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Case no: 1832

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**PROPOSED CONSTRUCTION OF A DOMESTIC WASTE DISPOSAL SITE ON THE  
REMAINDER OF THE FARM TURFBULT 404 KQ, NORTH WEST PROVINCE**

Prepared for: Provincial Manager, SAHRA; North West

To whom it may concern:

You are hereby invited to comment on the Scoping report for the above mentioned project as required by the National Environmental Management Act 107 of 1998, GN385; Section 56 (2)(b) iii, iv and v. Please submit your comments in writing to the email address or to the fax number below within 30 days of receiving this letter and attached report.

Thank you

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Celebrating 10 Years!



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DISPOSAL SITE ON THE REMAINDER OF THE FARM  
TURFBULT 404 KQ, NORTH WEST PROVINCE**

**DRAFT ENVIRONMENTAL SCOPING REPORT**

**Prepared for:** North West Department of Agriculture, Conservation and Environment (NWDACE)

**On behalf of:** Anglo Platinum (Pty) Ltd.  
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22 April 2010

Director: PN van der Merwe B Sc(Hon) B Sc (Hon) Environmental Management

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## **1 BACKGROUND INFORMATION ON THE PROJECT**

Rock Environmental Consulting (Pty) Ltd is an independent environmental consultant, and has been appointed to conduct the Environmental Impact Assessment process in terms of Regulation 56 of the Regulations published in Government Notice R385 of 21 April 2006 published in terms of Chapter 5 of the National Environmental Management Act (Act No. 107 of 1998). Rock Environmental Consulting submitted an Application for Environmental Authorization to the Department of Agriculture, Conservation, Environment and Rural Development (the dacerd) on 10 November 2009. Acknowledgement of Receipt by the Department was received on 16 November 2009 with the reference number: NWP/EIA/135/2009 (Appendix 1).

### **1.1 Details of the Environmental Assessment Practitioner (EAP)**

This Scoping Report was compiled by Arno van den Berg from Rock Environmental Consulting(Pty)Ltd. who has 1 year experience in the field and recently obtained his Masters degree in Environmental Management (M.Sc.) at the University of Johannesburg. The report was compiled under supervision of the Director of Rock Environmental Consulting (Pty) Ltd., Pieter van der Merwe B.Sc.(Hons), B.Sc.(Hons) Environmental Management who has over 15 years experience in the field of environmental management.

### **1.2 The study process followed**

The content and format of this report, like the whole EIA process, is according to the guidelines set out by the national and provincial environmental authorities. This section provides a brief explanation of the most relevant policy, legal and administrative requirements according to which the EIA process is conducted. The purpose is to illustrate that the consultant and the developer are both aware of the legal requirements and will comply with the necessary legislation.

**Table 1: Statutory requirements as set out by the Department Environmental Affairs and Tourism:**

<b>Legislation, policy or guideline:</b>	<b>Administering authority:</b>	<b>Date:</b>
National Environmental Management Act No. 107 of 1998	The Department of Environmental Affairs and Tourism AND The North West Department of Agriculture, Conservation, Environment and Rural Development	27 November 1998
Government Notice No. 385 and 387 of 21 April 2006.	The Department of Environmental Affairs and Tourism	1 July 2006
Guideline 3: General guide to the Environmental Impact Assessment Regulations, 2006	The Department of Environmental Affairs and Tourism	June 2006
Guideline 4: Public participation in support of the Environmental Impact Assessment Regulations, 2006	The Department of Environmental Affairs and Tourism	May 2006
Guideline 5: Assessment of Alternatives and Impacts, in support of the Environmental Impact Assessment Regulations, 2006	The Department of Environmental Affairs and Tourism	June 2006

The technical process followed includes site visits, identification and assessment of biophysical elements in the study area, identification of potential environmental and social impacts, and the mitigation of these, and the compilation of an Environmental Scoping Report, Environmental Impact Assessment Report and Environmental Management Plan. The Public Participation Process followed includes the placement of legal notices of the environmental process (in the form of both a press advertisement and a notice on-site), dissemination of information to stakeholders and I&APs and meeting(s) with I&APs.

### 1.3 Study objective and project motivation

The Environmental Scoping Report will focus on all the possible issues and impacts associated with the proposed development. The applicant is currently operating a functional domestic waste disposal site on the Anglo Platinum mine property, Union mine, Swartklip. The proposed new domestic landfill site was put forward as a future planning tool to provide for airspace in the near future. The existing domestic landfill site will reach its maximum capacity within the next year. The Applicant aims at a management strategy of the new domestic waste disposal site that will lower risk for locals working the dumping site. New facilities for sorting of materials will be incorporated into the design of the new waste disposal site. Many social benefits will be created through this management system and the Applicant wishes to plow money from this sorting and selling of materials into the local community.

It is not expected that the project will have serious long term impacts on the environment as construction will be limited to small clustered disposal. The project will have a positive impact on the social and economic environment of the area, not only by providing / creating jobs, but also as an economic investment in the area.

## 1.4 Locality and Study area

The site is the Remainder of the farm Turfbult 404 KQ, west of Northam on the R510, Moses Kotane local municipality, North West. The property is located in an area characterized by mining land. The mine occupy an area of approximately 5700ha. Please see attached detailed locality map in Appendix 2.

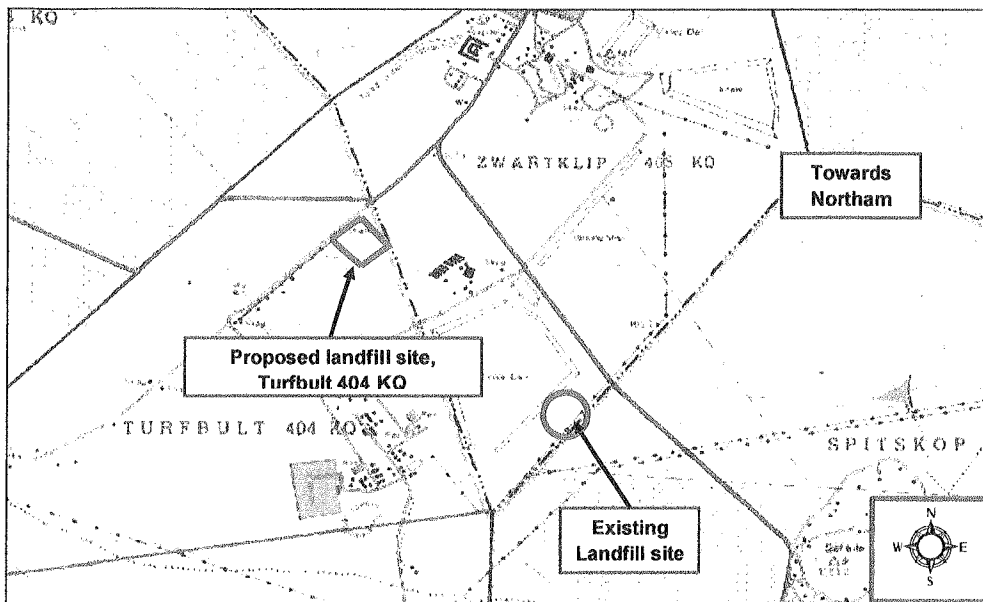


Figure 1: A 1: 50 000 birds eye view of the proposed study site.

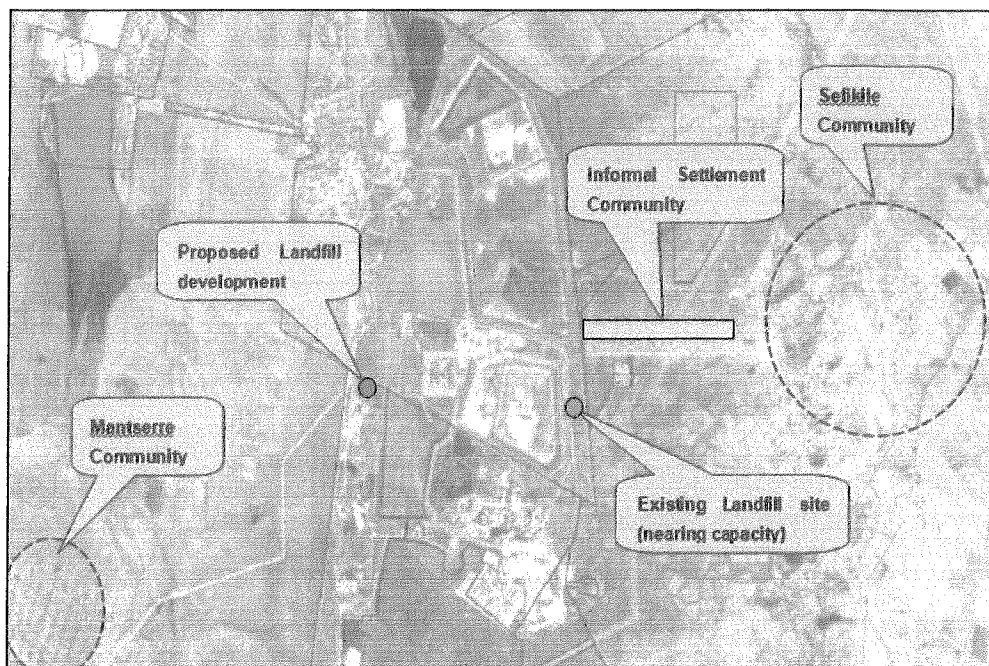


Figure 2: Birds eye view of the proposed landfill site as per satellite image

## 2 PROJECT DESCRIPTION

The application is for the proposed construction of a domestic waste disposal site on the Remainder of the farm Turfbult 404 KQ, North West province. Due to the increase demand in airspace for domestic waste, the applicant has determined that it would be the best option to apply for a new waste disposal site.

**Table 2: Listed activities under which the application was lodged:**

Number and date of notice:	Activity number:	Description of listed activity:
GN No. 387 of 21 April 2006	1(o)	The final disposal of general waste covering an area of 100 square meters or more or 200 cubic meters or more of airspace.

The Disposal site will be build on mining land. Please see the site layout for details of the proposed positions of the landfill site on the mine, attached as Appendix 3. THE design plan is not yet available and will me available with the EIA report. The waste disposal site will include facilities for sorting of recyclable products such as plastics, metals and glass. The required associated structures such as internal roads will also form part of the design.

### 2.1 Solid waste

During construction all solid waste will be used for filling and leveling on site. Little construction waste will be produced by the construction phase as the digging and earth moving exercise has already taken place from the mining activities. No construction waste will remain after construction is complete. During the operational phase 700 to 800 tonnes (4200 m<sup>3</sup> to 4800 m<sup>3</sup>) domestic waste will be disposed of per month. The solid waste will be general waste of nature and will finally be disposed off in the waste disposal site. Many to all of the recyclables will be gathered and sorted, to be sold for the upliftment of the community.

## 2.2 Service Provisions

- Access road: The existing un-tarred road will be used for access to the site.



### 3 POTENTIAL ALTERNATIVES TO THE PROPOSED PROJECT

The proposed positions for the domestic waste disposal site are indicated as Site A and the alternatives as Site B and Site C on the layout plan as indicated in Figure 3.

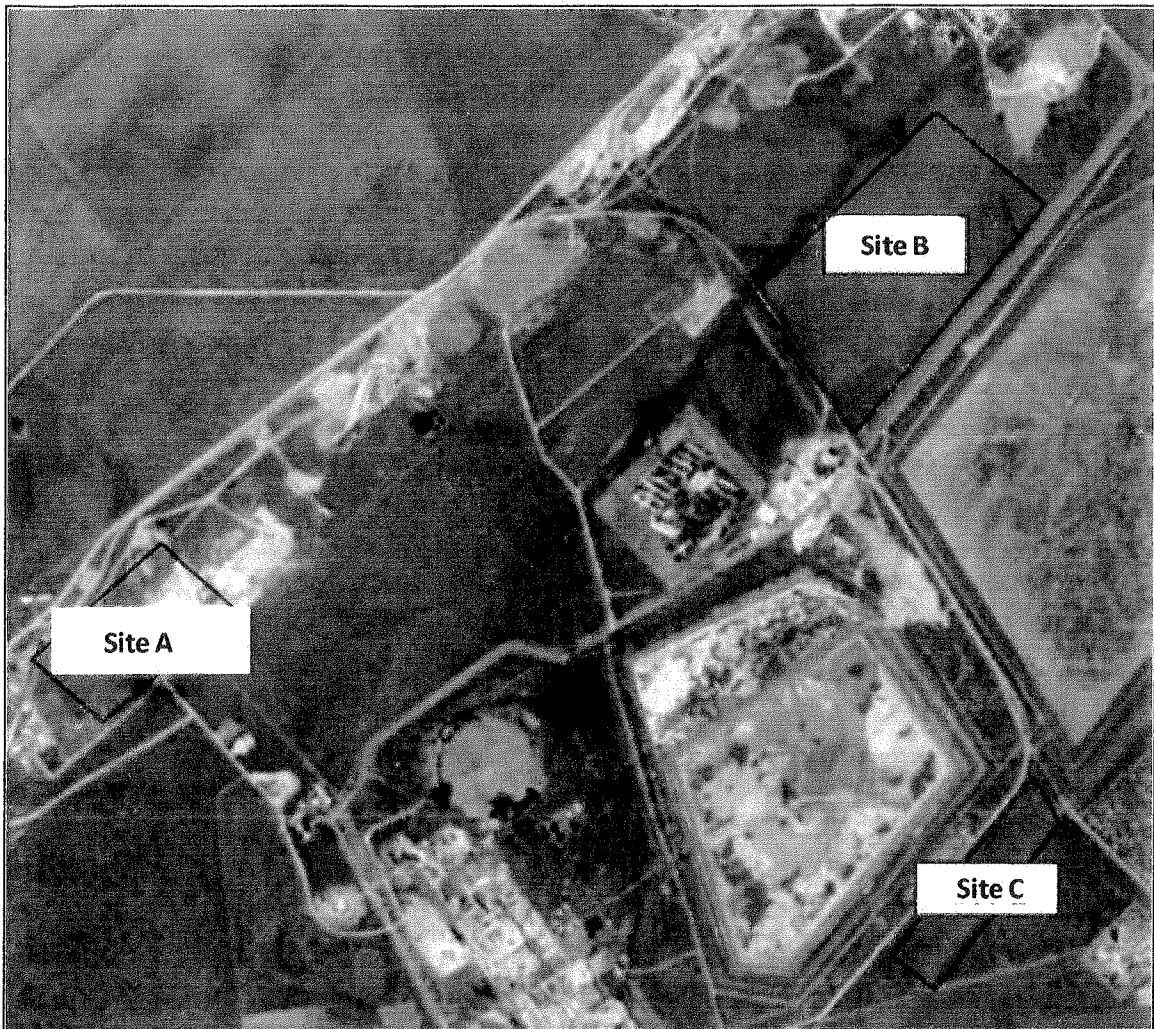


Figure 3: Layout plan for the proposed disposal site indicated as Site A with the two alternatives (Site B and Site C).

#### 3.1 No-go option

The situation where the environment is left in its present condition and no interference is attempted; therefore the *status quo* is maintained. With the no-go option the mine will not have enough capacity for their current waste disposal activities in the near future. This option will not create more jobs in the area.

### 3.2 Alternative 1 (Site B)

An alternative site has been identified, indicated as Site B on the layout plan. Alternative Position 1 ( Site B) is located on a piece of natural land. Alternative Position 2 (Site C) is located south of Site B, but is bordering the existing mining dumps.

The proposed site ( Site A) is located close to the access road of the mine and would be situated inside old digging operations. This area is ideal for the waste disposal site as no vegetation clearance is necessary. The proposed site is situated deep inside the mine boundaries which allows better control off scavengers, resulting in better management of Mine health and Safety.

## 4 BRIEF ENVIRONMENTAL DESCRIPTION

### 4.1 Climate

The Union mine falls within a summer rainfall, dry winter region. Average summer precipitation from October to March each year is ~ 85 mm/month with a peak of ~ 121 mm during February ( Table 3). Average winter precipitation is substantially less at 10.0 mm/month with the least rain falling during July. The mean annual precipitation (MAP) ranges from 500-600mm.

Table 3: Average monthly precipitation of Union Section Mine

Month	Precipitation (mm/month)	Month	Precipitation (mm/month)
October	50	April	28
November	82	May	16
December	87	June	10
January	97	July	1
February	121	August	3
March	71	September	2

### 4.2 Topography and surface drainage

Topography relates to the configuration of the land surface and is described in terms of differences in elevation, slope and landscape position (lay of the land). Topography is an important feature of natural ecosystems since it creates a variety of microenvironments, which lend diversity to systems.

The general gradient of the site is flat and generally undulating with characteristically low hills and wide open plains, with the highest elevation point being 1160m (southern corner) and the lowest point 970m (northern corner).

Surface drainage is not fed by groundwater as DWAF studies indicate baseflow in the area is 0 m<sup>3</sup>/a (DWAF, 2005). This is substantiated by periods of no flow during the dry months. The Bierspruit Dam, located some 3.5 km north-west of the Old Ivan Slimes Dam, has also been dry during the low rainfall period (Anglo Platinum, 2004; 2005)

### **4.3 Geology, land types and soil conditions**

The site is located on the gabbros, norites, anorthosites and pyroxenites of the Main and Critical Zone of the Rustenburg Layered Suite, which in turn belongs to the western limb of the Bushveld Igneous Complex. These plutonic igneous rocks are coarse grained and generally consist of calcic plagioclase, pyroxene and olivine. The anorthosites consist of > 90 % plagioclase feldspar, with naturally high concentrations of sodium (Na) and calcium (Ca). The gabbros are low in silica but high in magnesium (Mg) and Ca. Na and potassium (K) content is low (Whitten and Brooks, 1972). The pyroxenites consist mainly of ferromagnesian pyroxenes.

The soil overlying the area consists of black turf (clayey) typical of this area and reddish sandy soils. The former is a result of weathering of the underlying bedrock. The black turf has a very high potential for expansion when wet and shrinkage on drying. These properties result in this clayey material readily swelling and decreasing its natural permeability. The black turf attains a thickness of some 1 to 2m.

The hydrogeology of the area is structurally controlled by numerous NW-SE trending faults and dolerite intrusions within the otherwise relatively impermeable Bushveld rocks (Figure 6). Most of the structural discontinuities are on dip and occur mainly in the southern half of the Mine.

The main aquifers are associated with the weathered zone, as well as the fractured contacts of dolerite sills and dykes, and with faults. The degree of weathering associated with structural intrusions is known to vary with rock type, being the greatest in the pyroxenite rocks and less intensive within the gabbro-norites, which comprise most of the sub-outcrop.

### **4.4 Land use character of surrounding area**

The area surrounding the site is characterized by the following: mining, natural veldt, rural residential, railway line and agriculture.

### **4.5 Flora of the study area**

The site falls into the Central Bushveld Dwaalboom Thornveld (SVcb1) as classified by Rutherford and Munica (2006). The vegetation and landscape features is characterized by plains with layer of scattered, low to medium high, deciduous microphyllous trees

and shrubs with a few broad leaved tree species and an almost continuous herbaceous layer dominated by grass species. *Acacia tortillas* and *Acacia nilotica* dominate on the medium clays and on particularly heavy clays, most other woody plants are excluded. The site contains no vegetation as it is to be located on a previously open cast mine area.

#### **4.6 Elements of culture historical importance**

There are no elements of cultural or historical importance on the site. The proposed waste disposal site will be located on an previously mined open cast mine. Therefore no structures exist at all on this site.

*Need a 1/2 of  
elevation image.*

## 5 ANTICIPATED AND IDENTIFIED IMPACTS

### 5.1 Impacts during construction

#### 5.1.1 POTENTIAL FOR GROUNDWATER POLLUTION

It is possible that oil and fuel leaks from construction vehicles (possibly during servicing) could pollute ground water. This is because the oil or fuel could seep through the ground and pollute the water.

#### 5.1.2 POTENTIAL FOR SURFACE WATER POLLUTION

No surface water is present on the site. Activities such as clearing and grubbing, and topsoil removal will loosen the soils. These loose soils as well as construction material such as fine aggregate could lead to sedimentation of the water bodies through storm water run-off. Construction activities such as concrete mixing and asphalt batching could have a potential pollution impact if these are washed to water bodies or drainage channels during a rainfall event.

#### 5.1.3 POTENTIAL IMPACT ON VEGETATION

No vegetation will have to be removed on site, as the landfill site will be build on an earlier excavated mine. No natural occurring vegetation exist on the site.

#### 5.1.4 SOIL EROSION

This impact will be minimal as the site is relatively flat and already disturbed. Soil is already bare soil and dug out holes exist. The soil must be stabilized during construction.

#### 5.1.5 CULTURAL / HISTORICAL SIGNIFICANCE OF THE SITE

No culturally / historically significant features are located on the mine and proposed waste disposal site.

#### 5.1.6 IMPACTS ON FAUNA

The fauna in the proposed area for development includes a few bird species. These birds may be disturbed during the construction phase, but will be able to return once construction is complete. No red data animal species were observed in the development footprint during the site visit.

#### 5.1.7 NOISE POLLUTION

Noise is generated by construction activities such as vehicle movement and other activities. Excessive noise is part of the daily activities as this is a mining site of nature.

#### 5.1.8 AIR POLLUTION

The negative air pollution impacts caused by the development during construction will include vehicle exhaust emissions and dust. Construction activities such as the movement of construction vehicles generate dust. The dust will influence air quality in the immediate vicinity of the construction activity.

#### 5.1.9 VISUAL POLLUTION

Construction waste and litter from construction workers could be a source of visual pollution.

#### 5.1.10 TRAFFIC SAFETY

Traffic impacts of the proposed development would be created by the movement of construction vehicles and other vehicles to and from the development. There is various traffic safety measures already in place as the waste disposal site will be located on an existing mine. The Union mine has their own Health and Safety program in place, as well as traffic regulations.

#### 5.1.11 EMPLOYMENT OPPORTUNITIES CREATED

A significant impact is the short-term wealth expectation created by any development project. New employment opportunities will be created in the development / construction phase of the activity. Direct local community involvement must take place. Unskilled labour should be used during the construction process, and it could be recommended that labour intensive construction methods be employed as far as possible, with an adequate transfer of skills. The construction phase and local involvement in it creates an unsustainable economic situation and short-term dependence for the majority of workers, but there is the possibility of a select number of workers being employed permanently by the development's management. During the construction phase 98% of employment benefits of this development will go towards previously disadvantaged individuals.

### **5.3 Impacts during decommissioning / closure**

#### **5.3.1 SQUATTERS**

Squatters may use the site and its structures as a place to dwell. This poses a potential environmental threat in terms of safety and health of the dwellers and squatters. It should be noted that the mine has strict access parameters.

#### **5.3.2 VISUAL IMPACT**

The site may become a derelict “eye sore” if not properly worked and managed. A good management plan need to be implemented in the construction and operational phases. The Environmental Impact Assessment will provide for such an Environmental Management Plan

### **5.4 Cumulative Impacts**

#### **5.4.1 AIR POLLUTION AND ODOURS**

Odours will contribute to attracting flies to the area and this could potentially lead to disease spread. Air pollution through carbon dioxide and methane release could lead to acceleration in the long term of global warming.

#### **5.4.2 EMPLOYMENT OPPORTUNITIES CREATED**

The creation of employment opportunities would lead to improving the livelihood of those employed, particularly previously disadvantaged individuals, as well as their families. The proposed disposal site could potentially add very slightly to these impacts; however the direct and cumulative impacts are expected to be insignificant if the mitigation measures are put in place and the EMP is adhered to.



## 6 METHODOLOGY TO BE USED

Table 4: Impact significance methodology:

SIGNIFICANCE ASSESSMENT METHODOLOGY	
The significance of Environmental Impacts are assessed in accordance with the following method:	
Significance is the product of probability and severity. <u>Probability</u> describes the likelihood of the impact actually occurring, and is rated as follows:	
● Improbable	- Low possibility of impact to occur either because of design or historic experience. Rating = 2
● Probable	- Prominent possibility that impact will occur. Rating = 3
● Highly probable	- Most likely that impact will occur. Rating = 4
● Definite	- Impact will occur regardless of any prevention measures. Rating = 5
The severity rating is calculated from the factors given to intensity and duration. Intensity and duration factors are awarded to each impact, as described below.	
The Intensity factor is awarded to each impact according to the following method:	
● Low intensity	- Nature and/or man made functions not affected and a minor impact may occur. Factor 1
● Medium intensity	- Environment affected but natural functions and processes can continue though often in a slightly altered manner. Factor 2
● High intensity	- Environment affected to the extent that natural functions are altered to the extent that it will temporarily or permanently cease. Factor 4

Duration is assessed and a *factor* awarded in accordance with the following:

- Short term - ≤ 1 to 5 years      **Factor 2**
- Medium term - 5 - 15 years      **Factor 3**
- Long term - Impact will only cease after the operational life of the activity, either because of natural process or by human intervention.      **Factor 4**
- Permanent - Mitigation, either by natural process or by human intervention, will not occur in such a way or in such a time span that the impact can be considered transient.      **Factor 5**

The severity rating is obtained from calculating a severity factor, and comparing the severity factor to the rating in the table below, for example:

$$\begin{aligned}
 \text{The Severity factor} &= \text{Intensity factor} \times \text{Duration factor} \\
 &= 2 \times 3 \\
 &= 6
 \end{aligned}$$

A Severity factor of 6 (six) equals a Severity Rating of Medium severity (Rating 3) as per table below:

TABLE : SEVERITY RATINGS

RATING	FACTOR
Low Severity (Rating 2)	Calculated values 2 to 4
Medium Severity (Rating 3)	Calculated values 5 to 8
High Severity (Rating 4)	Calculated values 9 to 12
Very High Severity (Rating 5)	Calculated values 13 to 16 and more
Severity factors below 3 indicate no impact	

A Significance Rating is calculated by multiplying the Severity rating with the Probability rating:

The significance rating should influence the development project as described below:

- Low significance (calculated Significance Rating 4 to 6)
  - Positive impact and negative impacts of low significance should have no influence on the proposed development project
- Medium significance (calculated Significance Rating  $\geq 7$  to 12)
  - POSITIVE IMPACT:  
Should indicate that the proposed project should be approved
  - Negative impact:  
Should be mitigated or mitigation measures should be formulated before the proposed project can be approved
- High significance (calculated Significance Rating  $\geq 13$  to 18)
  - Positive impact:  
Should point towards a decision for the project to be approved and should be enhanced in final design
  - Negative impact:  
Should weigh towards a decision to terminate proposal, or mitigation should be formulated and performed to reduce significance to at least low significance rating.

Very High significance (calculated Significance Rating  $\geq 19$  to 25 and more)

- Positive impact:  
Positive indication that the project should be approved.
- Negative impact:  
This weighs towards that if mitigation cannot be effectively implemented, proposal should be terminated.

## 7 SPECIALIST STUDIES TO BE CONDUCTED

The following specialist studies have been conducted and will be included in the Environmental Impact Assessment Report:

- Geo-Hydrology Study.

Additional specialist studies will be conducted at the request of the North West Department of Agriculture, Conservation and Environment (NWDACE) in response to the Scoping report and Plan of Study

## **8 PUBLIC PARTICIPATION**

### **8.1 Introduction**

The steps followed as part of the Public Participation process were carried out in terms of Regulation 56 of the Regulations as published in Government Notice R385 of 21 April 2006 published in terms of Chapter 5 of the National Environmental Management Act (Act No. 107 of 1998). These steps have so far included identification of Interested and Affected Parties (I&APs), fixing of 10 site notice board, giving written notice to stakeholders of the proposed project in the form of a Background Information Document, placing an advertisement in 3 local newspaper, conducting a public meeting to answer questions from the public on the proposed project, as well as take note of any comments on or objections to the project. This draft report is currently available for public view for a period of one month.

### **8.2 The public participation process**

The Public Participation Process included the placement of legal notices of the environmental process (in the form of both a press advertisement and a notice on-site), dissemination of information to stakeholders and I&APs in the form of distributing Background Information Documents (BIDs) on the proposed project, meeting(s) with I&APs and giving registered I&APs an opportunity to look at the draft Scoping Report and comment on it.

### **8.3 Objectives of the public participation process**

The main objectives of the Public Participation process are to identify Interested and Affected Parties, provide those identified I&APs with information on the proposed project on a continuous basis and to receive and address any comments, objections and questions on the project, as part of the application process. It is of key importance that the whole process be conducted in a transparent way.

The Public Participation process does not necessarily aim to promote agreement amongst I&APs or quell possible opposition against a project. However, it is important that I&APs are involved as early as possible in the process to ensure informed decision-making and effective participation throughout the study.

## 8.4 Public participation process followed

### 8.4.1 IDENTIFICATION OF KEY INTERESTED AND AFFECTED PARTIES

Key Interested and Affected Parties identified at the beginning of the process included owners and occupiers of land adjacent to the site and/or within 100m of the boundary of the site, the municipal councilors of the ward in which the site is situated, respective chiefs of the tribal authorities, and Anglo platinum Union Section Mine. Please see Appendix 6 for the list of registered I&APs.

### 8.4.2 COMPILATION AND DISTRIBUTION OF THE BACKGROUND INFORMATION DOCUMENT (BID)

The purpose of the Background Information Document (BID) is to notify identified parties, in terms of Regulation 56 of the Regulations as published in Government Notice R385 of 21 April 2006 published in terms of Chapter 5 of the National Environmental Management Act (Act No. 107 of 1998), of the Environmental Impact Assessment Process for the proposed construction of a domestic waste disposal site (Class GMB-) on the Anglo Platinum Union Section Mine, on the Remaining portion of the farm Turfbult 404KQ, Moses Kotane Municipality, North West Province.

The document is meant to present stakeholders with an opportunity to register as Interested and Affected Parties and to comment on the perceived biophysical and social impacts regarding the process and proposed activity, which are to be addressed during the environmental assessment, planning, construction and operation phases. It also aims to provide an opportunity for I&APs to exchange information and to focus the study on reasonable and relevant issues, relating to environmental considerations.

BIDs (in English) were distributed to representatives of Anglo Platinum Union Mine Environmental Section that is familiar with the community surrounding the mine. These representatives send the BIDs out to relevant stakeholders in the community including ward councilors and chiefs of the tribal authorities.

In the BID parties were given background information on the proposed development and informed of the public meeting to be held on 09 February 2010. I&APs were requested to submit comments in writing no later than 09 March 2010. Please find a copy of the BID, as well as a Proof of Receipt Register (Appendix 7).

#### 8.4.3 PLACEMENT OF THE PRESS ADVERTISEMENT

The press advertisement appeared in the Rustenburg Herald, Sowetan and Daily sun all on 29 January 2010. Please see Appendix 8 for proof of press advertisements.

#### 8.4.4 PLACEMENT OF ON-SITE NOTICES

Eight site notice was placed in and around the property. Two site notices were also placed at the Union mine itself. It was placed where the EAP deemed it most visible to the public. Please see Appendix 9 for photos of site notice.

#### 8.4.5 PUBLIC MEETING

A public meeting was held on Thursday 9 February 2010 at 10:00 at the Union Mine Recreation Club. I&APs were invited to attend the public meeting to receive additional information and ask relevant questions. It also gave the Environmental Assessment Practitioner (EAP) the opportunity to take note of any concerns that the public had. Please see Appendix 10 for the Attendance Register of the public meeting.

#### 8.4.6 FEEDBACK FROM I&APS

I&APs were requested to submit any comments or objections, and contact details of additional I&APs that they would like to be involved in the process, to the EAP in writing within a period of 30 days from the date of the public meeting (closing date for comments was 19 February 2010). I&APs were informed in the BID that comments received would be addressed in the draft Scoping Report, which in turn would also be made available for comment. Please see Appendix 11 for written comments received from I&APs and Appendix 12 for the minutes of the public meeting held on 8 March 2007.

## 8.5 Addressing the comments and questions received from the interested and affected parties

Comments and response from I&APs on receipt of the BID documents

**Table 5: Comments received from I&APs based on the BID distributed, as well as responses to those comments:**

I&AP	COMMENT	RESPONSE
Mr E.K. Malatji (Sefikile youth)	Wanted to exclaim that his farm is situated 180 meters from the dumping site. He is worried about burning of different materials and how this would affect the climate	Noted. There will be no burning of waste on the waste disposal site permitted.

Comments and responses from I &APs during the public meeting

**Table 6: Comments and questions raised at the public meeting:**

I&AP	COMMENT	RESPONSE
Mr E.K. Malatji (Sefikile youth)	Mr Maltatji wanted to know if the activity will provide work for the rural community	Noted. REC responded that the activity could in the long run, have financial benefits to the rural community

**Table 7: Comments received from I&APs based on the draft Scoping Report made available for public view, as well as responses to those comments:**

I&AP	COMMENT	RESPONSE
N/A- COMMENTS WILL BE INCLUDED AS SOON AS THE DRAFT SCOPING REPORT HAS BEEN OUT ON PUBLIC VIEW	N/A- COMMENTS WILL BE INCLUDED AS SOON AS THE DRAFT SCOPING REPORT HAS BEEN OUT ON PUBLIC VIEW	N/A- COMMENTS WILL BE INCLUDED AS SOON AS THE DRAFT SCOPING REPORT HAS BEEN OUT ON PUBLIC VIEW



## **8.6 Conclusions of the Public Participation Exercise**

The process has thus far aimed, and will continue to aim, to promote participation and transparency as a priority. Registered I&APs were notified that the draft Scoping Report was available for public view for a period of 30 days. Comments received based on the draft Scoping Report will be incorporated and addressed in the final Scoping Report. Steps still to be followed pertaining to public participation include making the draft Scoping report available for public view, compilation of the Final Scoping report, EIA Report and draft EMP available for public view for a period of 30 days, and incorporating comments on the draft EIA Report and draft EMP into the final EIA Report to be submitted. Also included will be addressing any questions and requests from I&APs as far as is reasonable and possible.

## 9 CONCLUSION

The purpose of this Environmental Scoping Report has been threefold:

- To provide a general project description and an overview of the proposed development activities on site.
- To provide a description of all the important environmental and biophysical elements of the study terrain.
- To provide descriptions of all anticipated / identified biophysical and social impacts that could potentially occur as a result of the proposed development.

An Environmental Impact Assessment process (EIA) for the proposed construction of a domestic waste disposal site (Class GMB-) on the Anglo Platinum Union Section Mine, on the Remaining portion of the farm Turfbult 404KQ, Moses Kotane Municipality, North West Province will follow this environmental scoping process. All anticipated and potential impacts that have been identified for the proposed development will be evaluated in terms of their significance during the EIA process. Measures to mitigate the potentially negative impacts of certain aspects to be carried out on site will also be formulated during the EIA process and through the compilation of an effective Environmental Management Plan (EMP).

The essence of any EIA process is aimed at ensuring informed decision-making and environmental accountability, as well as to assist in achieving an environmentally sound and sustainable development. This is achieved by conducting an analysis of the potential impacts that a proposed development may have on the physical, environmental and social aspects of the concerned area (as has been conducted during this environmental scoping process). In order to minimize the potential impacts associated with the proposed development, an Environmental Management Plan (EMP) is to be compiled, which must be implemented in order to sufficiently mitigate the anticipated impacts to an acceptable level.

This environmental Scoping Report has given an account of the environmental qualities and attributes of the study area and has described the details of the proposed development in terms of the anticipated impacts or interaction that the development

may have with the different environmental components, as well as addressing the preliminary social concerns associated with such a development.

The environmental consultant (Rock Environmental Consulting) is of the independent opinion (as declared under oath) that the EIA process to follow will conclusively determine if there are any fatal environmental flaws associated with the proposed development that would constitute the refusal of Authorisation of the project - bearing in mind that approval must be subject to strict implementation and monitoring of the EMP to be compiled, and given that there should be room for improving the EMP as the project progresses. It is trusted that this environmental Scoping Report gives a balanced view of the anticipated environmental impacts associated with a proposed development of this nature.

#### **REFERENCES**

Mucina, L. & Rutherford, M.C. (Eds.). 2006. *The Vegetation of South Africa, Lesotho and Swaziland*. Strelitzia 19. South African National Botanical Institute, Pretoria.

**Appendix 1:**

**Acknowledgement of Receipt and Reference  
Number**



**the dacerd**

Department:  
**Agriculture, Conservation, Environment  
And Rural Development**  
North West Provincial Government  
Republic of South Africa

AgriCentre Building  
Cnr. Dr. James Moroka & Stadium Road  
Private Bag X2039 Mmabatho 2735  
South Africa

**DIRECTORATE: ENVIRONMENTAL  
MANAGEMENT & PROTECTION**

Tel: +27 (18) 389-5677  
Fax: +27 (18) 389-5006  
E-mail: klecoga@nwpg.gov.za  
Ground Floor : Office E11  
Enquiries: Lobo Lecoga

**Reference: NWP/EIA/135/2009**

**Attention: Mr. Pieter van der Merwe  
Rock Environmental Consulting (Pty) Ltd  
P. O. Box 40541  
MORELETA PARK  
0044**

Tel.: (012) 997 4742  
Cell No.: 082 412 7571  
Fax No.: (012) 997 0415

Dear Sir

**APPLICATION FOR ENVIRONMENTAL AUTHORISATION FOR PROPOSED CONSTRUCTION OF  
A DOMESTIC WASTE DISPOSAL SITE ON THE REMAINDER OF THE FARM TURFBULT 404 KQ,  
ACTIVITY NUMBER (o) IN GN. NO. R. 387, MOSES-KOTANE LOCAL MUNICIPALITY, NORTH  
WEST PROVINCE**

We confirm having received the abovementioned application form for Environmental Authorisation on 13 November 2009.

In addition to a n EIA application form submitted, please visit [www.sawic.org.za](http://www.sawic.org.za) website to access a standard application form as a requirement for waste license.

You are advised of the following:

- To start the listed activity o with the construction of facilities or infrastructure,..... As required in terms of NEMA EIA Regulations of 2006.

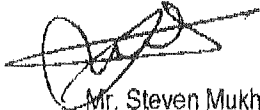
Please note the application has been assigned to **Ms. Keneilwe Ntuane**, Rustenburg Office, reachable at (014) 597 3597. This file reference number is **NWP/EIA/135/2009**. Kindly quote this **reference number** and the **name of the officer** it has been assigned to in any future correspondence in respect of the application including notification to be used for public participation.

**You are requested to submit future correspondences pertaining to this application to the relevant officer or office where she is based to this address:**

**80 Kerkstraat  
Rustenburg  
0299**

Please draw the applicant's attention to the fact that the activity may not commence prior to an Environmental Authorisation being granted by the Department.

**Yours Faithfully**



Mr. Steven Mukhola  
Deputy Director Development Impact Management

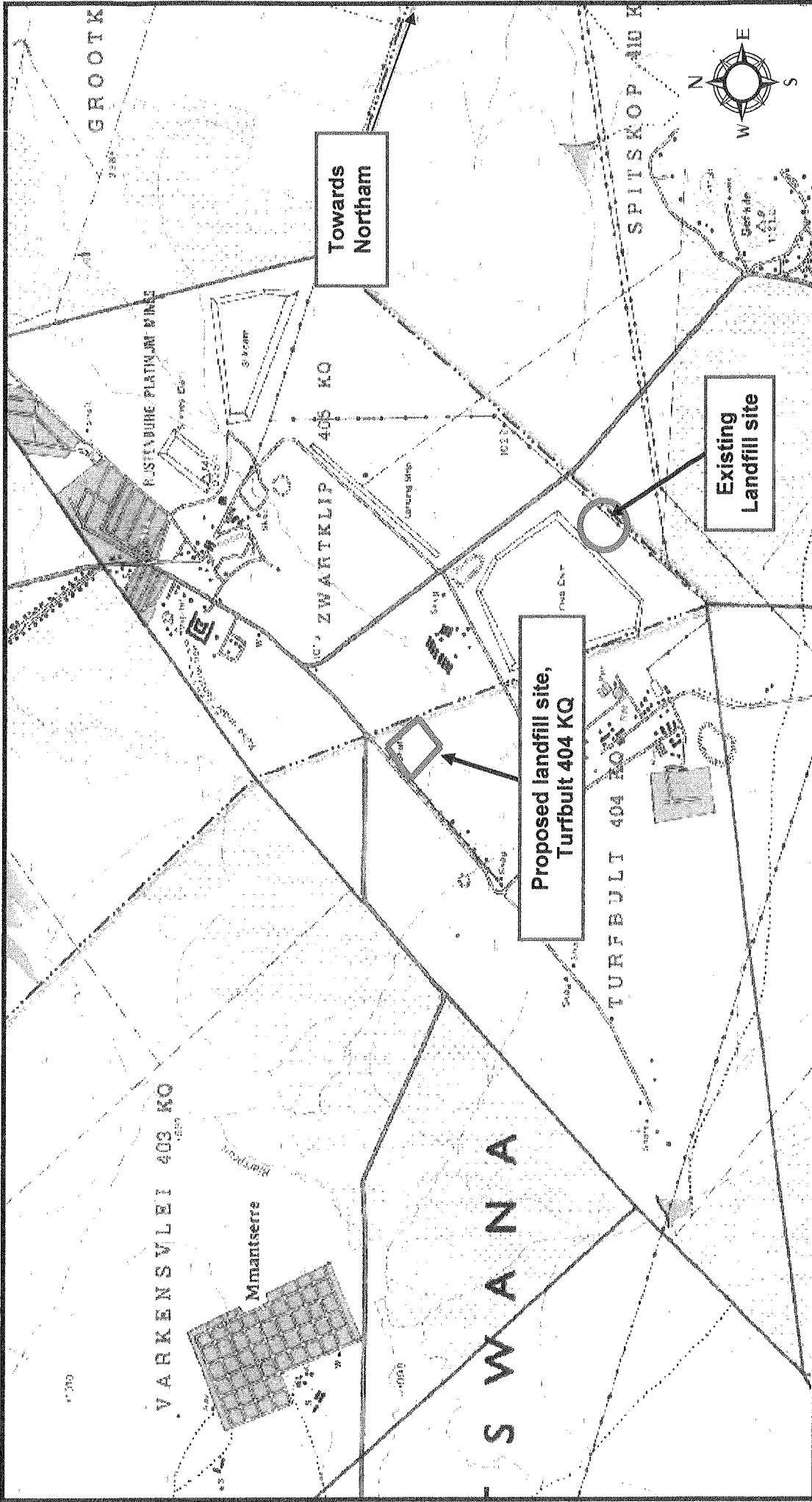
Date: 16/11/09

cc. Mr. William Taylor

Fax No.: (014) 786 0487

## Appendix 2:

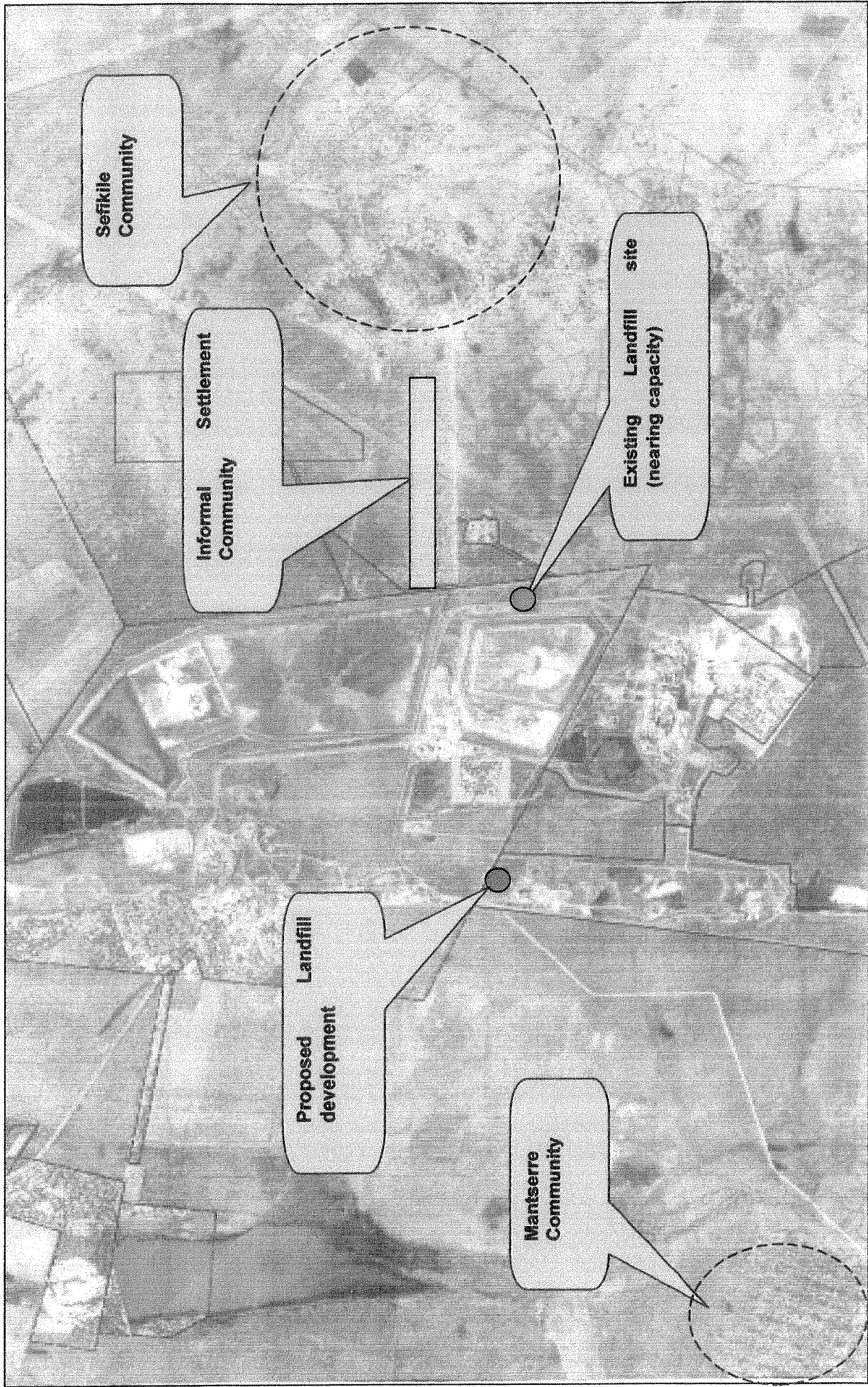
## Locality map



Appendix 2a . Map showing the locality of the proposed waste disposal site on the farm Turfbult 404 KO and a snap shot of lease area plan



**Appendix 3:**  
**Site layout plan**



Appendix 3: Snapshot of the Lease Area Plan.

## Appendix 4:

### Design plans of the landfill site

**Not available yet**

## Appendix 5:

### Water use registration documentation

None needed. The activity will not use water

**Appendix 6:**  
**List of registered I&APs**

**List of registered I&APs**

Name	Designation	Contact Number	Email
E.K. Malatji	Sefikile Youth	082 619 9363	
Peter Lentsoane	Anglo Union Section Mine	014 786 1273	pletsoa@angloplat.com

**Appendix 7:**  
**Background Information Document (BID) and Proof  
of Receipt Register: BIDs**





ROCK ENVIRONMENTAL CONSULTING (PTY) LTD

P.O. Box 40541

Moreleta Park

0044

601 Rubenstein Drive

Moreleta Park

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

To Whom It May Concern,

**RE: PROPOSED CONSTRUCTION OF DOMESTIC LANDFILL (CLASS GMB-) AT  
ANGLO PLATINUM UNION SECTION**

Anglo Platinum Union Section intends to inform you proposed construction a Domestic Landfill (Class GMB-) on the Remaining Portion of the Farm TURFBULT 404 KQ, Moses Kotane Municipality, North West Province. The existing Domestic Landfill site is nearing capacity – approximately 1year of airspace is left.

Rock Environmental Consulting (Pty) Ltd has been appointed as an independent Environmental Assessment Practitioner (EAP) to conduct the Environmental Impact Assessment processes in terms of Regulation 56 of the Regulations published in Government Notice 386 of 21 April 2006 promulgated under National Environmental Management Act (Act No. 107 of 1998). A Notice of Intent has been submitted to the North-west Department of Agriculture, Conservation and Environment (NWDACE). Acknowledgement of Receipt by NWDACE was received on 16 November 2009, REFERENCE: **NWP/EIA/135/2009**.

tel: +27 12 997 4742

fax: +27 12 997 0415

mail: [rockeco@lantic.net](mailto:rockeco@lantic.net)

reg no: 99/28567/07

Director: PN van der Merwe B Sc(Hon) B Sc (Hon) Environmental Management

*Celebrating 10 Years!*



ROCK ENVIRONMENTAL CONSULTING (PTY) LTD

Anglo Platinum and Rock Environmental Consulting would like to invite you to attend a public meeting that has been arranged to take place on the 10<sup>th</sup> February 2010 at Union Section Recreational Club. The meeting will start at 10h00.

Please find herewith attached a Background Information Document (BID) for the proposed project.

Should you have any issues or queries regarding this letter, please do not hesitate to contact the undersigned.

Yours sincerely,

Pieter van der Merwe

Tel: +27 12 997 4742

Fax: +27 12 997 0415

Email: rockec@lantic.net

Reg no: 99/28567/07

Director: PN van der Merwe B Sc(Hon) B Sc (Hon) Environmental Management

Celebrating 10 Years!



ROCK ENVIRONMENTAL CONSULTING (PTY) LTD

## BACKGROUND INFORMATION DOCUMENT

THE PROPOSED CONSTRUCTION OF A DOMESTIC WASTE DISPOSAL SITE  
(CLASS GMB-) ON THE ANGLO PLATINUM UNION SECTION MINE ON THE  
REMAINING PORTION OF THE FARM TURFBULT 404 KQ, MOSES KOTANE  
MUNICIPALITY, NORTH WEST PROVINCE.

REF. NO. NWP/EIA/135/2009

<b>APPLICANT:</b> Anglo Platinum (Pty) Ltd. Private Bax X351 Swartklip 0370 Contact Person William Taylor/Methews Nzimande Tel: (014) 786 1056 Fax: (014) 786 0467 Email:	<b>ENVIRONMENTAL ASSESSMENT PRACTITIONER:</b> Rock Environmental Consulting (Pty) Ltd Arno van den Berg P.O. BOX 40541 MORELETA PARK 0044 Tel: (012) 997 4742 Fax: (012) 997 0415 e-mail: <a href="mailto:rock.arno@lantic.net">rock.arno@lantic.net</a>
--	--

### 1. PURPOSE OF THIS BACKGROUND INFORMATION DOCUMENT

- Notify the public and identified Interested and Affected Parties (I&APS) of the Environmental Impact Assessment for the Proposed Construction of a Domestic Waste Disposal Site (Class GMB-) on the Anglo Platinum Union Section mine on the Remaining Portion of the Farm TURFBULT 404 KQ, Moses Kotane Municipality, North West Province.
- Present public and I&APs with an overview of the perceived biophysical and social impacts that have been identified up to date.
- Obtain issues and concerns from the I&APs regarding the process and proposed activity, which are to be addressed during the environmental assessment, planning, construction and operational phases.

## 2. INTRODUCTION AND STATEMENT OF INDEPENDENCE

Anglo Platinum Union Section mine propose to construct a domestic waste disposal site (Class GMB-) which is a Schedule 2 listed activity in terms of Government Notice 387 promulgated under National Environmental Management Act (Act No. 107 of 1998). Notice is hereby given in terms of Regulation 56 of the Regulations published in Government Notice 387 of 21 April 2006 promulgated under National Environmental Management Act (Act No. 107 of 1998) to undertake a Full Environmental Impact Assessment for the following activity:

### **Proposed activity:**

The proposed further development of a domestic landfill site to replace the existing permitted domestic landfill site that only has 1 year airspace left. The landfill development will have 4 stages namely: Social and Environmental Investigation and site selection, landfill design, site development and waste license application. A closure permit application process for existing landfill site is intended to be undertaken as part of the project.

Rock Environmental Consulting (Pty) Ltd has been appointed as an independent Environmental Assessment Practitioner (EAP) to conduct the Environmental Impact Assessment processes in terms of Regulation 56 of the Regulations published in Government Notice 386 of 21 April 2006 promulgated under National Environmental Management Act (Act No. 107 of 1998). Rock Environmental Consulting submitted a Notice of Intent to the North-west Department of Agriculture, Conservation and Environment (NWDACE). Acknowledgement of Receipt by NWDACE was received on 16 November 2009, REFERENCE: **NWP/EIA/135/2009**

The Full Environmental Assessment document will focus on the possible issues and impacts associated with the proposed development and will recommend suitable mitigation measures.

## 3. PROJECT DESCRIPTION

### **Locality**

The proposed development is located on the Remaining Portion of the farm Turfbult 404 KQ, situated to the west of Northam, on the Anglo Platinum Union Section mine lease area and in the Moses Kotane Municipality, North West Province.

### **Basic project description**

A Full EIA process will be undertaken by Rock Environmental Consulting (Pty) Ltd until Record of Decision (ROD) and license is issued. The Engineering study will be undertaken by Masakhe Isizwe Engineers.

## 4. ENVIRONMENTAL ASSESSMENT PROCESS

The Environmental Assessment and Approval process consists of two main components namely the Scoping phase and Environmental Assessment phase. These processes in turn, are divided into (i) the technical/biophysical process and (ii) the public participation process.

- The technical process includes:
  - Site visits;
  - The identification and assessment of biophysical elements in the study area;
  - Identification of potential environmental and social impacts, and the mitigation of these; and
  - Compilation of a EIA Document and Environmental Management Plan.
  
- The public participation process includes:
  - Legal notices of the environmental process (press advertisement and on-site);
  - Dissemination of information to stakeholders and I&APs;

Public and Interested and Affected Parties (I&APs) are hereby provided an opportunity to comment, raise concerns and share related to the project. It is important that I&APs are involved in the public participation process as early as possible to ensure informed decision-making and effective participation throughout the study.

#### **5. PUBLICATION OF ADVERTISEMENT AND PUBLIC MEETING DATE:**

In the Rustenburg Herald, dated 29 January 2010, Sowetan dated 29 January 2010 and The Daily Sun dated 29 January 2010.

A public meeting will be held on the **10<sup>th</sup> February 2010**, 10:00, Union Mine Recreation Club.

#### **6. COMMENTS / OBJECTIONS**

To be registered as I&APs kindly submit the attached Comment Sheet and list all possible issues and additional interested or affected parties that you would like to be involved in the process to the **Independent Environmental Assessment Practitioner** (refer to the contact details given above).

The Comment Sheet should reach us no later than 19 February 2010.

#### **7. WAY FORWARD**

##### **Notification of Submission to Authorities for Decision Making**

The public and I&APs will be notified of the submission of the final documents to the NWDACE and North West Department of Minerals and Energy (DME) as well as the decision of the Department. The public and I&APs will also be informed of the procedure to follow should they decide to appeal the decision issued by the NWDACE.

Site Notices are also placed at the various access entrances to the Union Section mine.

We thank you for your interest and for taking the time to read through this document. Please contact us if more information is required.

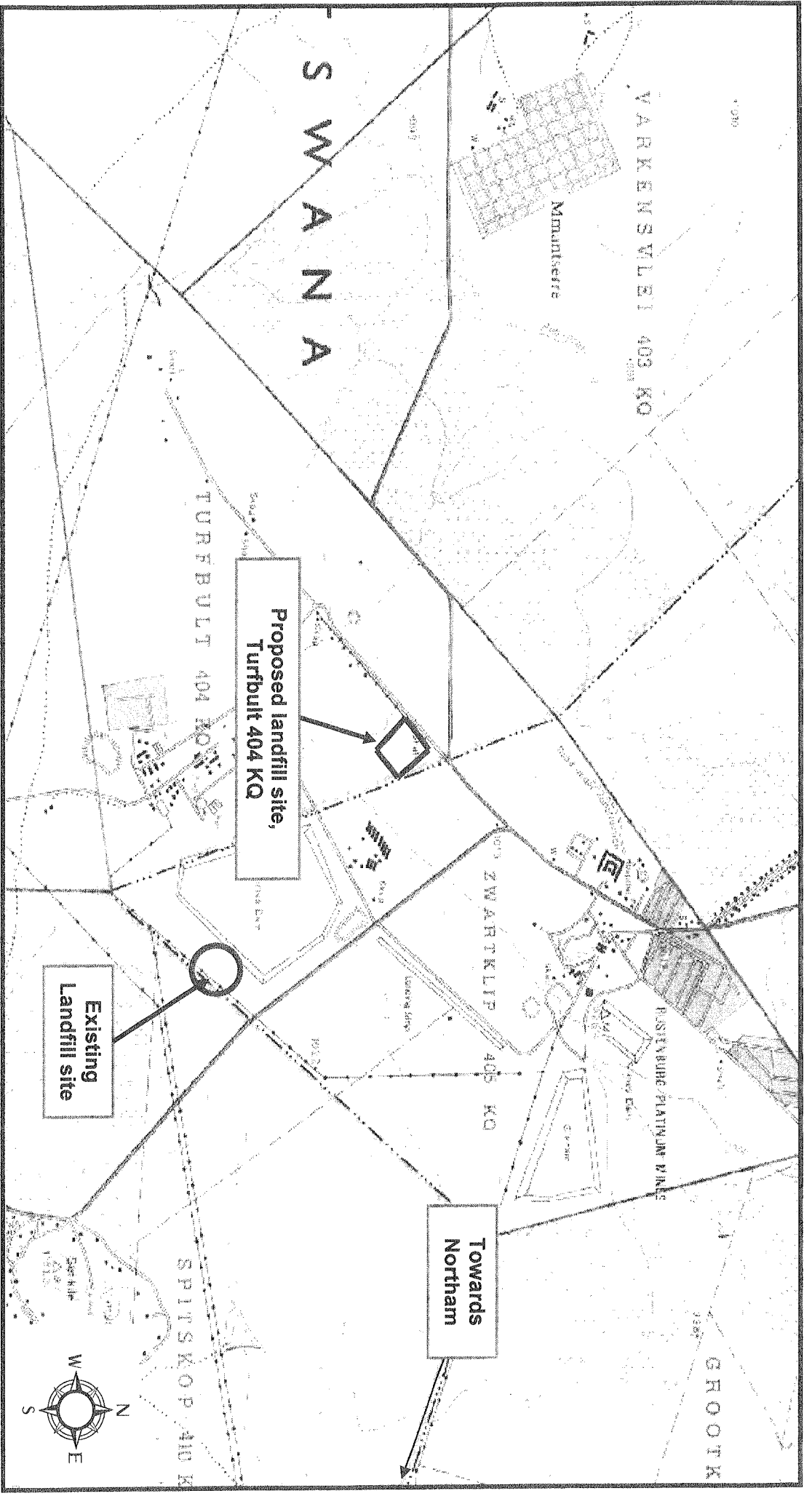


Figure 1. Portion of the 1:50000 map showing the locality of the proposed waste disposal site on the farm Turfbult 404 KQ and a snap shot of lease area plan

BACKGROUND INFORMATION DOCUMENT: CONSTRUCTION OF A DOMESTIC WASTE DISPOSAL SITE (CLASS GMB-) ON THE REMAINING PORTION OF THE FARM  
TURFBULT 404 KQ

2. Are there additional role-players whom we should involve in the process? If yes, please state their names, contact numbers and organisation and / or position.

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**Appendix 8:**  
**Proof of press advertisement**



BTW Nr.: 461 025 1128

# Thaba Stereo

Greenville Gebou  
Winkel 3  
Van der Bijlstraat  
THABAZIMBI  
Tel: 014-777 1274

104.9FM

**BELASTINGFAKTUUR/TAX INVOICE**

Datum Date: 9/1/2010	Faktuurnr. Invoice no: 000814
Naam Name: Rock Environmental	Maand Month: Febr. 2010
Adres Address: Union Mine Recreation Club Swartklip	
Tel/Cell Faks/Fax: 011 997 4742	Arno v.d Berg
011 997 0415	

4 Read add's -	
2 times 9/1/2010	
2 times 10/1/2010	600.00
@ R150 a read	

<b>BANKBESONDERHEDE</b>	<b>SUBTOTAAL</b>	600.00
Radio Bushveld t/s Thaba stereo	<b>SUB TOTAL</b>	
FNB THABAZIMBI	<b>BTW</b>	84.00
Takkode: 260 346	<b>VAT</b>	
Tipe Rekening: Tjek	<b>TOTAAL</b>	684.00
Rekeningnr: 621 8344 4274	<b>TOTAL</b>	Paid 9/1/2010

Afskrif/Copy

# ADVERTENSIES / ADVERTISEMENTS

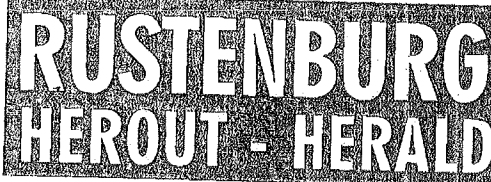
Tel. 5928329

Faks/Fax 5921869

Posbus/Box 2043

Rustenburg 0300

BTW/VAT: 4860115015



13 Coetzer Str 13

RUSTENBURG

0299

REG. NO: 1965/006412/07

DRUKSKRIF ASSEBLIEF - PLEASE PRINT

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VAT No.: \_\_\_\_\_

Kontant

Direkte dep.

Tjek

K/Kaart

Aantal woorde:

Koste

BTW

TOTAAL:

Plasings X

Groottotaal:




29 JANUARIE 2010

RUSTENBURG HERALD

232 SPECIALE DIENSTE / SPECIAL SERVICES

SUPER CARPET CLEANERS

VUIL MATTE??

STOOM SKOOMVAARDIGSTE Industrie Extractor

Professionele Klavierstemdiens

WELVIS KRUGER

ZETTIE'S PLUMBING CC

WENDY CLASSIC WENDY'S PRYCLER

SONSKYN Furn & Second Hand

BEST PRICES! We buy & sell 2nd hand furniture

PESTCONTROL 2000

WILLY CLASSIFIEDS

232 SPECIALE DIENSTE / SPECIAL SERVICES

QUALITY CARPET CLEANERS

2010 QUALITY SERVICES

SPARREVELD

STD Carpet - R66

THE BROS

TRUMPET WENDY'S

WENDY & STEEL HOUSES

WESTARTS

VIK GRATIS KWOTASIE SKAKEL

3

3

KENNISGEWING IN DIE LANDROSHOF VIR DIE DISTRIK VAN RUSTENBURG GEHOU TE RUSTENBURG.

KENNISGEWING IN DIE LANDROSHOF VIR DIE DISTRIK VAN RUSTENBURG GEHOU TE RUSTENBURG.

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KENNISGEWING IN DIE LANDROSHOF VIR DIE DISTRIK VAN RUSTENBURG GEHOU TE RUSTENBURG.

DISTRIBUISIEKEMING IN BESTORINGSREKINGEN

KENNISGEWING VAN VERKOPING IN EKSEKUSIE

KENNISGEWING, AANSTELING VAN KURATORS EN BEVEYS VAN VERWAKTERS

KENNISGEWING, BOEDELKEMINGEN, KENNISGEWING VAN KREDITEURS EN DEBITEURS

KENNISGEWING, GROEBER LEVIN & SCOWLS, LIKWIDASIE

KENNISGEWING, IN DIE LANDROSHOF VIR DIE DISTRIK VAN RUSTENBURG GEHOU TE RUSTENBURG.

KENNISGEWING, IN DIE LANDROSHOF VIR DIE DISTRIK VAN RUSTENBURG GEHOU TE RUSTENBURG.

KENNISGEWING, IN DIE LANDROSHOF VIR DIE DISTRIK VAN RUSTENBURG GEHOU TE RUSTENBURG.

KENNISGEWING, KENNISGEWING VAN AANSOEK OM WYSIGING

KENNISGEWING, LIKWIDASIE, EN DISTRIBUISIEKEMING IN BESTORING

NOTICE OF FIRST AND FINAL ADJUDICATION

KENNISGEWING, LIKWIDASIE, EN DISTRIBUISIEKEMING IN BESTORING

NOTICE APPOINTMENT OF TRUSTEES AND LIQUIDATORS

NOTICE IN THE HIGH COURT OF SOUTH AFRICA

NOTICE OF ENVIRONMENTAL IMPACT ASSESSMENT

NOTICE OF ENVIRONMENTAL IMPACT ASSESSMENT

NOTICE OF AN ENVIRONMENTAL PROCESS FOR THE BASIS

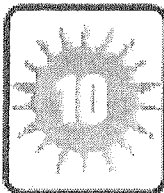
NOTICE OF AN ENVIRONMENTAL PROCESS FOR THE BASIS

NOTICE IN THE MAGISTRATES COURT FOR THE DISTRICT

NOTICE OF FIRST AND FINAL ADJUDICATION







## TOWN PLANNING SCHEMES

### NOTICE OF ENVIRONMENTAL IMPACT ASSESSMENT PROCESS (NWP/EIA/135/2009)

Notice is hereby given in terms of Regulation 56 of the Regulations published in Government Notice 385 & 387 of 21 April 2006 published in terms of chapter 5 of the National Environmental Act (Act No. 107 of 1998) of intent to submit an Application for Environmental Authorisation for the following activity:  
**THE PROPOSED CONSTRUCTION OF A DOMESTIC WASTE DISPOSAL SITE**

LAI LAI GARDEN (30 M), MIMOMO'S PIZZERIA (30 M) AND PLAKA GREEK TAVERNA (30 M) (TO THE BEST OF THE APPLICANT-S KNOWLEDGE)

8.Places of worship within a radius of 1 kilometer from the premises in paragraph 4 ST DAVIDS MARITZ BROTHERS COLLEGE CHAPEL (TO THE BEST OF THE APPLICANT-S KNOWLEDGE) ANY INTERESTED PERSONS ARE INVITED TO LODGE OBJECTIONS TO THE APPLICATION WITHIN TWENTY-ONE (21) DAYS FROM DATE OF LODGMENT OF THE APPLICATION TO THE SECRETARY OF THE JOHANNESBURG LOCAL COMMITTEE AT 3RD FLOOR, NEDBANK BUILDING, 85 MAIN STREET, MARSHALLTOWN, REGION F1, JOHANNESBURG, 2001  
SIGNED AT ROODEPOORT ON THIS 19TH DAY OF JANUARY 2010.  
SIGNATURE OF APPLICANT OR AN AUTHORISED PERSON

(class GMB-) ON THE ANGLO PLATINUM UNION SECTION MINE ON THE REMAINING PORTION OF THE FARM TURFBULT 404 KQ, MOSES KOTANE, NORTH WEST. REF NO NWP/EIA/135/2009

**Project Description:**

The proposed further development of a domestic landfill site to replace the existing domestic landfill site that only has 1 year airspace left. A closure application for existing landfill site will be undertaken as part of the project.

The project will have 4 stages namely: Social and Environmental Investigation and site selection, landfill design, site development and waste license application. A full legal and due EIA process will be followed.

**Project Locality:**The proposed development is located on the Remaining Portion of the farm, Turfbult 404 KQ, situated to the west of Northam on the Anglo Platinum Union Section mine lease area, in the Moses Kotane Municipality, North West Province.  
**Applicant:**Anglo Platinum (Pty) Ltd.  
**Environmental Assessment**

**Practitioner:**Rock Environmental Consulting (Pty) Ltd.  
PO Box 40541 Moreleta Park Pretoria, 0044  
Tel: (012) 997 4742 Fax: (012) 997 0415 Email: rock.arno@lantic.net  
**Publication of Advertisement and Public**

**Meeting Date:**The Daily Sun dated 29

**January 2010.**A public meeting will be held on 10 February 2010, 10:00, Union Mine Recreation Club. In order to register as an interested and/or effected party, or to obtain more information on the proposed development, please submit your name, contact details and interest in the matter within 30 days of the publication of this advertisement.



**Appendix 9:**  
**Photos of site notice**

**PROOF OF SITE NOTICE- ANGLO PLATINUM UNION SECTION MINE**



**NOTICE OF ENVIRONMENTAL  
IMPACT ASSESSMENT PROCESS**  
(NWP/EIA/135/2009)

Notice is hereby given in terms of Regulation 55 of the Regulations published in Government Notice 395 & 387 of 21 April 2006 published in terms of chapter 5 of the National Environmental Act (Act No. 107 of 1998) of intent to submit an Application for Environmental Authorisation for the following activity

**THE PROPOSED CONSTRUCTION OF A DOMESTIC WASTE DISPOSAL SITE (class GMB-) ON THE ANGLO PLATINUM UNION SECTION MINE ON THE REMAINING PORTION OF THE FARM TURFBULT 404 KQ, MOSES KOTANE, NORTH WEST. REF NO NWP/EIA/135/2009**

**Project Description:**  
The proposed further development of a domestic landfill site to replace the existing domestic landfill site that only has 1 year airspace left. A closure application for existing landfill site will be undertaken as part of the project. The project will have 4 stages namely Social and Environmental investigation and site selection, landfill design, site development and waste license application. A full legal and due EIA process will be followed.


**Project Locality:**  
The proposed development is located on the Remaining Portion of the farm, Turfbult 404 KQ, situated to the west of Northam on the Anglo Platinum Union Section mine lease area, in the Moses Kotane Municipality, North West Province.

**Applicant:**  
Anglo Platinum (Pty) Ltd

**Environmental Assessment Practitioner:**  
Rock Environmental Consulting (Pty) Ltd  
PO Box 40541  
Moreleta Park  
Pretoria, 0044  
Tel: (012) 997 4742 Fax: (012) 997 0415  
Email: rock.arno@lantic.net

**Publication of Advertisement and Public Meeting Date:**  
In the Rustenburg Herald, dated 29 January 2010, The Sowetan and The Daily Sun dated 29 January 2010.  
A public meeting will be held on 10 February 2010, 10:00, Union Mine Recreation Club.

In order to register as an interested and/or affected party, or to obtain more information on the proposed development, please submit your name, contact details and interest in the matter within 30 days of the publication of this notice.



**REC**  
ROCK ENVIRONMENTAL CONSULTING (PTY) LTD



## Appendix 10:

### Attendance Register of public meeting



## Appendix 11:

### Written comments received from I&APs

# REGISTRATION AND COMMENT SHEET

THE PROPOSED CONSTRUCTION OF A DOMESTIC WASTE DISPOSAL SITE  
(CLASS GMB-) ON THE ANGLO PLATINUM UNION SECTION MINE ON THE  
REMAINING PORTION OF THE FARM TURFBULT 404 KQ, MOSES KOTANE  
MUNICIPALITY, NORTH WEST PROVINCE.

NWP/EIA/135/2009

Please complete and return as soon as possible, but no later than 19 February 2010 to:

Arno van den Berg, P.O. Box 40541, Moreleta Park, 0044

Tel: (012) 997 4742 Fax: (012) 997 0415 e-mail: rock.arno@lantic.net

Title MALE Initials Ek Surname Malakji

Community/Organisation/Firm /Position/Nature of Involvement in the project e.g.  
property owner:

SEFIKILE TOWN

Street / Physical Address:

461 AFIMELANG SECTION SEFIKILE

Postal address:

P.O. BOX 53 NOTHAM 0360

Postal Code: 0360

Telephone Work: 11/9

Telephone Home: \_\_\_\_\_

Cell phone: 082 619 9363

Fax: 014 784 0401

E-mail: www.erickerkh69@yahoo.com

## COMMENTS:

1. Are there any comments, concerns or suggestions you would like to contribute regarding the proposed development?

My farm is situated within the radius of 180metres away  
from the dumping site that will put my farm future in  
conjective future e.g. when burning different material  
will will affect climate in negative way and in depending in good climate

2. Are there additional role-players whom we should involve in the process? If yes, please state their names, contact numbers and organisation and / or position.

Lined area for handwritten response.



**Appendix 12:**  
**Minutes of public meeting held**

**PROPOSED CONSTRUCTION OF A DOMESTIC WASTE DISPOSAL SITE (class GMB-) ON THE  
ANGLO PLATINUM UNION SECTION MINE ON THE REMAINING PORTION OF THE FARM  
TURFBULT 404 KQ, MOSES KOTANE, NORTH WEST. REF NO NWP/EIA/135/2009**

**PUBLIC MEETING VENUE; RECREATION CLUB, UNION MINE SWARTKLIP**

**MUNICIPALITY OF THE MEETING**

**EAP: ROCK ENVIRONMENTAL CONSULTING (PTY)LTD**

**Date: 10 February 2010**

Meeting started at 10:00. Only 3 people attended. Rock Environmental Consulting explained the project and questions were raised by 1 attendant. He was concerned about his farm and the effect of burning rubble. REC ensured him that no fires will be permitted on the new Waste disposal site.

# Appendix 13:

## Plan of Study



ROCK ENVIRONMENTAL CONSULTING (PTY) LTD

P.O. Box 40541  
Moreleta Park  
0044  
601 Rubenstein Drive  
Moreleta Park  
[www.rockeco.co.za](http://www.rockeco.co.za)

**PLAN OF STUDY FOR ENVIRONMENTAL IMPACT ASSESSMENT  
PROCESS FOR THE PROPOSED CONSTRUCTION OF A DOMESTIC  
WASTE DISPOSAL SITE ON THE REMAINDER OF THE FARM  
TURFBULT 404 KQ, NORTH WEST PROVINCE**

Prepared for: NORTH WEST DEPARTMENT OF AGRICULTURE, CONSERVATION AND  
ENVIRONMENT (NWDACE)

On behalf of: ANGLO PLATINUM (PTY) LTD.  
PRIVATE BAG X351  
SWARTKLIP  
0370

Author: ARNO VAN DEN BERG  
ROCK ENVIRONMENTAL CONSULTING (PTY) LTD.  
P.O. BOX 40541  
MORELETA PARK  
0044

Tel: +27 12 997 4742  
Fax: +27 12 997 0415  
Email: [rockec@lantic.net](mailto:rockec@lantic.net)  
Reg no: 99/28567/07

**26 March 2010**

Director: PN van der Merwe B Sc(Hon) B Sc (Hon) Environmental Management

*Celebrating 10 Years!*

**DOCUMENT DISTRIBUTION**

COPY NO.	ATTENTION	NAME AND ADDRESS OF CONCERN
1	The Manager	North West Department of Agriculture, Conservation and Environment (NWDACE) Cnr. James Moroka Drive & Stadium Road Agricentre Mafikeng 2735
2	Applicant	Anglo Platinum (Pty) Ltd. Union Section Private Bag X351 Swartklip 0370
3	Author	Rock Environmental Consulting (Pty) Ltd P.O. BOX 40541 MORELETA PARK 0044
4	Local Municipality Municipal Manager Mr P Malebye	Moses Kotane Local Municipality Private Bag x1011 Mogwase 0314
5	Ward councillor	Moses Kotane Local Municipality Private Bag x1011 Mogwase 0314
6	DWA Chief Director: North West	Department of Water Affairs Old Rustenburg Rd, Hartebees
7	SAHRA Provincial Manager: Mpumalanga	South African Heritage Resources Agency Cnr Tillard & Warren, Mafikeng
8	All adjacent landowners	Public Library

## 1. BASIC PROJECT INFORMATION

### Environmental Consultant (EAP):

ROCK ENVIRONMENTAL CONSULTING (PTY) LTD

P.O. Box 40541

MORELETA PARK

0044

Contact: ARNO VAN DEN BERG

E-mail : [rock.arno@lantic.net](mailto:rock.arno@lantic.net)

Telephone : (012) 997 4742

Fax : (012) 997 0415

### 1.1. DETAILS OF THE PROPOSED ACTIVITIES.

The project have been applied for in terms of the Regulations of the National Environmental Management Act. The following was determined:

- ▲ The Environmental Impact Assessment (EIA) process and report will focus on the assessment of the possible issues and impacts associated with the proposed waste disposal site on the Remaining portion of the farm Turfbult 404KQ. The EIA Report will provide as much technical, environmental and social information as possible, in order to assist the Department in making an informed decision regarding the proposed waste disposal site of the Anglo Platinum Swartklip mine. Potential social impacts will also be thoroughly investigated.
- ▲ The Environmental Scoping report serves to identify all the potential environmental, social and economic impacts that could potentially result from the proposed development. The EIA process and report will serve to elaborate and assess the significance of the impacts that have been identified to date.
- ▲ An evaluation of the so called "NO GO" option and any reasonable and feasible alternatives will also be included in the EIA report.

It is requested by the environmental consultant that I&AP's give their comments and/or objections timeously, in terms of possible additional information that may be requested during the evaluation process of the project.

## 2. TASKS AND METHODOLOGY TO BE PERFORMED

The study will entail the following steps:

- △ The significance assessment of all the potential impacts identified in the environmental scoping report.
- △ The evaluation of the so called “NO GO” option and any reasonable and feasible alternatives to the proposed development.
- △ An evaluation of the need and desirability of the proposed development.
- △ A summary of specialist reports produced for the project.
- △ An Environmental Impact statement for the proposed activity will be established.
- △ A preliminary Environmental Management Plan (EMP) will be produced which will provide mitigation recommendations for the potentially negative impacts arising from the proposed waste disposal site of the Anglo Platinum Swartklip mine.

### 2.1. ENVIRONMENTAL ASSESSMENT STAGE

The assessment of the prevailing environmental conditions will be based on the following steps and elements:

- △ Project Description
- △ Biophysical elements (climate, land types, flora and fauna, topography and surface drainage, slope and catchment, geology, soils etc.)
- △ Red Data fauna and flora investigations are deemed necessary.
- △ Cultural/historical elements of importance
- △ The results of the geotechnical and engineering services reports.
- △ Land use of the surrounding area
- △ Visual and aesthetic characteristic of the area
- △ Public Participation Process (see below)

### 2.2. PUBLIC PARTICIPATION

The Public Participation process will be an open and interactive process involving the adjacent land owners, surrounding rural communities and other interested and affected parties (I&AP's), such as the local authority and community services. It is a useful tool that assists in the assessment of impacts, both positive and negative, that the development may have on the surrounding community and their activities. The process allows for the notification of the registered I&AP's of both positive and negative impacts associated with the proposed development. It also assists the planners of the project to adjust their course of action and/or planning to some extent, should this be required as a result of high negative impacts anticipated to be detrimental to the environment as a result of the proposed landfill site.

### 2.3 SPECIALIST INPUT REQUIRED

The following specialist studies are deemed, by the EAP, to be necessary in order to establish a true reflection of the potential environmental impact associated with, and the long term sustainability of, the proposed development.

- ▲ Engineering Services Report
- ▲ Geo-hydrological study

We kindly request that the Department should inform us if they perceive any additional specialist information to be necessary. We also kindly request that they inform us of their decision regarding this matter well in advance.

### 2.4 IMPACT AND ISSUE ASSESSMENT IN THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT

It is essential to provide detailed information on the nature and layout of the proposed waste disposal site of the Anglo Platinum Swartklip mine. The assessment and evaluation of issues and impacts will be conducted through an analysis of the environmental aspects associated with the project and how these aspects will interact with the prevailing or, where possible, the future environmental conditions. Positive as well as negative impacts will be discussed. All development aspects during the possible future construction and operational phases of the development will be assessed.

It is also anticipated that the rating of impacts and issues will be conducted by using a quantitative rating method. The impacts and issues will be rated according to the nature, probability, extent and duration of the impacts, from which an impact significance rating will be calculated.

### 2.5 ENVIRONMENTAL MANAGEMENT PLAN (EMP)

Recommendations to reduce the impacts of the proposed development on the environment will be provided, which will focus on the impacts anticipated during the construction and operational phases of the proposed residential development; these impact mitigation recommendations will be included in an *Environmental Management Plan (EMP)* as a separate chapter to the EIA report. The EMP will focus on measures to be taken or implemented during all stages of the proposed project. This EMP will serve as a positive action, and must ensure that the impact on the biophysical and social environment is mitigated to satisfactory levels.



### 3. TIME FRAME

Several site visits have been conducted to obtain an overview of the environmental setting of the project. There will be close cooperation between the various members of the project team, especially the applicant, project engineers, project architects and the environmental consultant - in order to integrate the planning and design of the development towards careful consideration of the environmental impacts associated with the project.

#### 3.1. ANTICIPATED SCHEDULE

The following time frames are anticipated:

- ⤴ Make the Scoping report available for comments upon its completion (30 day comment period).
- ⤴ Incorporate any additional public comments in to the report and then submit it to North West Department Of Agriculture, Conservation and Environment (NWDACE).
- ⤴ After approval of the Plan of Study and Scoping report, conduct the public participation for the EIA phase.
- ⤴ Compile the EMP and final EIA report and submit to North West Department Of Agriculture, Conservation and Environment.

Please do not hesitate to contact us if there are any queries. We will contact your office for the arrangement of a site visit with the relevant official on the project as soon as possible, once such an official has been assigned to the project. We would greatly appreciate it if the same official could stay involved throughout the process to reduce the risk of time delays.

Please confirm receipt of this document by fax to the following number:  
**(012) 997 0415.**

Thanking you in advance,

---

Arno van den Berg

For: Rock Environmental Consulting (Pty) Ltd