
- TP indicated that the DMR is only the competent authority for activities within the MR area. Anything outside the boundary is to be submitted to the North West Rural, Environment and Agriculture Development (READ). CT indicated that the existing EA is from READ.

- CT explained that the pipeline would cross over an area that is not in the MR. However, this area will be registered as a servitude. PT confirmed that the whole pipeline then will need be authorised by the DMR and not READ.
- SSR indicated that as part of the application, SLR and Wesizwe would try to be as inclusive as possible for all the activities, so as not to leave any activities out.
- SSR indicated that a Section 102 application needs to be made. LN indicated that the Section 102 and NEMA applications are separate applications.
- TP indicated that the use of the waste rock would need to form part of the Section 102. The DMR may ask Wesizwe to update their MWP before the amended MR is issued.
- SSR explained that the Water Use Licence (WUL) would also need to be amended, however this cannot be submitted now as it runs concurrent with the EIA process. A notice of intent can be submitted to the Department of Water and Sanitation (DW&S). SSR asked if the DMR would find this sufficient for the NEMA application – as the DMR wants proof of submission of the WUL being included in the NEMA application. LN confirmed that this would be adequate and if further information is needed the DMR would notify SLR and Wesizwe as such.
- CT asked if the DMR is happy to receive the draft reports when they are submitted to the public for public review (as previously the DMR only wanted final reports).
- TP confirmed this would be fine and that 1 copy could be sent.
- SSR said that it would be made clear on the report that it was a draft.
- SSR explained that open days are being planned for this project and wanted to confirm if the DMR would be satisfied with this. There would be 2 open days, one in each community near the site. Open days will provide more time for people to attend. For authority meetings, it will be confirmed per authority if they prefer site visits or meetings at their offices.
- SSR indicated that the adverts, BID and summaries of the reports would be translated into Tswana. There will also be a Tswana translator present at the open day.
- LN confirmed this is acceptable and specified that all records would need to be kept – meeting minutes, registers, adverts, proof of distribution, etc.
- TP indicated that the process proposed is fine and that it needs to all be integrated in one public participation process – the WML, NEMA, WUL, Section 102.
- LN asked if more water will be required if there is an increase in plant capacity.
- CT answered that in the original application 8 mega liters were requested from Magalieswater. The plan is to recirculate water from the tailings storage facility and the sewage treatment plant instead of disposing water to the Elands River, therefore additional water should not be needed.
- LN asked if the mining is underground. CT confirmed that it is 800m underground.
- PT indicated that previously the WML application had to be submitted manually - PT will need to confirm with supervisors on the current process. PT indicated an answer would be provided the following day.
- LN asked who the landowner is. CT answered that the plant area is owned by the Bakubung Tribal Authority. The TSF area is owned by Wesizwe. LN indicated that Bakubung would need to be consulted separately as the landowner.

3. THE WAY FORWARD

- The DMR is to confirm the WML submission and payment process.
- The DMR is to confirm that that the minutes provided in this document are true and correct.
- These minutes will be included in the application submitted to the DMR.

4. CLOSE

Meeting closed at 14:55.





APPENDIX 1: ATTENDANCE REGISTER

Name	Acronym	Affiliation	Contact Number	Email
Chiara Kotze	CK	SLR	0732777228	ckotze@slrconsulting.com
Shelley Seton-Rogers	SSR	SLR	0725339636	sholt@slrconsulting.com
Cathy Theron	CT	Wesizwe	0828522976	cathytheron@telkomsa.net
Lorraine Nobela	LN	DMR	018 487 4300	Lorraine.Nobela@dmr.gov.za
Tshilidzi Phalala	TP	DMR	0184874300	Tshilidzi.Phalala@dmr.gov.za

CHANGES TO BAKUBUNG PLATINUM MINE

Attendance Register for Meeting with DMR – DMR offices, Klerksdorp

6 July 2015 at 13h30

Name and Surname	Affiliation	Email	Cell Number / Office number	Signature
Lorraine Nsoela	DMR	Lorraine.Nsoela@dmr.gov.za	018 487 4300	
Tshiledi phabela	DMR	tshiledi.phabela@dmr.gov.za	018 487 4300	
Catly Theran	wesiwu	Catlytheran@telkomsa.net	08285 22926	CT
Chiara Kotze	SLR	chotze@slrconsulting.com	0732777228	
S. Sekon-Rogers	SLR	sholt@slrconsulting.com	0725339636	



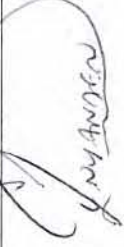




Bakubung Minerals Meeting with the Department of Water and Sanitation

Date: 12 May 2015

Time: 10:00

Venue: Bakubung Platinum Mine – Regional Office

Name and Surname	Organisation and Email and Phone Number	Designation	Signature
NTSHANGASE SEBENZILE	DEPT OF WATER & SANITATION	ENVIRONMENTAL SPECIALIST	
Phillip Tjale	Dept. Water & Sanitation	Environmental Officer	
LUNGULO NYANDENI	WESIZWE PLATINUM lungulo.nyandeni@wesizwe.com	PLANT MANAGER	
Eddy de Beer	WESIZWE. INFRASTRUCTURE	INFRASTRUCTURE	
Cathy Therar	wesizwe	Environmental Manager	



ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

Attendance Register for Authorities Meeting – Wesizwe Information Centre (Community Centre), Ledig 13 August 2015

Name and Surname	Company/ Affiliation	Email	Tel. / Cell Number	Postal Address	Signature
Chiara Kotze	SLR	ckotze@slrconsulting.com	0732977 (011) 467-51 228	P.O. Box 112 Ferndale, 2160	
Cathy Theron	Wesizwe	cathytheron@telkomsa.net	082 552 9280	P.O. Box 6388 Glenash Mills Kendallfontein (1759)	
Edgar Bruce	W.P.	edgar.bruce@waterpass.com		"	
A. Lubse-Luyre	W.P.	al.lubse@waterpass.com	07998697	"	
CHOMBO			078 019 0694 072 805 7520	P.O. BOX 74120 LEDIG 0338	
MONNAREOTJA	MKLM	emonnareotja@gmail.com			
BISHOP			077 2900035		
MOTHIBENI	MKLM	B. MOTHIBENI	0631431410		
LUNDELO	Wesizwe Platinum	lunde.lo.ngardeni@ wesizwe.com	082 495 8289	176 Goby Street, Ezerant Veld Waterum East, Rustenburg	
DIPSY	PLM	DIPSY@luciferlucy.gov.za	0116933453	Box 336 Protekny 0335	
NOKUJAKA MMEMEZI	PLM	mmemezi@rustenburg.gov.za	082 704960	"	
ANDISON STEWART	GES	andiswas@ges.co.za	084 409 7090	P.O. Box 383 Stuivendurumey	

ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

Attendance Register for Authorities Meeting – Wesizwe Information Centre (Community Centre), Ledig 13 August 2015

Name and Surname	Company/ Affiliation	Email	Tel. / Cell Number	Postal Address	Signature
Tantiso Pudea	GSES	tantiso@ges.co.za	011 000 6700 073 321 5157	P.O. Box 383 Shubensvalley 1735	
Mosekontsi Rantsung	SLR	mrantsung@slrconsulting.com	085 764 2594		



BAKUBUNG PLATINUM MINE (PTY) LTD

**MINUTES OF THE SCOPING REGULATORY AUTHORITIES MEETING HELD FOR CHANGES TO
INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE**

DATE	13 February 2015 10:40,
VENUE:	Wesizwe Community Centre on the R556, Ledig, North West Province
PROJECT:	Environmental Application For Changes To Infrastructure At Bakubung Platinum Mine (Wesizwe Project)
SLR COMPANY:	SLR Consulting (Africa) (Pty) Ltd
PROJECT NUMBER:	710.23001.00007
PURPOSE:	The purpose of the meeting was to: <ul style="list-style-type: none"> • Provide an overview of the proposed project . • Provide information on the legal process. • Provide authorities the opportunity to visit the proposed project site. • Provide authorities with an opportunity to comment or raise concerns. • Consultation with authorities and potentially interested and affected parties is required by environmental legislation.
ATTENDANCE:	An attendance register is presented in Appendix 1.

1. OPEN AND INTRODUCTION

Chiara Kotze (CK) opened the meeting and introduced SLR Consulting (Africa) (Pty) Ltd (SLR), the independent environmental assessment practitioners responsible for the project. CK then introduced Wesizwe Platinum Limited (the applicant), represented by Cathy Theron and Gemini GIS and Environmental Services (GGES) responsible for the Water Use Licence Application represented by Tankiso Phidza. CK then gave an opportunity for all the attendees to introduce themselves

2. PRESENTATIONS

CK gave a presentation outlining the project description and the environmental legal process to be followed. A copy of the presentation is attached in Appendix 2. The meeting was followed by a site visit.

3. DISCUSSION

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

TABLE 1: RECORD OF ISSUES RAISED AND RESPONSES GIVEN

ISSUE RAISED	NAME	RESPONSE GIVEN
Procedural Issues		
Please distribute the background information documents to the various schools and community centres. Please put posters at the Itumeleng and Tsaedi High school and ensure that you publish your adverts in the Ledig Sun.	Chonko Monnakgotla	This comment will be considered
I would like to know whether the housing will be for the communities or mine workers.	Jafta Masilo	The housing is intended for the mine workers and will be on the mine property
Project related issues		
How many houses are going to be built?	Nokwaka Mmemezi	910 houses will be built

4. THE WAY FORWARD

CK outlined the way forward as follows:

- Specialists will complete their studies.
- The scoping report will be compiled in English and a summary will be compiled in English and Setswana and will be distributed to IAPs via post, fax and/or e-mail.
- The draft WUL Amendment Report (or summary), draft Environmental Impact Assessment Report and Environmental Management Programme Report (EMPr) will be submitted for authority & public review
- The final EIA,EMPr and WULA reports will be submitted to the authorities and the public to review as well as the relevant competent authorities for decision.
- Regulatory authorities and IAPs will have 30 days to submit comments on each report.

5. CLOSE

CK thanked everyone for being present and closed the meeting

APPENDIX 1: ATTENDANCE REGISTER

Name and Surname	Interest in project	Postal address	Contact numbers	E-mail
Chiara Kotze	SLR Consulting		0732777228	ckotze@slrconsulting.com
Cathy Theron	Wesizwe	P.O Box 1112, Ferndale 2160	0114635125	cathytheron@telkomsa.net
Edger Brocks	Worley Parsons	P.O Box 6388 Greenhills Randfontein 1759	0825529280	Edgar.brocks@warleyparsons.com
A Labushayne	Worley Parsons	P.O Box 6388 Greenhills Randfontein 1759	0794986917	albielab@warleyparsons.com
Chonko Monnakgotla	Moses Kotane Local Municipality		0780190694 0728037520	cmonnakgotla@gmail.com
Bishop Mothibedi	Moses Kotane Local Municipality		0722900075	
Lungelo Ntandeni	Wesizwe		0824958289	Lungelo.nyandeni@wesizwe.com
Mabsy Pitsoe	Rustenburg Local Municipality	P.O Box 336 Phokeng 0335	0716753452	dpitsoe@rustenburg.gov.za



Nokwaka Mmemezi	Rustenburg Local Municipality	P.O Box 336 Phokeng 0335	0827041960	mmemezi@rustenburg.gov.za
Andiswa Silinga	GGES	P.O Box 383 Stevensvalley	0844097090	andiswa@gges.co.za
Tankiso Phidza	GGES		0733215159	tankisop@gges.co.za
Maseknatsi Rantsieng	SLR Consulting		0837642596	mrantsieng@slrconsulting.com

APPENDIX 2: PRESENTATION

CHANGES TO BAKUBUNG PLATINUM MINE

Attendance Register for Meeting with DMR – DMR offices, Klerksdorp

6 July 2015 at 13h30

Name and Surname	Affiliation	Email	Cell Number / Office number	Signature
Lorraine Nsoela	DMR	Lorraine.Nsoela@dmr.gov.za	018 487 4300	
Tshiledi phabela	DMR	tshiledi.phabela@dmr.gov.za	018 487 4300	
Catly Theran	wesivwe	Catlytheran@telkomsa.net	08285 22926	CT
Chiara Kotze	SLR	chotze@slrconsulting.com	0732777228	Chotze.
S. Sekon-Rogers	SLR	sholt@slrconsulting.com	0725339636	ShkonRogers



GEMINI GIS AND ENVIRONMENTAL SERVICES

PROJECT NAME: Water Use Licence Application
SUBJECT: Pre- application meeting
DATE: 31 July 2015
TIME: 11h00
VENUE: DWS offices – Waterbron building in Pretoria

Name	Initials	Contact Number	Email Address	Type*
Sebenzile Ntshangase	SN	012 207 9911/082 896 8228	ntshangases@dws.gov.za	P
Tankiso Phidza	TP	011 060 6700/ 073 321 5159	tankisop@gges.co.za	P
Cathy Theron	CT	011 463 5125/ 082 852 2976	cathytheron@telkomsa.net	P
Lungelo Nyandeni	LN	082 495 8289	lungelo.Nyandeni@wesizwe.com	P
Gift Bhebhe	GB	071 506 3600	gift.bhebhe@gmail.com	P
Andries Strauss	AS	011 806 7111/ 072 734 2410	astrauss@knightpiesold.com	P

*(P = Present, Ab,=Absent, Ap = Apologies, S = Substitute, G = Guest)

PURPOSE OF THE MEETING

Introductions and pre-application discussions

APPROVAL OF THE PREVIOUS MINUTES

Not approved/Minutes not read

AGENDA

1. Introductions
2. Actions from previous minutes
3. Matters arising
4. Matters for discussion
5. Closure

MINUTES

Item No	Agenda Topic	Main points, Conclusion, discussions, concerns, decisions, next steps
1.	Introductions	<ul style="list-style-type: none"> • SN introduced the team to the Engineer, Mr. Gift Bhebhe (GB). CT volunteered to chair the meeting and SN will take notes. • CT gave a background of the project and list the activities that are applied for. It was indicated that the sewage plant that is proposed for the mine is biological (package plant) which will not produce any sludge. • LN gave an overview plan for the expansion and acquisition of water through damming of the tributaries that passes through the property. Service life is estimated between 20 and 25 years. • It was made clear by DWS officials that no Section 21a activities will be approved the catchment as it will affect the other users of the of water in the area. The information regarding this is

GEMINI GIS AND ENVIRONMENTAL SERVICES

MINUTES		
Item No	Agenda Topic	Main points, Conclusion, discussions, concerns, decisions, next steps
		outlined in the "Internal Strategic Perspective" for Noth West.
2.	Actions from previous minute	<ul style="list-style-type: none"> • The previous minutes were not read as the engineer wanted to give a brief overview of what is required for applications.
3.	Matters arising	<ul style="list-style-type: none"> • None
4.	Matters for discussion	<ul style="list-style-type: none"> • List of activities that are applied for: <ul style="list-style-type: none"> ○ Section 21 (b) – Storing water ○ Section 21 (c) – Impeding or diverting water in a watercourse ○ Section 21 (g) – Disposing of water in a manner which may detrimentally impact on a water resource ○ Section 21 (i) – Altering the beds, banks, course or characteristics of a watercourse ○ Section 21(j) – Removing, discharging or disposing of water found underground. • Preparation of application write up: <ul style="list-style-type: none"> ○ All the uses that are applied for are to be listed ○ Provide summary of site geology ○ Summary of geohydrological report ○ Storm waster management – for assessment of adequacy of the system. It is important to indicate how clean and dirty waster are separated. It should be ensured that water is channelled through a lined system to aline facility. ○ Erosion protection measures should be put in put in place ○ A site layout plan should be attached with the application- including the site security and access control. It is important to show perimeter fence and fence enclosing the storage facilities; site infrasturture plan; drainage lines; etc. ○ The Hydrology report should indicate all the water channels. Provision of 100m buffer or 1:100 flood line should be considered during the palnning /design of the infrastructure. • Divert/berms: <ul style="list-style-type: none"> ○ Berms are applied for in terms of Section 21 (c) and (i). • Dams: <ul style="list-style-type: none"> ○ Section 21(b) instream should consider the flood line and offstream it should be 50 000m³ x3m height , 0.8 m free board and it should be approved by the Dam Safety Office. ○ Analysis of the dam should be carried out indicating how spillways are handled; how flood events are diverted; design of dam wall should cater for catching the 1:100 flood event. • River crossings: <ul style="list-style-type: none"> ○ Provide details of the crossing (drawing of a cross section) ○ Indicate if it is below or above the river bed; also indicate the velocity of the river. ○ The crossing should stay clear of the 1:100 flow level. ○ Give an analysis of the effect of infrastructure on the river. ○ Develop the costruction method statement -to minimize the

GEMINI GIS AND ENVIRONMENTAL SERVICES

MINUTES		
Item No	Agenda Topic	Main points, Conclusion, discussions, concerns, decisions, next steps
		<p>impacts and also the diversion of water during construction.</p> <ul style="list-style-type: none"> ○ It should be noted that digging within the watercourse is not allowed. <ul style="list-style-type: none"> ● Impoundments: <ul style="list-style-type: none"> ○ These includes TFS; sewage dams, etc. ○ All the impoundments should be put on the table, furnish all the details on the table ○ The designs should take cognisance of dam safety issues (capacity and wall height). ○ Waste classification in terms of GNR 634;635 and 636 should be followed and take note of the barrier system to use according to what is specified. ○ Combination of liners are often recommended (compacted clay layers and HDPE liner). ○ It should be noted that the liner should not be exposed to the sun (heat conditions) as it reduces the life barrier system by half. ○ It is recommended that 2m separation between waste body and water body should be allowed. ○ Class of material should be determined and leachate collection system. Depending on the water table level, underground drainage channel may be required. ○ DWS has to determine who are the other users of ground water in the WMA. ○ Slope designs are important for ore stockpiles (calculated at 1.3/1.5). ● Designs: <ul style="list-style-type: none"> ○ There should be signatures on plans and designs ○ Provide construction quality assurance plan. ○ Indicate the SANS codes used for the Geosynthetic material. ● Sewage Management: <ul style="list-style-type: none"> ○ The entire site has to be barriered. ○ Indicate where the effluent will discharge to? ○ Sludge management should be designed with class B barrier and 1:50 flood event. ● Dust suppression: <ul style="list-style-type: none"> ○ It is a Section 21 (g) if the water that is used dirty. ○ It should be noted that the water used has to meet the “discharge standard” for the area. ● Gabions (Erosion measures): <ul style="list-style-type: none"> ○ They have to be applied for under Section 21 (c) & (i), and consider the 1:100m. ○ It has to be determined if the gabions does affect the biota in the watercourse. ○ It has to be installed below the water bed. ○ The pipes that crosses the stream should have no joints, have sleeves around to catch any leaks, and it has to have a concrete case. The casing extend beyond the 1:100m.

GEMINI GIS AND ENVIRONMENTAL SERVICES

MINUTES		
Item No	Agenda Topic	Main points, Conclusion, discussions, concerns, decisions, next steps
		<ul style="list-style-type: none"> ○ If the pipes are crossing above the stream, it has to be ensured that it stay clear of the 1:100m. • General: <ul style="list-style-type: none"> ○ The Catchment and WMA conditions should be considered for all activities. ○ Internal Strategic Perspective (ISP) for the area should also be considered for the activities that are allowed and thosed that are not allowed by DWS.
5.	Closure	<ul style="list-style-type: none"> • Meeting adjourned 11h50

ACTIONS			
Item No.	ACTION	Person Responsible	Due Date
1.	Send the the internal guideline to all attendees	SN	
2.	Determine the other groundwater users in the catchment	DWS	
3.	Provide a copy of Internal Strategic Perspective (ISP) for North West	SN	

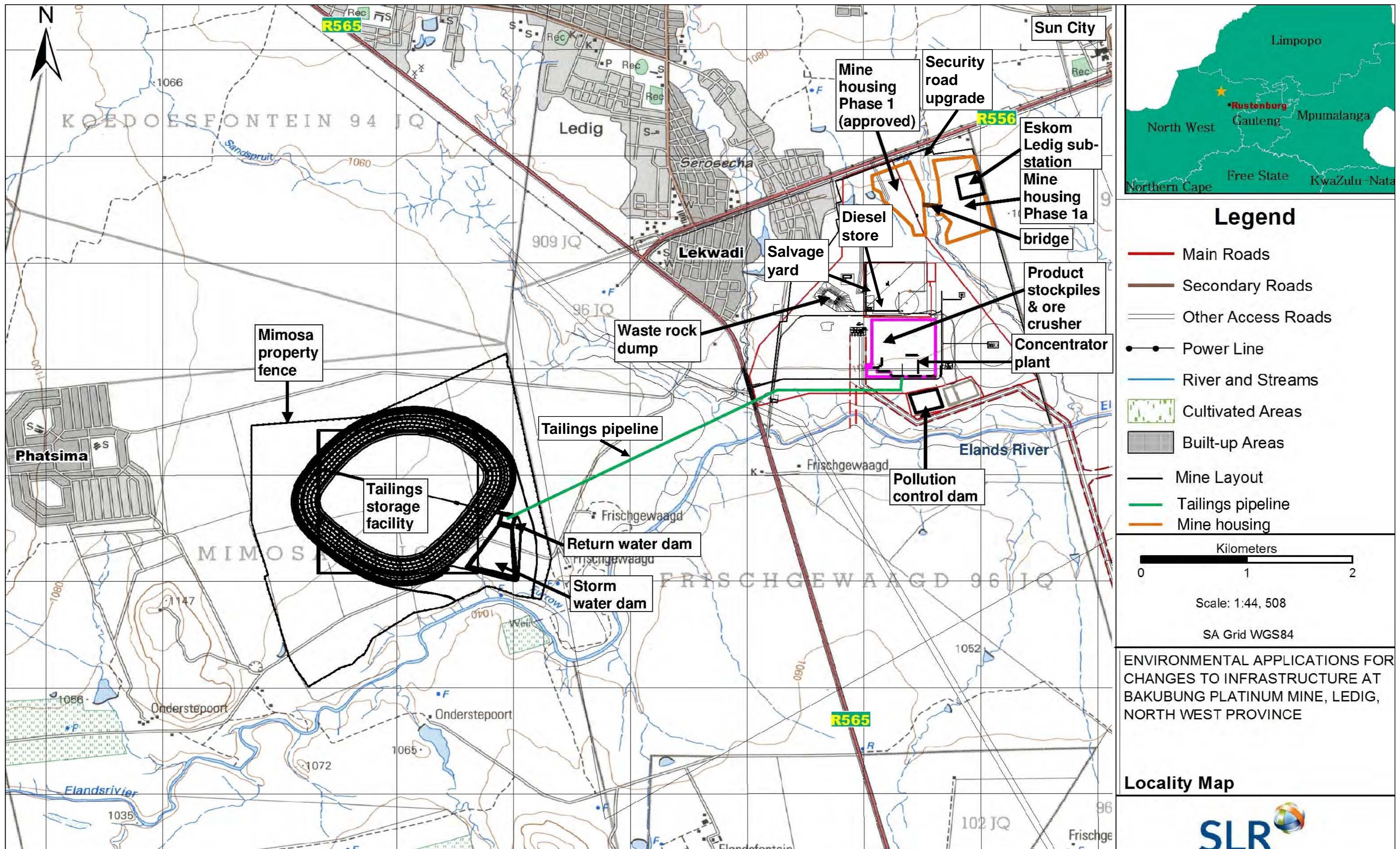
Next Meeting Date:	TBA
Next Meeting Time:	TBA
Next Meeting Venue:	TBA

APPROVED BY:	
Signature:	_____
Name:	_____
Designation:	_____
Title:	_____
Date:	_____

- **Copies of the posters, attendance registers and photos of the public open day**

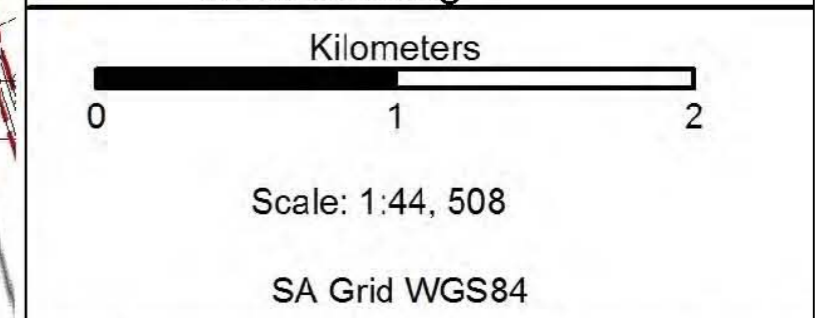
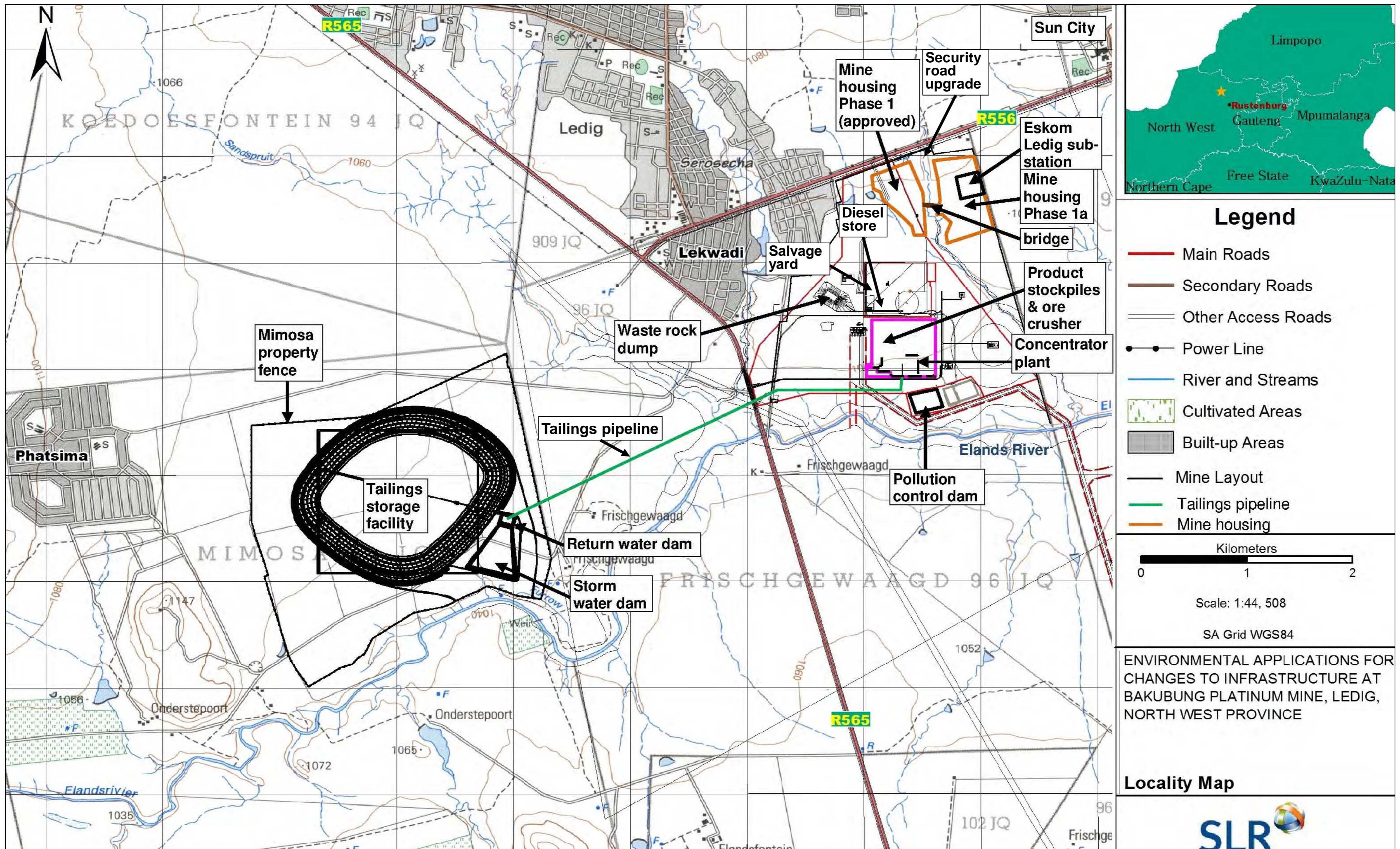
MAFARATLHATLHA KWA BAKUBUNG PLATINUM MINE

MMAPA WA LEFELO LE POLANE YA SETSHA



INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

LOCALITY MAP AND SITE PLAN



ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE, LEDIG, NORTH WEST PROVINCE

Locality Map

DIKOPO TSA TIKOLOGO TSA DIPHETOGO TSA MAFARATLHATLHA KWA BAKUBUNG PLATINUM MINE

DITIREGO TSA PEOMOLAO YA TIKOLOGO

Go ya ka peomolao ya Aforikaborwa ya tikologo, dithebolo tse nne le dilaesense, tse di fiwang ke bathati ba ba kgonang ba ba farologaneng, di tlhokelwa Dikopo tsa Tikologo tsa Diphetogo tsa Mafaratlhatlha kwa Bakubung Platinum Mine

Kopo e e Kopantsweng

Molao wa Tsamaiso ya Tikologo wa Bosetšhaba, 1998 (NEMA)

Thebolo ya Tikologo (EA) go tswa go

Lefapha la Metswedi ya Dimenerale la Porofense

Tsamaiso ya Tikologo ya Bosetšhaba: Molao wa Matlakala, 2008 (NEM:WA)

Laesense ya Taolo ya Matlakala (WML) go tswa go

Lefapha la Metswedi ya Dimenerale la Porofense

Porojeke ya Moepo wa Bakubung

Mineral and Petroleum Resources Development Act, 2002 (MPRDA)

Tlhabololo ya Karolo 102 go tswa go

Lefapha la Metswedi ya Dimenerale la Porofense

Molao wa Metsi wa Bosetšhaba, 2008 (NWA)

Laesense e e Kopantsweng ya Tiriso ya Metsi (IWUL) go tswa go

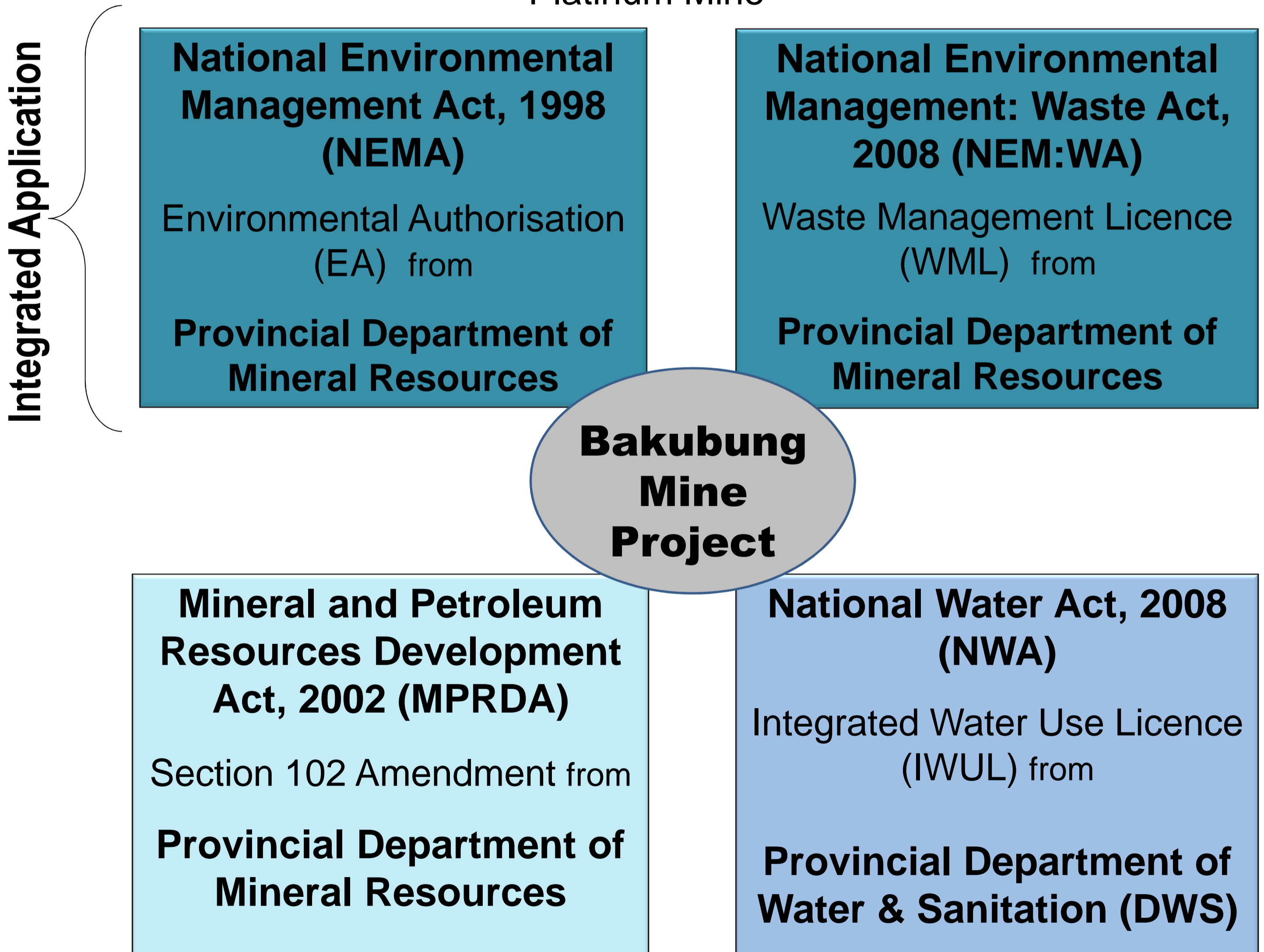
Lefapha la Metsi & Phepafatso la Porofense (DWS)

SLR Consulting ke Badiri baTlhatlhobo ya Tikologo (EAPs) ba ba Ikemetseng ba ba nang le maikarabelo a go dira tlhatlhobo ya tikologo & pego mo boemong jwa **Wesizwe** Platinum Limited, ya Diirego tsa **NEMA, NEM:WA le MPRDA** Processes. **Gemini GIS le Environmental Services** ke EAPs tse di kokoanyang kopo ya **IWUL** le dipego.

ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

ENVIRONMENTAL LEGISLATIVE PROCESSES

In terms of South African environmental legislation, four authorisations and licences, administered by different competent authorities, are required for the Environmental Applications for Changes to Infrastructure at Bakubung Platinum Mine



SLR Consulting are the independent Environmental Assessment Practitioners (EAPs) responsible for conducting the environmental assessment & reporting on behalf of **Wesizwe** Platinum Limited, for the **NEMA, NEM:WA and MPRDA** Processes. **Gemini GIS and Environmental Services** are the EAPs compiling the **IWUL** application and reports.

MAFARATLHATLHA KWA BAKUBUNG PLATINUM MINE

TSHEDIMOSETSO YA POROJEKE

Bakubung Platinum Mine e amogetse Thebolo ya Tikologo ka 2009, go ya ka NEMA & MPRDA. Porojeke e e tshitshintsweng e tlaa akaretsa **DIPHETOGO** tse di latelang **GO Bakubung Platinum Mine TSE DI REBOTSWE** (ela tlhoko go le ke lenaane la ntlha):

- Kago ya **letamo la manya le legolwane** mo kgaolong ya Mimosa 81JQ – e tlaa oketsega go tswa go 142 ha. go ya bokana ka 166 ha. Bogodimo bo tlaa nna 44m;
- **Peipi ya manya** fa gare ga moepo & letamo la manya;
- **Koketsgo ya polante ya concentrator** go tswa go ditone tse 230 000 ka kgwedi go ya go phopholetso ya ditone tse 265 000 ka kgwedi;
- **Mothamo o o oketsegileng wa dikumo tsa moepo tse di kokoantsweng;**
- **Khuduso ya dithubamanya** go tswa ka fa tlase ga lefatshe go ya mo godimo ga lona;
- Kakaretso ya diminerale mo **laesenseng ya mafika go isa mo go epeng moepo**, ka mafika a a latlhiwang a ka nna a rekisiwa jaaka motswako wa mafika le diminirale;
- Kago ya **dikgato tsa go laola kgogolego ya mmu** mo melapong le dinokeng;
- **Poloko & tshwaro ya dithoto tse di kotsi** jaaka tisele;
- **Dipeipi & marogo godimo ga melapo**, tse di farologaneng, go akaretsa marogo a a kwa godimo ga tsela;
- **Dipeipi tsa leswe & metsi** tse dintšhwa;
- **Ditsela tsa mo teng ga moepo** tse dintšhwa;
- **Dišafote tsa mowa & didiba;**
- **Dijenereitara** gongwe le **polante ya maatla a letsatsi** mo setsheng; le
- Kago ya **kgato 1a ya matlo a moepo**.



Senepe sa tebo go tswa godimo sa setsha sa Bakubung Platinum Mine wa ga jaana (o o rebotsweng).

Ditiro tsa MATLAKALA tse di latelang di tlaa nna teng, tse di tlaa tloang Laesense ya Taolo ya Matlakala:

- **Letamo la manya;**
- **Dithutobolo tsa Mafika a Matlakala;**
- **Segotlo sa Poloko** (poloko ya nakwana ya matlakala a kakaretso le e e kotsi).

INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

PROJECT INFORMATION

Bakubung Platinum Mine received Environmental Authorisation in 2009, in terms of NEMA & MPRDA. The proposed project will involve the following **CHANGES TO THE APPROVED Bakubung Platinum Mine** (note that this is a preliminary list):

- Construction of a **larger tailings dam** on Mimosa 81JQ - area will increase from 142 ha to approx. 166 ha. The height will be approx. 44m;
- A **tailings pipeline** between the mine & tailings dam;
- **Increased capacity of concentrator plant** from 230 000 tons/month to approx. 265 000 tons/month;
- **Increased capacity of mine product stockpiles;**
- **Relocation of ore crusher** from underground to surface;
- Inclusion of minerals in **waste rock into mining licence**, as waste rock may be sold as aggregate;
- Construction of **erosion control measures** along watercourses;
- **Storage & handling of dangerous goods** e.g. diesel;
- Various **pipeline & road crossings over watercourses**, incl. a bridge crossing;
- New **sewage & water pipelines;**
- New **internal mine roads;**
- **Ventilation shafts & raise boreholes;**
- **Generators** and possibly a **solar power plant** on site; and
- Construction of **phase 1a of mine housing**.



Aerial photo of the current (approved) Bakubung Platinum Mine site.

The following **WASTE activities** will take place, which will require a Waste Management Licence:

- **Tailings dam;**
- **Waste rock dumps;**
- **Salvage yard** (temporary storage of general and hazardous waste).

DIKOPO TSA TIKOLOGO TSA DIPHETOGO TSA MAFARATLHATLHA KWA BAKUBUNG PLATINUM MINE

TSHEDIMOSETSO YA POROJEKE

Laesense ya Tiriso ya Metsi ya Bakubung Platinum Mine e filwe ka 2010. Porojeke e e tshitshintsweng e tlaa akaretsa **DIPHETOGO** tse di latelang **go Bakubung Platinum Mine o o rebotsweng**, o o tlaa tlhokang tlhabololo ya Laesense ya Tiriso ya Metsi ya Bakubung Platinum Mine (ela tlhoko go le ke lenaane la ntlha):

- **Poloko ya metsi** (a a senang leswe) – go boloka metsi mo diraseboeng tsa metsi le mo matamong; ;
- **Thibelo kgotsa phaposo ya kelelo ya metsi** mo nokeng ya metsi, le go fetola bokwatlase ba noka, tsela ya noka, kgotsa dintlha tsa pharologantsho ya kelelo y a noka/molapo – maborogo a mannye a a falologaneng go akaretsa dikgato tsa taolo tsa maborogo, tsa kgothego ya mmu le peipi ya manya;
- **Go latlha matlakala** ka tsela e e ka nnang ya ama motswedi wa metsi – letamo la manya, matamo a metsi a a busediwang, matamo a metsing a pula a a geletsweng, matamo a taolo ya kgotlelo, dithotobolo tsa mafika a a latlhiwang, polante e e phepafatsang metsi a leswe, manya a a kokotleditsweng, go okobetsa lorole ka metsi;
- **O tlosa, go golola kgotsa go latlha metsi** a a fitlhelwang ka fa tlase ga lefatshe fa go tlhokega gore go nne le tsweloediso e e kgonang ya tiro, kgotsa ka ntlha ya polokego ya batho - go tlosa metsi mo dišafoteng tsa moepo.



Sekao sa molapo wa metsi o o elelang ka nakwana mo setsheng sa Bakubung Platinum Mine.

ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

PROJECT INFORMATION

Bakubung Platinum Mine's Water Use Licence was issued in 2010. The proposed project will involve the following **CHANGES to the approved Bakubung Platinum Mine**, which will require an amendment to the Bakubung Platinum Mine's Water Use Licence (note that this is a preliminary list):

- **Storing of water** (not containing waste) – storing water in water reservoirs and settling dams;
- **Impeding or diverting the flow of water** in a water course, and altering the bed banks, course, or characteristics of a watercourse – various watercourse crossings including a bridge, erosion control measures and tailings pipeline;
- **Disposing of waste** in a manner which may impact on a water resource – tailings dam, return water dams, storm water dams, pollution control dams, waste rock dumps, sewage treatment plant, ore stockpiles, dust suppression with water;
- **Removing, discharging or disposing of water** found underground if it is necessary for the efficient continuation of an activity, or for the safety of people – dewatering the mine shafts.



An example of an ephemeral watercourse on the Bakubung Platinum Mine site.

DIKOPO TSA TIKOLOGO TSA DIPHETOGO TSA MAFARATLHATLHA KWA BAKUBUNG PLATINUM MINE

TIREGO YA TLHATLHOBO YA KAMEGO YA TIKOLOGO (EIA)

Go itsise dithebolo le dilaesense, go tlokega tirego ya Scoping & Tlhatlho bo ya kamego ya Tikologo (EIA) go ya ka Melawana ya EIA ya 2014 ka fa tlase ga NEMA.

Re fano

TIREGO YA EIA E E NOLOFADITSWENG

TIREGO YA NTLHA YA THERISANO YA SETŠHABA & BOTHATI
(Dikitsiso, Malatsi a Setšhaba a Botlhe, Dikopano tsa Bothati, Amogela Ditshwaelo)

ISA KOPO E E KOPANTSWENG YA NEMA LE NEM:WA GO BOTHATI
(e akaretsa tirego ya MPRDA S102)

PEGO YA SCOPING
Porojeke e Sele, Kaya Merero & Matshwenyego, Rulaganya gore EIA e tlaa dirwa jang, Dipholo tsa Therisano ya Ntlha ya Setšhaba & Bothati

TSHEKATSHEKO YA SETŠHABA YA PEGO YA SCOPING
(Pego ya Tlhomong & Pego ya Bofelo (fa go le diphetogo tse dintsi mo tlhomong)) [Lwets-Diph 2015]

ISA PEGO YA SCOPING GO BOTHATI
(Pego ya Tlhomong & Pego ya Bofelo)

KAMOGELO YA BOTHATI YA PEGO YA SCOPING

DITHUTOPATLISISO TSA BOITSEANAPE
Boleng ba Mowa, Modumo, Ekholoji & Maanwane, Metsi a a ka fa Tlase ga Lefatshe, Ngwaoboswa, Mmu, Mesti a a mo Godimo ga Lefatshe, Loago, Matlakala

LENANEO LA EIA & TSAMAISO YA TIKOLOGO (EMP)
Patlisiso, Tlhatlho ba Dikamego, Ditsela di Sele & Phokotso ya Dikamego

TSHEKATSHEKO YA SETŠHABA YA EIA & EMP
(Tlhomong ya Pego & Pego ya Bofelo (fa go le diphetogo tse dintsi go tswa mo tlhomong)) [Tlha-Mop 2016]

ISA EIA & EMP TSA BOFELO GO BOTHATI
(Tlhomong & Pego ya Bofelo)

TSHWETSO YA BOTHATI

TIREGO YA IKUELO

ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

ENVIRONMENTAL IMPACT ASSESSMENT PROCESS

To inform the authorisations and licences, a scoping & Environmental Impact Assessment (EIA) process is required in terms of the 2014 EIA Regulations under the NEMA.



SIMPLIFIED EIA PROCESS

INITIAL PUBLIC & AUTHORITY CONSULTATION PROCESS
(Notices, Public Open Days, Authority Meetings, Receive Comments)

SUBMIT INTEGRATED NEMA AND NEM:WA APPLICATION TO AUTHORITY
(includes MPRDA S102 process)

SCOPING REPORT
Project Alternatives, Identify Issues & Concerns, Plan how EIA will be done, Results of Initial Public & Authority Consultation

PUBLIC REVIEW OF SCOPING REPORT
(Draft Report & Final Report (if significant changes to draft)) [Sept-Oct 2015]

SUBMIT SCOPING REPORT TO AUTHORITY
(Draft & then Final Report)

AUTHORITY ACCEPTANCE OF SCOPING REPORT

SPECIALIST STUDIES
Air Quality, Noise, Ecology & Wetlands, Groundwater, Heritage, Soil, Surface Water, Social, Waste

EIA & ENVIRONMENTAL MANAGEMENT PROGRAMME (EMP)
Research, Assess Impacts, Alternatives & Impact Mitigation

PUBLIC REVIEW OF EIA & EMP
(Draft Report & Final Report (if significant changes to draft)) [Feb-Mar 2016]

SUBMIT FINAL EIA & EMP TO AUTHORITY
(Draft & then Final Report)

AUTHORITY DECISION

APPEAL PROCESS

DIKOPO TSA TIKOLOGO TSA DIPHETOGO TSA MAFARATLHATLHA KWA BAKUBUNG PLATINUM MINE

TIREGO YA KOPO YA LAESENSE YA TIRISO YA METSI

Go amogela laesense ya tiriso ya metsi (WUL), tirego tebang le NWA.

**RE
FANO**

TIREGO YA WUL E E NOLOFADITSWENG

**KOPANO YA PELE GA KOPO LE DWS / KITSISO YA MAIKAELELO A
GO TSENYA KOPO YA WUL**

TIREGO YA NTLHA YA THERISANO YA SETŠHABA & BOTHATI
(Dikitsiso, Malatsi a Setšhaba a Botlhe, Dikopano tsa Bothati, Amogela Ditshwaelo)

DITHUTOPATLISISO TSA BOITSEANAPE

Metsi a a ka fa tlase ga Lefatshe, Metsi a a mo godimo ga Lefatshe, Maanwane, Loago

RULAGANYA DIFOROMO TSA KOPO YA LAESENSE YA TIRISO YA METSI (WUL)

**RULAGANYA TLHOMO YA LEANO LE LE KOPANTSWENG LA METSI LE TAOLO
YA MATLAKALA (IWWMP)**

TSHEKATSHEKO YA SETŠHABA YA TLHOMO YA IWWMP (kgotsa Tshobokanyo)

RULAGANYA IWWMP YA BOFELO

**ISA DIFOROMO TSA BOFELO TSA KOPO YA WUL LE IWWMP YA
BOFELO GORE BOTHATI BO TSEYE TSHWETSO**

TSHWETSO YA BOTHATI

TIREGO YA IKUELO

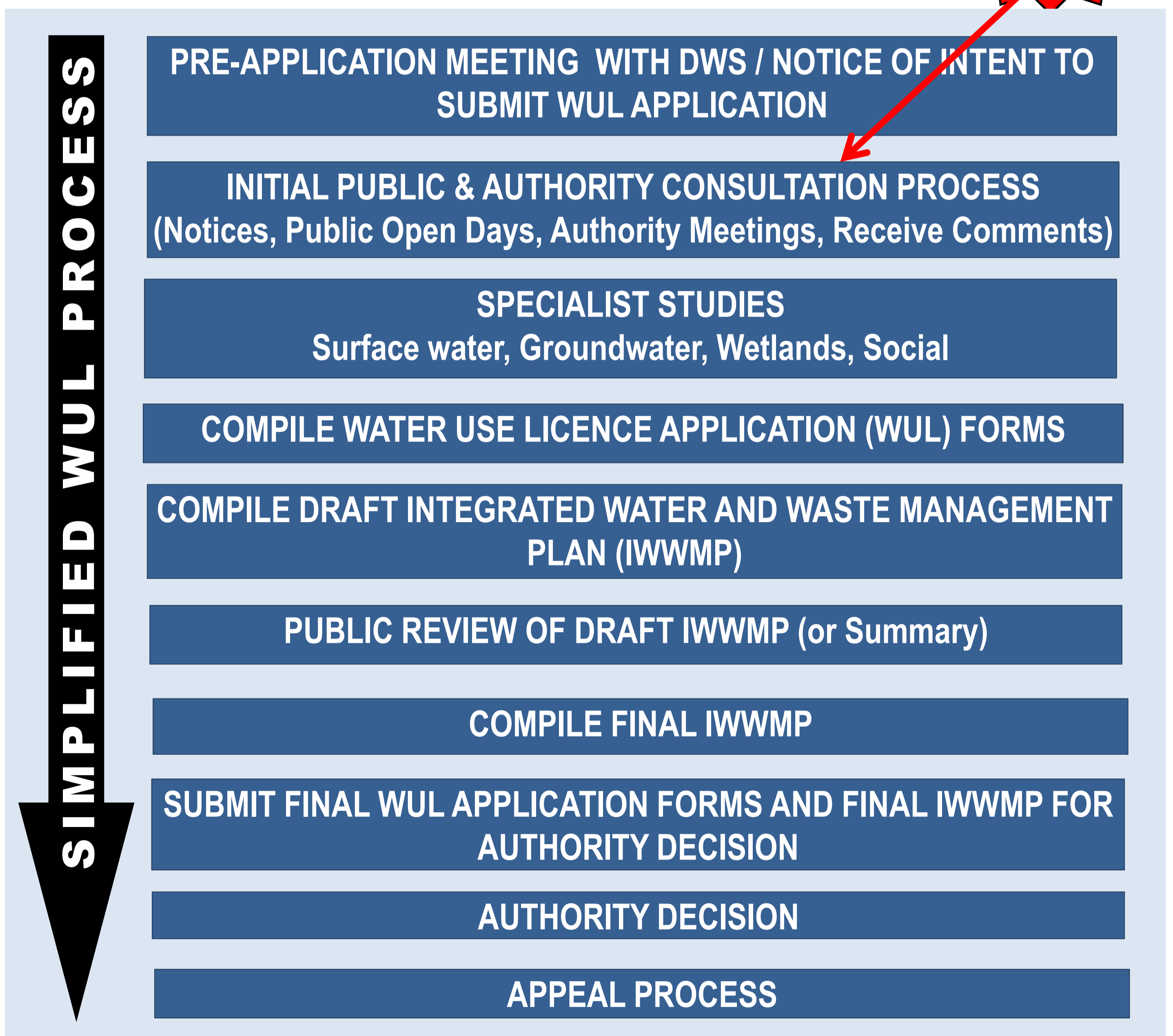
(Ela tlhoko gore tirego e ka nna ya fetoga fa melawana e e tebang le ditlhokego tsa tsamaiso tsa Dikopo tsa WUL e ka phasaladiwa tebang le Karolo 26(1)k ya Molao wa Metsi wa Bosetšhaba (36 wa 1998).)

ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

WATER USE LICENCE APPLICATION PROCESS

To obtain a water use licence (WUL), a process in terms of the NWA is required.

We are here

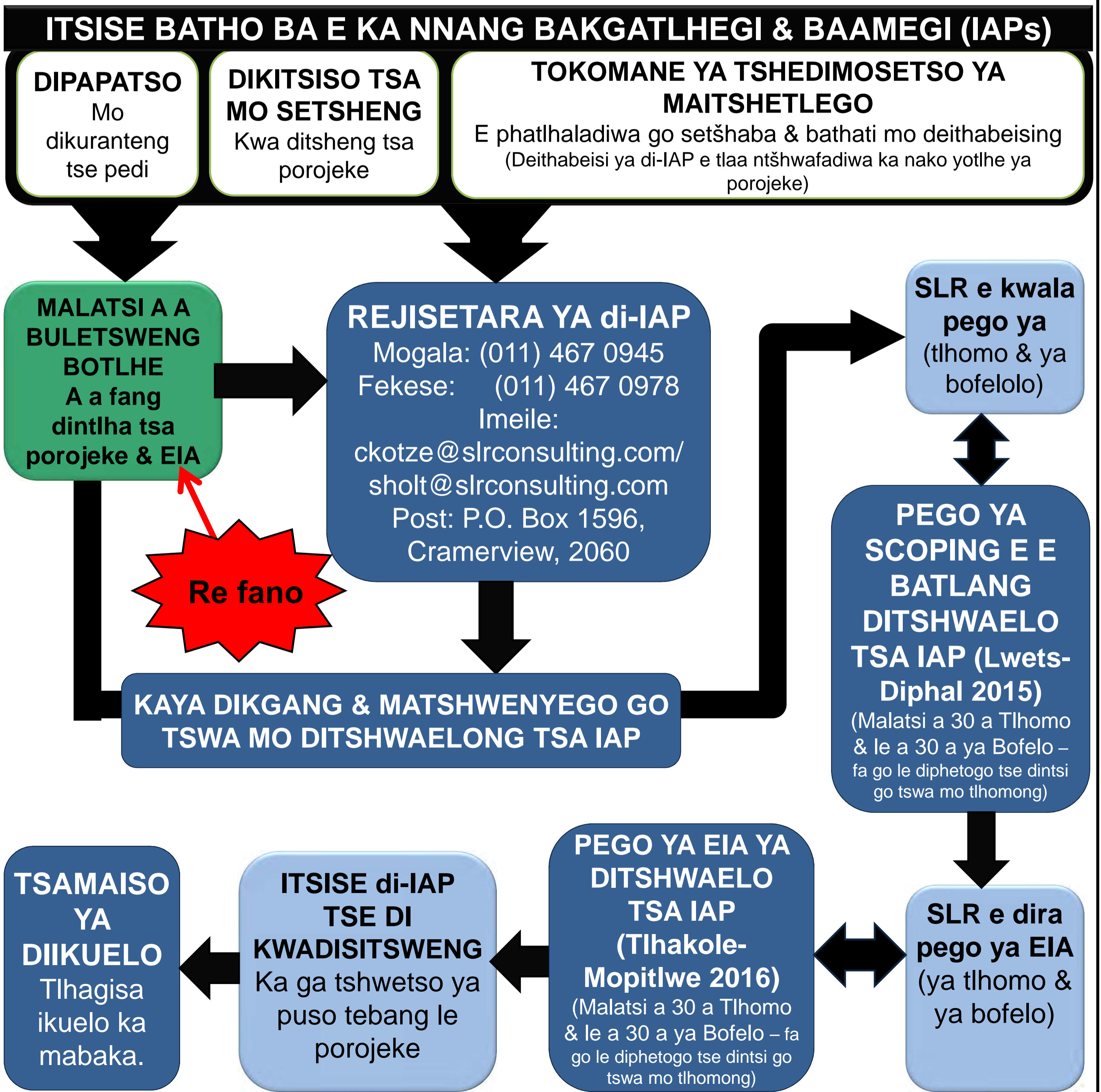


(Note that the process may change if regulations regarding procedural requirements for WUL Applications are published in terms of Section 26(1)k of the National Water Act (36 of 1998).)

DIKOPO TSA TIKOLOGO TSA DIPHETOGO TSA MAFARATLHATLHA KWA BAKUBUNG PLATINUM MINE

TIREGO YA BOTSAYAKAROLO JWA SETŠHABA

SLR e tlaa tsamaisa Tirego ya Botsayakarolo jwa Setšhaba jwa porojeke.
Ditshono tsa go tsaya karolo ga setšhaba di bontshitswe fa tlase:

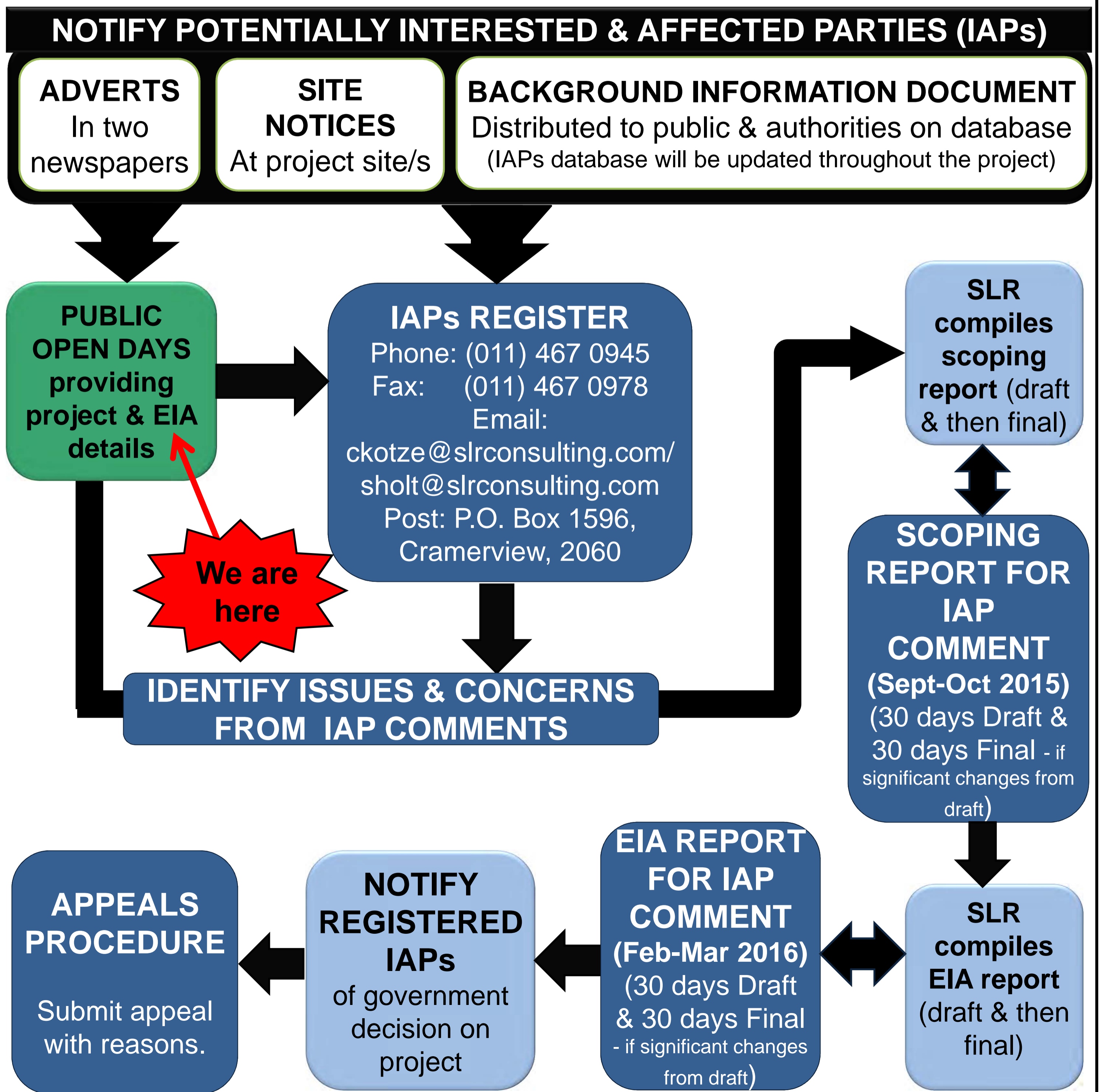




ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

PUBLIC PARTICIPATION PROCESS

SLR will manage the Public Participation Process for the project. Opportunities for public involvement are shown below:



DIKOPO TSA TIKOLOGO TSA DIPHETOGO TSA MAFARATLHATLHA KWA BAKUBUNG PLATINUM MINE

DITHUTOPATLISISO TSA BOITSEANAPE

Dintlha tse di bothokwa tsa phetogo ya tikologo?

- Metsi a a ka fa tlase ga Lefatshe
- Metsi a a mo godimo ga Lefatshe
- Boleng ba Mowa
- Modumo
- Dimela le Ditshedi
- Maanwane
- Metswedi ya Ngwaoboswa
- Bokgoni ba Mmu, Lefatshe & Dikamego tsa Tiriso Lefatshe
- Dikamego tsa Loago



Senepe sa Bakubung Platinum Mine wa ga jaana (o o rebotsweng).

Thutopatlisiso ya boitseanape e dirwa jang?

TSHIMOLOGO

Tlhomamisa seemo sa jaana sa tikologo mo tikologong ya lefelo la porojeke le le tshitshintsweng. (Jk. Bogodimo jwa lerole jwa jaana mo lefelong bo kana kang?)

TSHEDIMOSETSO E E TSENELETSENG YA POROJEKE

Batla tshedimosetso ya porojeke go tlhomamisa gore porojeke e ka ama jang dintlha tse di rileng tsa tikologo. (Jk. Ke ditiro dife tsa porojeke tse di ka dirang lorole?)

GO BONELA PELE KAMEGO

Kaya dikamego tsa tikologo tsa porojeke tse di ka kgonegang. (Jk. Dirisa dimotlele tsa khomphiutha go lebelala pele kokoano e e ka kgonegang le karolo ya phatthalatso ya lorole.)

TLHATLHOBO YA KAMEGO

Tlhatlhoa gore bogolo jwa kamego e e bonetsweng pele bo tla nna jang. (Jk. Lerole le le solofetsweng le tlaa ama jang boitekanelo jwa merafe e e gaufi?)

PHOKOTSO YA DIKAMEGO

Tlhomamisa ditsela tse dikamego di ka fokodiwang ka tsona. (Jk. Moepo o tshwanetse go gasa ditsela ka metsi ka metlha go fokotsa lorole.)

TLHOKOMELO

Lenane la go tlhokomela le tlaa bewa go lekanya bogodimo jo bo tswelletseng jwa kamego le go tlhomamisa go kgona ga go fokotsa kamego. (Jk. Dikgameo tsa lorole di tlaa bewa mo mafelong a a rileng mme lerole le tlaa lekangwa kgwedi le kgwedi.)

Dithutopatlisiso tsa boitseanape di tlaa dirwa ke borasaense ba boitseanape, go ithuta ka mo porojeke e amang diphetogo tsa tikologo tse di umakilweng fa godimo .

Dithutopatlisiso tsa Boitseanape di tlaa isiwa go tshegetsa dikopo tsa tikologo le metsi.

ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

SPECIALIST STUDIES

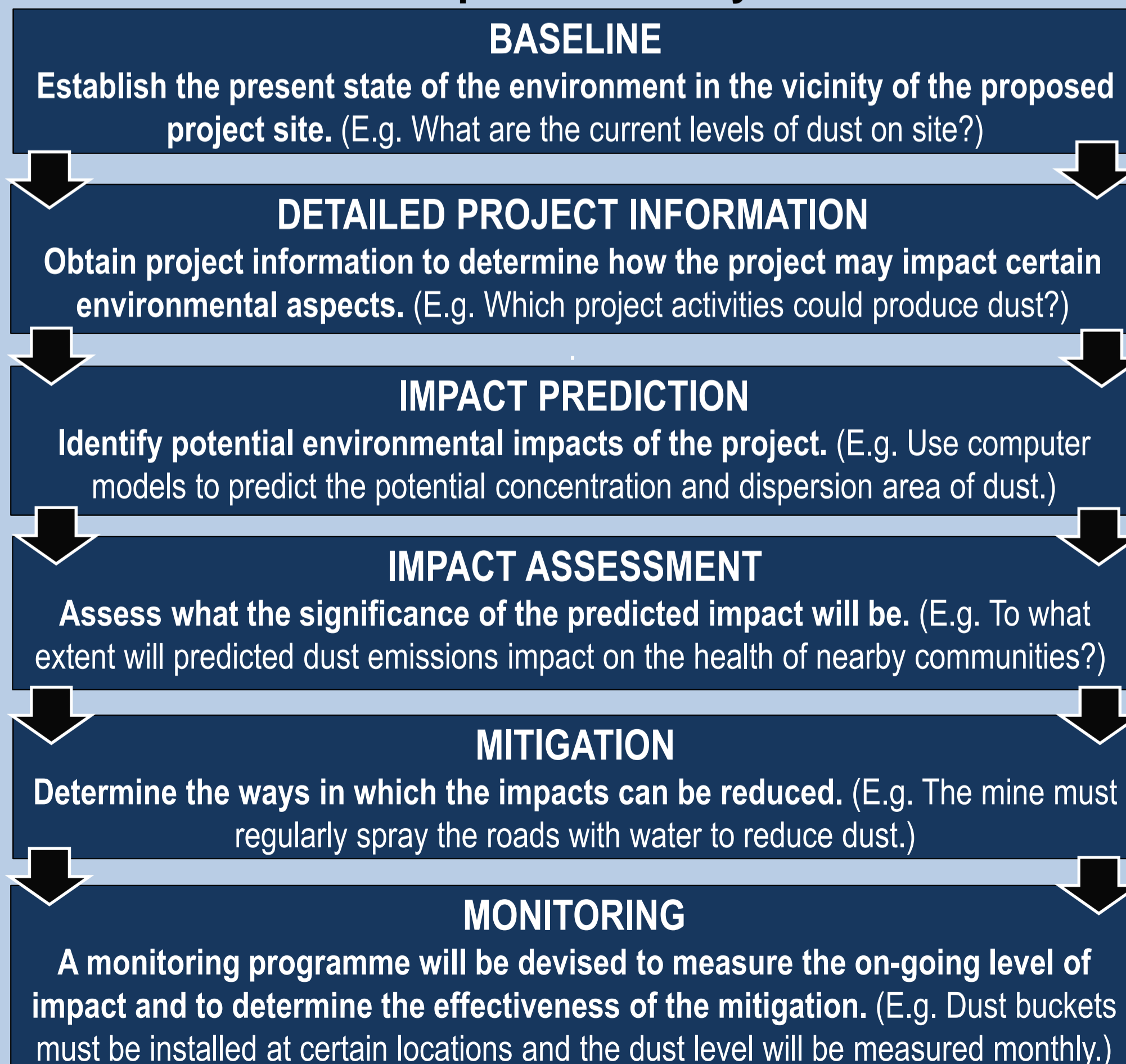
What are the key environmental sensitivities?

- Groundwater
- Surface Water
- Air Quality
- Noise
- Fauna and Flora
- Wetlands
- Heritage Resources
- Soil, Land Capability & Land Use Impacts
- Social Impacts



Photo of the current (approved) Bakubung Platinum Mine.

How is a Specialist Study done?



Specialist studies will be undertaken by specialist scientists, to study the project's impact on the environmental sensitivities mentioned above.

The specialist studies will be submitted in support of the Environmental and Water Applications.



ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

PUBLIC PARTICIPATION PROCESS

SLR will manage the Public Participation Process for the project. Opportunities for public involvement are shown below:

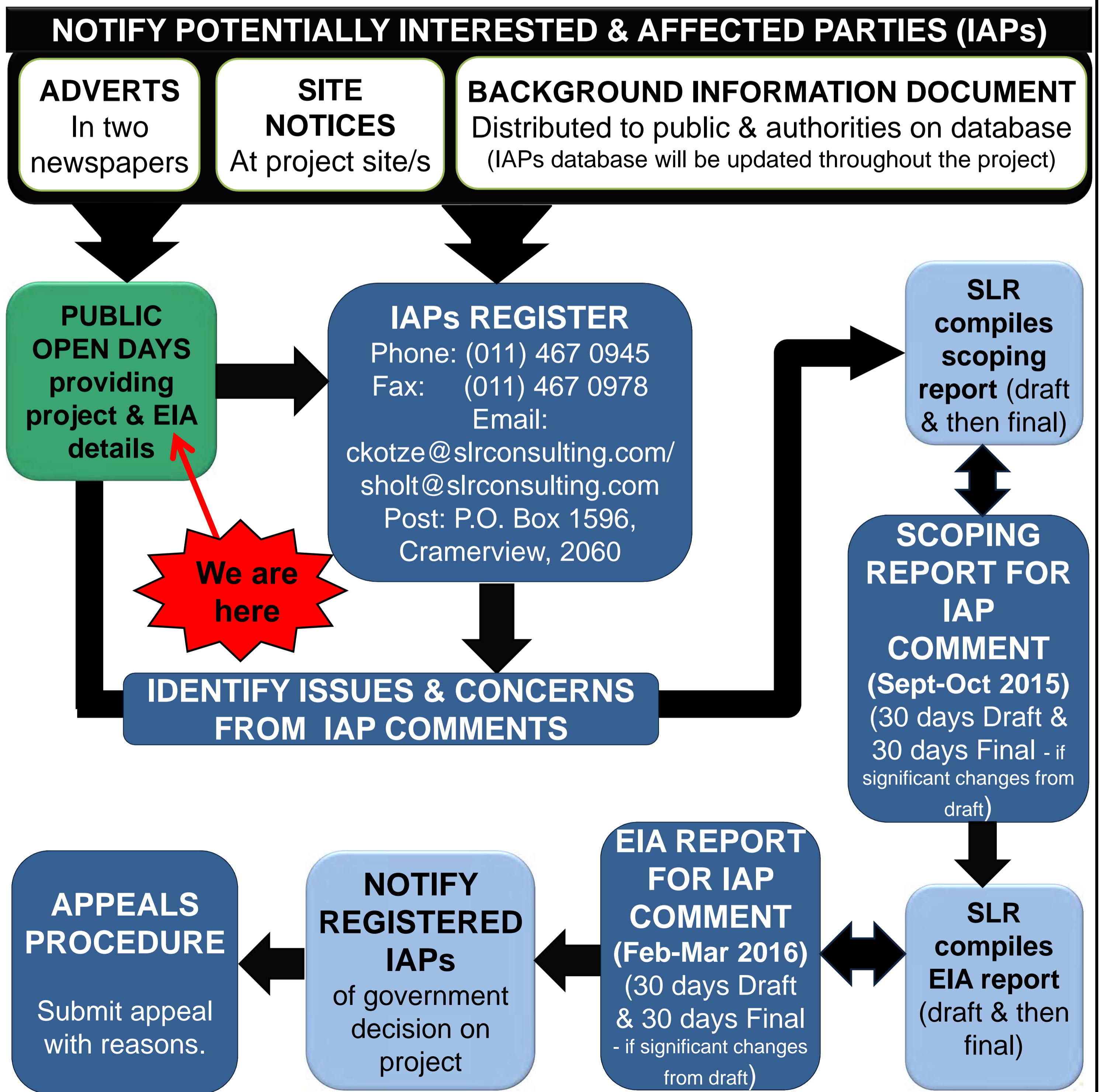


Table 2: Ledig Public Open Day (12 August 2015)

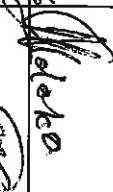



Item	Description	Picture/Photo
1	Layout and set-up of posters in the Bakubung Community Hall	
2	Location of the Public Open Day at the Bakubng Community Hall, Ledig	

Item	Description of the	Photos	
3	Explanation of posters presented to community members	 <p>A group of people, including women and children, are gathered around several posters displayed on the wall of a community room. They appear to be reading and discussing the information. The room has yellow walls, large windows, and ceiling fans. A date stamp '12/08/2015' is visible in the bottom right corner of the photo.</p>	 <p>A group of people, including women and children, are gathered around several posters displayed on the wall of a community room. They appear to be reading and discussing the information. The room has yellow walls, large windows, and ceiling fans. A date stamp '12/08/2015' is visible in the bottom right corner of the photo.</p>
4	Interaction with community members	 <p>A group of people, including women and children, are gathered around several posters displayed on the wall of a community room. They appear to be reading and discussing the information. The room has yellow walls, large windows, and ceiling fans. A date stamp '12/08/2015' is visible in the bottom right corner of the photo.</p>	 <p>A group of people, including women and children, are gathered around several posters displayed on the wall of a community room. They appear to be reading and discussing the information. The room has yellow walls, large windows, and ceiling fans. A date stamp '12/08/2015' is visible in the bottom right corner of the photo.</p>

ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

Attendance Register for Public Open Day – Bakubung Tribal Hall, Ledig


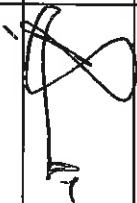
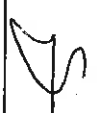

12 August 2015

Name and Surname	Company/ Affiliation	Email	Tel. / Cell Number	Postal Address	Signature
Elsie medupe			073 676 9196	P.O. BOX BAKUBUNG 0316	E. medupe
Annet Moko	Kgosana		0786381061	P.O. Box BAKUBUNG 0316	
Michael Moko	Kgosana	michael.mokos@mml.com	0735455103	P. Box BAKUBUNG 0316	
LOETO LAURANCE			0728406277	P.O. Box 65, Ledig, 0338	
JAMES ISAMBO	Kgosana		0608952828	P.O. Box, Ledig, 0338	

ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE



Attendance Register for Public Open Day – Bakubung Tribal Hall, Ledig

12 August 2015

Name and Surname	Company/ Affiliation	Email	Tel. / Cell Number	Postal Address	Signature
LISBETH LETSHOLO			019 9919122 012 314 9866	P.O BOX 1149 Sun 8145	N.L. Letsholo
LOETO LAWRENCE	Headman	Bakubung Tribe	0728406277	PO BOX 65 LEDIG	
Robert Kunene			0718246259	P.O BOX 1 025 LEDIG	Robert
TD Tshepo	Kopane	Bakubung	0729246251	P. Box 682	
Betha Katsola			0746762805	Box 2198	B.
Kgothatsi Sikhond	Reaqile Projects	Reaqileeruo@gmail.co	0791435522	FO BOX 435 Sun	
Poti ciomkupa			0722607096	P. O Box 70288	
Gedibole Modisikeng	Ledig	Bakubung Tribal	0	P. O. Bauratho	Gedibole Modisikeng

ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

Attendance Register for Public Open Day – Bakubung Tribal Hall, Ledig 12 August 2015

Name and Surname	Company/ Affiliation	Email	Tel. / Cell Number	Postal Address	Signature
PATRICK MARUKU	1			0603706705	P. Maruku
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DINGOPOTSE LOGO	PRIVATE	oleto@gmail.com	0745379041	P.O. Box 65 SECTION 1, LEDIG	
HAPPY MOLONZI	Private		0798089659	P.O. BOX 485 Barakwan	H. Molozi

ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

Attendance Register for Public Open Day – Bakubung Tribal Hall, Ledig










12 August 2015

Name and Surname	Company/ Affiliation	Email	Tel. / Cell Number	Postal Address	Signature
ABRARM modiko			0719918804	P.O. Box 90384. 21A BARBARA.	ABRARM
Siya - ZWANE		Siya Zwane1977@gmail	0825437469	2035 LETHUABI SEC LEDIG	
Roberto Romelle			0765434523	P.O. Box 346 Sun City 0316	
Tlengwe Tapie			0767262056	P.O. Box 2823 Sun City 0316	T. Tapie
Ishepo letshuti	BWCTC	chikletshuti@gmail.com	0765626072	P.O. Box 403 Sun City 0316	
Boitumele Ruby			0739955620	P.O. Box 2999 Kwadi section PO Box 1865	B.P. Ruby
Morwesa Hleleri			0811051099	Sun City 0316	M. Hleleri
Thema Shabalala	-		0712432547	LENG P.O. BARATHAEO	
Pogiso Arko Rone	Bakubung TK		0833131089	LEDIG	

ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

Attendance Register for Public Open Day – Bakubung Tribal Hall, Ledig


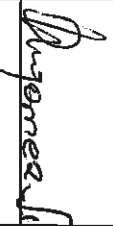
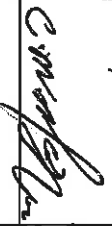
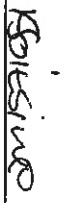





12 August 2015

Name and Surname	Company/ Affiliation	Email	Tel. / Cell Number	Postal Address	Signature
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ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

Attendance Register for Public Open Day – Bakubung Tribal Hall, Ledig

12 August 2015

Name and Surname	Company/ Affiliation	Email	Tel. / Cell Number	Postal Address	Signature
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J.J.Zwane		jabyahleves@gmail.com	07925606199	2 Letlhabele Sec	

ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

Attendance Register for Public Open Day – Bakubung Tribal Hall, Ledig

12 August 2015

Name and Surname	Company/ Affiliation	Email	Tel. / Cell Number	Postal Address	Signature
MOTLHASESI LINDO SAMUEL				3812 Ledig	X
Thibedi Melkewani			0732840352	E2278 Kwatsong	Thibedi
Sinangole Ntina			0724225030	3874 Makanyane	S.M.Ntina
SORHICE			060418451	2242 Lidag	SORHICE
Timeleng ZWANE			0810695561	1027 LEDIG SECTION 4	TZ
BONOLD DISELHE			0710763363	2718 KAGISO 1 SECTION	D. Diselhe
Cideon Panyeng			0738832092	544 Kagiso 1	C. Panyeng
BOITSHENO KWATI			0789493635	3448 9973 SAKOESHA	B.P.
MARTIN LEKATLE			0828390676	1858 Sec 1 Ledig E485 Kagiso 1 Section	M.R. Lekatle
David Mokoena			0734824085	8902145985 080	D.Mokoena

ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

Attendance Register for Public Open Day – Bakubung Tribal Hall, Ledig

12 August 2015

Name and Surname	Company/ Affiliation	Email	Tel. / Cell Number	Postal Address	Signature
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ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

Attendance Register for Public Open Day – Bakubung Tribal Hall, Ledig

12 August 2015

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12 August 2015

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ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

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12 August 2015

Name and Surname	Company/ Affiliation	Email	Tel. / Cell Number	Postal Address	Signature
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Attendance Register for Public Open Day – Bakubung Tribal Hall, Ledig 12 August 2015

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KOPMOTSO VANUYE		-	0765472880	P.O. BOX 331198	
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ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

Attendance Register for Public Open Day – Bakubung Tribal Hall, Ledig

12 August 2015

Name and Surname	Company/ Affiliation	Email	Tel. / Cell Number	Postal Address	Signature
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ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

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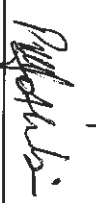
12 August 2015

Name and Surname	Company/ Affiliation	Email	Tel. / Cell Number	Postal Address	Signature
GRITHIA MBI			076 170 1048	P.O. Box 11700 BARKATHO	C.S. DZ
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DAUEL SITHEBE			076 409 7794	HOUSE NO 920	Sithebe
KARROO MODISAKENG			071 750 1166	HOUSE NO 135L	Modisakeng
JANIE MOLE	MLA	MLA	073 282 357	P.O. Barkatho	Janie

ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

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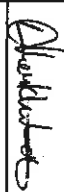
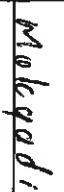
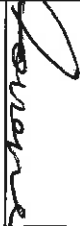

12 August 2015

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Mosike Northlane		.U/A	076 0913823 076 0913823	Zulu Section 293 LEDIG	
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Betty Khosi		N/A	0780906024	3163 VERTHURBULE SEC	B.N.Khosi
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DANIS SIBANTONI		N/A	0760162688	SECTION(4) 01230 P.O.Box LEDIG	
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ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

Attendance Register for Public Open Day – Bakubung Tribal Hall, Ledig

12 August 2015

Name and Surname	Company/ Affiliation	Email	Tel. / Cell Number	Postal Address	Signature
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Eva Mgokone			0163826761	E3049 Lekhulobile	
Beatsy Lebethe			0168187025	2159	
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Linduhle Makubalo			0133784021	2650 Kgiso II, 0338	
Khumo Makgadi			0793995121	60504 Kgiso II	
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PHRAM gomo Rinmle	PHRAM gomo Rinmle	ediamilegmar.com	0610249353		

ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

Attendance Register for Public Open Day – Bakubung Tribal Hall, Ledig

12 August 2015

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Attendance Register for Public Open Day – Bakubung Tribal Hall, Ledig

12 August 2015

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ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

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12 August 2015

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ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

Attendance Register for Public Open Day – Bakubung Tribal Hall, Ledig

12 August 2015

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Kesibone Sisile			0719240338	P.O. BARATHO LEDIG 0338	<i>K.S. Sisile</i>
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BISHOP MOTHEBEDI			0212900035	PHAKRAMA LEDIG 19	
Kwenyama Kwolebege			081652 1361	SETUSECEN Section P.O. B1-RATHO Ledig 0338	<i>Kwenyama</i>
Vusimuzi Phini			0730275655		<i>V. Phini</i>
Thandi MTSWENI			0757807057	Sunfield Section Ledig 119	<i>Mtsweni</i>



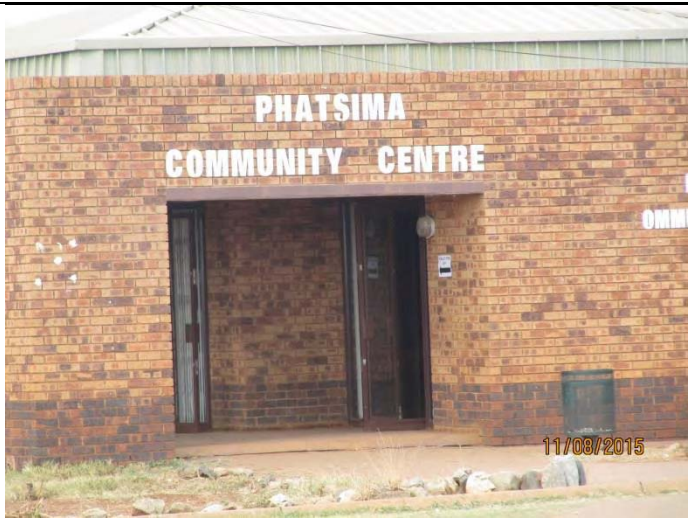

ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE



Attendance Register for Public Open Day – Bakubung Tribal Hall, Ledig

12 August 2015

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Reggie Morosiva			084 7295911		<i>[Signature]</i>
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Nkululeko Mkhize			07818553935	Ledig Section	<i>[Signature]</i>
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Table 1: Phatsima Public Open Day (11 August 2015)

Item	Description	Picture/Photo	
1	Layout and set-up of posters in the Phatsima Community Hall	 <p>11/08/2015</p>	 <p>11/08/2015</p>
2	Location of the Public Open Day- Phatsima Community Hall within the Phatsima Community Centre	 <p>11/08/2015</p>	 <p>11/08/2015</p>

Item	Description of the	Photos																																																																																																
3	Explanation of posters presented to community members	 <p>11/08/2015</p> <p>11/08/2015</p>																																																																																																
4	Interaction with community members and record of community contact details on attendance register	 <p>11/08/2015</p> <p>11/08/2015</p> <table border="1" data-bbox="1344 821 2004 1252"> <thead> <tr> <th colspan="6">ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE</th> </tr> <tr> <th colspan="6">Attendance Register for Public Open Day – Phatsima Hall, Phatsima</th> </tr> <tr> <th colspan="5"></th> <th>11 August 2015</th> </tr> <tr> <th>Name and Surname</th> <th>Company/ Affiliation</th> <th>Email</th> <th>Tel / Cell Number</th> <th>Postal Address</th> <th>Signature</th> </tr> </thead> <tbody> <tr> <td>REFILWE LINDOZILO</td> <td>SASCA</td> <td>Refilwe.lindozi@sasca.co.za</td> <td>076 9130 519</td> <td>P.O. Box 444 Pholegong</td> <td>[Signature]</td> </tr> <tr> <td>MANTHABO MOKOENA</td> <td>SASCA</td> <td>Mantlhabo.mokoena@sasca.co.za</td> <td>072 559 109</td> <td>P.O. Box 6012 R5B</td> <td>[Signature]</td> </tr> <tr> <td>Ms. Mary Mankhuro</td> <td>SASCA</td> <td>mary@sasca.co.za</td> <td>0711352602</td> <td>P.O. Box 21 Phatsima</td> <td>[Signature]</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> <p>SLR</p>	ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE						Attendance Register for Public Open Day – Phatsima Hall, Phatsima											11 August 2015	Name and Surname	Company/ Affiliation	Email	Tel / Cell Number	Postal Address	Signature	REFILWE LINDOZILO	SASCA	Refilwe.lindozi@sasca.co.za	076 9130 519	P.O. Box 444 Pholegong	[Signature]	MANTHABO MOKOENA	SASCA	Mantlhabo.mokoena@sasca.co.za	072 559 109	P.O. Box 6012 R5B	[Signature]	Ms. Mary Mankhuro	SASCA	mary@sasca.co.za	0711352602	P.O. Box 21 Phatsima	[Signature]																																																						
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Ms. Mary Mankhuro	SASCA	mary@sasca.co.za	0711352602	P.O. Box 21 Phatsima	[Signature]																																																																																													

Contacts of
Leaders details - Phatsima

083 487 4721 MAKI

079 376 5607 B. Bodo.

ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE
Attendance Register for Public Open Day – Phatsima Hall, Phatsima **11 August 2015**



Name and Surname	Company/ Affiliation	Email	Tel. / Cell Number	Postal Address	Signature
Aubrey Botswai			073 7303597	Phatsima 2020 Section 1105 0300	A. Botswai



ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

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11 August 2015

Name and Surname	Company/ Affiliation	Email	Tel. / Cell Number	Postal Address	Signature
Paul Seoke			0835176651		
Majanko dibe	Phatsima	dibe dyclaniel82@gmail.com	083 508 44 34	P.O 43 Phatsima 0351	

ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

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Name and Surname	Company/ Affiliation	Email	Tel. / Cell Number	Postal Address	Signature
MODISE S ECKE		mseeke@ymail.com	0818412765		

ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

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11 August 2015

Name and Surname	Company/ Affiliation	Email	Tel. / Cell Number	Postal Address	Signature
REFILIE RAMOSILO	SASSA	Refiliera@bassa.com.zw	076 9733 2519	P.O. Box 1444 Phokeng	
NMATHABO NORNE SASSA	PHATSIMA	Nmathabo@bassa.com.zw	072 22591571	P.O. Box 6213 RB	
NOLI MARY MUKHUBO	SASSA	noli@macomb.co.zw	0711883603	P.O. Box 21 Phatsima	
Mlanya NAIKED; NAIKED					
ELIZABETH ELIZABETHU SECONE			078 7689140	P.O. Box 23 Phatsima	
AHMAT TSHOSE	PHATSIMA		072 7784161	P.O. Box 628 Phatsima	
Lorraine Selemela	PHATSIMA		0733476738	P.O. Box 1528 Phatsima	
Basebi Ntswe	Phatsima		073505544	P.O. Box 503 Phatsima	
ZANUWA XABANZI	Phatsima	Mabel Xebanzi@gmail	0769879829	P.O. Box 151 Phatsima	
SAMUEL SEUWE	Phatsima	—	072 1150826	P.O. Box 957 Phatsima 0751	

ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

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Name and Surname	Company/ Affiliation	Email	Tel. / Cell Number	Postal Address	Signature
BALESEN S SESSOME			0725495051		B.M. SESSOME
Leneto Gume.			0738019492	322 Spera Mkhondo	Gume.
MARIA SUMAISO			0836218526	Mkhondo	Mkhondo
JANICA PACHUDU			0798624864	1803 Extension 2	O. Khatindya
WOLF S.M			0778577556	1821 Suncily 0316	
Magdeline Lantsopeng			0765239263	265 Sparamkhondo Sec	M.B.S.
Joseph Polelo			0733808643		
Veronica Madubvu			0783838246	1335 CHRISTHONEY SEC	K.V. Madubvu
Petrus Kondile			0782357255	Box 659 Phatsima location	
Timbare Eseei			0718460919	Box 417 Phatsima	

ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

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Name and Surname	Company/ Affiliation	Email	Tel. / Cell Number	Postal Address	Signature
Maria Mokupe			0835445672	Box 417 Phatsima	<i>[Signature]</i>
HENDRICK KEPY			0633511901	Box 7 PHATSIMA	<i>[Signature]</i>
JAN TOKWANA			0791412112		<i>[Signature]</i>
S. Mokoete			08118010-		<i>[Signature]</i>
Phyllis Mzelem			0717450301		<i>[Signature]</i>
Aron Mzelem			0755918036		<i>[Signature]</i>
Taleng Moss			013651464	Box 565 Phatsima	E.T. MOSS
Pauline Nonyonelo			0780083752	Box 585 Phatsima	<i>[Signature]</i>
KATLEGO MADIKOLEGI			0839773857		L.M
Sigisofo Mubese			0783870311		<i>[Signature]</i>

ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

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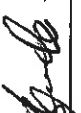




11 August 2015

Name and Surname	Company/ Affiliation	Email	Tel. / Cell Number	Postal Address	Signature
Sylvia Kondile			0780112383	1808 Phase 2.	<i>S Kondile</i>
FUNCE CHADINYANA			0790904112	9466 SUN-CITY	<i>Funche</i>
Rebecca Chake			0731437929	box 44 Phatsima	<i>RC</i>
SETSHESO MOREBATSI			0734719112	P.O.Box 600 PHATSIMA	<i>T-shesha</i>
MOREKIE MOREBATSI			0836969967	PO Box 620 PHATSIMA	<i>Morekietse</i>
Mkhahlele Makhale			0789100560	S82 Phatsima	<i>Mkhahlele</i>
SINNI MOPHUTINGA			0718022121	1467 PHATSIMA	<i>Moputinga</i>
Ripoldo Molapisi					
XENCENI VUSO			0784478601	269 PHATSIMA	<i>Vuso</i>
THLADHWA FEDILE			0710206033	637 Phatsima	<i>Fedile</i>

ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

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Name and Surname	Company/ Affiliation	Email	Tel. / Cell Number	Postal Address	Signature
Joseph Nkabi			071242270		
THEMBERA NOEHLI			0784890421		
C.A. Serekwa			0785430488		C.A. Serekwa
Mothusi Mphahlele			071809368	P.O. BOX 516 PHATSIMA 0351	
Letogang Mogeroli			078020073	P.O. Box Phatsima 935	L. Mogeroli
Zodwa Femele			073795333	Phatsima 1810	
Peter Chumou			078758474	Phatsima 41	
TEBOAO TUMAGE			0762212900	P.O. Box 200	
David Mokoena			0783890257	P.O. Box 666	
Abram Nonyelele			0762907440	P.O. Box 1670	

ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

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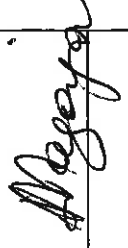

11 August 2015

Name and Surname	Company/ Affiliation	Email	Tel. / Cell Number	Postal Address	Signature
BEVEN . D . MFUNDISI			0782650882		B.D.Mfundisi
MIMI - A. KOEBERG			0765637721		<i>M. Koeborg</i>
Tshidi . R . malwentwa			0607658629		R. malwentwa
Zengile Majombos		Z.Majombos.g.mol.com	0798666389		Z.M.
ANNALI ZEMELE			0767046382		A.ZEMELE
THAPELO SENYI			0767046502		T. SENYI
REBECCA MASISI			0785440977		M.R. Masisi
Tiro Duke			0732622872		<i>T. Duke</i>
PETRONELLA MOLEKWA			0789787713		P. MOLEKWA

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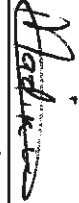
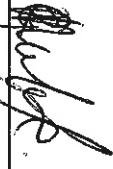



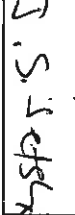
11 August 2015

Name and Surname	Company/ Affiliation	Email	Tel. / Cell Number	Postal Address	Signature
POOE ZELWA			082 930 5049	1563	Z.N. POOE
LETTA LETSHOLO			073 9194307	1562	L. LETSHOLO
MOBALOKI MATSHELE			0785602402	1560	
TSHIDI YOYO				1489	
KEA' LESA			0722142205	1496	K. LESA
NEO KGAJE			060 7340514	1572	
Lydieg Mogajane			076 227612	1363	
PETER MASHI	RLM	—	0849750288	1077	
Ponua Mubingeni			0717105239		P. Mubingeni
Letiape Pawina			060 3530727		P. Letiape

ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

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Name and Surname	Company/ Affiliation	Email	Tel. / Cell Number	Postal Address	Signature
INDOFU SIBONGILE	SASSA		076 8797815	P.O. BOX 444 P. H	
MILUCENE NEMUIKE			083354395	123 PHATSIMA	
ELIZABETH TSEGOTHE	Phatsima		07876 89810	1454 PHATSIMA SOC	
BIDA BOY SEKHOLO	PHATSIMA		011759321	957 Phatsima	
KOKETSO MADIKUONE	Phatsima		0719929192	1111 Phatsima	
GOMLEMO MOLEFE	Phatsima		0766793953	996 Phatsima	
DOMINY HLIV	Phatsima	phatsima@phatsima.co.za		147D Stone	
TSHEPO MUNDISI	Phatsima		0604587053	147D	
REBECCA TAYO	BIACLC		0731192228	159 Phatsima	
JULIA SETSOGOTSE	Phatsima		0—	1581 Skema	

ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

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Name and Surname	Company/ Affiliation	Email	Tel. / Cell Number	Postal Address	Signature
Refiloe Pooa			0791002688	P.O. Box 703 Phatsima 0351	
Hilda Mabe			0782215476	P.O. Box 1458 Phatsima 0351	Hilda
Dorothy Segone			0782261234	P.O. Box 1454 Phatsima	D. Segone
Adrey Segone			0789950819	1454 Phatsima	A. Segone
Dinah Mashiyane			0737467031	1480 Phatsima	D. Mashiyane
REBECCA MASHIYANE			0748257365	1480 Phatsima	R. Mashiyane
ABUENQ PHIRI			0730009499	1052 Phatsima	A. Phiri
MOTLALEPULA PHIRI			0730009499	1052 Phatsima	M. Phiri
Keleboque Ditsebe			0633183098	532 Phatsima	
Papi Mafepalo					

ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

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Name and Surname	Company/ Affiliation	Email	Tel. / Cell Number	Postal Address	Signature
Kedibone Mathepe			079795829 079795829	1511	Mathepe
Lena Mogakabe				1229	L. Mogakabe
Martha Letso			0783012 0990	P.O. BOX 652 Phatsima 0351	<i>[Signature]</i>
Caroline Molefe			0762200 141	P.O BOX 103 PHATSIMA 0351	<i>[Signature]</i>
Connie Hduwau			0752653051	S70 PHATSIMA	CNDUWU
Goodwill V. Nkomo			0849609008	PO BOX 282 PHATSIMA	<i>[Signature]</i>
Kedibone Sumato				476 Phatsi	<i>[Signature]</i>
CHRISTINA Molefe			07918 2225	2020 Section	M.C. Molefe
David Molefe			0835495672	House no 1074 P.O. Box 913 Phatsima 0351	<i>[Signature]</i>
Doikas M. MOLEFE			078 6131767	House 844	D.M. MOLEFE



ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

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Name and Surname	Company/ Affiliation	Email	Tel. / Cell Number	Postal Address	Signature
EMILY THOSE	Company				
TIMERO MASUFA			0789551055	P.O. BOX 597 PHATSIMA	T.E.M.
Suzan Matheswari			071951101	P.O. BOX 1747 Phatsima	S Matheswar
COLLEH M.C. NIEMBI			0755658872	P.O. BOX 34 PHATSIMA	EXT 3
Evelyn Seacoe			-	-	seacoe
Bonang MAGANO			0786766994	-	Sahaja
Elizabeth MUNDIS			0782113943		EMUNDIS
EUNICE GIABINYANA			0790904112	P.O. BOX SUN-CITY 1426	ELIASINYANA
Abneyhehe			0769443287		abneyhehe
VICTOR PHAKAPI			0799749750		





ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE
Attendance Register for Public Open Day – Phatsima Hall, Phatsima **11 August 2015**

Name and Surname	Company/ Affiliation	Email	Tel. / Cell Number	Postal Address	Signature
Jacobeth Mokohe					
Zula Mankomo					
Kaetse Mankhe			060794115		K. Mankhe
Fobago Mankhe					T. Mankhe
Fraue Kepu	IKASEH CORECENTRE		0732391267	1218 Phatsima Section	[Signature]
SELLO MBULA	PRESTIGE		0734049000	P.O.B 601 PHATSIMA	[Signature]
Regina Segona			0834909166	1454 Phatsima	R. Segona
MMAKHEKO SEGONAI			0607710642	27 PHATSIMA	M.M. Segona
Ontlamele Seathodi Iteteng			071740168	137 Phatsima	[Signature]
Moshugt	ROSE		1508		Moshugt

ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE

Attendance Register for Public Open Day – Phatsima Hall, Phatsima






11 August 2015

Name and Surname	Company/ Affiliation	Email	Tel. / Cell Number	Postal Address	Signature
Betsi Modikoko			073 5702 477		
PATRICIA SIGASHU			078 9376518		
JORCIA SIGASHU			078 8187 336	Phatsima 797	
ISHIRELEISOMJALA			0606355399	498 Phatsima	
DILELEDI NDABA		bylesunabditel@rediffmail.com	07235149376 07235149376	250 Phatsima	D's. N. Daba
Dude Iophoto			060 4195130	1544 Phatsima	
Margeline Mogobela			06239621957	623 Phatsima	M Mogobela

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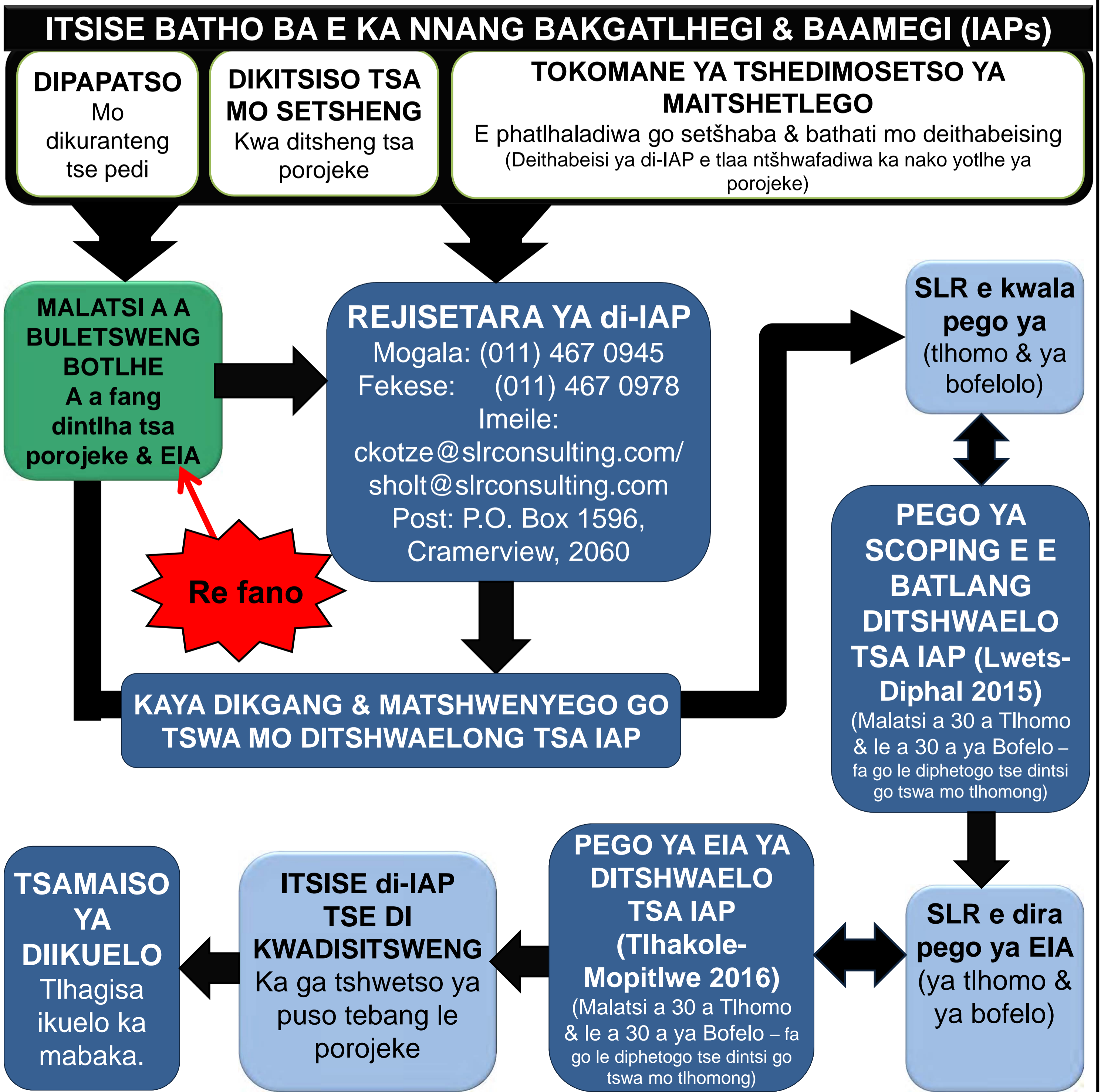
11 August 2015

Name and Surname	Company/ Affiliation	Email	Tel. / Cell Number	Postal Address	Signature
Sonannes CHAKA			079 3529475	P.O. Box 140 PHATSIMA	
Sorah Mthlajoe			0785747303	P.O. Box 570 Phatsima	
Peen Letlape			0782630032	Phatsima-1215	
Tshegetso Rabinouli			0621376886	Phatsima 14 0361	T Rabinouli
Samuel Kodo			0782265607	Phatsima	
Dinah motlatlame			073521703	312 Phatsima	DM.
Lebogang kobedi			0736400213	Ex 2 Phatsima 1630	

DIKOPO TSA TIKOLOGO TSA DIPHETOGO TSA MAFARATLHATLHA KWA BAKUBUNG PLATINUM MINE

TIREGO YA BOTSAYAKAROLO JWA SETŠHABA

SLR e tlaa tsamaisa Tirego ya Botsayakarolo jwa Setšhaba jwa porojeke.
Ditshono tsa go tsaya karolo ga setšhaba di bontshitswe fa tlase:



- **Correspondence to land owner**

Date: 12 September 2015
Our Ref: 710.23001.00007
Attention: **Bakubung Ba-Ratheo**

NOTIFICATION TO LANDOWNER OF THE LAND ON WHICH THE ACTIVITY IS TO BE UNDERTAKEN

In terms of the requirements of sub-regulation 39(1) of the Environmental Impact Assessment Regulations, 2014 (GNR 982 of 4 December 2014).

Kindly note that:

This document should be attached as an appendix to:

- The application form for **Environmental Authorization** in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (as amended) or
- The application form for a **Waste Management Licence** in terms of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008).

1. DETAILS OF APPLICANT

Project applicant:	Bakubung Minerals (Pty) Ltd		
Trading name (if any):	Bakubung Minerals (Pty) Ltd		
Contact person:	Eddie Mofhlabi		
Physical address:	Bakubung Platinum Mine, R565, near Ledig, North West		
Postal address:	Private Bag X16 NORTHLANDS		
Postal code:	2116	Cell:	
Telephone:	011 994 4600	Fax:	011 994 4600
E-mail:			

2. DETAILS OF LANDOWNER OR PERSON IN CONTROL OF THE LAND

(where the applicant is not the landowner or person in control of the land)

Landowner or person in control of the land:	Bakubung Ba-Ratheo		
Contact person:	Kgosigadi Margaret Monnakgotla		
Postal address:	Office of the Kgosi, P.O. Barattheo, Ledig		
Postal code:	0338	Cell:	076 215 8787
Telephone:	(014) 551 3925	Fax:	086 726 2841
E-mail:	Bakubungroyal@gmail.com		

3. PROJECT AND PROPERTY DETAILS

Project title:

Environmental Applications for Changes to Infrastructure at Bakubung Platinum Mine, Ledig, North West Province

Property description:

Remaining extent and portions 1, 3, 4, 11 of the farm Frischgewaagd 96 JQ;

Portions 2, 3, 4, 5, 6, 7 and the remainder of the farm Ledig 909 JQ;

The remainder of the farm Mimosa 81JQ.

(Farm name, portion etc.) Where a large number of properties are involved (e.g. linear activities), please attach a full list to this application.

Town(s) or district(s):

Physical (street) address of project:

Bakubung Platinum Mine, R565, near Ledig, North West

4. CONSENT OF LANDOWNER

I/we the undersigned (*insert the name/s of the owner/s of the land*)

Bakubung Ba-Ratheo _____

of identity number/registration number (*insert the owner/s ID number/s or the registration number of the legal entity*)

N/A _____

am/ are the registered owner/s of the property (*insert description of the property/ies and title deed numbers*) _____ **Portions 2, 3, 4, 5, 6, 7 and remainder of the farm Ledig 909 JQ and Portions 1, 3, 4, 11 of the farm Frischgewaagd 96 JQ**

located at (*insert physical address or a brief description of the location of the property*) _____

Bakubung Platinum Mine, R565, near Ledig, North West

I/ we hereby give consent to the applicant (*insert the name/s of the applicant/s*)

Bakubung Minerals (Pty) Ltd _____

of identity number/registration number (*insert the owner/s ID number/s or the registration number of the legal entity*) _____

to undertake the following activity/ies on the property (*insert a brief description of the project and identified activity/ies that will be applied for*):

The proposed project will involve the following changes to the approved Bakubung Platinum Mine (note that this is a preliminary list):

- **The construction of a larger tailings dam on the farm Mimosa 81JQ. The area will increase from 142 ha to approx. 166 ha. The height will be approx. 44m;**
- **A tailings pipeline between the mine and the tailings dam;**
- **An increase in the capacity of the concentrator plant from 230 000 tons per month to approx. 265 000 tons per month;**
- **Increased capacity of the mine product stockpiles;**
- **Relocation of the ore crusher from underground to the surface;**
- **Inclusion of the minerals in the waste rock into the mining licence, as the waste rock may potentially be crushed and sold as aggregate;**
- **Construction of erosion control measures along watercourses within the mine;**

- Storage and handling of dangerous goods such as diesel and reagents on site;
- Various pipeline and road crossings over watercourses, including a bridge crossing;
- New sewage and water pipelines;
- New internal mine roads;
- Ventilation shafts and raise boreholes;
- Generators or possibly a solar power plant on site, for back up ventilation; and
- The construction of phase 1a of the mine housing.

The following water uses will take place, which will require an amendment to the Bakubung Platinum Mine's Water Use Licence:

- *Storing of water (not containing waste)* – storing water in water reservoirs;
- *Impeding or diverting the flow of water in a water course, and altering the bed banks, course, or characteristics of a watercourse* – various watercourse crossings including a bridge, and erosion control measures;
- *Disposing of waste in a manner which may impact on a water resource* – tailings dam, return water dams, storm water dams, pollution control dams, settling dams, waste rock dumps, sewage treatment plant, ore stockpiles, dust suppression with water;
- *Removing, discharging or disposing of water found underground if it is necessary for the efficient continuation of an activity, or for the safety of people* – dewatering the mine shafts.

The following waste activities will take place, which will require a Waste Management Licence:

- The tailings dam;
- Waste rock dumps;
- The salvage yard (temporary storage of general and hazardous waste).

Signature of land owner or authorised representative



Name of authorised person if the landowner is a legal entity KGOSI GADI MARGARET MONNAKOOTEA

14 SEPTEMBER 2015

Date

- **Summary document of the scoping report submitted to IAPs and regulatory authorities in English, Setswana and Zulu**

SETSWANA TRANSLATION OF THE EXECUTIVE SUMMARY OF THE SCOPING REPORT FOR THE ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE, LEDIG, NORTH WEST PROVINCE

Matseno le Tihaloso ya Porojeke

Wesizwe Platinum Limited (Wesizwe) ke mong wa Moepo wa Polatinamo wa Bakubung, e leng moepo o ga jaana o dirang tiro ya go epa kwa polaseng ya Frischgewaagd 96JQ (Dikarolo 3, 4 le 11). Moepo ono o fitlhelwa gaufi le Ledig, kwa borwa fela jwa Serapa sa Diphologolo sa Pilanesberg le Sun City kwa Porofenseng ya Bokone Bophirima. Go tlile go epiwa mafelo a mabedi a Dielemente Tsa Ditlhophha Tsa Polatinamo - polatinamo, palladium, rhodium le gouta, mme koporo le nikele e le dikuno tse di tlhagang go tswa mo go tsone. Lefelo la porojeke eno le wela mo go Masepala ba Selegae wa Rustenburg le wa Moses Kotane, e leng Bomasepala ba Masepala wa Kgaolo wa Bojanala. Go tlametswe mmapa wa lefelo leno mo Setshwantsho 0-1.

Ka 2008, Wesizwe e ne ya diragatsa thulaganyo ya Tlhatlhobo ya Ditlamorago mo Tikologong kgotsa Environmental Impact Assessment (EIA) gore go tlhabololwe Moepo wa Polatinamo wa Bakubung. Moepo wa Polatinamo wa Bakubung o ne wa amogela Tumelelo ya Tikologo ka 2009, go ya ka Molao wa Naga wa Taolo ya Tikologo (Molao wa bo 107 wa 1998) (NEMA) le Molaola wa Tlhabololo ya Dikuno Tsa Diminerale le Petoroliamo (Molao wa bo 28 wa 2002) (MPRDA). Laesense ya Tiriso ya Metsi (WUL) e ne ya abiwa go ya ka Molao wa Naga wa Metsi (Molao wa bo 36 wa 1998) (NWA) ka 2010.

Le fa tiro ya go aga e simolotse kwa Moepong wa Polatinamo wa Bakubung, ga se dikago tsotlhe tse di setseng di agilwe. Tiro ya go epa ga e ise e simolole. Jaanong Wesizwe e akantsha go dira diphetogo di le mmalwa mo moepong o o setseng o letleletswe. Diphetogo tseno di a tlhokega e le go kgona go lebana le go oketsega ga go tlhagisiwa ga manya, go akaretsa le dithulaganyo tse dingwe tse di thusang. Diphetogo tse di akantshiwang di tlile go tlhoka Ditumelelo Tsa Tikologo tse dingwe gape, Laesense ya Taolo ya Leswe (WML) le ditiriso tse dingwe gape tsa metsi tse di tlhokang go fetolwa WUL ya tsone ya ga jaana. Gape Wesizwe e na le tshwanelo ya ga jaana ya moepo mme jaanong e akantsha go akaretsa leswe la maje mo tshwanelong ya yone ya ga jaana ya moepo, gore e kgone go rekisa leswe la maje ka kakaretso. Seno se tlile go tlhoka gore go dirwe phetogo mo tshwanelong ya yone ya moepo.

Go akantshiwa diphetogo tse di latelang mo Moepong wa Polatinamo wa Bakubung:

- Go agiwa ga polokelo e kgolwane ya Tailings Storage Facility (TSF) mo polaseng ya Mimosa 81JQ. Bogolo wa lefelo leno bo tla oketsega go tloga go 142 ha go ya go ~ 166 ha. Boleele e tla nna ~ 44m;
- Mafaratlhatlha a dipeipe magareng ga moepo le TSF (a a tla kgabaganyang mo metsi a elelang gone);
- Go oketsa bogolo jwa polante ya setlhaolodi go tloga go ditone di le 230 000 ka kgwedi go ya go mo e ka nnang ditone di le 265 000 ka kgwedi;
- Go oketsa bogolo jwa kokoanyo ya dikuno tsa moepo;
- Go fetola lefelo la sethugi go tswa kwa tlase ga moepo go tla fa godimo ga moepo;

- Go akaretsa diminerale mo lesweng la maje mo laesenseng ya moepo, e re ka leswe la maje le ka nna la thugiwa le bo le rekisiwa ka kakaretso;
- Go tlhamiwa ga mokgwa wa go laola kgogolombu mo metsi a elelang teng mo teng ga moepo;
- Go boloka le go dirisa dithoto tse di kotsi tse di jaaka desile le maokwane a mongwe mo setsheng;
- Mafaratlhatlha a a sa tshwaneng a dipeipi le ditsela tse di kgabaganyang mo metsi a elelang teng, go akaretsa le marogo a kgabaganyetso;
- Serwitšhe le dipeipe tse dintšhwa tsa metsi;
- Matamo a a Laolang Kgotlelo;
- Go tlhama le go busa matamo a metsi;
- Ditsela tse dintšhwa mo moepong (dingwe tsa tsone di tlile go kgabaganya mo metsi a elelang gone);
- Dishafote tse di fetlhang mowa le go dira dikhuti tse di gopang metsi;
- Dijeneretara kgotsa gongwe polante ya maatla a letsatsi mo setsheng, go nna maatla a tlaleletso a motlakase;
- Lefelo la polokelo ya nakwana ya leswe le le tlwaelegileng le leswe le le kotsi; le
- Go agiwa ga legato 1a la matlo mo moepong le thibelo ya modumo (e e tla kgabaganyang mo metsi a elelang gone).

SLR Consulting (Africa) (Pty) Ltd (SLR), e leng setlamo se se ikemetseng ka nosi sa bagolagani ba tsa tikologo, se tlhomile Wesizwe go dira tiro ya go tlhatlhoba tikologo malebana le porojeke eno e e akantshiwang.

Go akanyediwa ditsela tse dingwe mo porojekeng

E re ka Moepo wa Polatinamo wa Bakubung o setse o neilwe tumelelo e bile kago e setse e tswelletse, ditsela tse dingwe tse di ka akantshiwang di lekanyeditswe. Bontsi jwa diphetogo tse di akantshiwang mo thulaganyong ya kago ya moepo ke tse di ka ga dikoketso mo dikagong tse di setseng di letleletswe mme ka jalo lefelo ga le kitla le fetoga. Lefelo la dikago tse dintšhwa gape le kwa lefelong la dikago tse di setseng di letleletswe, ka sekai, go rulagantswe gore matlo a a oketsegileng mo moepong a agiwe go bapa le matlo a a setseng a letleletswe a moepo; lebentlele la desile le tla nna mo lefelong le le letleletsweng la shafote ya moepo. Mafelo a mangwe a a ka nnang botoka go gaisa a amana le tselana ya dipeipe tsa leswe.

Mafelo a mangwe a a ka nnang a dirisediwa tselana ya dipeipi tsa leswe (Tlhopho 1A – tselana ya bokone, Tlhopho 1B – tselana ya bogareng le Tlhopho 2 – tselana ya borwa) a sekasekilwe le go tlhatlhabiwa. A tlhaloso fano fa tlase:

Tlhopho 1 A – Tselana ya Bokone

Mola wa dipeipi o tswa mo polanteng ya setlhaodi ka fa molelwane wa borwa, go tswa foo o tlhamalela kwa bophirima go bapa le molelwane wa borwa wa polante mme o kgabaganya mmila wa porofense wa Rustenburg wa R565 Rustenburg. Go tswa foo o feta ka fa tlase ga megala ya motlakase ya Eskom o obega go ela kwa borwa botlhaba go ya ka lefelong la polokelo ya leswe.

Pele fela ga o kgabaganya tsela mola wa dipeipe o tla bo o le kwa lefatsheng la morafe wa Bakubung Ba Ratheo. Fano o tshwanetse go kgabaganya melatswana e mebedi ya Noka ya Elands. Mabala ano a metsi a magolo tota, mo go dirang gore go a kgabaganya e nne boleele jwa 400m. Gape mola ono wa dipeipi o feta

kafa tlase ga megala ya motlakase ya Eskom, e seng ka sekhutlwana se se siameng go na le moo o a obega.

Go tswa fano tsela e elelela go fitlha kwa TSF mo polaseng ya Mimosa 81 JQ.

Melemo

- Bontsi jwa ditselana tsa dipeipe di fitlhelwa mo teng mo lefelong la moepo, kgotsa mo nageng e e leng ya Wesizwe. Seno se ka ya gore Wesizwe e tlike go tlhoka go buisana le mong a le mongwe fela wa naga (Bakubung Ba Ratheo) le motshwari a le mongwe wa tshwanelo ya moepo (Maseve Investments) mo tselaneng eno ya dipeipe.

Mathata

- Mabala a a sephara thata wa metsi a 400m, ka melatswana e mebedi go e kgabaganya.
- Go tlhokega mekgwa e e oketsegileng ya go itshireletsa fa go kgabaganngwa kafa tlase ga megala ya motlakase ya Eskom e e obegang.

Tlhopho 1 B – Tselana ya Bogareng

Tselana eno ya dipeipe le yone e tswa kwa lefelong la polante ya setlhaodi kwa molelwaneng wa borwa, go tswa foo e tlhamalela kwa borwa bophirima go tswa mo polanteng go ya kwa mmileng wa porofense wa Rustenburg wa R565. Go tswa foo tselana e kgabaganya ka fa tlase ga mela ya motlakase ya Eskom ka sekhutlo sa didikirii di le 90, fela pele e feta kafa tlase ga R565. Go tswa foo e tswela jalo go ya borwa bophirima go ya kwa lefelong la polokelo ya leswe.

Fela fa dipeipi di sena go kgabaganya mmila di tla bo di le mo lefatsheng la morafe wa Bakubung Ba Ratheo. Fano e tshwanetse go kgabaraganya molatswana o le mongwe wa Noka ya Elands. Go kgabaganya lebala la metsi la molatswana ono go ka nna boleele jwa 40 m.

Go tswa fano tsela e elelela go fitlha kwa TSF mo polaseng ya Mimosa 81 JQ.

Melemo

- Bontsi jwa ditselana tsa dipeipe di fitlhelwa mo teng mo lefelong la moepo, kgotsa mo nageng e e leng ya Wesizwe. Seno se ka ya gore Wesizwe e tlike go tlhoka go buisana le mong a le mongwe fela wa naga (Bakubung Ba Ratheo) le motshwari a le mongwe wa tshwanelo ya moepo (Maseve Investments) mo tselaneng eno ya dipeipe.
- Tselana eno e feta molatswana o le mongwe fela wa Noka ya Elands mme e feta mo lebaleng le le tshesane la metsi go feta la Tlhopho 1A.
- Tselana eno e feta ka fa tlase ga megala ya motlakase ya Eskom ka dikhutlo tse di tshwanetseng mo go fokotsang go tlabolwa ke motlakase le go fusa ga ditshipi.

Mathata

- Go sa ntse go tlhokega go kgabanya molatswana o le mongwe wa metsi mo tselaneng eno.

Tlhopho 2 – Tselana ya Borwa

Tsela eno e tswa lefelo la setlhaodi kafa molelwaneeng wa borwa mme e tlhamalela kwa borwa go kgabaganya Noka ya Elands mo lefelong le le tshesane, mo e ka nnang bophara jwa 120m. Fano e leba borwa bophirima, e feta kafa godimo ga lefelo la Maseve Investment, e feta ka tlhamalalo kafa tlase ga e megala ya Eskom, teng mo lefelong la Maseve Investment, go tswa foo e feta kafa tlase ga mmila wa porofense wa Rustenburg wa R565.

Go tswa mo R565 dipeipi di kgabaganya lefatshe la morafe wa Bakubung Ba Ratheo, go tswa foo di bo di kgabaganya Noka ya Elands, lekgetlho la bobedi. Le fano go kgabaganya e ka nna ga boleele jwa 120m. Go tswa fano tsela e elelela go kgaganya lefatshe le morafe wa Bakubung Ba Ratheo go ya kwa TFS mo lefelong la polase ya Mimosa.

Melemo

- Noka e kgabaganngwa mo go leng go sesane (ga go na mabala a a sephara a metsi).
- Gape tselana eno e feta ka fa tlase ga megala ya motlakase ya Eskom ka dikhutlo tse di tshwanetseng mo go fokotsang go tlabolwa ke motlakase le go fusa ga ditshipi.

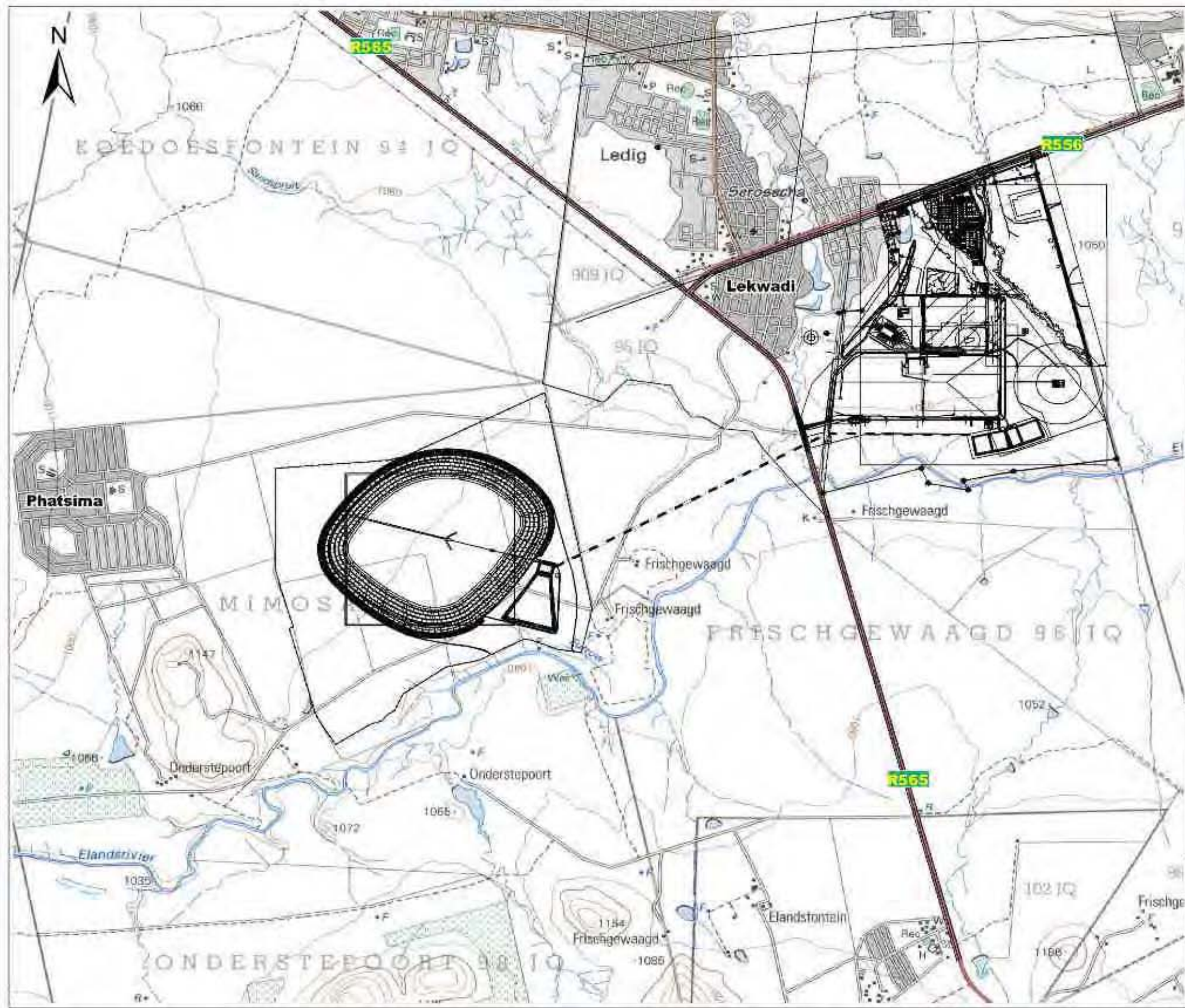
Mathata

- Go buisana le beng ba babedi ba naga (Maseve Investments le Bakubung Ba Ratheo) le beng ba babedi ba ba nang le tshwanelo ya moepo (Royal Bafokeng le Maseve Investments) mo tselananeg eno ya dipeipi.
- Go kgabaganya dinoka tse pedi tsa Noka ya Elands.

Kwa lefelo la go tlhodumela, tselana ya bogare ya dipeipe tsa leswa ya 1 B e lebega e le yone tsela e nngwe e e tla felelang ka gore go se nne le ditlamorago tse dikgolo mo tikologong. Le fa go ntse jalo, thulaganyo ya bofelo ya diphetogo tse di akantshiwang mo dikagong kwa Moepong wa Polatinamo wa Bakubung o tla tlhalosiwa ke diphelelo tsa dipatlisiso tsa bomankge, dipuisano tse di tswelelang le batho ba ba kgatlhegang le ba ba amegang go akaretsa le bothati jwa tsa tikologo.

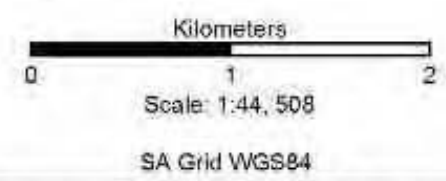
Tlhopo ya go tsene

Go dumelana le Melao ya NEMA, mokgwa o mongwe wa thulaganyo ya go se tsene o tlhoka go tlhotlhomisiwa le go tlhatlhabiwa. Mokgwa o mongwe wa thulaganyo ya go tsene o tla kaya gore diphetogo mo dikagong kwa Moepong wa Polatinamo wa Bakubung di se ka tsa diragadiwa mma ka jalo ditlamorago tse di sa itumediseng mo tikologong le mo setsong ga di nna di diragala. Mokgwa ono o mongwe o tlele go tlhoka go bapisiwa le diphitlhelelo tsa EIA le melemo e e ka nnang teng mo ikonoming ya setšhaba tse di ka nnang teng ka ntho ya porojeke eno. Seno se tlele go tlotliwa go ya pele mo legatong la EIA la porojeke eno.



Legend

- Main Roads
- Secondary Roads
- Other Access Roads
- Power Line
- Rivers and Streams
- 20m Contour Lines
- Cultivated Areas
- Built-up Areas
- Pipeline
- Mine Layout



BAKUBUNG (WESIZWE) EIA

Fig Locality Map

Regional Locality Map



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September 2015

SETSHWANTSHO 0-1: MMAPA WA LEFELO WA POROJEKE E E AKANTSHIWANG (O BONTSHA TSELANA E E AKANYEDIWANG YA TSF YA DIPEIPE)

Tlhaloso mo Tikologong e e Amegang

Go ya ka tikologo e e amegang mo porojekeng eno e e akantshiwang, mafelo mangwe a a tlhageletseng ke ditsha tsa ngwaoboswa tse di leng mo lefelong la porojeke tse di ka tswang di le gaufi le setsha se sentšhwa sa TSF. Gape go na le mafelo a metsi a Freshwater Ecosystem Priority Areas gaufi le lefelo la polante le lefelo la TSF, a a tlileng go tlhoka go lekannngwa sentle. Noka ya Elands le dikago tse di tlileng go agiwa gaufi le noka le tsone ke tsa botlhokwa e re ka Noka ya Elands e tsewa e le ya botlhokwa jo bogolo mo polokong ya dilo tsa tlholego.

Tikologo e e amegang e tlile go batlisisiwa ka botlalo mme ditlamorago tsa porojeke mo tikologong di tlile go tlhatlhabiwa ka botlalo mo legatong la EIA la porojeke. Dipatlisiso tsa bomankge di tla dirwa go tlhatlhoba ditlamorago tsa porojeke mo dilong tse di latelang: metsi a kafa tlase ga lefatshe, metsi a a kafa godimo ga lefatshe, boleng jwa mowa, ngwaoboswa, modumo, loago, mbu, leswe, dijalo, malomo le mafelo a metsi.

Diphelelo Tsa go Ikgolaganya le Batho ba ba Kgatlhegang Le ba Ba Amegang

Boikgolaganyo le setšhaba go dirilwe ka dipapatso, dikitsiso tsa setsha, malatsi a a bulegelang metlotlo me dikopano tse di maleba tsa bothati. Ditokumente tsa tshedimose tso ya diteng (di BID) di ne tsa phasaladiwa go Batho ba ba Kgatlhegang le ba ba Amegang (di IAP) di naya tshedimose tso ya kwa tshimologong ya porojeke le go laletsa maloko go a setšha go ikwadisa go nna di IAP le go tsaya karolo mo thulaganyong ya EIA.

Dingwe tsa dintlha tsa konokono tse di neng tsa tlhalosiwa ke di IAP ka nako ya lekola di ne di akaretsa: go se dira ga baagi ba metse eno le ditshono tsa ditiro mo nakong e e tlang mo moepong, ditshono tsa go ithuta le go dira jaaka baithuti mo moepong, go tlhomamisa gore baagi le baetapele ba bone ba nawa tshedimose tso ka tsela e e tshwanetseng ka porojeke, gape boikgolaganyo bo tshwanetse jwa dirwa le ka SeZulu go tloga jaanong go ya pele, dintlha kaga matlo mo moepong, ditlamorago tsa porojeke mo: selekanyo sa lerole, diphologo mo Serapeng sa Diphologolo sa Pilansberg, kgotlelo ya meso, ngwaoboswa, boitekanelo, ditlamorago tsa dithuntsho, mafulo mo mafelong a matamo a leswe.

Dipatlafalo Tsa Semolao Tsa Tikologo

Pele ga go simololwa ka porojeke eno e e tshitshinngwang, go tlhokega tumelelo ya tikologo go tswa mo maphateng a a farologaneng a puso. Ano a akaretsa:

- Phetolo ya tshwanelo ya moepo go ya ka Karolo 102 ya MPRDA e e laolwang ke DMR. Seno se akaretsa leswe la maje le phetogo mo EMP e e setseng e le gone.
- Tumeleleo ya tikologo go tswa go DMR go ya ka NEMA. Porojeke eno e e akantshiwang e akaretsa ditiro di le mmalwa tse di kwadiiweng ts tikologo. Melao ya EIA e e latelwang mo porojekeng eno ke Molao 983, 984 le 985 (Melao ya EIA ya Sedimonthole 2014).
- WML go tswa go DMR go ya ka NEMWA.
- Phetogo ya WUL go tswa go Lephata la Metsi le Bophepa go ya ka NWA go ya ka Karolo 21(b), 21 (c), 21(i), 21(g) le 21(j).

Ditumelelo/ditethelelo dipe fela tse dingwe tse di tlokegang mo porojekeng eno di tla lemogiwa ka nako ya tiragatso ya tlathlho bo ya tikologo. Lenaane ka botlalo la dipatlafalo tse di ntseng jalo le tla tlamelwa mo pegong ya EIA le EMP.

Ditlamorago mo Tikologong

Legato la go lekola le naya selekanyo sa tekolo sa go bona ditlamorago tse di ka nnang gone mo tikologong (ka tlhamalalo, mo tsa thutushelo, mo leagong le ikonomi). Lenaneothalo le le fa tlase le bontsa lenaane la ditlamorago tse dikgolo tse di lemogilweng mo EAP kgotsa tse di tlhagisitsweng ke di IAP, go akaretsa le mekgwa e e ka nnang teng ya taolo le phokotso ya bomasisi jwa dilo. Selekanyo sa dikotsi morago ga taolo kgotsa phokotso ya bomasisi jwa seno le gone go a lekanyediwa. Seno setla baakanngwa mo legatong la EIA ka dikakantsho tsa bomankge tse di tshwanetseng.

TABLE 0-1: MEKGWA E E KA NNANG TENG YA PHOKOTSO YA BOMASISI LE SELEKANYO SE SE LEBELETSWENG SA DIKOTSI

TIRO	DITLAMORAGO TSE DI KA NNANG GONE	TSELA YA GO FOKOTSA BOMASISI KGOTSA DITSELA TSE DINGWE	BOGOLO JWA DITLAMORAGO Morago ga Phokotso ya Bomasisi kgotsa Ditsela Tse Dingwe (Dikotsi)
Diphetogo mo dikagong tsa Moepo wa Polatinamo wa Bakubung di akaretsa:	Go latlhegelwa ke dikuno tsa diminerale	Mekgwa e e akanyediwang ya go fokotsa bomasisi e akaretsa: <ul style="list-style-type: none"> Lefelo la kago le ka nna la fetolwa fa go fitlhelwa gore lefelo leno le ka tswa le baka kgotlelo nngwe ya motswa mo dikunong tsa diminerale. 	Tlase
<ul style="list-style-type: none"> Letamo le legolwane la leswe 	Mafelo/dikago tse di kotsi	<p>Boikaelelo: thibela kotsi mo dikarolo tse dingwe le mo diphologong go tswa mo dikagong tse di kotsi.</p> <p>Mekgwa e e akanyediwang ya go fokotsa bomasisi e akaretsa:</p> <ul style="list-style-type: none"> Taolo ya go tsena, magora le matshwao a a tlhagisa mo mafelong a a kotsi Tlhama, tsamaisa le go baakanya mafelo a leswe ka tsela e e tla akanyetsa dikotsi tsa tshireletsego mo bathong le diphologong Go baya leitlhe le go baakanya morago ga go tswala go tlhatlhoba gore boikaelelo jo bo maleba jwa lobaka lo lolelele jwa tshireletsego bo a fithelelewa le go lemoga gore go tlhokega gore go tseregannngwe le go feta mo boikaeleo bo sa fithelelwang gone. 	Tlase
<ul style="list-style-type: none"> Koketso ya bogolo jwa poloante ya setlhoadi plant 	Go latlhelwa ke dikuno tsa mbu le bokgoni jwa mbu jwa go tlhagisa dijalo ka nthla ya kgotlelo	<p>Boikaelelo: thibela kgotlelo ya mbu ka go tshololwa ga dilo ka phoso le kgotsa go dutla ga didiriswa.</p> <p>Mekgwa e e akanyediwang ya go fokotsa bomasisi jwa kgotlelo e akaretsa:</p> <ul style="list-style-type: none"> Lefelo la motheo le le kgonang go boloka dilo tse di kgotlelang Go thapisa badiri gore ba thibele kgotlelo Go baakanya didiriswa le dikoloi Go phephatsa ka bonako le ka tsela e e nang le matswela dilo tse di tsholeletsweng fa fatshe Tsela e e molemo ya loala leswe. 	Tlase
<ul style="list-style-type: none"> Go oketsa 	Go latlhegelwa ke dikuno tsa mbu le bokgoni jwa mbu jwa go tlhagisa dijalo ka nthaya dikgoreletsi tse di bonalang	<p>Boikaelelo: fokotsa go latlhegelwa ke dikuno tsa mbu le ditiro tse di amanang le seno ka kgoreletso e e bonalang, kgogolombu le go papetlelela.</p> <p>Mekgwa e e akanyediwang ya go fokotsa bomasisi e akaretsa:</p> <ul style="list-style-type: none"> Lekanyetsa dilo tse di tloswang mo setsheng Tlhama le go dirisa leano la go laola mbu le le tla lepanang le dikgang tsa go tloswa ga mbu, dithothobolo le ntšhwafatso ya mbu. 	Tlase

TIRO	DITLAMORAGO TSE DI KA NNANG GONE	TSELA YA GO FOKOTSA BOMASISI KGOTSA DITSELA TSE DINGWE	BOGOLO JWA DITLAMORAGO Morago ga Phokotso ya Bomasisi kgotsa Ditsela Tse Dingwe (Dikotsi)
<p>bogolo jwa kokoanyo ya dikuno tsa moepo</p> <ul style="list-style-type: none"> Go fetola lefelo la sethugi sa manya go tswa kwa tlase ga lefatshe go tla fa godimo Go akaretsa dimineraele mo lesweng la maje mo laesenseng ya moepo 	<p>Tsheny e e bonalang ya dilo tsa methalethatle tsa tiholego</p> <p>Kgoreletso ka kakaretso mo dilong tsa tiholego</p> <p>Go fetola ditebeo tsa tsamaiso leswe</p>	<p>Boikaelelo: thibela tatlhego e e sa amogelesegeng ya dilo tsa tiholego le tiro ya thulaganyo ya thoka ka tsenyo e e bonalang.</p> <p>Mekgwa e e akanyediwang ya go fokotsa bomasisi e akaretsa</p> <ul style="list-style-type: none"> Lekanyetsa dilo tse di tloswang mo setsheng Tlhama leano la go tlosa dilo mo setsheng le le tla buang ka go thalela lefelo le le tlieng go tloswa, go fudsa dilo dipe fela tsa bothokwa tse di sireleditsweng ka dikatlenegiso tse di tshwanetseng le go thabololwa ga mafelo a a sa tiholeng a diriswa Tla mafelo a a bosisi gotlhe ka mo go ka kgonegang Tlhabololo e e nang le matswela go fitlha bokgakaleng jwa go tlhabolola dilo pele ga moepo fa go kgonega. Akanyetsa go tlhophisa tselana ya Tlhopho 1B ya dipeipi tsa leswe. <p>Boikaelelo: thibela kgoreletso e e sa tlhokegeng ya dilo tse di farologaneng tsa thutotshelo le ditiro tse di amanang le dilo tsa tiholego.</p> <p>Mekgwa e e akanyediwang ya go fokotsa bomasisi e akaretsa:</p> <ul style="list-style-type: none"> Go thapisa badiri ka bothokwa jwa dilo tse di farologaneng tsa tiholego Go se letlelele go gobatsa le go rwalela dimela le dijalo Lekanyetsa kgoreletso ya lesedi le modumo go ya bokgakaleng jo bo ka kgonegang Taolo e e nang le matswela ya leswe le thibelo kgotlelo Tlhabololo e e nang le matswela go fitlha bokgakaleng jwa go tlhabolola dilo pele ga moepo fa go kgonega. Akanyetsa go tlhophisa tselana ya Tlhopho 1B ya dipeipi tsa leswe. <p>Boikaelelo: fokotsa kgoreletso mo melatswaneng le mo dilong tse di gopang metsi le go fokotsa badirisi ba kelelo ya melatswana e e kwa tlase.</p> <p>Mekgwa e e akanyediwang ya go fokotsa bomasisi e akaretsa:</p> <ul style="list-style-type: none"> Fokotsa ditiro le dikago mo teng ga mafelo a a metsi le mo mabaleng a a eelang metsi gone. Tlhama mekgwa ya go laola kgogolego. 	<p>Magareng/Tlase</p> <p>Magareng/Tlase</p> <p>Magareng/Tlase</p>

TIRO	DITLAMORAGO TSE DI KA NNANG GONE	TSELA YA GO FOKOTSA BOMASISI KGOTSA DITSELA TSE DINGWE	BOGOLO JWA DITLAMORAGO Morago ga Phokotso ya Bomasisi kgotsa Ditsela Tse Dingwe (Dikotsi)
<ul style="list-style-type: none"> Go tlhamiwa ga mokgwa wa go laola kgogolombu 		<ul style="list-style-type: none"> Tlhama le go dirisa leano la taolo ya tsamaiso ya metsi go fetola tsela ya metsi a a phepa go tswa mo setsheng le go laola kelelo ya metsi a a leswe. Boloka metsi otlhe a a kgotletsweng tumelanong le GN R704 Tlhabololo e e nang le matswela go fitlha bokgakaleng jwa go tlhabolola dilo pele ga moepo fa go kgonega. 	
<ul style="list-style-type: none"> Go boloka le go dira ka dithoto tse di kotsi Dipeipe le go ditsela tse di kgabaganyana mo metsi a elelang gone 	Kgotlelo ya dikuno tsa metsi a a fa godimo le a a kwa tlase ga lefatshe	<p>Boikaelelo: thibela kgotlelo ya metswedi ya metsi a a fa godimo le ditlamorago mo badirising ba metsi a a fa godimo ga lefatshe.</p> <p>Mekgwa e e akanyediwang ya go fokotsa bomasisi jwa kgotlelo e akaretsa:</p> <ul style="list-style-type: none"> Moepo o dire jaaka lefelo le le sa ntsheng metsi le e seng, ke gore, boloka le go dirisa gape metsi a a kgotletsweng Tlhama mafelo a motheo a a tla kgonang go boloka dilo tse di kgotlelang Go thapisa badiri go thibela kgotlelo Go baakanya didiriswa le dikoloi Tsela e e bonako le e e nang le matswela ya go phepafatsa mafelo a a go tshololetsweng dilo mo go one Taolo e e molemo ya leswe Laola metsi a a phepa le a a leswe tumelanong le GN R704 Dira ditiro tsa go tlhatlhoba metsi le tsa go baakanyana mathata jaaka go tlhokega Go tlhabololwa ga lefelo la leswe le setsha ka kakaretsa ka tsela e e nang le matswela. Akanyetsa go tlhophisa tselana ya Tlhopho 1B ya dipeipi tsa leswe.. 	Magareng/Tlase
<ul style="list-style-type: none"> Serwitšhe le dipeipi tsa metsi 	Kgotlelo ya mowa	<p>Boikaelelo: fokotsa ditlamorago tsa lerole le digase mo nakong yotlhe ya magato a projeke.</p> <p>Mekgwa e e akanyediwang ya go fokotsa bomasisi e akaretsa:</p> <ul style="list-style-type: none"> Fokotsa mafelo a a kgorelediwang Fokotsa lerole sentle mo ditseleng tsa lerole le kwa mafelong a go fudusiwang dilo jaaka go tlhokega Baya leitlho lerole le le tswang le go dirisa mekgwa ya go fokotsa bomasisi jwa ditlamorago jaaka go tlhokega Boloka dikoloi le didiriswa di le mo seemo sentle sa go dira. 	Magareng/Tlase
	Kgotlelo ya modumo	<p>Boikaelelo: thiba kokotsego e e sa tlhokegeng ya modumo o o kgoreletsang le go fokotsa modumo o o serang kwa mafelong a a bosisi a kamogelo go ya bokgakaleng jo bo kgonegang.</p> <p>Mekgwa e e akanyediwang ya go fokotsa bomasisi e akaretsa:</p> <ul style="list-style-type: none"> Boloka dikoli le didiriswa di le mo seemong se sentle sa go dira. 	Magareng/Tlase

TIRO	DITLAMORAGO TSE DI KA NNANG GONE	TSELA YA GO FOKOTSA BOMASISI KGOTSA DITSELA TSE DINGWE	BOGOLO JWA DITLAMORAGO Morago ga Phokotso ya Bomasisi kgotsa Ditsela Tse Dingwe (Dikotsi)
<ul style="list-style-type: none"> Ditsela tsa mo moepong Dishafote tsa go fetlha mowa le go dira dikhuti tse di gopang metsi 	Ditlamorago tse di sa itumediseg mo popegong tsa naga le mo matlhong	<ul style="list-style-type: none"> Dira tiro ya go tlathoba modumo fa o amogela ngongorego mme o baakanye seemo go fokotsa ditlamorago fa go tlhokega. <p>Boikaelelo: fokotsa ditlamorago tse di sa siamang tse di amang matlho. Mekgwa e e akanyediwang ya go fokotsa bomasisi e akaretsa:</p> <ul style="list-style-type: none"> Fokotsa mafelo a a kgoreleditsweng. Fokotsa lerole go thibela leri la lerole le le amang matlho. Tlhabolola mafelo a a sa tlholeng a dirisiwa. Laola leswe ka tsela e e molemo. Dirisa mekgwa e e siameng ya go bonesa e e fokotsang lesedi le lentsi. Tlhabololo e e molemo ya setsha ka kakaretso le lefelo la leswe. 	Magareng/Tlase
<ul style="list-style-type: none"> Dijenereitara kgotsa gongwe polante ya maatla a letsatsi 	Go latlhagelwa ke bokgoni jwa go dirisa naga jaaka ga jaana	<p>Boikaelelo: thibela ditlamorago tse di sa amogelesegeng mo tirisong ya mafelo a a mabapi. Mekgwa e e akanyediwang ya go fokotsa bomasisi e akaretsa:</p> <ul style="list-style-type: none"> Lola ka tsela e e molemo modumo, lerole, boleng jwa metsi a a fa godimo le kwa tlase ga lefatshe, ditlamorago mo loagong le mo matlhong Tlhabololo e e molemo ya setsha ka kakaretso le mafelo a leswe fa lefelo le se na go dirisiwa. 	Tlase
<ul style="list-style-type: none"> Legato 1a la Matlo mo 	Tsenyo le kgoreletso ya dilo tsa ngwaoboswa (go akaretsa tsa setso) le dilo tsa thutomarope	<p>Boikaelelo: thibela tatlhego ya dilo tsa ngwaoboswa (go akaretsa setso) mo go ka bakwang ke ditiro tse di tshitshinngwang tsa moepo. Mekgwa e e akanyediwang ya go fokotsa bomasisi e akaretsa:</p> <ul style="list-style-type: none"> Fokotsa kgoreletso ya lefelo go ya bokgakaleng jo bo kgonegang. Go thapisa badiri ka ga mafelo a ngwaoboswa le a setso a go ka kopanngwang le one le bothokwa jwa go a boloka. 	Magareng/Tlase

TIRO	DITLAMORAGO TSE DI KA NNANG GONE	TSELA YA GO FOKOTSA BOMASISI KGOTSA DITSELA TSE DINGWE	BOGOLO JWA DITLAMORAGO Morago ga Phokotso ya Bomasisi kgotsa Ditsela Tse Dingwe (Dikotsi)
<p>Moepong</p> <ul style="list-style-type: none"> Lefelo la go dirisa leswe sešwa Matamo a go Laola Kgotlelo 		<ul style="list-style-type: none"> Tlhama le go dirisa mokgwa wa maemo a tshoganyetso a fa go ka direga gore dilo tseno di fitlhelwe. 	
	Ditlamorago mo ikonoming (ditlamorago tse di itumedisang)	<p>Boikaelelo: godisa ditlamorago tse di itumedisang mo go tsa ikonomi le go fokotsa ditlamorago tse di sa itumediseng.</p> <p>Mekgwa e e akanyediwang ya go fokotsa bomasisi e akaretsa:</p> <ul style="list-style-type: none"> Thapa batho ba lefelo leo mme o reke dithoto le ditirelo mo lefelong leo go ya bokgakaleng jo bo ka kgonegang. Tlhomamisa gore thulaganyo ya tswalwa e akanyetsa dilo tse di jaaka go naya gape bathapiwa ba ba ka latlhegelwang ke tiro bokgoni jwa go dira, maemo a o ka tswala go sa le gale le ka lobaka lo loleele. 	Magareng/Tlase
	Ditlamorago tsa phudugoteng	<p>Boikaelelo: fokotsa phudugoteng le ditlamorago tse dingwe tse di ka bakwang ke seno.</p> <p>Mekgwa e e akanyediwang ya go fokotsa bomasisi e akaretsa:</p> <ul style="list-style-type: none"> Puisano e e nang le matswela le baagi ba lefelo go laola ditebelelo malebana le tiro le ditshono tse dingwe. Dirisa mekgwa ya go tlhomamisa gore badiri ba bona mafelo a bonno a a siameng a a baakantsweng sentle. Go thapisa badiri ka tsa boitekanelo le pabalesego. 	Magareng/Tlase

Thulaganyo ya Patlisiso ya Tlhatlhobo ya Ditlamorago mo Tikologong

Boikaelelo jo bogolo jwa legato lwa EIA e tšile go nna:

- Go tlhatlhoba ka botlalo ditlamorago tse di ka nngang teng tsa porojeke eno mo setsong, ngwaoboswa, maemo a ikonomi a leago, le mo dilong tsa tlhologo;
- Go lemoga le go tlhalosa mekgwatiriso le mekgwa e e tla fokotsang bomasisi jwa ditlamorago tse di sa itumediseng tse di ka nngang teng le go godisa ditlamorago tse di molemo tse di ka nngang teng;
- Go buisana le di IAP go akaretsa maphata a a tshwanetseng a puso ka dikgang tse di amanang le porojeke go tlhomamisa gore dilo di dirwa tumelanong le dikaelo le melao e e gone;
- Go ikgolaganya le di IAP le ba naya sebaka sa go sekaseka le go tshwaela ka ditlamorago thulaganyo tlhatlhobo ya tikologo le go amogela mekgwa ya go fokotsa bomasisi jwa dilo;
- Go tlhama leano la taolo ya tikologo le leano la go tswala/kgaotsa tiro le le akantshiwang
- Ga tlamela mekgwa ya go tswela go bewa dilo leitlho (go akaretsa ditlhatlhobo tsa tikologo) go tlhomamisa gore leano la porojeke le mekgwa e e akantshiwang ya phokotso ya bomasisi e a diragadiwa jaaka go tlhalositswe mo EIP le EMPr ya dintlha ka botlalo.

Tlhasolo ya ditiro tse di tlileng go dirwa ka nako ya legato la EIA e kwadilwe fa tlase fano mo go Lenaneothalo la lenaneothalo **LA 0-1**.

LENANEOTHALO LA 0-1: DITIRO TSA EIA LE DINAKO

Legato	Tiro ya EAP	Ditshono tsa Bogolagani le Botsayakarolo		Thulaganyo
		Bothati jo bo Tshwanelang	Di IAP, Maphata a Puso le Dikarolo Tsa Puso	
Tekolo	Romela pego ya bofelo ya tekolo go bothati	Bothata go Amogela pego ya tekolo KGOTSA Go Gana tumelelo ya tikologo (malatsi a le 43 a kamogelo)	Di IAP go tshwaela ka FSR ka tshamalalo go CA ka khophi ya EAP	Lwetse – Diphlane 2015
Ditlhatlhobo le Ditlhaloso Tsa Bomankge Input	EAP go laola ditiro tsa bomankge le go amogela ditlhaloso tsa EIA.			Seetebosigo 2015 – Ferikgong 2016
EIA Phase	Tlhatlhoba ditlamorago mo tikologong. Kokoanya terafote ya EIA le pego ya EMP			Ferikgong 2016
	Romela terafote ya pego ya EIA go bathati ba I&AP.	Tshekatsheko ya pego ya terafote ya EIA (malatsi a le 30). Ditshwaelo go EAP	Tlhatlhoba pego ya terafote ya pego ya EIA (malatsi a le 30). Ditshwaelo go EAP	Tlhakole 2016
	Rulaganya dikopano le bogolagani	Dikopano le bathata ka nako ya EIA di a tlhokega.	Kopano ya Naya Setšhaba Pegelokarabo. Go ikgolaganya le di di I&AP kgotsa bathati ba ba akgelang fa go tlhokega.	

Legato	Tiro ya EAP	Ditshono tsa Bogolagani le Botsayakarolo		Thulaganyo
		Bothati jo bo Tshwanelang	Di IAP, Maphata a Puso le Dikarolo Tsa Puso	
	Bua ka ditshwaelo tsa setšhaba le go wetsa dipego tsa EIA le EMPr			Tlhakole - Mopitlwe 2016
Tlhatlhobo ya Bothati le Legato la Tumelelo Authority	Pego ya bofelo ya EIA go Bothati (malatsi a le 106 go tloga ka nako ya kamogelo ya tekolo).	Bothati bo Dumela fa bo Amogetse pego ya EIA (malatsi a le 10).	Tshekatsheko ya pego ya bofelo ya EIA (malatsi a le 30). Ditshwaelo go CA	Mopitlwe 2016 – Phukwi 2016
		Tumelelo ya Tikologo e Abilwe / Gannwe (malatsi a le 107).		
			Dikitsiso go di I&AP ka ga tumelelo ya tikologo (e abilwe kgotsa e gannwe).	Phatwe 2016
Legato la Boikuelo	EAP go naya kaelo ka ga thulaganyo ya boikuelo jaaka go tlhokega le fa go tlhokega.	Bogolagni bo a tshwanela ka nako ya thulaganyo ya boikuelo.	Romela boikuelo go ya ka Melao ya Naga ya Boikuelo	Tse dingwe

ISIZULU TRANSLATION OF THE EXECUTIVE SUMMARY OF THE SCOPING REPORT FOR THE ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE, LEDIG, NORTH WEST PROVINCE

Isethulo Nencazelo Yephrojekthi

I-Wesizwe Platinum Limited (Wesizwe) ingumnikazi we-Bakubung Platinum Mine, njengamanje efaka amashafu epulazini i-Frischgewaagd 96JQ (ku-Portions 3, 4 no-11). Le mayini iseduze kwase-Ledig ngaseningizimu ye-Pilanesberg Game Reserve ne-Sun City eSifundazweni sase-North West. Amatshe ayigugu azombelwa i-Platinum Group Elements – iplatinamu, ipaladiyamu, irodiyamu negolide, kanye nethusi njengemikhiqizo yesibili. Indawo yale phrojekthi ingena ngaphansi koMasipala Bendawo yaseRustenburg naseMoses Kotane Yomasipala beSifundazwe saseBojanala. Ibalazwe lendawo lihlinzekwe kuMdwebo 0-1.

Ngo-2008, iWesizwe yenza inqubo Yokuhlola Umthelela Kwezemvelo (EIA) ngokwakhiwa kwe-Bakubung Platinum Mine. I-Bakubung Platinum Mine yathola iSigunyazo Sezemvelo ngo-2009, ngokwemibandela yoMthetho Wokuphathwa Kwezemvelo Kazwelonke (uMthetho 107 ka-1998) (NEMA) kanye noMthetho Wokwakhiwa Kwengcebo Embiwa Phansi Nezibaseli (uMthetho 28 ka-2002) (MPRDA). Kwakhishwa iLayisensi Yokusetshenziswa Kwamanzi (WUL) ngokwemibandela yoMthetho Wamanzi Kazwelonke (uMthetho 36 ka-1998) (NWA) ngo-2010.

Ngesikhathi ukwakha kuqalisa e-Bakubung Platinum Mine, akuzona zonke izindawo zokusetshenziswa ebesezakhiwe. Ukumba akukaqali. Manje i-Wesizwe ihlongoza ukwenza izinguquko eziningana kule mayini egunyaziwe. Lezi zinguquko ziyadingeka ukuze kunakekelwe ukwandiswa kwekhono lokunakekelwa kwensimbi, kanye nengqalasizinda eyengeziwe yokuxhasa. Izinguquko ezihlongoziwe zizodinga ezinye Izigunyazo Zezemvelo, iLayisensi Yokulawulwa Kokungcola (WML) kanye nokusetshenziswa kwamanzi okwengeziwe okudinga ukuchitshiyelwa kwe-WUL esebenza njengamanje. I-Wesizwe futhi inelungelo elikhona lokumba imayini kodwa manje ihlongoza ukufaka amatshe angazukutshenziswa elungelweni layo lokumba, ukuze ithengise amatshe angazukutshenziswa ewumthamo. Lokhu kuzodinga ukuba kuchitshiyelwe ilungelo layo lokumba imayini.

Izinguquko ezilandelayo ziyahlongozwa e-Bakubung Platinum Mine:

- Ukwakhiwa kwe-Tailings Storage Facility (TSF) enkudlwana epulazini i-Mimosa 81JQ. Le ndawo izokwandiswa ukusuka ku-142 ha ukuya ku ~ 166 ha. Ukuphakama kuzoba ngu ~ 44m;
- Ipayipi elikhulu lokuhambisa izinsalela phakathi kwemayini ne-TSF (elizonqamula emfuleni);
- Ukwandiswa komthamo ozoqokathwa yisigayo se-concentrator ukusuka kumathani angu-230 000 ngenyanga kuya kumathani acishe abe ngu-265 000 ngenyanga;

- Umthamo owandisiwe wezitaki ezinqwabelene zomkhiqizo wasemayini;
- Ukuthuthwa kwe-crusher circuit yensimbi ukususwa ngaphansi komhlaba iyiswe ngaphezulu;
- Ukufakwa kwezimbiwa zamatshe angazukusetshenziswa kwilayisensi yokumba, njengoba amatshe angazukusetshenziswa engase acoywe futhi athengiswe eyingxube;
- Ukwakhiwa kwento ezovimbela ukuguguleka komhlabathi eduze kwemifula esemayini;
- Ukugcinwa nokuphathwa kwempahla eyingozi njengodizili kanye nezingxube zamakhemikhali esizeni;
- Amapayipi amakhulu ahlukahlukene kanye nemigwaqo enqamula phezu kwamanzi, kubandakanya namabhuloho okuwela;
- Amapayipi amasha okungcola nawamanzi;
- Amadamu Okulawula Ukungcola;
- Amadamu okugcina nawokubuyisa amanzi;
- Imigwaqo emisha yemayini engaphakathi (eminye yayo ezonqamula emifuleni);
- Amashafu okufaka umoyampilo nemigodi yamanzi embiwe;
- Amajeneretha noma ngokunokwezeka amapulanti afaka ukushisa kwelanga endaweni yomsebenzi, okusetshenziswa lapho kunqamuka ugesi;
- Iyadi lokuhlenga lokugcina okwesikhashana izinto ezingasetshenziswa nezingadala ingozi; kanye
- Nokwakhiwa kwe-phase 1a kwe-mine housing ne-noise berm (ezonqamula emifuleni).

I-SLR Consulting (Africa) (Pty) Ltd (SLR), ifemu ezimele yabaxhumanisi bezemvelo, iye yakhethwa yi-Wesizwe ukuba yenze inqubo yokuhlolwa kwezemvelo ngale phrojekthi ehlongozwayo.

Ezinye izindlela ezicatshangelwayo kule phrojekthi

Njengoba i-Bakubung Platinum Mine isiyi yagunyazwa kakade futhi isivele iyakhiwa, aziziningi ezinye izindlela ezingase zikhethwe. Eziningi zezinguquko ezihlongozwayo kwingqalasizinda emayini ukwandiswa kwezakhiwo ezigunyaziwe kodwa indawo yona ngeke ishintshe. Indawo yezakhiwo ezintsha nayo isekelwe endaweni esigunyaziwe kakade, isib. izindlu ezengeziwe zemayini kuhlelwa ukuba zakhiwe malungana nezindlu esezigunyaziwe kakade; kanti isitolo sikadizili sizoba phakathi kwendawo yeshafu yemayini esigunyaziwe. Okuwukuphela kwezinye izindawo ezingahluka ziphathelele nendlela amapayipi ezinsalela angaba kuzo.

Izindawo ezintathu okungase kube ngezihlukile zomgudu wamapayipi ezinsalela (Option 1A – umgudu ongasenyakatho, Option 1B – umgudu ophakathi kanti Option 2 – umgudu ongaseningizimu) ziye zacatshangelwa futhi zahlolwa. Lezi zichazwe ngezansi:

U-Option 1 A – Umgudu Ongasenyakatho

Ipayipi liphuma ngasendaweni yesigayo se-concentrator ngasemngceleni ongaseningizimu, bese lihamba iqonde ngqo ngasentshonalanga ligudle umngcele ongaseningizimu wesigayo bese linqamula ngaphansi komgwaqo wesifundazwe i-R565 onqamula eRustenburg. Libe selidlula ngaphansi kwezintambo zikagesi ezihamba ngaphezulu zika-Eskom nge-engela ewutsheku, ngasohlangothini oluseningizimu ntshonalanga ukuya ngasesakhiweni sokugcinwa kwezinsalela.

Ngemva nje komgwaqo onqamulayo leli payipi lizoba sezweni lesizwe saBakubung Ba Ratheo. Lapho kumelwe lidlule linqamule imifudlana emibili ye-Elands River. La mathafa ancikene nomfula angodedangendlale, okwenza ukunqamula lawo mathafa cishe kube ngu-400m ubude. Ngesikhathi esifanayo lidlula ngaphansi kwezintambo zikagesi zika-Eskom, hhayi nge-engela eqonde mpo, kodwa elutsheku.

Ukusuka lapha lo mgudu uhamba magwincogwinco uze uyofinyelela kwi-TSF epulazini i-Mimosa 81 JQ.

Izinzuzo

- Ingxenywe enkulu yalo mgudu wokuhamba kwepayipi ingena ngaphansi kwendawo yemayini, noma ezweni elingeleWesizwe. Lokhu kusho ukuthi iWesizwe izodinga kuphela ukuxoxisana nomninizwe oyedwa (i-Bakubung Ba Ratheo) nomnikazi welungelo lemayini oyedwa (iMaseve Investments) engasemgudwini wokuhamba kwepayipi.

Izinkinga

- Ithafa eliwudedangendlale lika-400m elincikene namanzi, lemifudlana emibili, okumelwe kunqanyulwe kuyo.
- Izinyathelo eziqhubekayo zokuvikelwa kwensimbi ekugqwaleni ziyadingeka lapho kudlulwa kunqanyulwe lutsheku ngaphansi kwezintambo zika-Eskom.

U-Option 1 B – Umgudu Ophakathi

Lo mgudu wokuhamba kwepayipi nawo uphumela endaweni yesigayo se-concentrator emngceleni ongaseningizimu, bese uhamba uqonde eningizimu-ntshonalanga ukusuka esigayweni ukuya ngasemgwaqweni wesifundazwe i-R565 odlula e-Rustenburg. Lo mgwaqo ube usunqamula ngaphansi kwezintambo zika-Eskom nge-engela ka-90 degree, ngaphambi nje kokudlula ngaphansi kuka-R565. Ube usuqhubeka ulibhekise eningizimu ntshonalanga ukuya ngasendaweni yokugcinwa kwezinsalela.

Ngemva nje komgwaqo onqamulayo, amapayipi azoba sezweni lesizwe sa-Bakubung Ba Ratheo. Lapha kumelwe linqamule phezu komfudlana owodwa we-Elands River. Ithafa eliwudedangendlale lalo mfudlana onqamulayo licishe libe ngu-40 m ubude.

Ukusuka lapho lo mgudu wokuhamba kwamapayipi uhamba magwincogwinco uze uyofia e-TSF epulazini i-Mimosa 81 JQ.

Izinzuzo

- Ingxenywe enkulu yalo mgudu wamapayipi ingena ngaphansi kwendawo esinelungelo lokumba kuyo imayini, noma ezweni elingeleWesizwe. Lokhu kusho ukuthi iWesizwe kuzodingeka

ukuba ixoxisane kuphela nomnikazi oyedwa wendawo (iBakubung Ba Ratheo) kanye nomnikazi oyedwa onelungelo lokumba imayini (iMaseve Investments) ongasemgudwini okuhamba kuwo la mapayipi.

- Lo mgudu unqamula kuphela umfudlana owodwa we-Elands River bese unqamula udlulele ngale kwethafa eligudle umfudlana kuno-Option 1A.
- Lo mgudu udlula ngaphansi kwezintambo zikagesi zika-Eskom nge-engela eqonde mpo okunciphisa ukupheleka kukazibuthegesi kanye nokugqwala okudalwa yi-elekthrolisisi.

Izinkinga

- Kusenomgudu owodwa wokunqamula wamanzi odingekayo ukuze kube nalo mgudu wokudlula.

U-Option 2 – Umgudu Ongaseningizimu

Lo mgudu udlula endaweni ye-concentrator emngceleni ongaseningizimu bese uhamba uqonde ngqo eningizimu unqamule i-Elands River endaweni ewumncingo, cishe engaba ngu-120m ububanzi. Lapha ujikela eningizimu nyakatho, unqamule phezu kwendawo ye-Maseve Investment, udlule uqonde mpo ngaphansi kwezintambo zikagesi zika-Eskom, khona belu empahleni ka-Maseve Investment, bese udlula ngaphansi komgwaqo wesifundazwe i-R565 Rustenburg.

Ngemva kwe-R565 lo mgudu wamapayipi udlulela ezweni lesizwe sa-Bakubung Ba Ratheo bese udlulela kwi-Elands River, okwesibili. Lapha umfula onqamulayo nawo ucise ube ngu-120m. Ukusuka lapha lo mgudu uhamba magwincogwinco unqamule izwe lesizwe sa-Bakubung Ba Ratheo uze uyofinyelela kwi-TSF empahleni yepulazi iMimosa.

Izinzuzo

- Izindawo eziwumngcingo ezinqamula emanzini (awekho amathafa ezikhukhula angodedangendlale).
- Lo mgudu udlula futhi ngaphansi kwezintambo zikagesi zakwa-Eskom ngama-engela aqonde mpo ngaleyo ndlela kunciphise ukupheleka kukazibuthegesi kanye nokugqwala okudalwa i-elekthrolisisi.

Izinkinga

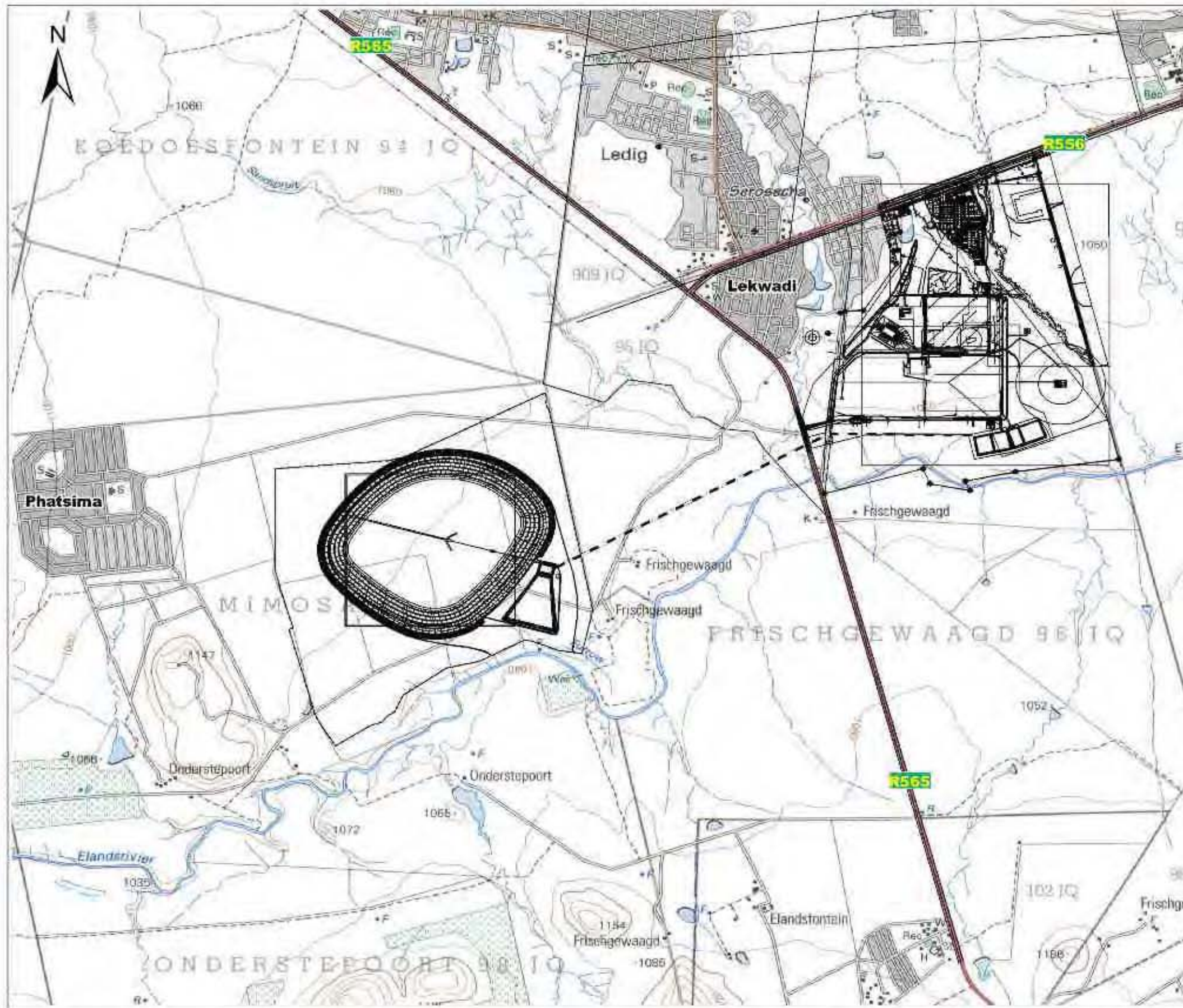
- Kumelwe kuxoxiswane nabanikazi bamazwe ababili (iMaseve Investments neBakubung Ba Ratheo) nabanikazi bezimayini ababili (iRoyal Bafokeng ne-Maseve Investments) abasemgudwini wokuhamba kwamapayipi.
- Imifula emibili enqamulayo ye-Elands River.

Ezingeni lokuhlola, umgudu wokuhamba kwepayini lezinsalela oyinhloko u-1 B kubonakala kuyiwona ongacatshangelwa okuzoba nomthelela ophansi kakhulu ekuphazamisekeni kwezemvelo. Nokho, uhlelo lokugcina lwezinguquko ezihlongozwayo kwingqalasizinda e-Bakubung Platinum Mine

luzocaciswa yimiphumela yocwaningo longoti, ukuxhumana ngokuqhubekayo nabanesithakazelo kanye nabathintekayo kanye nezikhulu ezinamagunya kwezemvelo.

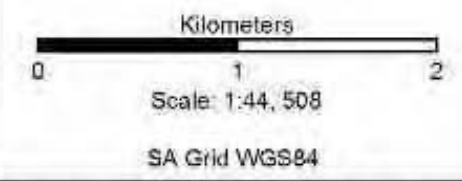
Ukukhetha ukuba kungenziwa lutho

Ngokuvumelana neZiqondiso ze-NEMA, ukukhetha ukuba kungenziwa lutho kuyadingeka ukuba kuphenywe futhi kuhlolwe. Ukukhetha ukuba kungenziwa lutho kuyosho ukuthi izinguquko kwingqalasizinda eBakubung Platinum Mine azenziwa futhi ngaleyo ndlela imithelela ehlobene engemihle kanye neyzenhlalo ngeke ibe khona. Le ndlela kuzodingeka ukuba ihlolwe iqhathaniswe nokutholwe yi-EIA kanye nezinzuzo ezingaba khona zezenzhlalo nezomnotho kule phrojekthi. Lokhu kuzoxoxwa ngakho ngokwengeziwe esigabeni se-EIA sale phrojekthi.



Legend

- Main Roads
- Secondary Roads
- Other Access Roads
- Power Line
- Rivers and Streams
- 20m Contour Lines
- Cultivated Areas
- Built-up Areas
- Pipeline
- Mine Layout



BAKUBUNG (WESIZWE) EIA

Locality Map

Regional Locality Map



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September 2015

Incazelo Yendawo Ezungezile Ethintekayo

Ngokwemibandela yendawo ezungezile ethintekayo ehlobene nale phrojekthi ehlongozwayo, izindawo eziphawulekayo ziyizindawo zezendabuko eziphakathi kwendawo yale phrojekthi okungenzeka zibe seduze kwesiza esisha se-TSF. Kukhona futhi namaxhaphozi Ezindawo Ezibalulekile Ezinemvelo Yasemanzini Ahlanzekile (Freshwater Ecosystem Priority Areas) eduze kwendawo yesigayo kanye nendawo ye-TFS, okuzodingeka ukuba avikelwe. I-Elands River kanye nengqalasizinda kuzokwakhiwa eduze komfula njengoba i-Elands River ibhekwa njengebaluleke kakhulu ukuba kulondolozwe imvelo ekuyo.

Imvelo ethintekayo izocwaningwa ngokuningiliziwe futhi umthelela ozodalwa yile phrojekthi kwezemvelo uzohlolwa ngokugcwele esigabeni se-EIA sale phrojekthi. Ucwangingo longoti luzokwenziwa ukuze kuhlolwe umthelela kulokhu okulandelayo: amanzi angaphansi komhlaba, amanzi angaphezu komhlaba, izinga lomoya-mpilo, amagugu endabuko, umsindo, ezenhlalo, ukungcola, izitshalo, izilwane namaxhaphozi.

Imiphumela Yokuxhumana Nabanesithakazelo Kanye Nabathintekayo

Ukuxhumana nomphakathi kuye kwenziwa kusetshenziswa izikhangiso, izaziso ezifakwe endaweni yomsebenzi, ukuvakasha komphakathi endaweni yomsebenzi kanye nemihlangano yabasemagunyeni egxilile. Amadokhumenti olwazi oluyisizinda (BIDs) ayajikeleziswa Kubantu Abanesithakazelo Nabathintekayo (IAPs) kuhlinzekwa ngolwazi lokuqaliswa kwephrojekthi kanye nokumema amalungu omphakathi ukuba abhalise njengama-IAP futhi abambe iqhaza enqubweni ye-EIA.

Ezinye zezindaba ezaqokonyiswa ngama-IAP ngesikhathi sesigaba sokuhlola zibandakanya lokhu: ukungasebenzi komphakathi kanye namathuba omsebenzi esikhathini esizayo emayini, amathuba emifundaze nokufundiswa ngaphakathi emayini, kuqinisekiswa ukuthi imiphakathi nabaholi bayo bathola ulwazi olufanele ngephrojekthi, ukuxhumana nomphakathi kufanele futhi kwenziwe nangesiZulu ukuya phambili, imininingwane yezakhiwo zasemayini, imithelela yephrojekthi kulokhu: amazinga othuli, izilwane ePilanesberg National Park, ukungcoliswa kwamanzi, amagugu endabuko, impilo, imithelela yokuqhumisa, kanye nedlelo lokuklaba endaweni yedamu lezinsalela.

Izimfuneko Ezingokomthetho Zezemvelo

Ngaphambi kokuba kuqaliswe iphrojekthi ehlongozwayo, ukugunyaza kwabezemvelo kuyadingeka eminyango ehluahlukene kahulumeni. Lena ibandakanya:

Isichibiyelo selungelo lokumba emayini ngokwemibandela ka-Section 102 we-MPRDA elawulwa yi-DMR.

Lokhu kubandakanya ukufakwa kwamatshe angasetshenziswa kanye nesichibiyelo se-EMP ekhona kakade.

Isigunyazo Sezemvelo esivela kwi-DMR ngokwemibandela ye-NEMA. Iphrojekthi ehlongozwayo ihlanganisa imisebenzi ehluahlukene efakwe ohlwini. Iziqondiso ze-EIA ezilandelwayo ngale phrojekthi yiSiqondiso 983, 984 no-985 (iZiqondiso Ze-EIA zikaDisemba 2014).

I- WML evela kwi-DMR ngokwemibandela ye-NEMWA.

Isichibiyelo se-WUL esivela kuMnyango Wamanzi Nokungcola ngokwemibandela ye-NWA ngokuvumelana no-Section 21(b), 21 (c), 21(i), 21(g) no-21(j). Noma yikuphi ukugunyaza/izimvume okudingakayo ngale

phrojekthi kuzobonwa ngesikhathi sokuqhubeka kwenqubo yokuhlola ezemvelo. Uhlu oluningiliziwe lwalezo zimfuneko luzohlinzekwa embikweni we-EIA ne-EMP.

Imithelela Engokwemvelo

Isigaba sokuhlola sihlizeka ngokutholakala kwezinga lokuhlola lemithelela ethinta ezemvelo engaba khona (ephathekayo, engokofuzo, engokwenhlalo nengokomnotho). Ithebula elingezansi lihlizeka ngohlu lwemithelela emikhulu ebonwe yi-EAP noma eye yaphakanyiswa ngama-IAP, kanye nezinyathelo ezingaba khona zokulawulwa nokuncishiswa kwemithelela. Izinga lezinkinga ezingaba khona ngezinsalela ngemva kokulawulwa nokuncishiswa kwemithelela nalo liyacatshangelwa. Lokhu kuzolungiswa ngesikhathi sesigaba se-EIA ngezimvo zongoti njengoba kuyobe kuyobonakala kufaneleka.

ITHEBULA 0-1: IZINYATHELO ZOKUNCIPHISA IMITHELELA EZINGASE ZITHATHWE NEZINGA ELILINDELEKILE LAMATHUBA EZINSALELA

UMSEBENZI	UMTHELELA ONGABA KHONA	UKUNCISHISWA KWEMITHELELA OKUNGENZEKA NOMA EZINYE IZINDLELA EZINGASE ZILANDELWE	UBUKHULU BOMTHELELA Ngenxa Kokuncishiswa Kwawo Noma Ukulandelwa Kwenye Indlela (Amathuba Ezinsalela)
<p>Izinguquko kwingqalasizinda kwi-Bakubung Platinum Mine kubandakanya:</p> <ul style="list-style-type: none"> • Idamu elikhudlwana lezinsalela • Ukwanda emthamweni wesigayo se-concentrator • Ukwanda kwemikhiqizo enqwabelene 	Ukulahleka kwezinto ezimbiwa phansi	<p>Izinyathelo zokuncishiswa kwemithelelo zibandakanya lokhu:</p> <ul style="list-style-type: none"> • Inqalasisizinda kungenzeka ithuthwe uma indawo kutholakala ukuthi ingabangela ukukhinyabezeka kwezinto ezimbiwa phansi. 	Kuphansi
	Ukumbiwa kwenhlabathi/izakhiwo okuyingozi	<p>Umgomo: ukuvimbela ukulimala ngokomzimba kwabanye abantu nezilwane ekumbeni okuyingozi nengqalasizinda.</p> <p>Izinyathelo zokunciphisa imithelela engemihle zibandakanya lokhu:</p> <ul style="list-style-type: none"> • Ukulawulwa kokungena, imigoqo evimbelayo kanye nezimpawu eziyisixwayiso ezindaweni eziyingozi • Ukuklama (design), ukusebenzisa nokulungisa izindawo zokugcinwa kwezinsalela ngendlela ebonisa ukubhekela ukusimama kokuphepha nokugwema izingozi zokuphepha kwabanye abantu nezilwane • Ukubeka iso nokulungisa kwangemva kokuvala ukuze kuqashelwe ukuthi imigomo yokuphepha efanelekile ehlala isikhathi eside iye yafinyelelwa nokubona isidingo sokuthatha esinye isinyathelo lapho leyo migomo kungahlangatshezwananga nayo • Lapho iWesizwe ibangele khona ukulimala noma ukufa kwabanye abantu kanye/noma izilwane, isinxephezelo esifanelekile sizohlizekwa. 	Kuphansi
	Ukuguguleka kwenhlabathi noma ikhono lezwe ngokungcoliseka	<p>Umgomo: ukuvimbela ukungoliswa kwenhlabathi ngezinto ezichitheke ngengozi kanye/noma ukuvuza okuvela emishinini.</p> <p>Izinyathelo zokunciphisa imithelela ukuze kuvinjelwe ukungcolisa zibandakanya lokhu:</p> <ul style="list-style-type: none"> • Ukuklanywa kwengqalasizinda eyisisekelo eyanele ukuvimbela izinto ezingcolisayo • Ukuqeqeshwa kwabasebenzi ukuze kuvinjelwe ukungcolisa • Ukulungiswa kwemishini nezinqola • Ukucocwa kwezinto ezichithekile ngokushesha nangokuphumelelayo • Ukulawulwa kokungcola ngempumelelo. 	Kuphansi
	Ukuguguleka komcebo osemhlabathini kanye nokwehluleka kwezwe	<p>Umgomo: ukunciphisa ukulahleka kwenhlabathi nokusetshenziswa kwayo okuhlobene ngeziphazamiso zezisetshenziswa eziphathekayo, ukuguguleka nokugqisha.</p> <p>Izinyathelo zokunciphisa imithelela zibandakanya lokhu:</p> <ul style="list-style-type: none"> • Ukulinganisela ukugugulwa kwendawo • Ukwakha nokusebenzisa uhlelo lokulawulwa kwenhlabathi olubhekele ukuphuhlwa kwenhlabathi, ukunqwatshelelaniswa 	Kuphansi

UMSEBENZI	UMTHELELA ONGABA KHONA	UKUNCISHISWA KWEMITHELELA OKUNGENZEKA NOMA EZINYE IZINDLELA EZINGASE ZILANDELWE	UBUKHULU BOMTHELELA Ngemva Kokuncishiswa Kwawo Noma Ukulandelwa Kwenye Indlela (Amathuba Ezinsalela)
yasezimayini	ngokuphazamiseka ngezinto ezisetshenziswayo ezingokoqobo	nokusetshenziselwa ukuvuselela.	
<ul style="list-style-type: none"> • Ukuthuthwa komshini wokuchoboza ususwa ngaphansi uyiswa ngaphezulu 	Ukushatshaliswa kwezitshalo nezilwane	<p>Umgomo: ukuvimbela ukulahleka okungamukeleki kwezilwane nezitshalo kanye nokusetshenziswa kohlelo lwezemvelo ngokushabalalisa ngezisetshenziswa eziphathekayo.</p> <p>Izinyathelo zokunciphisa imithelela zibandakanya:</p> <ul style="list-style-type: none"> • Ukulinganisela ukugugulwa kwendawo • Ukwakha uhlelo lokugugula indawo olubhekela ukuyiveza ngokucacile indawo okumelwe igugulwe, ukuthuthwa kwanoma yiziphi izinhlobo zezinto ezingokwemvelo noma eziyigugu ngokugunyaza okufanelekile nokuvuselelwa kwezindawo ezingasasetshenziswa • Ukugwema izindawo ezibucayi ngangokunokwenzeka • Ukuvuselela okuphumelelayo okucishe kufane ngangokunokwenzeka nesimo sangesikhathi imayini iqala ukusebenza. • Ukucabangela ukukhetha umgudu wokuhamba kwamapayipi ezinsalela ku-Option 1B. 	Kuphakathi Nendawo/Kuphansi
<ul style="list-style-type: none"> • Ukufakwa kwezimbiwa ematsheni angasetshenziswa kwilayiseni yokumba imayini 	Ukuphazanyiswa kwezilwane nezitshalo kabanzi	<p>Umgomo: ukuvimbela ukuphazanyiswa kwezilwane nezitshalo kanye nokusebenza kwemvelo okuhlobene nazo.</p> <p>Izinyathelo zokunciphisa imithelela zibandakanya:</p> <ul style="list-style-type: none"> • Ukuqeqeshwa kwabasebenzi ngokubaluleka kwezilwane nezitshalo • Ukungakubekezeleli ukulinyazwa nokuvunwa kwezitshalo nezilwane • Ukulinganisela ukukhanya nokuphazamisa komsindo ngangokunokwenzeka • Ukulawulwa okuphumelelayo kokungcola nokujinjelwa kokungcolisa • Ukuvuselela okuphumelelayo okucishe kufane ngangokunokwenzeka nesimo sangesikhathi imayini iqala ukusebenza. • Ukucabangela ukukhetha umgudu wokuhamba kwepayipi ezinsalela ku-Option 1B. 	Kuphakathi Nendawo/Kuphansi
<ul style="list-style-type: none"> • Ukwakhiwa 	Ukuguqulwa kwenqubo yokuthuthwa kwemfucumfucu	<p>Umgomo: ukunciphisa ukuphazamiseka kwemifudlana nokuhamba kwamanzi achitheka ngaphezu komhlaba nokuncishiswa kokugeleza kwawo kubasebenzi abahlala ezindaweni ezingezansi.</p> <p>Izinyathelo zokunciphisa umthelela zibandakanya lokhu:</p> <ul style="list-style-type: none"> • Ukulinganisela imisebenzi nengqalasizinda ngaphakathi kwexhaphozi kanye nezikhukhula ezisuka endaweni enamanzi. 	Kuphakathi Nendawo/Kuphansi

UMSEBENZI	UMTHELELA ONGABA KHONA	UKUNCISHISWA KWEMITHELELA OKUNGENZEKA NOMA EZINYE IZINDLELA EZINGASE ZILANDELWE	UBUKHULU BOMTHELELA Ngemva Kokuncishiswa Kwawo Noma Ukulandelwa Kwenye Indlela (Amathuba Ezinsalela)
kwezindlela zokuvimbela ukuguguleka	egelezayo	<ul style="list-style-type: none"> • Ukwakha izinyathelo zokuvimela ukuguguleka kwenhlabathi. • Ukwakha nokusebenzisa uhlelo lokulawulwa kwamanzi emvula ukuze kucezukiswe amanzi ahlanzekile kude nendawo yokusebenzela futhi kulawulwe amanzi angcolile. Ukuvimbela ukuphuma kwawo wonke amanzi angcolisekile ngokuvumelana ne-GN R704 • Ukuvuselela okuphumelelayo okucishe kufane ngangokunokwenzeka nesimo sangesikhathi imayini iqala ukusebenza. 	
<ul style="list-style-type: none"> • Ukugcinwa nokuphathwa kwempahla eyingozi • Amabhuloho okunqamula kwamapayipi nemigwaqo phezu kwamanzi 	Ukungcoliswa kwezinto ezisemanzini angaphelu nangaphansi	<p>Umgomo: ukuvimbela ukungcoliswa kwamanzi angaphansi komhlaba kanye nemithelela kwabanye abasebenzisi bamanzi angaphezu komhlaba.</p> <p>Izinyathelo zokunciphisa ukungcoliseka zibandakanya lokhu:</p> <ul style="list-style-type: none"> • Ukusebenzisa imayini njengendawo engawakhipheli neze ngaphandle amanzi ewasebenzisayo, okungukuthi iyawagcina ibuye iwasebenzise amanzi angcolile • Ukuklanywa kwengqalasizinda eyisisekelo eyanele ukugcina kuyo izinto ezibangela ukungcola • Ukuqeqeshwa kwabasebenzi ukuze bavimbele ukungcoliswa kwemvelo • Ukulungiswa kwemishini nezinqola • Ukucocwa okusheshayo nokuphumelelayo kwezinto ezichithekile • Ukulawulwa ngempumelelo kokungcola • Ukulawula amanzi acocekile nangcolile ngokuvumelana ne-GN R704 • Ukubhekela ukuqashwa nokusetshenziswa kwezinyathelo eziyikhambi kuye ngesidingo • Ukuvuselela okuphumelelayo kwezindawo zokugcinwa kwemfucuzo kanye nesiza sonkana. • Ukucabangela ukukhetha umgudu wokuhamba kwepayipi lezinsalela ku-Option 1B. 	Kuphakathi Nendawo/Kuphansi
<ul style="list-style-type: none"> • Amapayipi endle namanzi 	Ukungcoliswa komoya	<p>Umgomo: ukunciphisa imithelela yothuli namagesi ngesikhathi sezigaba zayo yonke le phrojekthi.</p> <p>Izinyathelo zokunciphisa imithelela zibandakanya lokhu:</p> <ul style="list-style-type: none"> • Ukulinganisela izindawo eziphazamisekayo • Ukuvimbela uthuli ngokuphumelelayo emigwaqweni engapheviwe nasezindaweni zokudlulisela izinto kuye ngesidingo • Ukuqapha ukuchitheka kothuli futhi kusetshenziswe izindlela zokunciphisa imithelela kuye ngesidingo • Ukugcina izimoto nemishini kusesimweni esihle sokusebenziseka. 	Kuphakathi Nendawo/Kuphansi

UMSEBENZI	UMTHELELA ONGABA KHONA	UKUNCISHISWA KWEMITHELELA OKUNGENZEKA NOMA EZINYE IZINDLELA EZINGASE ZILANDELWE	UBUKHULU BOMTHELELA Ngemva Kokuncishiswa Kwawo Noma Ukulandelwa Kwenye Indlela (Amathuba Ezinsalela)
<ul style="list-style-type: none"> Imigwaqo yangaphakathi emayini 	Ukungcolisa komsindo	<p>Umgomo: ukuvimbela ukwanda okungamukeleki komsindo oyisiphazamiso nokunciphisa umsindo ongadingekile kulabo abaphazamiseka kalula ngangokunokwenzeka.</p> <p>Izinyathelo zokunciphisa imithelela zibandakanya lokhu:</p> <ul style="list-style-type: none"> Ukugcina izimoto nemishini kusesimweni esihle sokusebenziseka. Ukubhekela ukuqashwa komsindo mhla kuba nezikhalazo futhi kusetshenziswe isinyathelo esiyikhambi ukuze kuncishiswe umthelela uma kudingekile. 	Kuphakathi Nendawo/Kuphansi
<ul style="list-style-type: none"> Amashafu okufaka umoya-mpilo nemigodi yamanzi 	Imithelela engemihle yendawo nebonwa ngamehlo	<p>Umgomo: ukulinganisela imithelela engemihle ebonwa ngeso.</p> <p>Izinyathelo zokunciphisa imithelela zibandakanya lokhu:</p> <ul style="list-style-type: none"> Ukulinganisela izindawo eziphazamisekile. Ukunciphisa uthuli ukuze kuvinjelwe amafu adalwa ukushunqa kothuli. Ukuvuselela izindawo ezingasasetshenziswa. Ukulawulwa kokungcola ngempumelelo. Ukufaka uhlelo lokusetshenziswa ngempumelelo kokukhanya okunciphisa ukuchitha kokungcola okudalwa yizinto zokukhanyisa. Ukuvuselelwa ngempumelelo kwesiza sonkana kanye nendawo yokugcinwa kwemfucumfucu. 	Kuphakathi Nendawo/Kuphansi
<ul style="list-style-type: none"> Amajeneretha noma ngokunokwenzeka ipulanti yokufaka ugesi ophehlwa ngelanga 	Ukulahleka kokusetshenziswa kwezwe kwamanje	<p>Umgomo: ukuvimbela imithelela engamukeleki nengemihle kubasebenzisi bezwe abazungezile.</p> <p>Izinyathelo zokunciphisa imithelela zibandakanya lokhu:</p> <ul style="list-style-type: none"> Ukulawula ngempumelelo umsindo, uthuli, ikhwalithi yamanzi angaphezulu nangaphansi komhlaba, imithelela yezenhlalo nebonwa ngamehlo Ukuvuselelwa ngempumelelo kwesiza sonkana kanye nezindawo zokuchithwa kwezinsalela zokusetshenziswa kwezwe ngemva kokuvala. 	Kuphansi
	Ukusetshenziswa komgwaqo nezinqola okuhlobene nephrojekthi	<p>Umgomo: ukuvimbela ukulimala kwabanye abantu nezilwane ngenxa yezingozi zomgwaqo.</p> <p>Izinyathelo zokunciphisa imithelela zibandakanya lokhu:</p> <ul style="list-style-type: none"> Ukufundisa abasebenzi (bamatoho nabaqashwe unomphela) ngokuphepha komgwaqo. Ukuphoqelela amajubane omgwaqo aqinile ukudlula kuma-linear services corridors. Uma umuntu noma isilwane kulinyazwe imisebenzi yokuthutha, lokhu kuzosingathwa ngokuvumelana nokusabela 	Kuphansi

UMSEBENZI	UMTHELELA ONGABA KHONA	UKUNCISHISWA KWEMITHELELA OKUNGENZEKA NOMA EZINYE IZINDLELA EZINGASE ZILANDELWE	UBUKHULU BOMTHELELA Ngemva Kokuncishiswa Kwawo Noma Ukulandelwa Kwenye Indlela (Amathuba Ezinsalela)
<ul style="list-style-type: none"> I-Phase 1a Yezindlu Zasemayini Iyadi lokugcina izinto ezingasasetshen ziswa Amadamu Okulawula Ukungcola 	<p>Ukushatshalaliswa nokuphazanyiswa kwamagugu (kubandakanya nawendabuko) nangokwemvelo</p> <p>Umthelela kwezomnotho (umthelela omuhle)</p> <p>Umthelela wokuthutha kwabahlali kwangaphakathi</p>	<p>kwenqubo yezimo eziphuthumayo yeWesizwe ezokwakhiwa.</p> <p>Umgomo: ukuvimbela ukulahleka kwamagugu (kubandakanya angokwendabuko) okungase kubangelwe imisebenzi ehlongozwayo yokumba imayini.</p> <p>Izinyathelo zokunciphisa imithelela zibandakanya lokhu:</p> <ul style="list-style-type: none"> Ukulinganiseka ukuphazamiseka kwendawo ngangokunokwenzeka. Ukuqeqeshwa kwabasebenzi ngamagugu kanye nezindawo zendabuko ezingase zitholakale nangesidingo sokulondoloza lokhu. Ukwakha nokusebenzisa amathuba okuthola inqubo yezimo eziphuthumayo. <p>Umgomo: ukuthuthukisa imithelela emihle engokomnotho nokunciphisa engemihle.</p> <p>Izinyathelo zokunciphisa imithelela zibandakanya lokhu:</p> <ul style="list-style-type: none"> Ukuqasha abantu bendawo nokuvula amathuba okusetshenziswa kwempahla namasevisi endaweni ngangokunokwenzeka. Ukuqinisekisa ukuthi ukucatshangelwa kwezinhlelo zokuvala kubhekela ukuqeqeshwa kabusha kwamakhono abasebenzi, izenzakalo zokuvala ngaphambi kwesikhathi kanye nokuthatha isikhathi eside. <p>Umgomo: ukunciphisa ukuthutha kwangaphakathi kanye neminye imithelela ehlobene.</p> <p>Izinyathelo zokunciphisa imithelela zibandakanya lokhu:</p> <ul style="list-style-type: none"> Ukuxhumana okuphumelelayo nemiphakathi yendawo ukuze kulawulwe okulindelekile maqondana nemisebenzi kanye namanye amathuba. Ukusebenzisa uhlelo lokuqinisekisa ukuthi abasebenzi bathola indawo yokuhlala ehloniphekile enakekelwa ngokwanele. Ukuqeqeshwa kwabasebenzi ngezempilo nangezindaba ezihlobene nokuphepha. 	<p>Kuphakathi Nendawo/Kuphansi</p> <p>Kuphakathi Nendawo/Kuphansi</p> <p>Kuphakathi Nendawo/Kuphansi</p>

Uhlelo Locwaningo Ngokuhlola Komthelela Ongaba Khona Kwezemvelo

Imigomo eyinhloko yesigaba se-EIA kuzoba:

- Ukuhlola imithelela engaba khona ezintweni ezingokwendabuko, ezingamagugu, imithelela engokwenhlalo nengokomnotho nengokwemvelo yeprojekthi ngokuningiliziwe;
- Ukuthola nokuchaza izinqubo nezinyathelo ezizonciphisa imithelela engaba khona engathandeki nokuthuthukisa imithelela emihle engaba khona;
- Ukuxhumana nama-IAP kubandakanya neminyango ezindabeni eziphathelene neprojekthi ukuqinisekisa ukwenza ngokuvumelana neziqondiso nemithetho ekhona;
- Ukuxhumana nama-IAP nokuwahlinzeka ngethuba lokuhlola nokuphawula ngemiphumela yenqubo yokuhlola umthelela kwezemvelo kanye nokwamukela izinyathelo zokuncishiswa kwemithelela;
- Ukwakha uhlelo lokuphathwa kwezemvelo kanye nohlelo lokuvalwa/nokungaqhutshwa komsebenzi; kanye
- Nokuhlinzeka ngezinyathelo zokuqapha okuqhubekayo (kubandakanya ukugcinwa kwamabhuku ezemvelo) ukuze kuqinisekise ukuthi uhlelo lwale projekthi kanye nezinyathelo ezihlongozwayo zokunciphisa imithelela ziyalandelwa njengoba kuhlelwe kwi-EIA ne-EMPr.

Incazelo yemisebenzi ezokwenziwa ngesikhathi sesigaba se-EIA ihlinzekwe ngezansi ku-lenaneothalo la 0-1.

TABLE 0-2: IMISEBENZI NESIKHATHI ESINQUNYIWE SE-EIA

Isigaba	Umsebenzi we-EAP	Amathuba Okuxhumana Nokubamba Iqhaza		Uhlelo
		Amagunya Anehono	Ama-IAP, Iminyango Yombuso Nezinhlangano Zombuso	
Ukuhlola	Ukwethula umbiko wokuhlola kokucina emagunyeni	Amagunya Amukela umbiko wokuhlola NOMA engabe isigunyazo sezemvelo (izinsuku ezingu-43 zokwamukela)	Ukuphawula kwama-IAP kwi-FSR ngokuqondile kwi-CA nekhophi kwi-EAP	September – October 2015
Ukuhlola Kongoti Nezimvo	I-EAP izoqondisa imisebenzi yongoti ithole nezimvo ze-EIA.			June 2015 – January 2016
Isigaba Se-EIA	Ukuhlola imithelela kwezemvelo. Ukuhlanganisa uhlaka lwe-EIA nombiko we-EMP			January 2016
	Ukwethula uhlaka lombiko we-EIA emagunyeni ama-I&AP.	Ukuhlolwa kombiko owuhlaka we-EIA (izinsuku ezingu-30). Izimvo kwi-EAP	Ukuhlolwa kombiko wohlaka we-EIA (izinsuku ezingu-30). Izimvo kwi-EAP	February 2016
	Ukuhlela imihlangano kanye nokuxhumana nabathile	Imihlangano neziphathimandla phakathi ne-EIA uma kudingekile.	Umhlangano Wezimvo Zomphakathi. Ukuxhumana okugxilile nama-I&AP noma izikhulu ezisika elijikayo uma kudingekile.	

Isigaba	Umsebenzi we-EAP	Amathuba Okuxhumana Nokubamba Iqhaza		Uhlelo
		Amagunya Anehono	Ama-IAP, Iminyango Yombuso Nezinhlangano Zombuso	
	Ukusingatha izimvo zomphakathi nokuphuthula imibiko ye-EIA ne-EMPr			February - March 2016
Isigaba sokuhlola kwabasemagunyeni Nesokugunyaza	Umbiko wokugcina we-EIA kuZiphathimandla (ezinsukwini ezingu-106 ukusuka ekwamukelweni kombiko wokuhlola).	Amagunya Avuma Ukuthi Awutholile umbiko we-EIA (ezinsukwini ezingu-10).	Ukuhlolwa kombiko wokugcina we-EIA (ezinsukwini ezingu-30). Izimvo ku-CA	March 2016 – July 2016
		Isigunyazo Sezemvelo Siyanikezwa / Siyenqatshwa (ezinsukwini ezingu-107).		
			Izaziso kuma-I&AP ngokuphathelele nesigunyazo sezemvelo (siyanikezwa noma siyenqatshwa).	August 2016
Isigaba Sesikhalazo	I-EAP izohlizeka ngesiqondiso ngokuphathelele nenqubo yesikhalazo lapho kudingekile.	Ukuxhumana ngesikhathi sokusingathwa kwesikhalazo kuyafaneleka.	Ukwethula isikhalazo ngokwemibandela yoMthetho Wezikhalazo Kazwelonke	kuyahlukahluka

- **Proof of distribution of the draft scoping report and summaries to IAPs and regulatory authorities for review and comment**

Heritage Cases *Environmental Applications for Changes to Infrastructure at Bakubung Platinum Mine, Ledig, North West Province* has been updated.



Heritage Cases

VIEW EDIT

Environmental Applications for Changes to Infrastructure at Bakubung Platinum Mine, Ledig, North West Province

Add new comment Subscribe to: This post 287 reads

CaseHeader LocationInfo Admin

Status: SUBMITTED

HeritageAuthority(s): SAHRA
NWPHRA

Case Type: Section 38 (1) - Decision from Heritage Authority required

ProposalDescription:

Wesizwe Platinum Limited is the owner of Bakubung Platinum Mine. The Bakubung Platinum Mine received Environmental Authorisation in 2009. Wesizwe would now like to make several changes to the approved mine which require additional Environmental Authorisations, a Waste Management Licence and an additional Water Use Licence.

ApplicationDate: Wednesday, July 22, 2015 - 09:49

CaseID: 8148

Applicants: Wesizwe Platinum Limited

Consultants/Experts: Shelley Holt

OtherReferences:

Dept	CaseReference	DueDate	FinalDecision
------	---------------	---------	---------------

ReferenceList:

AdditionalDocuments

1. Background Information Document - Bakubung Mine
2. Draft Scoping Report for changes to Bakubung Mine
3. Appendice 1-4 of the Draft Scoping Report
4. Appendices 5.1-5.3 of the Draft Scoping Report
5. Appendices 5.4-5.5 of the Draft Scoping Report
6. Appendices 5.6-5.7 of the Draft Scoping Report
7. Appendices 6-8 of the Draft Scoping Report

Official Decisions & Comments

Date	Dec Status
29/07/2015	Letter



Chiara D'Egidio Kotze

From: Shelley Seton-Rogers
Sent: 13 October 2015 09:26 AM
Subject: SCOPING REPORT FOR ENVIRONMENTAL APPLICATIONS FOR CHANGES TO BAKUBUNG PLATINUM MINE, LEDIG, NORTH WEST
Attachments: Changes to Bakubung Platinum Mine Scoping Report for IAP review Oct 2015.pdf; Changes to Bakubung Platinum Mine Scoping Report - Setswana & Zulu Executive Summary - Oct 2015 .pdf
Importance: High

SCOPING REPORT FOR THE ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE, LEDIG, NORTH WEST PROVINCE

Dear Interested and Affected Parties

The Scoping Report has been completed for the Changes to Infrastructure at Bakubung Platinum Mine, Ledig, North West Province, and it is now available to interested and affected parties for review and comment.

A copy of the scoping report in English, and the translations of the report summary in Setswana and Zulu have been attached to this email. **Please note that the appendices have not been attached to this email due to their size. The appendices can be emailed to you on request.**

Hardcopies of the Scoping Report are available for public review at the Phatsima Library in Phatsima, the Bakubung Tribal Hall in Ledig and at the Wesizwe Information Centre on the R556 in Ledig. In addition, interested and affected parties can access the scoping report on the SLR / Synergistics website at www.synergistics.co.za. The report and appendices can be downloaded as follows:

1. Go to www.synergistics.co.za
2. Click on the **Report FTP** page
3. Enter the following **login details**: Username: synergistics ; Password: v9urweyf
4. Click on the **Changes to Bakubung Platinum Mine**.
5. The required reports can then be downloaded.

CDs and emailed copies of the report and appendices are also available on request.

The Scoping Report will be available for comment from **13 October 2015 until 13 November 2015**. If you would like to comment on the report or have any queries please ensure that these reach us on or before **13 November 2015**. All comments received will be included with the final scoping report for submission to the Department of Mineral Resources. Comments should be submitted to:

Chiara Kotze or Shelley Seton-Rogers at SLR Consulting
Post: PO Box 1596, Cramerview, 2060
Fax: 011 467 0978
Email: ckotze@slrconsulting.com / sholt@slrconsulting.com

SLR Consulting was responsible for completing the Scoping Report. Should you have any queries or require further information please don't hesitate to contact the undersigned.

Kind regards,
Shelley Seton-Rogers

Shelley Seton-Rogers

Environmental Assessment Practitioner
Synergistics - part of the SLR group

Email: sholt@slrconsulting.com
Mobile: +27 72 533 9636

Tel: +27 11 467 0945
Ext: 2038
Fax: +27 11 467 0978

SLR Africa (Block 7)
Fourways Manor Office Park
Cnr Roos and Macbeth Streets
Fourways, Johannesburg, 2060
South Africa



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0145733554	10-13 13:27	00:01:16	001/001	OK	

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Result OK: Communication OK, S-OK: Stop Communication, PW-OFF: Power Switch OFF, TEL: RX from TEL, NG: Other Error, Cont: Continue, No Ans: No Answer, Refuse: Receipt Refused, Busy: Busy, M-Full:Memory Full, LOVR:Receiving length Over, POVR:Receiving page Over, FIL:File Error, DC:Decode Error, MDN:MDN Response Error, DSN:DSN Response Error.



Project Reference: 710.23001.00007
Previous DMR Ref: NW30/5/1/2/2/339

File Ref. Bakubung Scoping rept for review -
faxee to IAPs - 12 10 2015.docx
Date: 13 OCTOBER 2015

ATTENTION:
HERBURT FEW
SWAARVERDIEND
014 5733 554

SCOPING REPORT FOR THE ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE, LEDIG, NORTH WEST PROVINCE

The Scoping Report has been completed for the Changes to Infrastructure at Bakubung Platinum Mine, Ledig, North West Province, and it is now available to authorities and interested and affected parties for review and comment.

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- Chiara Kotze or Shelley Seton-Rogers at SLR Consulting
- Post: PO Box 1596, Cramerview, 2060
- Fax: 011 467 0978 or
- Email: ckotze@slrconsulting.com / sholt@slrconsulting.com

SLR Consulting was responsible for completing the Scoping Report. Should you have any queries or require further information please don't hesitate to contact the undersigned.

Yours sincerely,
Chiara Kotze
Environmental Assessment Practitioner

SLR Consulting (Africa) (Proprietary) Limited

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Postal address: PO Box 1596, Cramerview, 2060, South Africa
Reg. No.: 2008/003379/07 VAT No.: 4300145827

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

Directors: (Executive): A James, B Stobart, S Dorman, S van Niekerk, A Pfeiffer, F van Heerden, A Sheppard (Non-Executive): K Farley, K Pieterse

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 MIX: Mixed Original TX, CALL: Manual TX, CSRC: CSRC, FWD: Forward, PC: PC-Fax,
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Project Reference: 710.23001.00007
 Previous DMR Ref: NW30/5/1/2/2/339

File Ref. Bakubung Scoping rept for review -
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 Date: 13 OCTOBER 2015

ATTENTION:
 ANNAH KGASWANE
 IMPALA PLATINUM MINES
 014-5697056

**SCOPING REPORT FOR THE ENVIRONMENTAL APPLICATIONS FOR CHANGES TO
 INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE, LEDIG, NORTH WEST PROVINCE**

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- Post: PO Box 1596, Cramerville, 2060
- Fax: 011 467 0978 or
- Email: ckotze@slrconsulting.com / sholt@slrconsulting.com

SLR Consulting was responsible for completing the Scoping Report. Should you have any queries or require further information please don't hesitate to contact the undersigned.



Yours sincerely,
Chiara Kotze
 Environmental Assessment Practitioner

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 Postal address: PO Box 1596, Cramerville, 2060, South Africa
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 Directors: (Executive): A James, B Stobart, S Dorman, S van Niekerk, A Pfeiffer, F van Heerden, A Sheppard (Non-Executive): K Fairley, K Petersen

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Project Reference: 710.23001.00007
Previous DMR Ref: NW30/5/1/2/2/339

File Ref. Bakubung Scoping rept for review -
faxes to IAPs - 12 10 2015.docx
Date: 13 OCTOBER 2015

ATTENTION:
ANTONIE LIT
SWART KOPPIES - SWAARVERDIEND
015 5733 553

SCOPING REPORT FOR THE ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE, LEDIG, NORTH WEST PROVINCE

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SLR Consulting was responsible for completing the Scoping Report. Should you have any queries or require further information please don't hesitate to contact the undersigned.


K
Kotze

Yours sincerely,
Chiara Kotze
Environmental Assessment Practitioner

SLR Consulting (Africa) (Proprietary) Limited

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Postal address: PO Box 1596, Cramerview, 2060, South Africa

Reg. No.: 3399/093-175/07 VAT No.: 4330345687

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

Directors (Executive): A James, B Stobart, S Oerman, S van Niekerk, A Pfeiffer, F van Heerden, A Sheppard (Non-Executive): K Farley, K Petersen

Addressee	Start Time	Time	Prints	Result	Note
0145731479	10-13 13:44	00:00:56	000/001	No Ans	

Note TMR: Timer TX, POL: Polling, ORG: Original Size Setting, FME: Frame Erase TX,
 MIX: Mixed Original TX, CALL: Manual TX, CSRC: CSRC, FWD: Forward, PC: PC-Fax,
 BND: Double-Sided Binding Direction, SP: Special original, FCODE: F-code, RTX: Re-TX,
 RLV: Relay, MBX: Confidential, BUL: Bulletin, SIP: SIP Fax, IPADR: IP Address Fax,
 I-FAX: Internet Fax

Result OK: Communication OK, S-OK: Stop Communication, PW-OFF: Power Switch OFF,
 TEL: RX from TEL, NG: Other Error, Cont: Continue, No Ans: No Answer,
 Refuse: Receipt Refused, Busy: Busy, M-Full: Memory Full,
 LOVR: Receiving length Over, POVR: Receiving page Over, FIL: File Error,
 DC: Decode Error, MDN: MDN Response Error, DSN: DSN Response Error.



Project Reference: 710.23001.00007
 Previous DMR Ref: NW30/5/1/2/2/339

File Ref. Bakubung Scoping rept for review -
 faxes to IAPs - 12 10 2015.docx
 Date: 13 OCTOBER 2015

ATTENTION:
 LEKA MONAMA
 ROYAL BAFOKENG PLATINUM, STYLDRIFT MINE
 014 5731479

SCOPING REPORT FOR THE ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE, LEDIG, NORTH WEST PROVINCE

The Scoping Report has been completed for the Changes to Infrastructure at Bakubung Platinum Mine, Ledig, North West Province, and it is now available to authorities and interested and affected parties for review and comment.

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1. Go to www.synergistics.co.za
2. Click on the **Report FTP page**
3. Enter the following **login details**: Username: synergistics ; Password: v9urweyf.
4. Click on the **Changes to Bakubung Platinum Mine**.
5. The required reports can then be downloaded.

CDs and emailed copies of the report and appendices are also available on request.

The Scoping Report will be available for comment from **13 October 2015 until 13 November 2015**. If you would like to comment on the report or have any queries, please ensure that these reach us on or before **13 November 2015**. All comments received will be included with the final scoping report for submission to the Department of Mineral Resources. Comments should be submitted to:

- Chiara Kotze or Shelley Seton-Rogers at SLR Consulting
- Post: PO Box 1596, Cramerview, 2060
- Fax: 011 467 0978 or
- Email: ckotze@slrconsulting.com / sholt@slrconsulting.com

SLR Consulting was responsible for completing the Scoping Report. Should you have any queries or require further information please don't hesitate to contact the undersigned.

Yours sincerely,
Chiara Kotze
 Environmental Assessment Practitioner

SLR Consulting (Africa) (Proprietary) Limited

Registered Address: Unit 7 Fourways Manor Office Park, 3 Macbeth Avenue, Fourways, 2055
 Postal address: PO Box 1596, Cramerview, 2060, South Africa
 Reg. No.: 1998/005379/07 VAT No.: 4500345687

Fourways Office: Physical address: Unit 7 Fourways Manor Office Park, 3 Macbeth Ave, Fourways / Postal address: P O Box 1596, Cramerview, 2060 / T: +27 11 467 0945 / F: +27 11 467 0978
 Directors (Executive): A James, B Stobart, S Dorman, S van Niekerk, A Pfeiffer, F van Heerden, A Sheppard (Non-Executive): K Farley, K Petersen

SABS
 1 5 0 9 0 0 1

CESA

Addressee	Start Time	Time	Prints	Result	Note
0145965061	10-13 13:51	00:00:55	000/001	No Ans	

Note TMR: Timer TX, POL: Polling, ORG: Original Size Setting, FME: Frame Erase TX,
 MIX: Mixed Original TX, CALL: Manual TX, CSRC: CSRC, FWD: Forward, PC: PC-Fax,
 BND: Double-Sided Binding Direction, SP: Special original, FCODE: F-code, RTX: Re-TX,
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 I-FAX: Internet Fax

Result OK: Communication OK, S-OK: Stop Communication, PW-OFF: Power Switch OFF,
 TEL: RX from TEL, NG: Other Error, Cont: Continue, No Ans: No Answer,
 Refuse: Receipt Refused, Busy: Busy, M-Full:Memory Full,
 LOVR:Receiving length Over, POVR:Receiving page Over, FIL:File Error,
 DC:Decode Error, MDN:MDN Response Error, DSN:DSN Response Error.



Project Reference: 710.23001.00007
 Previous DMR Ref: NW30/5/1/2/2/339

File Ref. Bakubung Scoping rept for review -
 faxes to IAPs - 12_10_2015.docx
 Date: 13 OCTOBER 2015

ATTENTION:
 LAZARUS DITSHWENE
 NUM
 014-5965061

**SCOPING REPORT FOR THE ENVIRONMENTAL APPLICATIONS FOR CHANGES TO
 INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE, LEDIG, NORTH WEST PROVINCE**

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1. Go to www.synergiastics.co.za
2. Click on the Report FTP page
3. Enter the following login details: Username: synergiastics ; Password: v9urweyf.
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- Post: PO Box 1596, Cramerview, 2060
- Fax: 011 467 0978 or
- Email: ckotze@slrconsulting.com / sholt@slrconsulting.com

SLR Consulting was responsible for completing the Scoping Report. Should you have any queries or require further information please don't hesitate to contact the undersigned.

Yours sincerely,
Chiara Kotze
 Environmental Assessment Practitioner

SLR Consulting (Africa) (Proprietary) Limited

Registered Address: Unit 7 Fourways Manor Office Park, 1 Macbeth Avenue, Fourways, 2055
 Postal address: PO Box 1596, Cramerview, 2060, South Africa
 Reg. No.: 2006/003379/07 VAT No.: 430034887

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

Directors: (Executive): A James, B Stehert, S Dorman, S van Niekirk, A Pfeiffer, F van Heerden, A Sheppard (Non-Executive), K Fairley, K Pieterse

Addressee	Start Time	Time	Prints	Result	Note
0145363124	10-13 13:45	00:00:52	000/001	Cont	
0145363124	10-13 14:05	00:00:56	000/001	No Ans	

Note TMR: Timer TX, POL: Polling, ORG: Original Size Setting, FME: Frame Erase TX,
MIX: Mixed Original TX, CALL: Manual TX, CSRC: CSRC, FWD: Forward, PC: PC-Fax,
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RLY: Relay, MBX: Confidential, BUL: Bulletin, SIP: SIP Fax, IPADR: IP Address Fax,
I-FAX: Internet Fax

Result OK: Communication OK, S-OK: Stop Communication, PW-OFF: Power Switch OFF,
TEL: RX from TEL, NG: Other Error, Cont: Continue, No Ans: No Answer,
Refuse: Receipt Refused, Busy: Busy, M-Full:Memory Full,
LOVR:Receiving length Over, POVR:Receiving page Over, FIL:File Error,
DC:Decode Error, MDN:MDN Response Error, DSN:DSN Response Error.



Project Reference: 710.23001.00007
Previous DMR Ref: NW30/6/1/2/2/339

File Ref. Bakubung Scoping rpt for review -
faxes to IAPs - 12 10 2015.docx
Date: 13 OCTOBER 2015

ATTENTION:
MANFRED SUHR
NW ECOFORUM
014 536 3124

SCOPING REPORT FOR THE ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE, LEDIG, NORTH WEST PROVINCE

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- Post: PO Box 1596, Cramerville, 2060
- Fax: 011 467 0978 or
- Email: ckotze@slrconsulting.com / sholt@slrconsulting.com

SLR Consulting was responsible for completing the Scoping Report. Should you have any queries or require further information please don't hesitate to contact the undersigned.



Yours sincerely,
Chiara Kotze
Environmental Assessment Practitioner

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 3196, Cramerville, 2060, South Africa
Reg. No.: 1998/005179/07 VAT No.: 639045807

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

Directors: (Executive): A James, S Stobart, S Dorman, S van Niekerk, A Pfeiffer, F van Heerden, A Sheppard (Non-Executive), K Farley, K Petersen

SABS
ISO 9001

 CESA

Addressee	Start Time	Time	Prints	Result	Note
0145555525	10-13 14:08	00:00:55	000/001	No Ans	

Note TMR: Timer TX, POL: Polling, ORG: Original Size Setting, FME: Frame Erase TX, MIX: Mixed Original TX, CALL: Manual TX, CSRC: CSRC, FWD: Forward, PC: PC-Fax, BND: Double-Sided Binding Direction, SP: Special Original, FCODE: F-code, RTX: Re-TX, RLV: Relay, MBX: Confidential, BUL: Bulletin, SIP: SIP Fax, IPADR: IP Address Fax, I-FAX: Internet Fax

Result OK: Communication OK, S-OK: Stop Communication, PW-OFF: Power Switch OFF, TEL: RX from TEL, NG: Other Error, Cont: Continue, No Ans: No Answer, Refuse: Receipt Refused, Busy: Busy, M-Full:Memory Full, LOVR:Receiving length Over, POVR:Receiving page Over, FIL:File Error, DC:Decode Error, MDN:MDN Response Error, DSN:DSN Response Error.



Project Reference: 710.23001.00007
Previous DMR Ref: NW30/5/1/2/2/339

File Ref. Bakubung Scoping rept for review -
faxes to IAPs - 12 10 2015.docx
Date: 13 OCTOBER 2015

ATTENTION:
STEPHEN DALE
PILANESBERG GAME RESERVE
014 555 5525

SCOPING REPORT FOR THE ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE, LEDIG, NORTH WEST PROVINCE

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- Post: PO Box 1596, Cramerview, 2060
- Fax: 011 467 0978 or
- Email: ckotze@slrconsulting.com / sholt@slrconsulting.com

SLR Consulting was responsible for completing the Scoping Report. Should you have any queries or require further information please don't hesitate to contact the undersigned.

Yours sincerely,
Chiara Kotze
Environmental Assessment Practitioner

SLR Consulting (Africa) (Proprietary) Limited

Registered Address: Unit 7 Fourways Manor Office Park, 1 Macbeth Avenue, Fourways, 2055
Postal address: PO Box 1596, Cramerview, 2060, South Africa
Reg. No.: 1998/005178/07 VAT No.: #300142287

Fourways Office: Physical address: Unit 7 Fourways Manor Office Park, 1 Macbeth Ave, Fourways / Postal address: P O Box 1596, Cramerview, 2060 / T: +27 11 467 0945 / F: +27 11 467 0978
Directors: (Executive): A James, B Stobart, S Durman, S van Niekerk, A Pfeiffer, F van Heerden, A Sheppard (Non-Executive): K Farley, K Petersen

Addressee	Start Time	Time	Prints	Result	Note
0145551625	10-13 14:09	00:00:30	001/001	OK	

Note TMR: Timer TX, POL: Polling, ORG: Original Size Setting, FME: Frame Erase TX,
MIX: Mixed Original TX, CALL: Manual TX, CSAC: CSAC, FWD: Forward, PC: PC-Fax,
BND: Double-Sided Binding Direction, SP: Special Original, FCODE: F-code, RTX: Re-TX,
RLY: Relay, MBX: Confidential, BUL: Bulletin, SIP: SIP Fax, IPADR: IP Address Fax,
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Result OK: Communication OK, S-OK: Stop Communication, PW-OFF: Power Switch OFF,
TEL: RX from TEL, NG: Other Error, Cont: Continue, No Ans: No Answer,
Refuse: Receipt Refused, Busy: Busy, M-Full: Memory Full,
LOVR: Receiving length Over, POVR: Receiving page Over, FIL: File Error,
DC: Decode Error, MDN: MDN Response Error, DSN: DSN Response Error.



Project Reference: 710.23001.00007
Previous DMR Ref: NW30/51/2/2/339

File Ref. Bakubung Scoping rpt for review -
faxes to IAPs - 12 10 2015.docx
Date: 13 OCTOBER 2015

ATTENTION:
J MAOKA
PILANESBERG NATIONAL PARK
0145551625

SCOPING REPORT FOR THE ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE, LEDIG, NORTH WEST PROVINCE

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- Email: ckotze@slrconsulting.com / sholt@slrconsulting.com

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Yours sincerely,
Chiara Kotze
Environmental Assessment Practitioner

SLR Consulting (Africa) (Proprietary) Limited

Registered Address: Unit 7 Fourways Manor Office Park, 3 Macbeth Avenue, Fourways, 2055
Postal address: PO Box 1596, Cramerview, 2060, South Africa
Reg. No.: 1998/005179/07 VAT No.: 438015827

Fourways Office: Physical address: Unit 7 Fourways Manor Office Park, 3 Macbeth Ave, Fourways / Postal address: P O Box 1596, Cramerview, 2060 / T: +27 11 467 0945 / F: +27 11 467 0978

Directors (Executive): A James, S Stobart, S Derman, S van Niekerk, A Pfeiffer, F van Heerden, A Sheppard (Non-Executive): R Farley, K Petersen

Addressee	Start Time	Time	Prints	Result	Note
014555525	10-13 14:22	00:00:56	000/001	No Ans	

Note TMR: Timer TX, POL: Polling, ORG: Original Size Setting, FME: Frame Erase TX,
MIX: Mixed Original TX, CALL: Manual TX, CSRC: CSRC, FWD: Forward, PC: PC-Fax,
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TEL: RX from TEL, NG: Other Error, Cont: Continue, No Ans: No Answer,
Refuse: Receipt Refused, Busy: Busy, M-Full: Memory Full,
LOVR: Receiving length Over, POVR: Receiving page Over, FIL: File Error,
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Project Reference: 710.23001.00007
Previous DMR Ref: NW30/5/1/2/2/339

File Ref. Bakubung Scoping rept for review -
faxes to IAPs - 12_10_2015.docx
Date: 13 OCTOBER 2015

ATTENTION:
MIKE CROWTHER
PILANESBERG GAME RESERVE
014 555 5525

SCOPING REPORT FOR THE ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE, LEDIG, NORTH WEST PROVINCE

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Yours sincerely,
Chiara Kotze
Environmental Assessment Practitioner

SLR Consulting (Africa) (Proprietary) Limited

Registered Address: Unit 7 Fourways Manor Office Park, 1 Macbeth Avenue, Fourways, 2055

Postal address: PO Box 1596, Cramerville, 2060, South Africa

Reg. No.: 3998/003375/07 VAT No.: 4390345887

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Directors (Executive): A James, B Stobart, S Durman, S van Nickerk, A Phelifer, F van Heerden, A Sheppard (Non-Executive): K Farley, K Petersen

SABS
ISO 9001

CESA

Addressee	Start Time	Time	Prints	Result	Note
0867262841	10-13 14:23	00:01:37	001/001	OK	

Note TMR: Timer TX, POL: Polling, ORG: Original Size Setting, FME: Frame Erase TX,
 MIX: Mixed Original TX, CALL: Manual TX, CSRC: CSRC, FWD: Forward, PC: PC-Fax,
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Project Reference: 710.23001.00007
 Previous DMR Ref: NW30/5/1/2/2/339

File Ref. Bakubung Scoping rept for review -
 faxes to iAFAs - 12_10_2015.docx
 Date: 13 OCTOBER 2015

ATTENTION:

LESEGO MONNAKGOTLA
 BAKUBUNG-BA-RATHEO TRADITIONAL COUNCIL
 0867262841/ 0866126494

**SCOPING REPORT FOR THE ENVIRONMENTAL APPLICATIONS FOR CHANGES TO
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Yours sincerely,
Chiara Kotze
 Environmental Assessment Practitioner

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Directors: (Executive): A James, B Stobbs, I Derman, S van Neskik, A Pfeiffer, F van Heerden, A Sheppard (Non-Executive): K Farley, G Pieterse

Addressee	Start Time	Time	Prints	Result	Note
0145555525	10-13 14:25	00:00:56	000/001	No Ans	

Note TMR: Timer TX, POL: Polling, ORG: Original Size Setting, FME: Frame Erase TX,
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Project Reference: 710.23001.00007
 Previous DMR Ref: NW30/5/1/2/2/339

File Ref. Bakubung Scoping rept for review -
 faxes to IAPs - 12 10 2015.docx
 Date: 13 OCTOBER 2015

ATTENTION:
 SARAH MAHOKA
 PILANESBERG GAME RESERVE
 014 555 5525

SCOPING REPORT FOR THE ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE, LEDIG, NORTH WEST PROVINCE

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2. Click on the Report FTP page
3. Enter the following login details: Username: synergistics ; Password: v9urweyf.
4. Click on the Changes to Bakubung Platinum Mine.
5. The required reports can then be downloaded.

CDs and emailed copies of the report and appendices are also available on request.

The Scoping Report will be available for comment from **13 October 2015 until 13 November 2015**. If you would like to comment on the report or have any queries, please ensure that these reach us on or before **13 November 2015**. All comments received will be included with the final scoping report for submission to the Department of Mineral Resources. Comments should be submitted to:

- Chiara Kotze or Shelley Seton-Rogers at SLR Consulting
- Post: PO Box 1596, Cramerview, 2060
- Fax: 011 467 0978 or
- Email: ckotze@slrconsulting.com / sholt@slrconsulting.com

SLR Consulting was responsible for completing the Scoping Report. Should you have any queries or require further information please don't hesitate to contact the undersigned.

Yours sincerely,
 Chiara Kotze
 Environmental Assessment Practitioner

SLR Consulting (Africa) (Proprietary) Limited

www.slrconsulting.com

Registered Address: Unit 7 Fourways Manor Office Park, 3 Macbeth Avenue, Fourways, 2055

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Fourways Office: Physical address: Unit 7 Fourways Manor Office Park, 3 Macbeth Ave, Fourways / Postal address: P O Box 1596, Cramerview, 2060 / T +27 11 467 0945 / F +27 11 467 0978

Directors (Executive): A James, B Stobart, S Dorman, S van Niekerk, A Pheffer, F van Heerden, A Sheppard (Non-Executive): K Fairley, K Petersen

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Addressee	Start Time	Time	Prints	Result	Note
0866126494	10-13 14:26	00:02:48	001/001	OK	

Note TMR: Timer TX, POL: Polling, ORG: Original Size Setting, FME: Frame Erase TX,
MIX: Mixed Original TX, CALL: Manual TX, CSAC: CSAC, FWD: Forward, PC: PC-Fax,
BND: Double-Sided Binding Direction, SP: Special Original, FCODE: F-Code, RTX: Re-TX,
RLY: Relay, MBX: Confidential, BUL: Bulletin, SIP: SIP Fax, IPADR: IP Address Fax,
I-FAX: Internet Fax

Result OK: Communication OK, S-OK: Stop Communication, PW-OFF: Power Switch OFF,
TEL: RX from TEL, NG: Other Error, Cont: Continue, No Ans: No Answer,
Refuse: Receipt Refused, Busy: Busy, M-Full:Memory Full,
LOVR:Receiving length Over, POVR:Receiving page Over, FIL:File Error,
DC:Decode Error, MDN:MDN Response Error, DSN:DSN Response Error.



Project Reference: 710.23001.00007
Previous DMR Ref: NW30/5/1/2/2/339

File Ref. Bakubung Scoping rpt for review -
faxes to IAPs - 12 10 2015.docx
Date: 13 OCTOBER 2015

ATTENTION:
LESEGO MONNAKGOTLA
BAKUBUNG-BA-RATHEO TRADITIONAL COUNCIL
0867262841 / 0866126494

SCOPING REPORT FOR THE ENVIRONMENTAL APPLICATIONS FOR CHANGES TO INFRASTRUCTURE AT BAKUBUNG PLATINUM MINE, LEDIG, NORTH WEST PROVINCE

The Scoping Report has been completed for the Changes to Infrastructure at Bakubung Platinum Mine, Ledig, North West Province, and it is now available to authorities and interested and affected parties for review and comment.

Authorities and interested and affected parties can access the scoping report on the SLR / Synergistics website at www.synergistics.co.za. The report and appendices can be downloaded as follows:

1. Go to www.synergistics.co.za
2. Click on the **Report FTP page**
3. Enter the following **login details**: Username: synergistics ; Password: v9urweyf.
4. Click on the **Changes to Bakubung Platinum Mine**.
5. The required reports can then be downloaded.

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The Scoping Report will be available for comment from **13 October 2015 until 13 November 2015**. If you would like to comment on the report or have any queries, please ensure that these reach us on or before **13 November 2015**. All comments received will be included with the final scoping report for submission to the Department of Mineral Resources. Comments should be submitted to:

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SLR Consulting was responsible for completing the Scoping Report. Should you have any queries or require further information please don't hesitate to contact the undersigned.



Yours sincerely,
Chiara Kotze
Environmental Assessment Practitioner

SLR Consulting (Africa) (Proprietary) Limited

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Directors: (Executive) A James, B Stobart, S Dorman, S van Niekerk, A Pfeiffer, F van Heerden, A Sheppard (Non-Executive) K Fairley, K Petersen

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