

PLATREEF RESOURCES TSAMAHANSI PUBLIC MEETING - MEETING MINUTES

FOR

ENVIRONMENTAL AUTHORISATIONS FOR THE PROPOSED PLATREEF UNDERGROUND MINE PROJECT, NEAR MOKOPANE IN THE LIMPOPO PROVINCE

Project No: PLA1677

Date: 7 July 2013

1 PRESENT:

Community members from Tshamahansi were represented at the meeting. The general public were also free to attend this meeting. Attendance registers are attached to these minutes (Appendix A)

Table 1: Project Team

John Dombo	Platreef	Government and Community Liaison Officer
Steve Horak	Digby Wells	Public Participation
Evidence Simango	Digby Wells	Minute Taker
Freddy Mkhari	Barnstone	Translator

2 MEETING PROCEDURE

2.1 Welcome and Introductions

10:10 – 10:18 John Dombo

Everyone was welcomed and thanked for the opportunity provided. The project team was introduced and it was highlighted that Digby Wells will be presenting the ESIA process as the appointed independent Environmental Assessment Practitioner (EAP).

2.2 Meeting Presentation

10:19 – 11:20	Steve Horak, – Digby Wells (Presenter)
11:20 – 12:30	KJ Baloyi, District Municipality Councillor (facilitator)
	Freddy Mkhari, Barnstone (Translator)

See attached for the presentation that was used during the meeting (Appendix B).

Digby Wells and Associates (South Africa) (Pty) Ltd (Subsidiary of Digby Wells & Associates (Pty) Ltd). Co. Reg. No. 2010/008577/07. Fern Isle, Section 10, 359 Pretoria Ave Randburg Private Bag X10046, Randburg, 2125, South Africa Tel: +27 11 789 9495, Fax: +27 11 789 9498, info@digbywells.com, www.digbywells.com

> Directors: A Sing*, AR Wilke, LF Koeslag, PD Tanner (British)*, AJ Reynolds (Chairman) (British)*, J Leaver*, GE Trusler (C.E.O) *Non-Executive

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3 COMMENTS RAISED

Comments raised by stakeholders during the meeting and responses provided are included as part of Table 2.



Table 2: Stakeholder Comments

NAME AND SURNAME	VILLAGE/ORGANISATION	COMMENT	RESPONSE
Mr Thomas Ngove	Tshamahansi / Maceke Village	The translator did not do a good job, in future please provide good translations for the people.	We apologise for the translation and, will provide better translation for the stakeholder meetings in the future.
Mr Thomas Ngove	Tshamahansi / Maceke Village	May you please consider using radio for advertising the meeting in the future as the elderly people cannot read newspapers but do listen to the radio.	Digby Wells will consider using radio advertisements in the future for advertising the meetings.
Mr M.J Maluleke	Tshamahansi / Hlongwane Village	Can there be a facility made available in Tshamahansi where all documents relating to the project can be obtained from.	Platreef is in a process of building a community liaison centre in Tshamahansi and will use this centre for distributing information.
Mr Percy Mtileni	Tshamahansi	Can Digby Wells bring printouts of the presentation to the stakeholder meetings?	Digby Wells did not know how the turn out would be at the meetings and therefore no printouts were made. The presentation will be available from the headmen for those who are interested in reading it.
Mrs Saniky Nyaluka	Tshamahansi / Maceke Village	Why has anyone not mentioned the 1 million rand which was mentioned at the previous BEEE meetings?	The 1 million rand refers to the BEE trusts which need to be established, representing the communities of Maceke, Hlogwane and Baloyi of Tshamahansi. Each trust will receive 1 million rand to be managed on behalf of the communities. This meeting will only be focussed on the Environmental and Social Impact Assessment (ESIA) and not the BEE trusts.
Mr Johanes Maluleke	Tshamahansi / Maceke Village	With regards to meeting invitations, some people received SMS and others did not, May you please clarify why not everyone got an SMS invite?	The SMS were sent to all the people on the Interested and Affected Party (I&AP) database.
Mr Nyoni	Tshamahansi	Can Platreef consider doing career exhibitions in the local schools?	A program has been proposed to schools to hold exhibitions on mining.
Mr Ngoveni	Tshamahansi / Hlongwane	Where will the rock dump be situated?	The specialist studies undertaken for the ESIA will assist to determine where the rock dump

Platreef Resources Tsamahansi Public Meeting - Meeting Minutes





NAME AND SURNAME VILLAGE/ORGANISATION		COMMENT	RESPONSE					
			will be situated.					
Mr Percy Mtileni	Tshamahansi	Are there any protected areas located within the project area?	We are only aware of a game reserve located nearby the project area.					
Mr Sarel	Tshamahansi / Maceke Village	What is Platreef's contingency plan for employment of local youths?	Platreef together with the Department of Labour will come to Tshamahansi to register people, mainly the youth, to provide opportunities for potential training those who qualify.					
Mr Simon Maluleke	Tshamahansi	Will the mine employ uneducated/ unskilled people?	The skills audit process with the Department of Labour will determine whether skilled or unskilled people will be employed.					
Mr Simon Maluleke	Tshamahansi / Hlongwane	How will the community benefit from the mine?	Platreef is in talks with the Department of Education to potentially build a school of excellence in the area.					
Ms Anicky Ngoveni	Tshamahansi	Will the mine employ disabled people?	Platreef does not discriminate and therefore, disabled people will be employed.					
Mr Oupa Mathye Hlogwane	Tshamahansi	Is Tshamahansi included in the numbers that are going to be employed on the mine?	Yes, the affected villages will be given preference for employment opportunities.					
Mr Sarel	Tshamahansi	Why does Rietfontein not appear in the list of farms in the mining right application?	Rietfontein does not appear because there are no mining rights or mining right application on this property, However, it forms part of National Environmental Management Act (NEMA) application as it will be used for mine surface infrastructure.					
Mrs Rikhotso Hlogwani	Tshamahansi	What road safety measures are to be put in place?	A traffic impact assessment will be undertaken and the necessary mitigation measures to ensure road safety will be developed and implemented.					
Mr Khazamula Ngoveni Maceke	Tshamahansi	Will dust from the mining area / activities cause diseases?	A detailed air quality impact assessment will be undertaken to determine the air quality as well as potential dust which mining operations may cause.					
Mr John Baloyi Hlongwane	Tshamahansi	Some community members have their private boreholes; will they still have water available in the boreholes during mining?	A detailed groundwater impact assessment will be conducted to obtain the needed baseline information for groundwater in the area. The potential impact on affected boreholes will be					







NAME AND SURNAME	VILLAGE/ORGANISATION	COMMENT	RESPONSE
			determined at part of this study.
Mr khazamula Ngoveni Maceke	Tshamahansi	Will grave sites be affected by blasting activities?	A blasting impact assessment will be conducted and the final results for this study will be incorporated in the final Environmental Impact Assessment / Environmental Management Plan (EIA/EMP). These will highlight how blasting should be undertaken considering the potential impacts on graves.
Mr Peter Nkuna	Tshamahansi	Will blasting activities affect nearby houses?	A blasting impact assessment study will be conducted to determine potential blasting impacts.
Mrs Laena Baloyi	Tshamahansi	When will feedback from the previous meetings be given?	The previous meetings held dealt with the Bulk Sample application from the DMR and feedback will be given to communities as soon as feedback is received from authorities.



DIGBY WELLS ENVIRONMENTAL

ATTENDANCE REGISTER

PUBLIC MEETING TSHAMAHANSI

ENVIRONMENTAL IMPACT ASSESSMENT FOR THE PROPOSED PLATREEF UNDERGROUND MINE

6 July 2013

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Attendance Register ESIA for the Proposed Platreef Underground Mine

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ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT FOR THE PROPOSED PLATREEF UNDERGROUND MINE



NEMA ref No: 12/1/9/2-W32; LIM/EIA/000538/2013, NEMWA ref no: 12/9/11/L1224/5, MPRDA ref no: LP30/5/1/2/2/10067MR

> PUBLIC MEETING July 2013

AGENDA

- Welcome, Introductions and Objectives
- Background and Description of the Project
- Content of the Draft Scoping Reports
- Public Participation Process
- Questions and Answers

Platreef Resources



INTRODUCTIONS Platreef **Digby Wells Environmental** - John Dombo Steve Horak

Barnstone

– Werner Botha

- Freddy Mkhari

- Evidence Simango
- **Golder Associates Africa**
 - Collen Monokofala





ROLE OF CONSULTANTS

- · Digby Wells, together with Golder Associates, has been appointed as independent consultants to undertake the EIA/EMP, PP processes and relevant specialist investigations for the proposed Platreef Underground Mine for a Mining Right Application and other licenses
- Digby Wells, supported by Barnstone, will independently facilitate the consultation process between Interested and Affected Parties (I&APs) and Platreef

Platreef Resources



MEETING OBJECTIVES

- To present to I&APs the Draft Scoping Reports content
- To capture comments from I&APs on the Draft **Scoping Reports**
- To obtain suggestions for the impact assessment and public participation processes going forward

Platreef Resources









BACKGROUND

- Platreef is currently 90%-owned by Ivanplats and 10%owned by Itochu
- This structure will change should the Mining Rights be awarded to include the proposed BBBEE Partners (74%/26%)
- Platreef owns prospecting rights over these farms:
 Traformult 244 KP
 - Turfspruit 241 KR
 - Macalacaskop 243 KR
- Platreef has been prospecting for more than 15 years for platinum and associated Platinum Group Metals
- The various applications for the project have been submitted

Platreef Resources

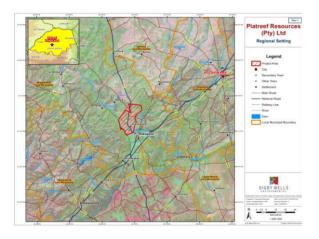
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LOCATION

- The project site is approximately 10km north of Mokopane
- The study area includes the farms Macalacaskop 243 KR, Turfspruit 241 KR and Rietfontein 2 KS
- All the farms fall within the Mogalakwena Local Municipality in the Waterberg District Municipality of the Limpopo Province

Platreef Resources Ivanplats





MINING METHOD

- Highly mechanised, bulk underground mining methods will be used to mine the reef
- There will be a production shaft and ventilation shafts
- The ore mined may be crushed underground
- All ore and waste will be hoisted from the mine via the production shaft
- Ore is then sent to a concentrator plant for processing
- Concentrate will primarily consist of Platinum, Palladium, Rhodium, Gold and Nickel

Platreef Resources



PROCESSING AND LABOUR

- Initially, all the concentrate will be sold to local smelters for further beneficiation with the possibility of a Platreef owned smelter in the future
- The life of mine is expected to be 30 years based on a 3 million ton a year production rate
- In the order of ± 2,000 people will be employed at full production
- Platreef developed a Social and Labour Plan to addresses socio-economic development and employment

Platreef Resources



INFRASTRUCTURE

Workshops

River crossings

Power lines

Euclistorage facilitie

Pipelines

The proposed mine will have the following above ground structures, but is not limited to:

- Concentrator plant
- Shafts and headgear
 - Waste rock dump
 - Tailings storage facility
- Change houses
- A waste management site . Roads
- Raw water storage dams Stores
- Pollution control dams

 Control rooms
- Offices and training centre
 Medical station

Platreef Resources Ivanplats

.



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WATER, POWER AND ROADS

- Amount of raw water required is approximately 8 000 – 10 000 cubic litres per day (m³/day) – Lebalelo Water Users Association will supply the water
- Power supply is currently being investigated with Eskom, to increase the power supply to 63 Mega Watts (MW)
- The project site will be accessed from the N11 and the R518 to transport equipment onto and off the site

Platreef Resources



ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT PROCESS





PURPOSE

- In order for any mining and mining related activities to commence, Environmental Authorisation is required
- An Environmental and Social Impact Assessment (ESIA)
 must be conducted
- Purpose of the Environmental Authorisation Process:
 - To identify potential environmental impacts (social and biophysical) and determine their likely significance
 - To ensure public involvement
 - To inform Platreef's and the Government's decisionmaking

Platreef Resources



REGULATORY REQUIREMENTS

- Legislative requirements for the ESIA include:
 - National Environmental Management Act (Act No. 107 of 1998) (NEMA)
 - Minerals and Petroleum Resources
 Development Act (Act No. 28 of 2002) (MPRDA)
 - National Environmental Management: Waste Act (Act No. 59 of 2008) (NEM:WA)
 - National Water Act (Act No. 36 of 1998) (NWA)
 - National Heritage Resources Act (Act No. 25 of 1999) (NHRA)
- Platreef Resources







PUBLIC REVIEW

Draft Scoping Reports are available for public review is from 21 June to 1 August 2013 at the following places.

	Printed Copies	
Name	Location	Contact
Rifilwe Madisa	Mogalakwena Public Library, corner Van Riebeeck and Pretorius Streets	015 491 9729
Lucy Mashetisho	Mahwelereng Public Library, Mahwelereng Village	078 628 3326
	Electronic Copies	
Steve Horak	www.digbywells.com	011 789 9495
Steve Horak	Phone and request a CD copy	011 789 9495
	Also available in directly affected Villages	

COMMENTS ON DRAFT SCOPING REPORTS

- Captured at public meetings and comment sheets
- All comments responded to in the Comments and Response Report (CRR)
- Scoping Reports and Plan of Study for ESIA will be revised considering I&AP comments
- All comments will be included in Final Scoping Reports submitted to authorities







Platreef Resources



TOPOGRAPHY/VISUAL

Aspect

- Proposed project area is relatively flat with the exception of the mountainous area in the north-eastern corner and several isolated ridges
- Potential Impact
 - The construction of infrastructure such as the production shaft, concentrator plant and a tailings storage facility may have a visual impact
- ESIA Study
 - Determine the visual impact of mine infrastructure on the area

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SOIL, LAND USE & LAND CAPABILITY

Aspect

- Dominating land capability arable
- Predominant present land uses include agriculture and housing, with agriculture dominated by grazing
- Potential Impacts
 - Potential contamination from accidental spillages
 - Removal of topsoil can cause erosion
 - Changes in land use
- ESIA Study
 - Determine soil type and depth
 - Determine soil quality

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PLANTS

- The three vegetation types occur within the study area
 - Clay thorn bushveld
- Mixed bushveld
 - Waterberg (moist) mountain bushveld
- Potential Impacts

Aspect

- Removal of vegetation
- Possible introduction of invader species
- Habitat destruction
- ESIA Study
 - Identify the plants (medicinal, protected etc.) in the project area including protected species
- Determine the conservation importance of the plants
 Platreef Resources
 Ivanplats DIGBY WELLS

ANIMALS

- Aspect - Protected species found on site
 - Grey Rhebok
 - Yellow-spot Dassie
 - Yellowbilled Stork
 - African Spoonbill
 - Red Data species might be present
- Potential Impacts
 - Removal of vegetation = Habitat degradation/destruction
- ESIA Study
 - Identify the animals in the project area and determine their importance/vulnerability

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- Dirty stormwater runoff from the sub-vertical shaft area and other mining infrastructure area such as the workshops and the plant

Potential Impact

FSIA Study

Aspect

- Determine the health and importance of the rivers/stream and wetlands

AQUATIC ECOSYSTEMS & WETLANDS

Rooisloot, Ngwaditse and Dithokeng Rivers

Two types of systems were identified:

• Mogalakwena River floodplain



SURFACE WATER

- Aspect
 - 4 main water courses drain across/adjacent study area
 - The Rooisloot, Dorps and Ngwaditse Rivers and Dithokeng stream. These flow into the Mogalakwena River
- Potential Impacts
 - Siltation because of erosion
 - Accidental spillages of hazardous materials/dirty water
- ESIA Study
 - Sample water from the rivers/streams to determine the quality
 - Analyse rainfall and climate to develop a water management plan for the mine (water quantity)

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GROUNDWATER

Aspect

- Turfspruit and Macalacaskop are mainly underlain by intergranular and fractured aquifers
- Rietfontein underlain by sedimentary rocks of the Transvaal Sequence and basement granite
- Potential Impacts
 - Seepage from TSF and PCDs
 - Accidental oil or fuel spillages from machinery
 - Dewatering of underground mining areas
- ESIA Study

Aspect

- Investigate how much water is available and how to limit impacts on the groundwater

NOISE

Vehicular traffic on the main roads, livestock,

 Ambient daytime noise level in the communities are mostly below the SANS guidelines for suburban districts

concentrator plant and associated infrastructure

intermittent periods of noise from children (during

- Noise levels are currently characterised by:

specific times of the day)

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AIR QUALITY

- Aspect
 - The ambient concentrations of suspended particulates highlight the impact of seasonal changes on dust load in the atmosphere
- Potential Impact
 - Dust generation from
 - Soil stripping
 - · Machinery and vehicle movement
- ESIA Study
 - Dust fallout monitoring to see how much dust is in the air - Together with climate and topography, determine
- directions where dust will travel





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- To determine the impact that the mining activities might have on the noise levels in the area

- Construction vehicles, heavy machinery, production shaft,

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ESIA Study

Potential Impacts

ARCHAEOLOGY AND HERITAGE

- Aspect
 - Include tangible, physical material culture that was left behind and intangible, living heritage of the people that still inhabit the region
- Potential Impacts
 - Relocation of graves
 - Demolition of old structures and removal of paleontological structures
 - Removal of artefacts and demolishing of structures with archaeological significance
- ESIA Study
 - Identify and investigate all archaeological and heritage sites

Determine the significance of each finding
 Platreef Resources
 Ivanplats



SOCIO-ECONOMIC ENVIRONMENT

- Aspect
 - Land owner: Government of the Republic of South Africa
- Traditional Authority has jurisdiction over the land
 Potential Impacts
 - Negative impacts: Loss of access to arable land, population influx, pressure on resources/infrastructure, impacts to cultural heritage, land claim issues
 - Positive impacts: Direct economic development; indirect economic benefit and local investment; skills development
- ESIA Study
 - Determine the impact of the mine on the people living in the area and the local economy





BASELINE HEALTH ASSESSMENT

- ESIA Study
 - Consider the potential future health impacts of the project on people
 - Determine the existing health needs of the community based on health strategies, infrastructure programs, service priorities, delivery plans and challenges
 - Recommend measures to avoid/mitigate negative and enhance positive impacts resulting from the project at the relevant project stage



DIGB	YWELL
ENVIR	ONMENTA

PUBLIC PARTICIPATION PROCESS

The Public Participation Process is an essential component for any ESIA process to ensure I&APs are provided with an opportunity to contribute meaningfully to the ESIA process. Digby Wells, supported by Barnstone, will facilitate the PPP and any comments received from I&APs will be recorded.



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WHAT IS PUBLIC PARTICIPATION

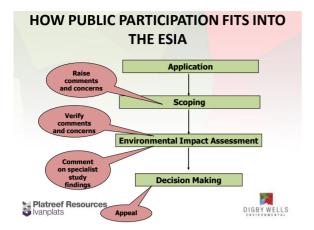
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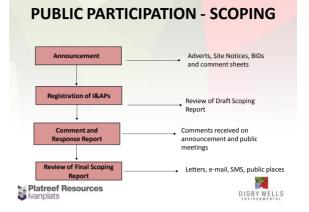
- stakeholders
- technical specialists
- the authorities
- the proponent

Platreef Resources

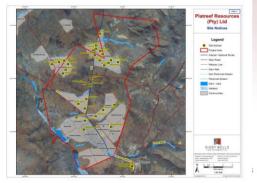








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- Bosvelder
- Noordelike Nuus
- Limpopo Mirror
- Seipone

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