

- Drilling Equipment
- Excavating Equipment
- Earth Moving Equipment
- Crushing and Screening infrastructure
- Parking area for visitors and site vehicles
- Temporary Office
- Temporary vehicle service area
- Site storage containers
- Bunded diesel storage facilities
- Bunded oil storage facilities
- Chemical Ablution Facilities
- Weigh Bridge
- Demarcated general and hazardous waste area

Dust:

- Speed on the access road will be limited to 40 km/h to prevent the generation of excess dust.
- Roads will be sprayed with water or an environmentally friendly dust-allaying agent that contains no PCB's (e.g. DAS products) if dust is generated above acceptable limits.

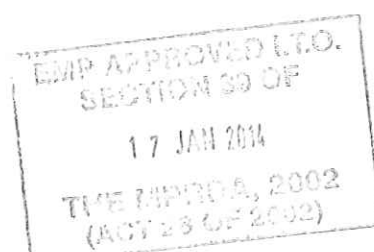
Noise:

- It will be ensured that employees and staff conduct themselves in an acceptable manner while on site.
- All mining vehicles will be equipped with silencers and maintained in a road worthy condition in terms of the Road Transport Act.
- The type, duration and timing of the blasting procedures will be planned with due cognisance of other land users and structures in the vicinity.
- Surrounding land owners will be notified in writing prior to blasting occasions.

Access Route:

The farm road following the boundary fence of the farm will be upgraded and used as an access road to the site. Should a portion of the access road need to be newly constructed the following will be adhered to:

- The route will be selected that a minimum number of bushes or trees are felled and existing fence lines will be followed as far as possible.



- Adequate drainage and erosion protection in the form of cut-off berms or trenches will be provided where necessary.

Surface and Ground water:

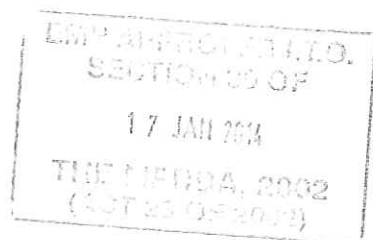
- The proposed mining area is further than 100m from any natural surface water source.
- The proposed activities are not expected to have a negative impact on the ground water of the area.

Visual Exposure:

- The proposed mining activities will have a high visual impact on the surrounding environment, as no mining has previously been done in the area. The vegetation surrounding the site will however help to screen the quarry pit and the activities during the operational phase. A minimum number of bushes or trees will be felled in order to screen the mining activities. Upon closure the site will be rehabilitated and sloped to ensure that the visual impact on the aesthetic value of the area is kept to a minimum. The site will have a neat appearance and be kept in good condition at all times.

Toilet facilities, waste water & refuse disposal Waste:

- A chemical toilet and temporary toilet with a septic tank will be put on site for employees and proper hygiene measures will be established. This will be regularly serviced by a contractor.
- Any effluents containing oil, grease or other industrial substances will be collected in a suitable receptacle and removed from the site, either for resale or for appropriate disposal at a recognised facility.
- Spills would be cleaned up immediately to the satisfaction of the Regional Manager by removing the spillage together with the polluted soil and by disposing of them at a recognised facility.
- Non-biodegradable refuse such as glass bottles, plastic bags, metal scrap, etc., will be stored in a container at a collecting point and collected on a regular basis and disposed of at a recognised landfill site. Specific precautions shall be taken to prevent refuse from being dumped on or in the vicinity of the mine area.
- Biodegradable refuse generated will be handled as indicated above.
- General waste will be disposed at the nearest authorised disposal facility.
- No waste will be burned on site.



Final rehabilitation:

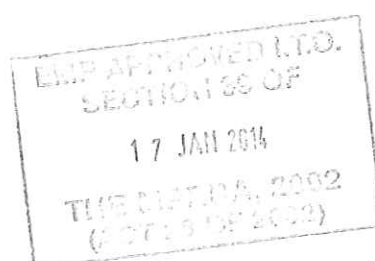
- Rehabilitation of the surface area shall entail landscaping, levelling, top dressing, land preparation, seeding (if required) and maintenance, and weed / alien clearing.
- All infrastructures, equipment, plant, temporary housing and other items used during the mining period will be removed from the site (section 44 of the MPRDA).
- Waste material of any description, including receptacles, scrap, rubble and tyres, will be removed entirely from the mining area and disposed of at a recognized landfill facility. It will not be permitted to be buried or burned on the site.
- Weed / Alien clearing will be done in a sporadic manner during the life of the mining activities. Species regarded as Category 1 weeds according to CARA (Conservation of Agricultural Recourses Act, 1983 – Act 43; Regulations 15 & 16 (as amended in March 2001) need to be eradicated from the site on final closure.
- Final rehabilitation shall be completed within a period specified by the Regional Manager.

Raubex will be making use of temporary infrastructure during the mining operations. Workers will be transported to and from the site daily.

Please contact Sonette Smit at the contact details as presented in the letterhead through any means should you need more information, have concerns or comments that need to be considered or if you want to be registered as an interested and/or affected party on or before 05 September 2013.

5.5.2 List of which parties identified in 7.1 above that were in fact consulted, and which were not consulted.

All the stakeholders and I&AP's identified in 7.1 were informed of the proposed mining activity. The department of Agriculture requested to comment on the EMP and this document will be forwarded to them. Comments received will be forwarded to DMR upon receipt. To date no further objections or comments has been received.



5.5.3 List of views raised by consulted parties regarding the existing cultural, socio-economic or biophysical environment.

All the stakeholders and I&AP's identified in 7.1 were informed of the proposed mining activity.

5.5.4 List of views raised by consulted parties on how their existing cultural, socio-economic or biophysical environment potentially will be impacted on by the proposed prospecting or mining operation.

No objections have been received.

5.5.5 Other concerns raised by the aforesaid parties.

No objections have been received.

5.5.6 Confirmation that minutes and records of the consultations are appended.

See attached as Appendix D proof that the stakeholders and I&AP's were contacted.

5.5.7 Information regarding objections received.

No objections have been received.

5.6 The manner in which the issues raised were addressed.

No objections have been received.

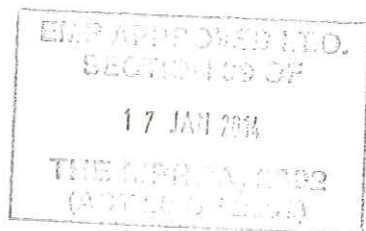
6 SECTION 39 (3) (c) of the Act: Environmental awareness plan.

6.1 Employee communication process

(Describe how the applicant intends to inform his or her employees of any environmental risk which may result from their work).

Once mining of the proposed area starts a copy of the Environmental Management Plan will be handed to the site manager during the site establishment meeting. Issues such as topsoil handling, site clearance, fire principals and hazardous waste handling will be discussed.

An induction meeting will be held with all the site workers to inform them of the Basic Rules of Conduct with regard to the environment.



6.2 Description of solutions to risks

(Describe the manner in which the risk must be dealt with in order to avoid pollution or degradation of the environment).

The operations manager must ensure that he/she understands the EMP document and its requirement and commitments before any mining takes place. An Environmental Control Officer needs to check compliance of the mining activities to the management programmes described in the EMP.

The following list represents the basic steps towards environmental awareness, which all participants in this project must consider whilst carrying out their tasks.

Site Management:

- Stay within boundaries of site – do not enter adjacent properties
- Keep tools and material properly stored
- Smoke only in designated areas
- Use toilets provided – report full or leaking toilets

Water Management and Erosion:

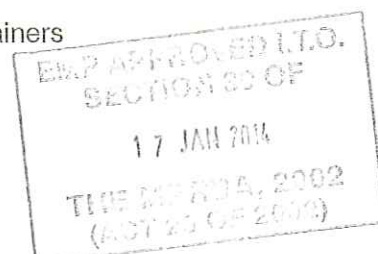
- Check that rainwater flows around work areas and are not contaminated
- Report any erosion
- Check that dirty water is kept from clean water
- Do not swim in or drink from streams

Waste Management:

- Take care of your own waste
- Keep waste separate into labelled containers – report full bins
- Place waste in containers and always close lid
- Don't burn waste
- Pick-up any litter laying around

Hazardous Waste Management (Petrol, Oil, Diesel, Grease)

- Never mix general waste with hazardous waste
- Use only sealed, non-leaking containers



- Keep all containers closed and store only in approved areas
- Always put drip trays under vehicles and machinery
- Empty drip trays after rain
- Stop leaks and spills, if safe
 - ◆ Keep spilled liquids moving away
 - ◆ Immediately report the spill to the site manager/supervision
 - ◆ Locate spill kit/supplies and use to clean-up, if safe
 - ◆ Place spill clean-up wastes in proper containers
 - ◆ Label containers and move to approved storage area

■ Discoveries:

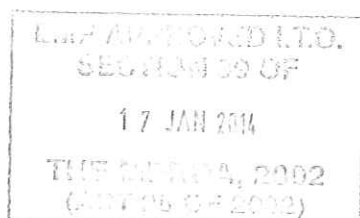
- Stop work immediately
- Notify site manager/supervisor
- Includes – Archaeological finds, Cultural artefacts, Contaminated water, Pipes, Containers, Tanks and drums, Any buried structures

■ Air Quality:

- Wear protection when working in very dusty areas
- Implement dust control measures:
 - ◆ Sweep paved roads
 - ◆ Water all roads and work areas
 - ◆ Minimize handling of material
 - ◆ Obey speed limit and cover trucks

■ Driving and Noise:

- Use only approved access roads
- Respect speed limits
- Only use turn-around areas – no crisscrossing through undisturbed areas
- Avoid unnecessary load noises
- Report or repair noisy vehicles



■ **Vegetation and Animal life:**

- Do not remove any plants or trees without approval of the site manager
- Do not collect fire wood
- Do not catch, kill, harm, sell or play with any animal, reptile, bird or amphibian on site
- Report any animal trapped in the work area
- Do not set snares or raid nests for eggs or young

■ **Fire Management:**

- Do not light any fires on site, unless contained in a drum at demarcated area
- Put cigarette butts in a rubbish bin
- Do not smoke near gas, paints or petrol
- Know the position of fire fighting equipment
- Report all fires
- Don't burn waste or vegetation

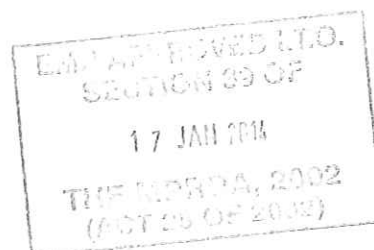
6.3 Environmental awareness training.

(Describe the general environmental awareness training and training on dealing with emergency situations and remediation measures for such emergencies).

The operations manager must ensure that he/she understands the EMP document and its requirement and commitment before any mining takes place.

In addition to the induction meeting to be held with the site employees to inform them of the basic steps towards environmental awareness, the operators of earth moving equipment should be informed of the following requirements:

- Mining within demarcated areas;
- No-go areas;
- Establishment of access roads;
- Handling of hazardous waste and their storage facilities;
- Handling of biodegradable and non-degradable waste;
- Temporary vehicle maintenance;



APPROVAL

Approved in terms of Section 39(4) of the Mineral and Petroleum Resources Development Act,
2002 (Act 28 of 2002)

Signed at Welkom this 17th day of January 2013. ⁴ kc


.....
ACTING REGIONAL MANAGER: MINERAL REGULATION

REGION: FREE STATE

LMP APPROVED LTD.
SECTION 39 OF
17 JAN 2014
THE MPRDA, 2002
(ACT 28 OF 2002)

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DEPARTMENT OF MINERAL RESOURCES: FREE STATE REGION

Receipt of a financial guarantee from Lombard Insurance Company Limited

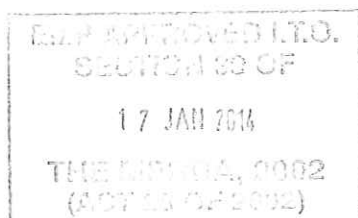
Guarantee number: C201348695

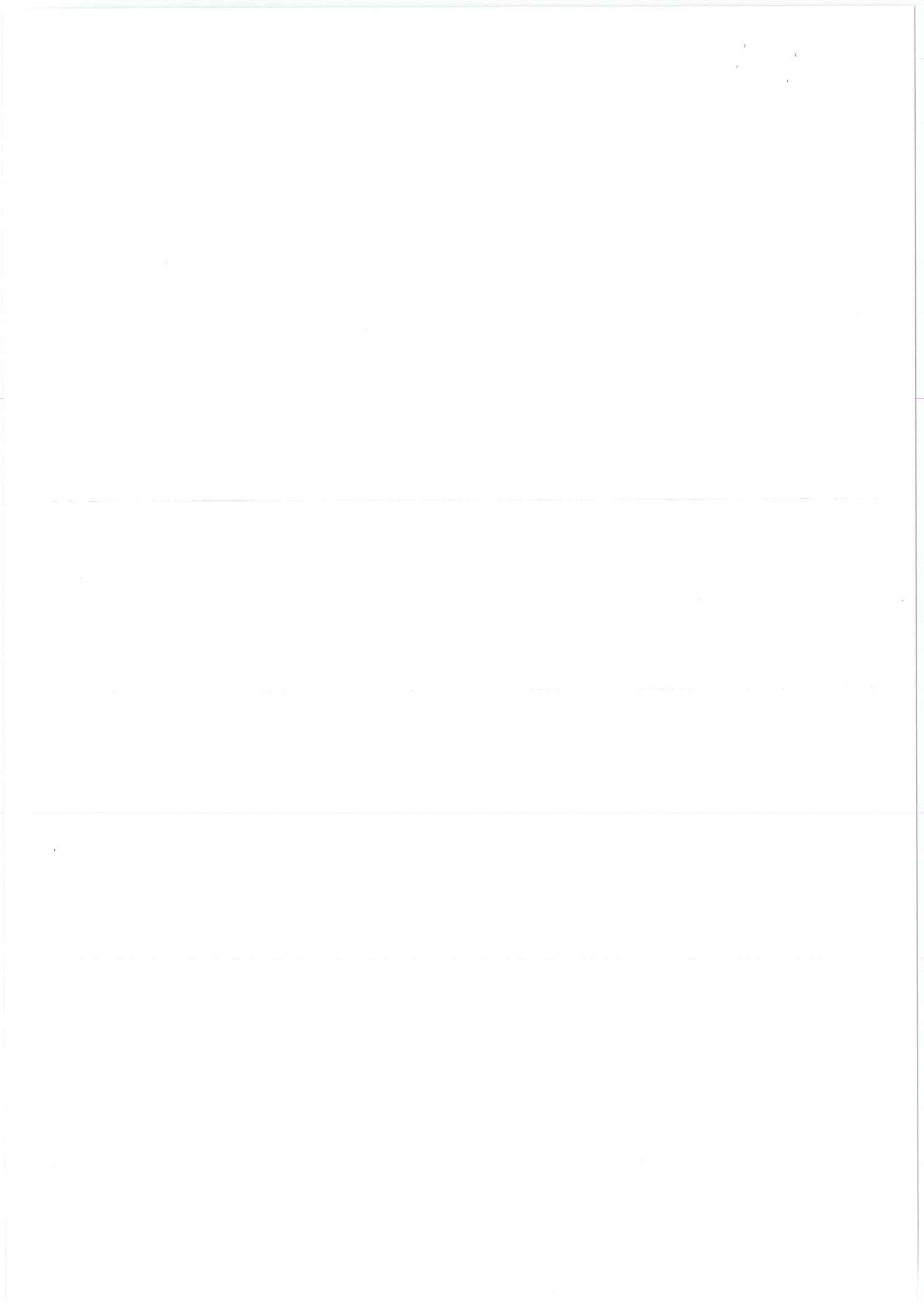
Reference number: FS 10077 MP

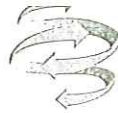
Applicant: RAUBEX CONSTRUCTION (PTY) LIMITED

Amount: R 796 830.11

Date Received:







LOMBARD
INSURANCE COMPANY
LIMITED

Lombard Insurance Company Limited Reg. No 1990/001253/06 VAT Reg. No: 4360121331

GUARANTEE NO. C201348695

The Regional Manager
Department of Mineral Resources
Private Bag X 33
Welkom
9460

Reference No. : FS 30/5/1/3/3/2/1 (10077) EM

Sir

FINANCIAL GUARANTEE FOR THE REHABILITATION OF LAND DISTURBED BY MINING
(EXECUTION OF ENVIRONMENTAL MANAGEMENT PLAN / PROGRAMME)

1. Concerning the responsibility in terms of the Mineral and Petroleum Resources Development Act 28, 2002, which is incumbent on

RAUBEX CONSTRUCTION (PTY) LIMITED
(Reg. No. 1993/070002/07)
(hereinafter referred to as "the mine owner")

to execute the environmental management plan / programme approved in terms of the provisions of the said Act for the mine known as

THE FARM LERATONG 835:

situated in the Magisterial District of Thaba N'Chu Province Free State we the undersigned THEUNIS CHRISTIAAN VAN DER LINDE and NOMSA CONSTANCE MKWANAZI in our capacities as UNDERWRITER : CONSTRUCTION DIVISION and SENIOR ADMINISTRATOR : CONSTRUCTION DIVISION and as duly authorised representatives of

LOMBARD INSURANCE COMPANY LIMITED
(Reg. No. 1990/001253/06)
(hereinafter referred to as "the Guarantor")

confirm that the amount of R796 830.11 (Seven Hundred and Ninety Six Thousand Eight Hundred and Thirty Rand and Eleven Cents) is available to you for the purpose of executing the said environmental management plan / programme.

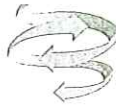
2. The Guarantor, who hereby waives the advantages of the *exceptiones non numerate pecuniae non causa debiti excussionis et divisionis*, the meaning and the consequences of which is known to the Guarantor, undertakes to pay to you the said sum of R796 830.11 (Seven Hundred and Ninety Six Thousand Eight Hundred and Thirty Rand and Eleven Cents) upon receipt of a written claim from you to do so and the claim may be submitted by you, if (in your opinion and discretion) the mine owner fails or remains in default to execute the said environmental management plan / programme, or if he ceases mining/prospecting operations, or if his estate is sequestrated, or if he should hand over his estate in terms of the Insolvency Acts which are applicable in the Republic of South Africa, or if the Guarantor gives written notice to you in terms of Clause 5 of this agreement. The said claim may be instituted by you at any stage commencing from the date of signature of his guarantee.

2/ ...

EMP. APPROVED . CO.
SECTION 53 OF
17 JAN 2013
THE MINE ACT 2002

JBE






GUARANTEE NO. C201348695

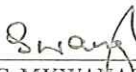
Page 2

3. The said amount of R796 830.11 (Seven Hundred and Ninety Six Thousand Eight Hundred and Thirty Rand and Eleven Cents) may be held by you on the condition that you, after having complied with all the provisions of the said environmental management plan / programme, will give account to the Guarantor of how the amount was appropriated and repay any unappropriated amount to the Guarantor.
4. This undertaking is neither negotiable nor transferable and -
 - (a) must be returned to the Guarantor when giving account to the Guarantor in terms of Clause 3 above,
 - (b) shall lapse on the granting of a closure certificate in terms of the Minerals and Petroleum Resources Act, 2002 (Act 28 of 2002) and
 - (c) shall not be construed as placing any other responsibility on the Guarantor other than the paying of the guaranteed amount.
5. The Guarantor reserves the right to withdraw from this guarantee after having given you at least three months written notice in advance of his intention to do so.

Yours faithfully

SIGNED AT PARKTOWN ON THIS 21st DAY OF OCTOBER 2013.

1. 
 T.C. VAN DER LINDE
 UNDERWRITER
 CONSTRUCTION DIVISION

1. 
 N.C. MKWANAZI
 SENIOR ADMINISTRATOR
 CONSTRUCTION DIVISION

AS WITNESSES :



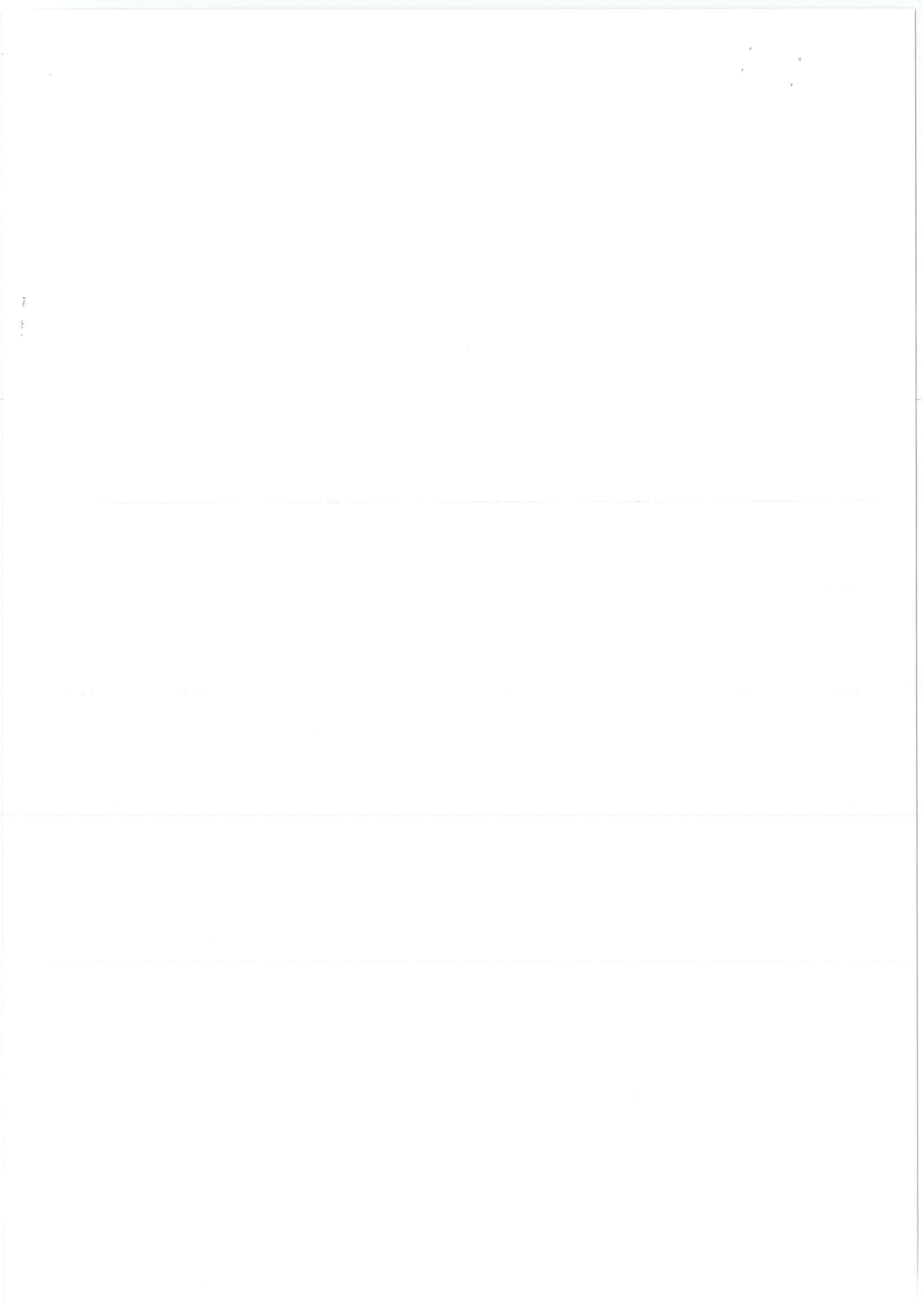
1. 
 D. BREWSTER

2. 
 N. LONG

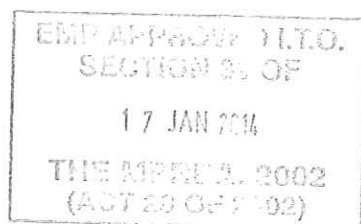
Ground Floor, Building C, Sunnyside Office Park, 2 Carse O'Gowrie Road, Parktown, 2193

PLEASE NOTE THAT A CLAIM UNDER THIS GUARANTEE WILL ONLY BE HONOURED ON SUBMISSION OF THE ORIGINAL DOCUMENT

EMP APPROVAL L.T.O.
 SECTION 30 OF
 17 JAN 2014
 THE MPDRA, 2002
 (ACT 28 OF 2002)



- Mining methods to be followed;
 - Handling and storing of topsoil;
 - Sloping of excavations;
 - Speed control in order to reduce dust;
 - Emergency procedure awareness.
 - Labourers should be informed of the following during monthly "toolbox talks":
 - Reporting of unusual observations to management (e.g. fossils, graves, etc.);
 - Reporting of spills to management;
-
- Felling or damaging trees for firewood not allowed;
 - Making fires not allowed;
 - Hunting and killing of animals not allowed;
 - Demarcated areas for mining;
 - Establishing of access roads and erection of gates in fence lines;
 - Status of gates of farm owner;
 - Toilet facilities and hygiene measures;
-
- Handling of waste;
 - Vehicle maintenance and vehicle maintenance yard;
 - Emergency procedures awareness.



7 SECTION 39 (4) (a) (iii) of the Act: Capacity to rehabilitate and manage negative impacts on the environment.

7.1 The annual amount required to manage and rehabilitate the environment.

(Provide a detailed explanation as to how the amount was derived)

The annual amount required to manage and rehabilitate the environment was estimated to be R796830.11. Please see the explanation as to how this amount was derived at attached as Appendix E.

7.2 Confirmation that the stated amount correctly reflected in the Mining Work Programme as required.

The mining operation will be self-funded through income generated by sales of the gravel mined. Bridging finance, will be supplied where needed by Raubex Construction (Pty) Ltd.

8 REGULATION 52 (2) (h): Undertaking to execute the environmental management plan.

Herewith I, the person whose name and identity number is stated below, confirm that I am the person authorised to act as representative of the applicant in terms of the resolution submitted with the application, and confirm that the above report comprises EIA and EMP compiled in accordance with the guideline on the Departments official website and the directive in terms of sections 29 and 39 (5) in that regard, and the applicant undertakes to execute the Environmental management plan as proposed.

Full Names and Surname	Sonette Smit
Identity Number	8306220214087

