



mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA

SCOPING REPORT

FOR LISTED ACTIVITIES ASSOCIATED WITH MINING RIGHT AND/OR BULK SAMPLING ACTIVITIES INCLUDING TRENCHING IN CASES OF ALLUVIAL DIAMOND PROSPECTING.

SUBMITTED FOR ENVIRONMENTAL AUTHORIZATIONS IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998 AND THE NATIONAL ENVIRONMENTAL MANAGEMENT WASTE ACT, 2008 IN RESPECT OF LISTED ACTIVITIES THAT HAVE BEEN TRIGGERED BY APPLICATIONS IN TERMS OF THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT, 2002 (MPRDA) (AS AMENDED).

NAME OF APPLICANT: **Rotizone (Pty) Ltd**

TELNO: **083 375 9844**

FAX NO: -

POSTAL ADDRESS: **P.O. Box 3222, Johannesburg 2000**

FILE REFERENCE NUMBER SAMRAD: **NW30/5/1/1/2/12263PR**

IMPORTANT NOTICE

In terms of the Mineral and Petroleum Resources Development Act (Act 28 of 2002 as amended), the Minister must grant a prospecting or mining right if among others the mining "will not result in unacceptable pollution, ecological degradation or damage to the environment".

Unless an Environmental Authorization can be granted following the evaluation of an Environmental Impact Assessment and an Environmental Management Programme report in terms of the National Environmental Management Act (Act 107 of 1998) (NEMA), it cannot be concluded that the said activities will not result in unacceptable pollution, ecological degradation or damage to the environment.

In terms of section 16(3)(b) of the EIA Regulations, 2014, any report submitted as part of an application must be prepared in a format that may be determined by the Competent Authority and in terms of section 17 (1) (c) the competent Authority must check whether the application has taken into account any minimum requirements applicable or instructions or guidance provided by the competent authority to the submission of applications.

It is therefore an instruction that the prescribed reports required in respect of applications for an environmental authorization for listed activities triggered by an application for a right or permit are submitted in the exact format of, and provide all the information required in terms of, this template. Furthermore please be advised that failure to submit the information required in the format provided in this template will be regarded as a failure to meet the requirements of the Regulation and will lead to the Environmental Authorization being refused.

It is furthermore an instruction that the Environmental Assessment Practitioner must process and interpret his/her research and analysis and use the findings thereof to compile the information required herein. (Unprocessed supporting information may be attached as appendices). The EAP must ensure that the information required is placed correctly in the relevant sections of the Report, in the order, and under the provided headings as set out below, and ensure that the report is not cluttered with un-interpreted information and that it unambiguously represents the interpretation of the applicant.

OBJECTIVE OF THE SCOPING PROCESS

1. The objective of the scoping process is to, through a consultative process—
 - a. identify the relevant policies and legislation relevant to the activity;
 - b. motivate the need and desirability of the proposed activity, including the need and desirability of the activity in the context of the preferred location;
 - c. identify and confirm the preferred activity and technology alternative through an impact and risk assessment and ranking process;
 - d. identify and confirm the preferred site, through a detailed site selection process, which includes an impact and risk assessment process inclusive of cumulative impacts and a ranking process of all the identified alternatives focusing on the geographical, physical, biological, social, economic, and cultural aspects of the environment;
 - e. identify the key issues to be addressed in the assessment phase;
 - f. agree on the level of assessment to be undertaken, including the methodology to be applied, the expertise required as well as the extent of further consultation to be undertaken to determine the impacts and risks the activity will impose on the preferred site through the life of the activity, including the nature, significance, consequence, extent, duration and probability of the impacts to inform the location of the development footprint within the preferred site; and
 - g. Identify suitable measures to avoid, manage, or mitigate identified impacts and to determine the extent of the residual risks that need to be managed and monitored.
-

SCOPING REPORT

1) Contact Person and correspondence address

a) **Details of:**

i) **The EAP who prepared the report**

Name of the Practitioner: DERA Environmental Consultants (Pty) Ltd.
Mr Daan Erasmus
Tel No.: 018-468 5355
Fax No. : 018-468 4015
E-mail address:daane@dera.co.za

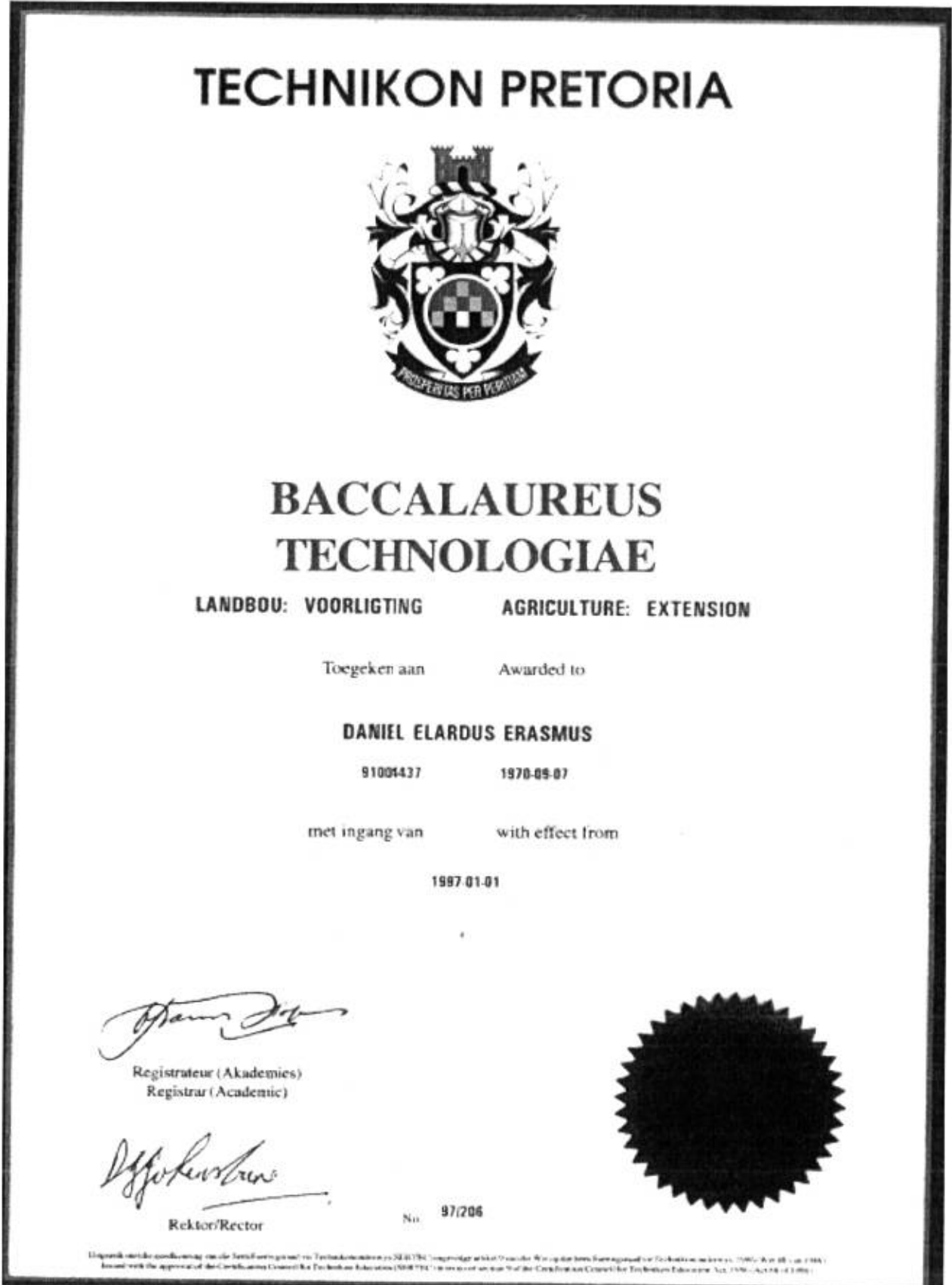
ii) **Expertise of the EAP.**

(1) The qualifications of the EAP

(With evidence attached as).

See next page for copy of qualification, Figure 1.

Figure 1 – Copy of Qualification



TECHNIKON
PRETORIA



TECHNIKON
PRETORIA

NASIONALE NATIONAL DIPLOMA

LANDBOU: HULPBRONBENUTTING

AGRICULTURE: RESOURCE UTILIZATION

Toegeken aan

Awarded to

DANIEL ELARDUS ERASMUS

91004437

7009075033088

met ingang van

with effect from

1994-01-01

Die volgende is voltooi

The following were completed

(Die oorspronklike naam)

(National Assessment)

Landbou-ekonomie I, II en III
Voorligtingsmetodiek I en II
Akkerbou I, II en III
Weidingkunde A
Bodembeplanning I en II
Bodembewaring I
Grondkunde I en II
*Meganisasie
Fisiese Wetenskap
Melkproduksietegnologie
Vleisheesproduksietegnologie
Kleinveeproduksietegnologie
Grondklassifikasie III

Agricultural Economics I, II and III
Extension Method I and II
Field Husbandry I, II and III
Pasture Science A
Land Use Planning I and II
Soil Conservation I
Soil Science I and II
Mechanisation*
Physical Science
Milk Production Technology
Beef Production Technology
Small Stock Production Technology
Soil Classification III

Minimum Opleidingstydperk: 3 Jaar
Minimum Training Period : 3 Years

SERTEC
Uitvoerende Direkteur/
Executive Director

Nr /No. ND1117/94

TECHNIKON
Rektor/Rector

(2) Summary of the EAP's past experience.

(Attach the EAP's curriculum vitae as Figure 2)

See **Figure 2** below Curriculum Vitae of D. E. Erasmus.

27 Lewis Street
Wekoppies
Klerksdorp

Phone +2718-468-6355
Fax +2718-468-4015
E-mail: dera@xisinet.co.za

DAAN ERASMUS

Curriculum Vitae Daniël Elardus Erasmus

February 2015

Personal Information

Name: Daniël Elardus Erasmus
 Date of Birth: 7 September 1970
 Place of Birth: Ottosdal, North West Province, South Africa
 Marital Status: Married with two children

Secondary & Post Secondary Education

1983-1988 Wolmaransstad High School, North West, SA
 Higher School Certificate – with Full Exemption

Subjects: English Afrikaans
 Mathematics Science
 Geography Accounting

1989-1990 Military Service, Potchefstroom, SA
 Artillery Division
Officers Course: II Lieutenant

1991-1994 Technikon Pretoria, Pretoria, SA
National Diploma
 Agriculture: Resource Utilization

Subjects: Agricultural Economics I, II and III
 Extension Method I, II and III
 Field Husbandry I, II and III
 Pasture Science A
 Land Use Planning I and II
 Soil Conservation I
 Soil Science I and II
 Mechanization
 Physical Science
 Milk Production Technology
 Beef Production Technology
 Small Stock Production Technology
 Soil Classification III
 Computer Application I

1996 Technikon Pretoria, Pretoria, SA
Baccalaureus Technologiae
 Agriculture: Extension
 Agricultural Resource Conservation Act in the North West Province of SA; management of personnel and personnel related matters; management of budget of regional office in Potchefstroom; monitoring mine rehabilitation and environmental management out of agricultural point of view; management and control of declared weeds and invader species.

2003-Present Began own company – DERA Environmental Consultants. Main scope of business: Compiling and submission of mining related applications; Manage and compile legal environmental documents. Further doing monitoring work to evaluated compliance to environmental legislation; evaluating outstanding rehabilitation liabilities for mining companies.
 Assist legal companies in determining environmental damage. Do assessment for closure applications. Give guidance in rehabilitation practices. Compile applications and basic assessment reports for chicken broilers and feed lots based on experience form management of the natural resources and the mitigation of impacts.

b) **Description of the property.**

Farm Name:	Panfontein 270 HO (Portion 9)
Application area (Ha)	103.7292 ha
Magisterial district:	Bloemhof
Distance and direction from nearest town	Approximately 25 km north of Bloemhof
21 digit Surveyor General Code for each farm portion	T0H00000000027000009

c) **Locality map**

(Show nearest town, scale not smaller than 1:250000 below as Figure 3)

Locality Map, see A3 view attached as Appendix 1(a).

d) **Description of the scope of the proposed overall activity.**i) **Listed and specified activities**

Provide a plan drawn to a scale acceptable to the competent authority but not less than 1:10 000 that shows the location, and area (hectares) of all the abovesaid main and listed activities, and infrastructure to be placed on site and attach as Appendix 1.

Appendix 1(b) – Infrastructure Map.

Table 1: Listed Activities

NAME OF ACTIVITY (All activities including activities not listed) (E.g. Excavations, blasting, stockpiles, discard dumps or dams, Loading, hauling and transport, Water supply dams and boreholes, accommodation, offices, ablution, stores, workshops, processing plant, storm water control, berms, roads, pipelines, power lines, conveyors, etc., etc., etc.)	Aerial extent of the Activity (Ha or m ²)	LISTED ACTIVITY Mark with an "X" where applicable or affected.	APPLICABLE LISTING NOTICE/CNRS44/GNR 545 or GNR346/NOT LISTED
Bulk sampling (Activity 19, Listing 2)	1 ha	X	GNR 325
Prospecting including Washing and Processing (Activity 20, Listing 1)	0.5 ha	X	GNR 327
Clearing of an area 1ha and more (Activity 27, Listing 1)	1.5 ha	x	GNR 327

ii) **Description of the activities to be undertaken**

(Describe Methodology or technology to be employed, and for a linear activity, a description of the route of the activity)

Table 2: Description of Activities to be followed

ITEM	DESCRIPTION
Environmental attributes. Describe how the Environmental attributes associated with the development footprint will be determined.	The site was visited and a proper foot survey will be conducted. The activities that will be conducted by the applicant will be discussed on site as described in the Prospecting Works Programme. The environmental setting on site and surrounding with the experience of the EAP will give an idea and lead to environmental attributes.
Identification of impacts and risks. Describe the process that will be used to identify impacts and risks.	The activities will take place according to the Prospecting Works Programme will be discussed in detail with the applicant on site. With the specific environmental setting in mind and more specifically, the type of soil, soil depth, land use, vegetation type, and distances to open water and structures, the EAP will be able to identify potential impact areas where significant impacts might occur and the risks thereof. The methods of rehabilitation that need to be done, in order to meet the objective of the final land use will also be taken in consideration.
Consideration of alternatives. Describe how alternatives, and in particular the alternatives to the proposed site layout and possible alternative methods or technology to be applied will be determined.	The prospecting will be done in 2 phases namely: Phase 1- Test pits Phase 2 - Bulk sampling through trenching. The site will be visited before the EMP/EIA is compiled. The different site alternatives will be discussed with the applicant on site. The entire application area will be visited and areas that might be environmentally sensitive will be identified. The proposed impacts and mitigations will also be discussed.
Process to assess and rank impacts. Describe the process to be undertaken to identify, assess and rank the impacts and risks each individual activity,	The site will be visited again before the EMP/EIA is compiled. The different site alternatives will be discussed with the applicant on site. The entire application area will be visited and areas that might be environmentally sensitive will be identified. The proposed impacts and mitigations will also be discussed. The EAP (with 21 years' experience in prospecting and mining activities) will assess the specific site for possible impacts. The assessment of impacts will be done according to a synthesis of the following assessment criteria: - Nature of the impact - Extent (spatial scale) - Duration - Magnitude or intensity of the impact (severity) - Probability The criteria that will be used to determine significance as described below. Nature of the impact: This is an appraisal of the type of effect the activity would have on the affected environment. The description includes how and what is being affected, whether it is positive or negative, as well as whether it is direct or indirect.

<p>Contribution of specialist reports. Describe how specialist reports, if required, will be taken into consideration and inform the impact identification, assessment and remediation process.</p>	No specialist reports required at this stage, unless specifically requested.
<p>Determination of impact management objectives and outcomes. Describe how impact management objectives will be determined for each activity to address the potential impact at source, and how the impact management outcomes will be aligned with standards.</p>	<p>The Nature of the impact: This is an appraisal of the type of effect the activity would have on the affected environment. The description includes how and what is being affected, whether it is positive or negative, as well as whether it is direct or indirect. Each impact will be assessed and quantified, and management objectives according to the first two steps, will be set. The management of the objectives will be aligned with the significance of the impact, as well as to ensure a positive outcome. The outcomes will be aligned with standards on environmental management and rehabilitation of mining areas according to Department Mineral Resources.</p>

e) Policy and Legislative Context

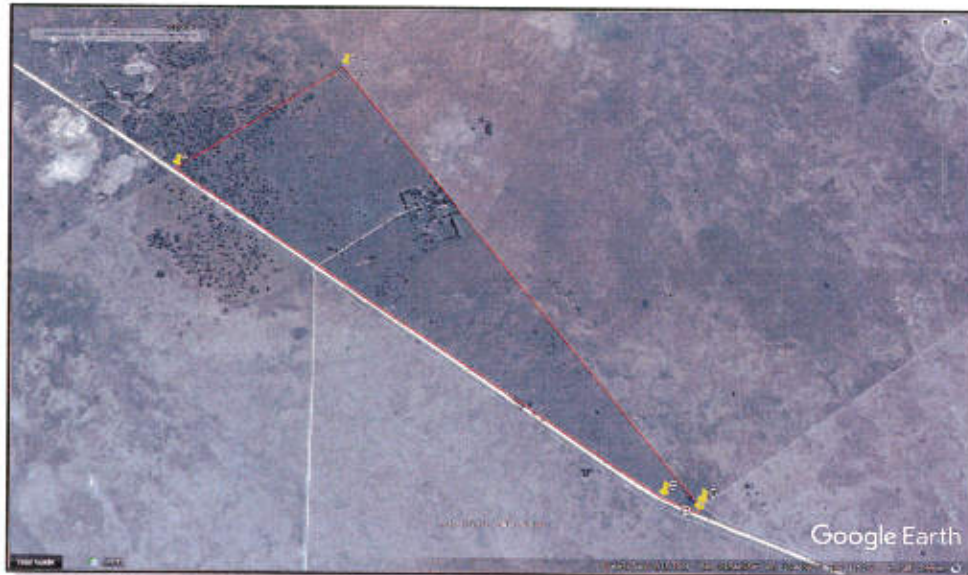
APPLICABLE LEGISLATION AND GUIDELINES USED TO COMPILE THE REPORT	REFERENCE WHERE APPLIED
<p><small>(a description of the policy and legislative context within which the development is proposed including an identification of all legislation, policies, plans, guidelines, spatial tools, municipal development planning frameworks and instruments that are applicable to this activity and are to be considered in the assessment process)</small></p>	
National Environmental Management Act, 1998 (Act 107 of 1998) (NEMA)	Submitted for Environmental Authorizations in terms of the National Environmental Management Act, 1998 and the National Environmental Management Waste Act, 2008 in respect of Listed Activities that has been triggered by applications in terms of the Minerals and Petroleum Resources Development Act, 2002 (As mentioned).
National Environmental Management Act, 1998 (Act 107 of 1998) (NEMA)	EA Authorization and BAR
National Environmental Management Act, 1998 (Act 107 of 1998): Environmental Impact Assessment Regulations, 2014 (G36282 – R962-985)	Compliance to Act and Regulations during course of activities.
World Heritages Convention Act, 1999 (Act 49 of 1999)	Compliance to Act and Regulations during course of activities.
Conservation of Agricultural Resources Act, No. 43 of 1983	Compliance to Act and Regulations during course of activities.

f) Need and desirability of the proposed activities.

(Motivate the need and desirability of the proposed development including the need and desirability of the activity in the context of the preferred location).

Although the 1:50 000 topographical map indicates that this application area is part of the SA Lombaard Reserve, in practice it is not part of the reserve. This application area is on the north-eastern side of the Bloemhof gravel road and not fenced off and used as part of the SA Lombaard Nature Reserve. The farm portion over which the application is applied for is currently classified as natural grazing, but not utilized. There are signs of old historical mining activities, which was overgrown by natural vegetation. The structures found on site are an entrance road, cement dam and old derelict buildings including houses and buildings of the old dog unit. See **Figure 3** for Google Earth Images below and see Appendix 1a for photo sheet of the application area. Access to the application area is gained by an existing road from the Bloemhof gravel road. Only a small portion of the grazing land will be impacted upon at any given time and land use on the rest of the area can proceed normally. The prospecting focus area will be clearly demarcated. The area applied for is over the entire portions. After prospecting the land will be used for grazing.

See Figure 3: Google Earth Images



g) **Period for which the environmental authorization is required**

Four (4) years.

h) **Description of the process followed to reach the proposed preferred site.**

NEF — This section is not about the impact assessment itself. It is about the determination of the specific site layout (having taken into consideration¹) the comparison of the originally proposed site plan, the comparison of that plan with the plan of environmental features and current land uses, the issues raised by interested and affected parties, and the consideration of alternatives to the initially proposed site layout as a result.

The prospecting area was identified through aerial photographs. The extent of the prospecting area will be 103 hectares.

PHASE 1:

Geological desktop studies and surveys in order to try and identify the gravel run. Various geological maps and instruments will be used to identify if alluvial gravel deposits might be present on the application area. **12 Months needed for phase 1.**

PHASE 2:

In Phase 2 test pits will be made (1 m x 2 m x ± 3 - 5m deep), on a grid of 100 x 100meters and where necessary on a 50 x 50 meters grid where the gravel outcrops. This test pits are made with a 30 ton excavator, to determine if any diamond bearing gravel does occur. This test pits will be closed up immediately before the excavator move on to the next one. **It is envisaged that 40 test pits will be excavated and 24 Months are needed for Phase 1.**

PHASE 3:

In order to determine if the gravel does have diamonds the gravel needs to be taken out and tested, by putting it through the washing process or DMS plant. Trenching will be used to open the gravel in order to get a representative sample for testing. The trenches will be 50 x 20 x ± 3 m (deep). In one trench ± 3000m³ (4800 ton) gravel will be exposed and tested with a 14 feet washing pan at a rate of 6m³ (10 ton) an hour. The total prospecting area is 103 hectares, thus it is anticipated that a total of 30 000m³ (48 000ton) will be tested by making trenches on different locations over the whole prospecting area, where the possibility of diamond bearing gravel were identified with the test pits. Taken at an 8 hour working day, 5 days a week and 20 days a month, the applicant will be able to process 1200m³ a month. **The processing of 30 000m³ will take about 24 months for Phase 3.**

i) **Details of all alternatives considered.**

With reference to the site plan provided as Appendix 1 and the location of the individual activities on site, provide details of the alternatives considered with respect to:

Alternative is not applicable. The specific land applied for is the area to believe that minerals can be explored. The current land is used as grazing land. The option to explore the possibility for prospecting is already in itself

an alternative land use. The applicant is not interested in any other alternative land use over this land aside of diamond bearing gravel exploration, or any other activity, or method use other than mining for Diamonds in the conventional way, which is the most cost effective.

(a) the property on which or location where it is proposed to undertake the activity
There are no alternative for the property as the application is for this farm portion.

(b) the type of activity to be undertaken
The type of activity is in line with the submitted Prospecting Programme.

(c) the design or layout of the activity
The layout of the activity will and can only be on the application area as per sketch plan.

(d) the technology to be used in the activity
The technology used in the activity will as described in the Prospecting Programme and the best options will be determined by the applicant.

(e) the operational aspects of the activity, and
The operational aspect is only the prospecting of diamonds on this specific area.

(f) the option of not implementing the activity
This option might only be possible if the applicant decide to abandon the project.

ii) Details of the Public Participation Process Followed

Describe the process undertaken to consult interested and affected parties including public meetings and one on one consultation. NB the affected parties must be specifically consulted regardless of whether or not they attended public meetings, information to be provided to affected parties must include sufficient detail of the intended operation to enable them to assess what impact the activities will have on them or on the use of their land.

The process as described by NEMA for Environmental Authorization was followed. See **Table 3** below for the identification of Interested and Affected Parties to be consulted with. The landowner (RSA) and the direct neighbours were consulted personally and through a letter that was given to them by hand or email.

A site notice was placed at the entrance gate of the farm. With this site notice all passers-by are requested to submit any written comments to be forwarded to the consultant (still awaiting response). A notice was also publish in the Stellalander Newspaper of 17 January 2018. See proof of consultation under **Appendix 2**. The Public Participation process is still on-going and the documents will be updated as more feedback is received back.

Appendix 2 – Proof of consultation.

Table 3: Description of process to be undertaken to consult interested and affected parties

IDENTIFICATION CRITERIA	Mark with an X where applicable	
	YES	NO
Will the landowner be specifically consulted?	X	
Will the lawful occupier on the property other than the Landowner be consulted?	X	
Will a tribal authority or host community that may be affected be consulted?		X
Will recipients of land claims in respect of the area be consulted?	X	
Will the landowners or lawful occupiers of neighbouring properties been identified?	X	
Will the local municipality be consulted?	X	
Will the Authority responsible for power lines within 100 meters of the area be consulted?		X
Will Authorities responsible for public roads or railway lines within 100 meters of the area applied for be consulted?		X
Will authorities responsible for any other infrastructure within 100 meters of the area applied for be consulted? (Specify)		X
Will the Provincial Department responsible for the environment be consulted?	X	
Will all of the parties identified above be provided with a description of the proposed mining /prospecting operation as referred above?	X	
Will all the parties identified above be requested in writing to provide information as to how their interests (whether it be socio-economic, cultural, heritage or environmental) will be affected by the proposed mining project?	X	
Other, Specify		

Table 4: Furthermore the details of the engagement process to be followed are as reflected below.

<p>Steps to be taken to notify interested and affected parties (Describe the process to be undertaken to consult interested and affected parties including public meetings and one on one consultation. NB the affected parties must be specifically consulted regardless of whether or not they attended public meetings. Photographs of notice and copies of advertisements and notices notifying potentially interested and affected parties of the proposed application are attached as Appendix 2).</p>	<p>PROVIDE DESCRIPTION HERE The landowner - RSA. The neighbours were informed personally, consulted by the applicant. A consultation letter was sent to the Local Municipality. An advertisement was placed in the local newspaper (Stellalander Newspaper) for comments and a public meeting was held.</p>
<p>Information to be provided to Interested and Affected Parties.</p>	<p>Compulsory The site plan. List of activities to be authorized Scale and extent of activities to be authorized Typical impacts of activities to be authorized (e.g. surface disturbance, dust, noise, drainage, fly rock etc.) The duration of the activity. Sufficient detail of the intended operation to enable them to assess what impact the activities will have on them or on the use of their land) Other, specify: a prospecting works programme</p>
<p>Information to be required from Interested and Affected Parties.</p>	<p>Compulsory To provide information on how they consider that the proposed activities will impact on them or their socio-economic conditions To provide written responses stating their suggestions to mitigate the anticipated impacts of each activity To provide information on current land uses and their location within the area under consideration To provide information on the location of environmental features on site to make proposals as to how and to what standard the impacts on site can be remedied. requested to make written proposals To mitigate the potential impacts on their socio economic conditions to make proposals as to how the potential impacts on their infrastructure can be managed, avoided or remedied). Other, Specify</p>

12 January 2018

ROTIZONE (PTY) LTD – PANFONTEIN 270 HO (PORT.9) –
NW30/5/1/1/2/12263 PR

iii) Summary of issues raised by I&AP's

(Complete the table summarising comments and issues raised, and reaction to those responses)

Interested and Affected Parties List the names of persons consulted in this column, and mark with an 'X' where those who must be consulted were in fact consulted.	Date sent and/or Comments Received	Issues raised	EAP's response to the applicant
AFFECTED PARTIES			
Landowner/s			
Public Works	13 Dec 2017 11 Jan 2018	Still in process	
(Landowner)			
Lawful occupier/s of the land			
North West Parks Board Phuti Mahloko Tel: 018 397 1500 Cell: 081 362 6401 E-mail: pmahloko@nwpb.org.za	29 Jan 2018	Registered as Interested and affected party.	
Landowners or lawful occupiers on adjacent properties			
Municipal councillor			
Municipality			
Lekwa Teemane Local Municipality Phakiso Leshage Fax: 053 441 3735	13 Dec 2017 11 Jan 2018	Fax sent – no response	
Organs of state (Responsible for infrastructure that may be			
Eskom			
Communities			
Dept. Land Affairs			
Mr. KeatibweMothupi, Office of the Regional Land Claims Commissioner, N.W Province; Private Bag X08, Mmabatho, 2735; Fax: 018 389 9641	11 Jan 2018	E-mail sent	
Traditional Leaders			
N/A			
Dept. Rural, Environment and Agricultural Development			
Ouma Skosana Agricentre Building, Cnr James Moroka & Stadium Road, Mmabatho, 2735 E-mail: oskosana@mrags.gov.za	15 Jan 2018	Scoping report sent with Fastway counters for comments	
Dept. Water and Sanitation			
Ester Makungo Private Bag X6131, Kimberley, 8301 Tel: 015 405 9000 E-mail: groblerw@dws.gov.za	15 Jan 2018	Scoping report sent with registered post for comments	
Dept. Agriculture, Forestry and Fisheries			
Maurice Vuyega Louis le Grange Building, Cnr Peter Mokaba & Wolmarans street, 3 rd Floor, Office nr 318, Potchefstroom, 2520	15 Jan 2018	Scoping report sent with Fastway counters for comments	
Dept. Rural Development and Landform			

12 January 2018

ROTIZONE (PTY) LTD – PANFONTEIN 270 HO (PORT.9) – NW30/5/1/1/2/12263 PR

Other Competent Authorities SAHRIS P.O. Box 4637, Cape Town, 8000 Tel: 021 462 4502 Fax: 021 462 4509 E-mail: info@sahra.org.za	5 Feb 2018		
OTHER AFFECTED PARTIES			
INTERESTED PARTIES			

Notice published in Stellalander Newspaper 17 January 2018

iv) The Environmental attributes associated with the sites

(1) Baseline Environment

Introduction:

The purpose of this section is to provide information on the environment in which the proposed prospecting activities will take place, with a view to identify sensitive issues/areas, which need to be considered when conducting the impact assessment.

The application is over the: **Portion 9 of the farm Panfontein 270 HO**. This area consists of 100% natural veld, currently not in use.

Magisterial District:

Bloemhof.

Direction from neighbouring town:

The driving direction and distance to proposed application area are 16 min (15.6 km) via R34 from SAPS Bloemhof Police Station, Bloemhof, 2660. Head north on Voortrekker Street toward Prince Street (N12/R34) for 57 m. Turn left at the 1st cross street onto Prince Street (N12/R34) drive for 1.0 km. Turn right onto R34 and drive for 5.7 km. Turn left, the proposed prospecting area will be ahead of you on the right after 8.8 km.

Longitude (approximate centre of mining site):

25.494937° E

Latitude (approximate centre of mining site):

-27.575605° S

Existing Surface Infrastructure:

The existing infrastructure consists of an entrance road, livestock water and old derelict farmstead.

(a) Type of environment affected by the proposed activity.

(its current geographical, physical, biological, socio-economic and cultural character)

VEGMAP (2006) classified this area as part of the (SVk 4) Kimberley Thornveld. VT 16 Kalahari Thornveld and Shrub Bushveld (50%) (Acocks 1953). LR 32 Kimberley Thorn Bushveld (74%) (Low & Rebel* 1996).

Distribution: North-West, Free State and Northern Cape Provinces: Most of the Kimberley, Hartswater, Bloemhof and Hoopstad Districts as well as substantial parts of the Warrenton, Christiana, Tauhg, Boshof and to some extent the Barkly West Districts. Also includes pediment areas in the Herbert and Jacobsdal Districts. Altitude 1 050-1 400 m. [See **Figure 5** below]. Plains often slightly irregular with well-developed tree layer with *Acacia erioloba*, *A. tortilis*, *A. karroo* and *Boscia albitrunca* and well-developed shrub layer with occasional dense stands of *Tarchonanthus camphoratus* and *A. mellifera*. Grass layer open with much uncovered soil.

Climate:

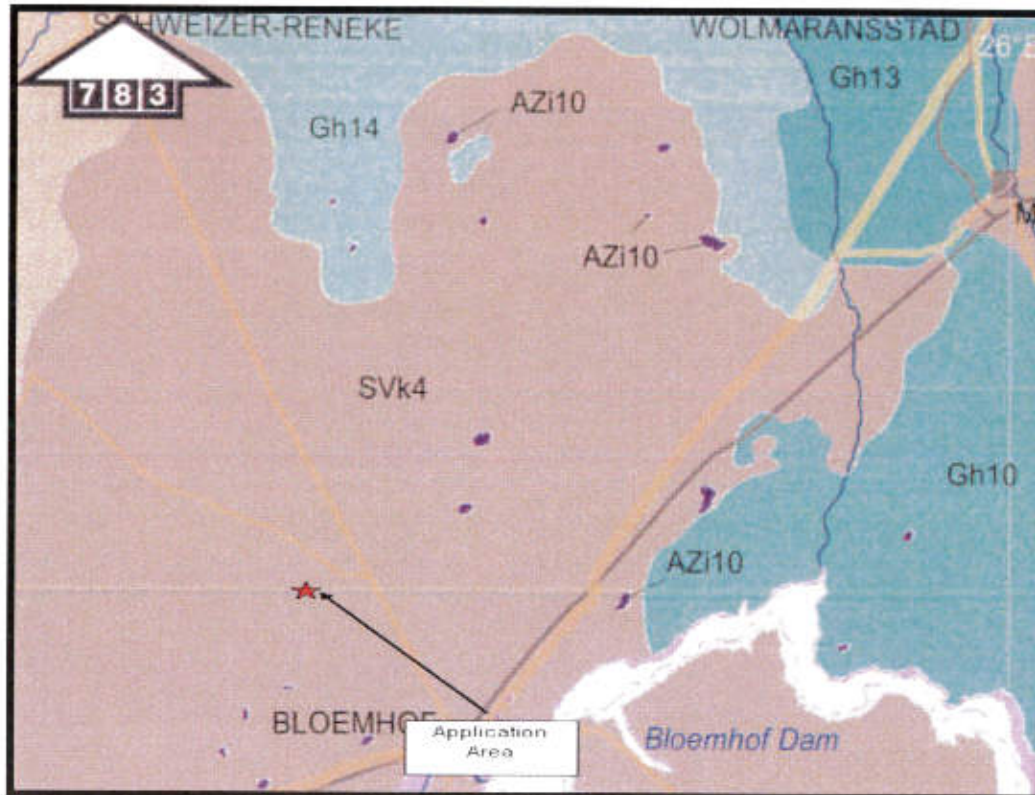
Summer and autumn rainfall and very dry winters. MAP from about 300 mm in the southwest to about 500 mm in the northeast. Frost frequent in winter. Mean monthly maximum and minimum temperatures for Kimberley 37.5°C and -4.1°C for January and July, respectively. Corresponding values for Vaalharts-Agr 37.4°C and -3.9°C, respectively. See also climate diagram for SVk 4 Kimberley Thornveld.

Geology & Soil:

Andestic lavas of the Allanridge Formation in the north and west and fine-grained sediments of the Karoo Supergroup in the south and east. Deep (0.6-1.2 m) Diamonds to loamy soils of the Hutton soil form (Ae and

Ah land types) on slightly undulating Diamondsy plains.

Figure 5: The VEGMAP classification: Western Highveld Diamondsy Grassland [Gh 14]



Vegetation [Flora] and Landscape Features:

Important Taxa- Graminoids: **Tall Tree:** *Acacia erioloha* (d). **Small Trees:** *Acacia karroo* (d), *A. mellifera* subsp. *detinens* (d), *A. tortilis* subsp. *heteracantha* (d), *Rhus lancea*. **Tall Shrubs:** *Tarchonanthus camphoratus* (d), *Diospyros pallens*, *Ehretia rigida* subsp. *rigida*, *Euclea crispa* subsp. *ovata*, *Grewia flava*, *Lycium arenicola*, *L. hirsutum*, *Rhus tridactyla*. **Low Shrubs:** *Acacia hebeclada* subsp. *hebeclada* (d), *Anthospermum rigidum* subsp. *pumilum*, *Helichrysum zeyheri*, *Hermannia comosa*, *Lycium pillifolium*, *Melolobium microphyllum*, *Pavonia burchellii*, *Peliostomum leucorrhizum*, *Plinthus sericeus*, *Wahlenbergia nodosa*. **Succulent Shrubs:** *Aloe hereroensis* var. *hereroensis*, *Lycium cinereum*. **Graminoids:** *Eragrostis lehmanniana* (d), *Aristida canescens*, *A. congesta*, *A. mollissima* subsp. *argentea*, *Cymbopogon pospischilii*, *Digitaria argyrograpta*, *D. eriantha* subsp. *eriantha*, *Enneapogon cenchroides*, *E. scoparius*, *Eragrostis rigidior*, *Heteropogon contortus*, *Themeda triandra*. **Herbs:** *Barleria macrostegia*, *Dicoma schinzii*, *Harpagophytum procumbens* subsp. *procumbens*, *Helichrysum cerastioides*, *Hemibstaedia odorata*, *Hibiscus marlothianus*, *Jamesbrittenia aurantiaca*, *Lippia scaberrima*, *Osteospermum muricatum*, *Vahlia capensis* subsp. *vulgaris*, **Succulent Herbs:** *Aloe grandidentata*, *Piaranthus decipiens*. **Biogeographically Important Taxa** (^{Gw}Griqualand West endemic, ^KKalahari endemic) **Low Shrub:** *Blepharis marginata*^{Gw}. **Succulent Shrub:** *Euphorbia bergii*^{Gw}. **Graminoid:** *Panicum kalaharensis*^K. **Herbs:** *Helichrysum arenicola*^K, *Neuradopsis bechuanensis*^K. **Succulent Herbs:** *Lithops aucampiae* subsp. *aucampiae*^{Gw}, *Tridentia marientalensis* subsp. *marientalensis*^K.

Conservation status: Least threatened. Target 16%. Only 2% statutorily conserved in Vaalbos National Park as well as in Sandveld, Bloemhof Dam and S.A. Lombard Nature Reserves. Some 18% already transformed, mostly by cultivation. Erosion is very low. Area is mostly used for cattle farming or game ranching. Overgrazing leads to encroachment of *Acacia mellifera* subsp. *detinens*. References Bezuidenhout (1994, 1995), Smit (2000).

Animal Life [Fauna]:

Small animals common in this area are: Steenbuck, Duiker, Jackal and Meer cats.

Topography:

The site has one terrain type, which is characterized as plains often slightly irregular with well-developed tree layer. The slope varies around <0.1% to not more than 3%.

Surface Water:

This application area fall within the water management area of the Lower Vaal (9) and secondary catchment area C91 and tertiary drainage region C91A. There is an old historical stream area (some 800 m west) on the opposite site of the road that cut through the bigger farm Panfontein 270 HO. This area however only seems to have water flow of standing water during the rainfall periods, but mining on this site are not foreseen to have any direct influence of impact on this surface water body, as long as all mining related activities are kept 100 meters horizontally away for this surface water body. There are further no other open water or streams within the application area.

Ground Water:

There are boreholes on the application area used for the houses. The applicant intends to use water from these current boreholes. The water uses will be 100m³ a day for the primary processing in the bulk sampling phase.

Air Quality:

The impact on air quality will only start with the bulk sample where dust from excavating and from the roads will occur. This impact will be low and will be monitored and mitigated through wetting of the roads.

Noise:

The impact of noise will only start with the bulk sample where noise from the mining equipment will be generated. This operation will only be in day time working hours and will have a low impact on current surroundings.

Sites of Archaeological and Cultural Interest:

No graveyards.

According to Section 36(3) of the National Heritage Resources Act 25 of 1999 no person may, without a permit issued by SAHRA or a provincial heritage resources authority—

- (a) destroy, damage, alter, exhume or remove from its original position or otherwise disturb the grave of a victim of conflict, or any burial ground or part thereof which contains such graves;
- (b) destroy, damage, alter, exhume, remove from its original position or otherwise disturb any grave or burial ground older than 60 years which is situated outside a formal cemetery administered by a local authority; or
- (b) bring onto or use at a burial ground or grave referred to in paragraph (a) or (b) any excavation equipment, or any equipment which assists in the detection or recovery of metals.

It is recommended that the graveyard is included in the overall management plan of the mine development. Preservation of the site will require that the area is properly demarcated with at least a 20m buffer zone placed around the graveyard in order to avoid potential damage during mining activities. It will be necessary to ensure that the graveyard is accessible to the relatives of the deceased. There are no major archaeological grounds to halt the proposed development. However, the potential occurrence of unmarked graves or subsurface finds not recorded during this survey can never be excluded, so it is advised that SAHRA and a qualified archaeologist are informed immediately if archaeological objects are uncovered.

Sensitive Landscapes:

There are no sensitive areas that were identified on the application area.

Visual Aspects:

These prospecting activities will be visible to all passersby on the gravel road that form the western boundary of the application area.

Social:

The proposed activity will employ 7 people, of which a few are resident around the operation. Various social amenities are available close to the operation. These include schools, hospitals churches, recreation facilities as well as a Police Station at Bloemhof, which is located approximate 15.6 km south-east of the operation.

(b) Description of the current land uses.

The current land use is natural grazing. The majority of the application area is used for grazing; however the natural grasslands and biodiversity have been affected and altered by agricultural activities and historical mining activities.

(c) Description of specific environmental features and infrastructure on the site.

Please refer to Section 2 (d)(ii) **Table 2** for a description of the activities and the infrastructure which are foreseen to form part of the proposed activity. The existing infrastructure on site consists out of an entrance road, livestock water and old derelict farmstead.

(d) Environmental and current land use map.

(Show all environmental and current land use features)

Current land use of the application area consists of natural veld. The landowner uses the area for natural grazing. See **Appendix 1 [Infrastructure Map]** for more detail.

v) Impacts identified

[Provide a list of the potential impacts identified of the activities described in the initial site layout that will be undertaken, as informed by both the typical known impacts of such activities, and as informed by the consultations with affected parties together with the significance, probability and duration of the impacts]

The proposed project is anticipated to impact on a range of biophysical and socio-economic aspects of the environment. The main purpose of the Scoping Report is to identify and evaluate the significance of these potential impacts and determine how they can be minimized or mitigated.

It should be noted that a comprehensive Environmental Management Program (EMPr) will be developed and implemented to regulate and minimize the direct, indirect and cumulative impacts during the construction and operational phases. The potential environmental impacts identified during the Scoping Phase, which will be investigated further in the Impact Assessment Phase of the project are summarized in **Table 5** on the next page.

Table 5: Impact significance identification matrix for Panfontein 270 HO

PHASE	Components	ABIOTIC										BIOTIC			VISUAL			SOCIO-ECONOMIC				
		A	B	C	D	E	F	F	G	H	I	J	K	L	M	N	Archaeological & cultural sites	Socio-economic	Affected parties			
Construction	Impacts																					
	Activity, Product or Service																					
	Demarcation of mine lease area.																					
	Establishment (site preparation, vegetation clearance, trench removal and stockpiling of proper access roads (upgrade existing road), site workshop & storage area (temporary containers), mineral processing plant conveyor, mobile screen and 1 x 14 foot washing pans, generator, etc.)																					
	Initial vegetation clearance, topsoil removal & stockpiling																					
	Need to first open up site/track within the mine lease area.																					
	Establishment of hydropower plant and electrical storage facilities, chemical tanks.																					
	Provision of storage tanks for potable (drinking water) and process water (for augmentation)																					
	Provision of waste handling/disposal facilities (domestic & industrial waste bins)																					
	Fencing - will involve raising side as required in terms of the MESA. Ensure access control (gate), etc.																					
	Vegetation clearance, topsoil removal & stockpiling and to open up site/track within the mine lease area (0.5 ha of surface area disturbed at any given time)																					
	Mechanically excavating overburden with an excavator and stockpile separately from topsoil strip. Remove gravel with excavator and stockpile on side of haulspit to feed onto trucks.																					
Topsoil with tracks to mineral processing plant (conveyor, screens, 1 x 14 foot washing pans) for processing and sorting of concentrate at set intervals.																						
The wet waste (sludge) coming out of the pans will be pumped to open excavations & some dam, from where excess water is recycled.																						
Backfilling of excavations (as part of consummation reclamation), the coarse gravel (rough) sifted from the pans will be transported back by front-end loader's towards all open pits for backfilling.																						
Final backfilling of all voids/overburden and topsoil of overburden dumps (excess material as the result of swell factor).																						
Construction of modified sites																						

12 January 2018

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PHASE	Components	A	B	C	D	ABIOTIC				BIOTIC				K	L	M	N
		Geology	Topography	Soil	Land capability	Land use	Surface water	Ground water	Air quality	Noise	Vegetation	Wildlife	Sensitive landscapes	Visual impact	Archaeological & cultural sites	Socio-economic	Affected parties
13	Activity, Product or Service																
14	Replace and spread all topsoil evenly over backfilled sites.			H+	H+	H+	H+	H+	L	H+	H+		H+		H+		H+
15	Establishment of vegetation cover.			H+	H+	H+	H+	H+	H+	H+	H+		H+		H+		H+
16	Removal of all temporary & demolition of all permanent structures (Section 24 of the MPRDA). Rehabilitation of all access roads, commercial areas, etc.			H+	H+	H+	H+	H+	L	H+	H+		H+		H+		H+

vi) Methodology used in determining the significance of environmental impacts

(Describe how the significance, probability, and duration of the aforesaid identified impacts that were identified through the consultation process were determined in order to decide the extent to which the initial site layout needs revision).

I. Introduction:

Table 9 describes and evaluates the effects of the different prospecting projects and the associated activities on the natural and social environments. The different environmental components, on which the project (can/may) have an impact, are:

- | | |
|--------------------|---------------------------------------|
| 1. Geology | 9. Ground Water |
| 2. Topography | 10. Air Quality |
| 3. Soil | 11. Noise |
| 4. Land Capability | 12. Archaeological and Cultural sites |
| 5. Land Use | 13. Sensitive Landscapes |
| 6. Vegetation | 14. Visual Aspects |
| 7. Wildlife | 15. Socio-economic Structure |
| 8. Surface Water | 16. Interested and Affected Parties |

IMPACT ASSESSMENT

Before the impact assessment could be done the different project activities were identified:

ACTIVITIES:

2. Access Roads (Existing farm roads to be upgraded)
3. Temporary office, workshops, ablution facility, water tanks, diesel tanks and other temporary buildings
4. Prospecting equipment (conveyor, drum screen, washing pans, generator)
5. Stockpiles
6. Overburden dumps
7. Opencast trenches (as part of bulk sampling)
8. Tailings dam (porrel dam)

II. Environmental Impact Assessment Summary:

- **Environment likely to be affected by the prospecting operation. (See Appendix 1 for location)**

Environmental aspect	Affected		Not affected
	Neoglible	Substantial	
1. GEOLOGY		X	
2. TOPOGRAPHY	X		
3. SOIL		X	
4. LAND CAPABILITY		X	
5. LAND USE	X		
6. VEGETATION		X	
7. WILDLIFE	X		
8. SURFACE WATER			X
9. GROUND WATER	X		
10. AIR QUALITY	X		
11. NOISE	X		
12. SENSITIVE LANDSCAPES			X
13. VISUAL ASPECTS	X		
14. SOCIO ECONOMICS	X		
15. INTERESTED & AFFECTED PARTIES	X		
16. ARCHAEOLOGICAL			X

- **Environment likely to be affected by the alternative land use**

Prospecting will be a new land use over this area, although historic mining have taken place in the past. The site that is earmarked for prospecting represents $\pm 1\%$ of the total area applied for. And it is further not foreseen that prospecting activities would disturbed an area of not more than 1 ha at any given time. The rest of the terrain would continue to be used for agriculture purposes by the landowner.

- **Assessment of the impacts created by the prospecting activity**

Before any assessment can be made the following evaluation criteria need to be described:

*Explanation of **probability** of impact occurrence*

Probability of	Explanation of probability
Very low	<20% sure of particular fact or likelihood of impact occurring.
Low	20 to 39% sure of particular fact or likelihood of impact occurring.
Moderate	40 to 59% sure of particular fact or likelihood of impact occurring.
High	60 to 79% sure of particular fact or likelihood of impact occurring.
Very high	80 to 99% sure of particular fact or likelihood of impact occurring.
Definite	100% sure of particular fact or likelihood of impact occurring.

*Explanation of **extent** of impact*

Extend of impact	Explanation of extend
Site specific	Direct and indirect impacts limited to site of impact only.
Local	Direct and indirect impacts affecting environmental elements within the Bloemhof area.
Regional	Direct and indirect impacts affecting environmental elements within North West Province.
National	Direct and indirect impacts affecting environmental elements on a national level.
Global	Direct and indirect impacts affecting environmental elements on a global level.

*Explanation of **duration** of impact*

Duration of	Explanation of duration
Very short	Less than 1 year
Short	1 to 5 years
Medium	6 to 12 years
Long	13 to 50 years
Very long	Longer than 50 years
Permanent	Permanent

*Explanation of **impact significance***

Impact significance	Explanation of significance
No impact	There would be no impact at all - not even a very low impact on the system or any of its parts.
Very low	Impact would be negligible. In the case of negative impacts, almost no mitigation and/or remedial activity would be needed, and any minor steps, which might be needed, would be easy, cheap and simple. In the case of positive impacts, alternative means would almost all likely to be better, in one or a number of ways, than this means of achieving the benefit.
Low	Impact would be of a low order and with little real effect. In the case of negative impacts, mitigation and/or remedial activity would be either easily achieved or little would be required, or both. In case of positive impacts, alternative means for achieving this benefit would likely be easier, cheaper, more effective, less time-consuming, or some combination of these.
Moderate significance	Impact would be real but not substantial within the bounds of those which could occur. In the case of negative impacts, mitigation and/or remedial activity would be both feasible and fairly easily possible. In the case of positive impacts, other means of achieving these benefits would be about equal in time, cost and effort.
High significance	Impacts of a substantial order. In the case of negative impacts, mitigation and/or remedial activity would be feasible but difficult, expensive, time-consuming or some combination of these. In the case of positive impacts, other means of achieving this benefit would be feasible, but these would be more difficult, expensive, time-consuming or some combination of these.
Very high significance	Of the highest order possible within the bounds of impacts which could occur. In the case of negative impacts, there would be no possible mitigation and/or remedial activity to offset the impact at the spatial or time scale for which it was predicted. In the case of positive impacts, there is no real alternative to achieving the benefit.

III. Assessment of the nature, extent, duration, probability and significance of the potential environmental, social and cultural impacts of the proposed prospecting operation, including the cumulative environmental impacts.

ASPECT	IMPACTS				CUMULATIVE IMPACTS
1. GEOLOGY					
Nature of the impact	Geology (alluvial deposits will be destroyed during the opencast prospecting operation. During operation which will be for the next 5 years, the mineral resource (diamonds in Alluvial & Kimberlite) will be extracted from alluvial deposits. Waste rock material/overburden material is disposed off/backfilled in existing excavations as part of the prospecting process.				
Extent	Site				Activity causing the impact
Duration	Permanent				An opencast prospecting method will be used to extract bulk samples. Therefore the original geology will be totally destroyed.
Probability	Definite				
Significance	High				
Phase responsible for the impact	Phase 1	Phase 2	Phase 3	Closure	
		X	X		

ASPECT	IMPACTS	CUMULATIVE IMPACTS								
2. TOPOGRAPHY										
Nature of the impact	<p>* Change in landform :</p> <p>* The prospecting site is situated on: level plains some relief.</p> <p>* Disturbance of the surface drainage:</p> <p>The prospecting of the alluvial deposits will result in the creation of trenches (20 x 50 x 3 m or less), that act as depressions in the environment that captures run-off. Prospecting activities will be concentrated as indicated on Appendix 4 on the application area (approximately 3 m depth). The surface drainage is already disturbed. Normal surface drainage will be disturbed at a given point.</p> <p>Run-off if any will be diverted away from the specific site.</p>									
Extent	Site	Activity causing the impact								
Duration	Very long to Permanent	Bulk sampling trough trenches, etc.								
Probability	Definite									
Significance	High									
Phase responsible for the impact	<table border="1"> <thead> <tr> <th>Phase 1</th> <th>Phase 2</th> <th>Phase 3</th> <th>Closure</th> </tr> </thead> <tbody> <tr> <td></td> <td>X</td> <td>X</td> <td>X</td> </tr> </tbody> </table>	Phase 1	Phase 2	Phase 3	Closure		X	X	X	
Phase 1	Phase 2	Phase 3	Closure							
	X	X	X							

ASPECT	IMPACTS	CUMULATIVE IMPACTS								
3. SOIL										
Nature of the impact	The surface area is characterized by various soil depths. Any construction of infrastructure should be preceded by the removal of all available topsoil.									
Extent	Site	Activity causing the impact								
Duration	Long	In the process of removing topsoil the soil layers are mixed and the structure may be disturbed.								
Probability	High									
Significance	Moderate									
Phase responsible for the impact	<table border="1"> <thead> <tr> <th>Phase 1</th> <th>Phase 2</th> <th>Phase 3</th> <th>Closure</th> </tr> </thead> <tbody> <tr> <td></td> <td>X</td> <td>X</td> <td></td> </tr> </tbody> </table>	Phase 1	Phase 2	Phase 3	Closure		X	X		
Phase 1	Phase 2	Phase 3	Closure							
	X	X								

ASPECT	IMPACTS	CUMULATIVE IMPACTS								
3. SOIL										
Nature of the impact	<p>The establishment, construction, operation and eventually rehabilitation (demolition) of listed structures such as the access roads, stockpiles /tailings dumps, cause compaction of soil.</p> <p>Some areas already disturbed thus no topsoil.</p> <p>All prospecting activities will be concentrated on the identified prospecting focus area where alluvial deposits could be found.</p> <p>In the same time a certain surface area is therefore alienated. The active prospecting surface area (alienated) would be restricted within the ±0.75 ha at any given time (in relation to area of application of the prospecting right of 103 ha) for the next 5 years.</p>									
Extent	Site	Activity causing the impact								
Duration	Long	Site preparation for additional prospecting sites and the construction, operation of listed infrastructure.								
Probability	High									
Significance	Moderate									
Phase responsible for the impact	<table border="1"> <thead> <tr> <th>Phase 1</th> <th>Phase 2</th> <th>Phase 3</th> <th>Closure</th> </tr> </thead> <tbody> <tr> <td></td> <td>X</td> <td>X</td> <td>X</td> </tr> </tbody> </table>	Phase 1	Phase 2	Phase 3	Closure		X	X	X	
Phase 1	Phase 2	Phase 3	Closure							
	X	X	X							

ASPECT	IMPACTS	CUMULATIVE IMPACTS								
3. SOIL										
Nature of the impact	Soil erosion: Due to the fact that certain surface areas would become compacted and this would lead to lesser infiltration of rainwater and more run-off that could cause erosion on bare disturbed surfaces. Erosion would always be possible until such time a vegetation cover is provided during rehabilitation phase.									
Extent	Site	Activity causing the impact								
Duration	Very short	When removing topsoil during site preparation, little storm water control structures are in place. If a severe storm hits the area, it may lead to erosion on site. Topsoil stockpiles may be prone to erosion due to lack of vegetation cover.								
Probability	Very low	Water control structures may fail or severe rainstorms may cause excessive run-off.								
Significance	Low	Surface compaction due to activities taking								
Phase responsible for the impact	<table border="1"> <thead> <tr> <th>Phase 1</th> <th>Phase 2</th> <th>Phase 3</th> <th>Closure</th> </tr> </thead> <tbody> <tr> <td></td> <td>X</td> <td>X</td> <td>X</td> </tr> </tbody> </table>	Phase 1	Phase 2	Phase 3	Closure		X	X	X	
Phase 1	Phase 2	Phase 3	Closure							
	X	X	X							

					place.
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ASPECT	IMPACTS				CUMULATIVE IMPACTS
3. SOIL					
Nature of the impact	Potential of soil contamination.				None.
Extent	Site				Activity causing the impact
Duration	Long				Vehicle/equipment breakages and oil/lubricant /diesel spills may contaminate soil.
Probability	Moderate				
Significance	Moderate				
Phase responsible for the impact	Phase 1	Phase 2	Phase 3	Closure	
		X	X	X	

ASPECT	IMPACTS				CUMULATIVE IMPACTS
3. SOIL					
Nature of the impact	Loss of soil structure				None
Extent	Site				Activity causing the impact
Duration	Long				In the process of removing topsoil the soil layers are mixed and the structure may be disturbed.
Probability	High				
Significance	Moderate				
Phase responsible for the impact	Phase 1	Phase 2	Phase 3	Closure	
		X	X		

ASPECT	IMPACTS				CUMULATIVE IMPACTS
3. SOIL					
Nature of the impact	Loss of soil fertility				None
Extent	Site				Activity causing the impact
Duration	Short				The mixing of soil during site preparation, compaction and potential pollution (spillages form oil etc.) all may cause this situation.
Probability	Definite				
Significance	Low				
Phase responsible for the impact	Phase 1	Phase 2	Phase 3	Closure	
		X	X		

ASPECT	IMPACTS				CUMULATIVE IMPACTS
4. LAND CAPABILITY					
Nature of the impact	<p>Temporary loss of land capability to support grazing. The small area (0.75 ha) where the active prospecting activities occur (trenches, tailings dumps, stock piles, prospecting equipment) etc. will thus be temporary alienated, until the area is rehabilitated.</p> <p>All trenches would be rehabilitated as part of the prospecting process during which trenches are back-filled.</p> <p>If the old areas be re-worked this will make more land available for grazing. The rest of the application area will still be used by the landowner as agricultural land.</p>				
Extent	Site				Activity causing the impact
Duration	Long				Site preparation for additional prospecting sites and the construction, operation of listed infrastructure, the land capability of the active prospecting area will be totally destroyed.
Probability	Definite				
Significance	Moderate				
Phase responsible for the impact	Phase 1	Phase 2	Phase 3	Closure	
		X	X	X	

ASPECT	IMPACTS				CUMULATIVE IMPACTS
5. LAND USE					
Nature of the impact	This is a new prospecting operation and therefore will lose its land use to support grazing on a certain portion of the 103 ha during the next 5 years. If the old areas be re-worked this will make more land available for grazing. Only a small portions of land (0.75 ha at a time) would be affected by the prospecting operation relation to the total prospecting right application area of 103 ha. All trenches would be rehabilitated as part of the prospecting process during which excavations are back-filled.				
Extent	Site				Activity causing the impact
Duration	Long to permanent				Site preparation for prospecting and the construction, operation of listed infrastructure
Probability	Definite				
Significance	Moderate				
Phase responsible for the impact	Phase 1	Phase 2	Phase 3	Closure	
		X	X		

ASPECT	IMPACTS				CUMULATIVE IMPACTS
6. VEGETATION					
Nature of the impact	Vegetation clearance, disturbance and trampling. Destruction of habitats for vegetation. Due to a disturbed ecosystem, bare ground and spreading of exotics can follow.				
Extent	Site				Activity causing the impact
Duration	Long				The site preparation for new sites, construction of listed infrastructure will cause destruction of habitats for vegetation. Due to a disturbed ecosystem, bare ground and invasion of exotics could further spread.
Probability	Definite				
Significance	High				
Phase responsible for the impact	Phase 1	Phase 2	Phase 3	Closure	
		X	X		

ASPECT	IMPACTS				CUMULATIVE IMPACTS
6. VEGETATION					
Nature of the impact	Habitat change, loss of species, spread of alien and invasive species.				
Extent	Site				Activity causing the impact
Duration	Permanent				The change in the current habitat will be mitigated during final rehabilitation.
Probability	High				
Significance	Moderate				
Phase responsible for the impact	Phase 1	Phase 2	Phase 3	Closure	
		X	X		

ASPECT	IMPACTS				CUMULATIVE IMPACTS
6. VEGETATION					
Nature of the impact	Dust coverage of plants.				None
Extent	Site				Activity causing the impact
Duration	Long				Heavy trucks and other vehicles on dirt roads, stockpiling, dumping of tailings are mainly responsible for this impact.
Probability	High				
Significance	Low				
Phase responsible for the impact	Phase 1	Phase 2	Phase 3	Closure	
		X	X		

ASPECT	IMPACTS				CUMULATIVE IMPACTS
7. WILDLIFE					
Nature of the impact	Wildlife or wildlife habitat destruction /change / disturbance.				None
Extent	Site				Activity causing the impact
Duration	Permanent				The flora which normally serves as habitat for animals would be destroyed during site preparation. The increase in activity will temporarily scare other animals. The area will serve as a new habitat after rehabilitation.
Probability	Very High				
Significance	Moderate				
Phase responsible for the impact	Phase 1	Phase 2	Phase 3	Closure	
		X	X		

ASPECT	IMPACTS				CUMULATIVE IMPACTS
7. WILDLIFE					
Nature of the impact	Injury and death to wildlife.				None
Extent	Site				Activity causing the impact
Duration	Short				The movement of vehicles may kill certain insects, rodents and possible birds. Most of the remaining animal life will however move away due to noise.
Probability	Very low				
Significance	Low				
Phase responsible for the impact	Phase 1	Phase 2	Phase 3	Closure	
		X	X		

ASPECT	IMPACTS				CUMULATIVE IMPACTS
7. WILDLIFE					
Nature of the impact	Restoration of habitat.				None
Extent	Site				Activity causing the impact
Duration	Short				As rehabilitation progresses the habitat of certain species will be restored/created (Closure objective) Animals will probably only move back when human movement is limited.
Probability	Low				
Significance	Low				
Phase responsible for the impact	Phase 1	Phase 2	Phase 3	Closure	
		X	X	X	

ASPECT	IMPACTS				CUMULATIVE IMPACTS
8. SURFACE WATER					
Nature of the impact	Increased silt load. Clearing topsoil for footprint areas can increase infiltration rates of water to the groundwater system and decrease buffering capacity of soils to absorb contaminants from spills on surface. This can increase the risk of contamination of the groundwater system (increases aquifer vulnerability).				
Extent	Local				Activity causing the impact
Duration	Short				The clearance of vegetation and the traffic on access roads will all contribute to an increase in the silt load on the prospecting area.
Probability	Moderate				
Significance	Moderate				
Phase responsible for the impact	Phase 1	Phase 2	Phase 3	Closure	
		X	X	X	

ASPECT	IMPACTS				CUMULATIVE IMPACTS
8. SURFACE WATER					
Nature of the impact	Change in surface water quality. Spillages from vehicles and also surface water run-off that is not adequately diverted away from the active prospecting excavations could end-up in the excavations creating problems regarding water quality and hindering the prospecting process. Surface run-off from active prospecting sites (overburden dumps & tailings dam/dump) if not adequately contained on site could end-up in the adjacent undisturbed natural veld. If the natural surface run-off is not adequately diverted in the case of the dry-water course area, prospecting sections it could become silted-up.				
Extent	Local				Activity causing the impact
Duration	Short				"Dirty / Clean" water systems at facilities like the overburden dumps, roads, trenches, etc. may impact on the quality of the surface water. The water should be contained in the surface runoff control measures provided therefore.
Probability	Moderate				
Significance	High				
Phase responsible for the impact	Phase 1	Phase 2	Phase 3	Closure	
		X	X		

ASPECT	IMPACTS	CUMULATIVE IMPACTS
8. SURFACE WATER		
Nature of the impact	Change in surface water quantity: Water management area (10) : The mine falls under the primary drainage region C91 and in quaternary sub-catchment C91A. Notwithstanding the above-mentioned facts, it is not expected that prospecting operations will have any effect on the boundaries or the general water flow of the catchment. Standing water in trenches could as the result of rain/ surface run-off ending up in shallow depressions.	
Extent	Site	Activity causing the impact
Duration	Long	It is an operational objective to contain or divert all surface run-offs from the active prospecting trenches area mainly due to pollution (sediment) potential. This will reduce the run-off quantity, although small in comparison with the drainage
Probability	High	
Significance	High	
Phase responsible for the impact	Phase 1	
	Phase 2	
	Phase 3	
	Closure	
	X	
	X	

ASPECT	IMPACTS	CUMULATIVE IMPACTS
9. GROUND WATER		
Nature of the impact	Reduction of groundwater quality Prospecting activities are not likely to impact on local ground-water quality. No chemicals are used during the prospecting process. Handling of waste and transport of building material can cause various types of spills (domestic waste, pit latrines, hydrocarbons) which can infiltrate and contaminate the groundwater system.	
Extent	Site	Activity causing the impact
Duration	Long	
Probability	Definite	
Significance	High	
Phase responsible for the impact	Phase 1	
	Phase 2	
	Phase 3	
	Closure	
	X	
	X	
	X	

ASPECT	IMPACTS	CUMULATIVE IMPACTS
9. GROUND WATER		
Nature of the impact	Even though abstraction is likely to have a minimal effect on the surrounding groundwater users, this is a new use, and groundwater levels are expected to continue current trends. Groundwater will be abstracted for potable water supply and prospecting processes. The volume of water needed is small (10 000 Lit/hr) in comparison to other water use and will have a small impact on the surrounding aquifer.	
Extent	Site	Activity causing the impact
Duration	Long	Opencast prospecting operation.
Probability	Low	
Significance	High	
Phase responsible for the impact	Phase 1	
	Phase 2	
	Phase 3	
	Closure	
	X	
	X	
	X	

ASPECT	IMPACTS	CUMULATIVE IMPACTS
10. AIR QUALITY		
Nature of the impact	Dust will be generated during the prospecting operation (loading with an excavator on to a dump truck) and transportation to the plant (conveyor, drum screen & washing pans) and on gravel/dirt/farm roads. The processing of the gravel is a wet process and therefore minimum dust is generated.	
Extent	Site	Activity causing the impact
Duration	Long	Initial construction work with regard to infrastructure (roads) that involves earth moving equipment. During the phase 2, dust could be generated as indicated during prospecting.
Probability	Moderate	
Significance	Moderate	
Phase responsible for the impact	Phase 1	
	Phase 2	
	Phase 3	
	Closure	
	X	
	X	
	X	

ASPECT	IMPACTS				CUMULATIVE IMPACTS
11. NOISE					
Nature of the impact	Noise will be generated during the prospecting operation (loading with an excavator on to a dump truck) and transportation to the plant (conveyor, drum screen & washing pans). The mine itself is located in rural landscape. The impact would be of more importance regarding the direct worker environment that should adhere to the requirements in terms of the Mine Health and Safety Act.				
Extent	Local				Activity causing the impact
Duration	Long				Earth moving equipment and vehicles (trucks).
Probability	Definite				
Significance	Moderate				
Phase responsible for the impact	Phase 1	Phase 2	Phase 3	Closure	
		X	X	X	

ASPECT	IMPACTS				CUMULATIVE IMPACTS
12. ARCHAEOLOGICAL AND CULTURAL SITES					
Nature of the impact	The terrain is not archaeologically vulnerable. It is unlikely that the proposed development will result in any significant archaeological impact at the site. No graves were identified on site.				
Extent	Site				Activity causing the impact
Duration	Permanent				
Probability	Definite				
Significance	High				
Phase responsible for the impact	Phase 1	Phase 2	Phase 3	Closure	
		X			

ASPECT	IMPACTS				CUMULATIVE IMPACTS
13. SENSITIVE LANDSCAPE					
Nature of the impact	No sensitive landscapes identified.				
Extent	Not applicable				Activity causing the impact
Duration	Not applicable				
Probability	Not applicable				
Significance	Not applicable				
Phase responsible for the impact	Phase 1	Phase 2	Phase 3	Closure	

ASPECT	IMPACTS				CUMULATIVE IMPACTS
14. VISUAL ASPECTS					
Nature of the impact	Prospecting will only be visible to the neighbours living there. The operation is not visible to from any tourist road.				
Extent	Site				Activity causing the impact
Duration	Long				Diamond prospecting operation.
Probability	Definite				
Significance	Low				
Phase responsible for the impact	Phase 1	Phase 2	Phase 3	Closure	
		X	X	X	

ASPECT	IMPACTS				CUMULATIVE IMPACTS
15. SOCIO ECONOMICS					
Nature of the impact	Increase in Socio – economic activity at local level. The project in itself would ensure that approximately 7 workers would be assured of a job for some time. Job creation plays a major role in increasing the economic wellbeing of employees and their dependants in the Bloemhof district. Once all prospecting operations have ceased it would definitely have a negative impact.				The increase in socio-economic activity will add to the current growth and development in Bloemhof already created by industry and prospecting.
Extent	Local				Activity causing the impact
Duration	Long				Additional employment opportunities created.

Probability	Definite			
Significance	High			
Phase responsible for the impact	Phase 1	Phase 2	Phase 3	Closure
		X	X	X

ASPECT	IMPACTS	CUMULATIVE IMPACTS		
15. SOCIO ECONOMICS				
Nature of the impact	The main impact on the landowners is visual impact and the small area of 0.75 ha that will not be available for agricultural activities at any given time for 5 years.	The economic benefits in terms of investment and the delivery of services in the North West province will get an additional benefit from the project.		
Extent	Regional	Activity causing the impact		
Duration	Very Long			
Probability	High			
Significance	Moderate			
Phase responsible for the impact	Phase 1	Phase 2	Phase 3	Closure
		X	X	X

ASPECT	IMPACTS	CUMULATIVE IMPACTS		
16. INTERESTED & AFFECTED PARTIES				
Nature of the impact	Impact of activities on I&AP's Temporary loss of utilization of the prospecting focus areas for agricultural purposes. The long-term benefits far out-weight the current benefits from the current use. No negative impact is expected that could be appropriately mitigated, such as the eventual rehabilitation of the excavations.			
Extent	Local	Activity causing the impact		
Duration	Long			
Probability	High			
Significance	High			
Phase responsible for the impact	Phase 1	Phase 2	Phase 3	Closure
		X	X	X

vii) The positive and negative impacts that the proposed activity (in terms of the initial site layout) and alternatives will have on the environment and the community that may be affected.

(Provide a discussion in terms of advantages and disadvantages of the initial site layout compared to alternative layout options to accommodate concerns raised by affected parties)

In terms of the EIA regulations, consideration must be given to alternatives. Alternatives are different approaches and ways of meeting the need, purpose and objectives of a proposed activity. Alternatives may include a location site alternative, activity alternatives, processes or technology alternatives, temporal alternatives etc. the no-go alternative or option is also considered, as it provides the baseline against which the impacts or other alternatives may be compared.

However, for this specific project, no alternatives have been investigated, with the exception of the no-go alternative. The reason for this being that the prospecting right is being applied for the sole purpose of prospecting alluvial gravels. The no-go option entails the continuation of the current land use (natural grazing and cultivation) on the study site. The project will contribute towards providing continued jobs for current staff. Should the proposed project therefore not be authorized to proceed, it is anticipated that current employment opportunities will be terminated once the mineral reserves have been depleted.

The no-go option is therefore not a feasible option in this case, as it suggests that the mineral reserves should not be exploited and current employment opportunities should not materialize or be prolonged.

See **Point vi)** for more detail.

viii) The possible mitigation measures that could be applied and the level of risk.

(With regard to the issues and concerns raised by affected parties provide a list of the issues raised and an assessment/ discussion of the mitigations or site layout alternatives available to accommodate or address their concerns, together with an assessment of the impacts or risks associated with the mitigation or alternatives considered).

Refer to the results of consultation contained as **Appendix 2** for the issues that were raised by I&AP's and stakeholders during the review period of the Consultation phase of the Scoping Report, as well as the response to those issues made by the Environmental Assessment Practitioner.

The mitigation measures and technical management action plans which address potential impacts are discussed below.

Environmental Component	Geology
Environmental Management/Mitigation Measures/Action Plans/Commitments	
<ul style="list-style-type: none"> • No mitigation exists except to backfill the excavations with the rock waste material and fine tailings. • As prospecting progressed and the excavation has been back-filled, a certain amount of overburden material and topsoil would be placed on these areas. This will not restore the geology, but will mitigate the impact. • Planned, systematic and thorough prospecting of the mineral resource (alluvial deposits containing diamonds) should take place. • Optimal utilization of the mineral resource should take place within the boundaries of the prospecting terrain. • Strip, remove and store soil and overburden as far as practical in an orderly fashion and replace as far as possible on back-filled areas, in the reverse order once decision have been taken that no further prospecting would take place in a particular section or which might still be traversed by vehicles and disturbed in the process. Cognisance should be taken of the fact that bulk sampling would take place by means of an opencast mining method until such level is reach / cut-off point is reach where rehabilitation could begin. • Care must be taken that the removal of alluvial deposits by means of earthmoving equipment is restricted to what is really necessary to achieve the objective. 	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
Optimal exploration of the mineral resource in order to ensure to facilitate better rehabilitation planning. The overburden and topsoil (where available) must be replaced in a responsible and planned manner in order to achieve some conformity with the surrounding undisturbed area.	

Environmental Component	Topography
Environmental Management/Mitigation Measures/Action Plans/Commitments	
<ul style="list-style-type: none"> • All trenches should be back-filled with waste tailings material and eventually overburden material, covered with a shallow layer of topsoil (if available). • Access to all active bulk sampling excavation areas should be controlled. The active bulk sampling area should be fenced off. The necessary warning signs should be put in place. All prospecting activities should be restricted to the fenced-off area. • Surface run-off control should be put in place at active trenches (preventing water from entering) and also rehabilitated tailings dumps and overburden dumps in order to prevent the loss of growth medium on top of the dumps. <p>Prospecting would be done according to a definite PWP (only disturbing an area that is really necessary). As part of the PWP the handling of tailings material, overburden material, construction of dumps and back-filling of trenches should also form part of it.</p> <p>Rehabilitation of the new topographical landscape in such a way that it would blend in with the surrounding landscape and allow normal surface drainage to continue. As soon as a section of the prospecting site would not be explored anymore it should be rehabilitated (planned and phased manner).</p>	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
Rehabilitation of the new and old disturbances topographical landscape in such a way that it would blend in with the surrounding landscape and allow normal surface drainage to continue. Rehabilitation in such a way that the new landscape features would be stable and would not pose any safety hazard to human and animal anymore.	

Environmental Component	Soil (topsoil & access roads)
Environmental Management/Mitigation Measures/Action Plans/Commitments	
<p>Handling of topsoil as a natural resource: Any future expansion of the trenches or construction of infrastructure should be preceded by the removal of <u>all available topsoil</u>. The surface of any new areas to be disturbed must be kept to a minimum. <u>All available topsoil/overburden material should be removed and stockpiled for rehabilitation purposes.</u></p> <p>Access roads, etc: The clearing of soil surface areas would be restricted to what is really necessary for the construction of infrastructure. Wherever possible all topsoil should be removed and stockpiled for rehabilitation purposes. Overburden material should also be stockpiled separately if practically possible. Topsoil and overburden material should be transported to an area earmarked for rehabilitation.</p>	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
The topsoil removed in the site preparation process should be replaced during the rehabilitation exercise.	

Environmental Component	Soil (soil compaction)
Environmental Management/Mitigation Measures/Action Plans/Commitments	
<p>Soil compaction: The prospecting operation should only be restricted to what is really required (demarcated area of exploitation) within the fenced-off area. Access roads towards the sites would be restricted only to the roads (existing farm roads & roads established in consultation with the surface owner). No land would be disturbed unnecessarily. Prospecting & rehabilitation should be done in a well-planned manner (according to a PWP) and in the process ensuring that activities are only restricted to surface areas really required. Compaction of soil surface areas would be alleviated once rehabilitation of certain area starts. Certain roads would probably remain for access (in consultation with the surface owner). Those that would not be required would be ripped and rehabilitated.</p>	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
Alleviation of compaction of soils would be done during rehabilitation of the prospecting terrain, including roads.	

Environmental Component	Soil (Soil erosion)
Environmental Management/Mitigation Measures/Action Plans/Commitments	
<p>Soil Erosion: To take preventive steps against land disturbance like erosion. Implement and maintain cut-off trenches/berms to prevent erosion. Re-vegetation of exposed soil surfaces (man-made surfaces on tailings dumps, overburden dumps, disturb surfaces in excavated sites, roads, etc) should happen as soon as a particular activity has ceased in order to act as a sufficient erosion prevention measure.</p>	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
No soil erosion must be visible and no potential for soil erosion must be present at closure.	

Environmental Component	Soil (Soil contamination)
Environmental Management/Mitigation Measures/Action Plans/Commitments	
<p>Potential for soil contamination: Vehicles to be inspected to ensure no oil and hydraulic fluid leaks occur. All oil spills on soil to be removed and bio-remediate immediately (certain commercial products are available such as Terrasorb or it could be rehabilitated by means of the application of fertilizer and turn with a spade from time to time in order to enhance the natural occurring soil microbial activity). No servicing of vehicles must occur except on a concrete floor or over PVC lined area in an area allocated for that. Training w.r.t pollution hazards and their impact on the environment must be given as part of induction training. An incidence register for this purpose must be kept. Drip trays must be available and used where emergency repairs is done.</p>	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
No soil contamination must be visible or known before closure can be given.	

Environmental Component	Soil (Soil structure)
Environmental Management/Mitigation Measures/Action Plans/Commitments	
<p>Change in Soil structure: Ensure that all available (if any) topsoil is carefully removed in different areas. The soil must also be compacted as backfilling is done. No unnecessary driving outside the active prospecting area is allowed due to soil compaction that may occur. Use organic material e.g. manure to restore the soil structure during rehabilitation. Ensure that the rehabilitation plan makes provision for ripping of roads and spreading of organic material and that this is used during rehabilitation.</p>	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
No compaction of any roads or any other area must be present during closure. If the soil structure is disturbed mitigation measures e.g. the use of organic material, lime and fertilizers must be implemented to restore the soil structure.	

Environmental Component	Soil (Soil fertility)
Environmental Management/Mitigation Measures/Action Plans/Commitments	
<p>Soil fertility: Little can be done to preserve the moisture status of the soil once it is exposed. The soil must be used for rehabilitation as quickly as possible. The soil on the rehabilitated area must be analysed to determine the deficiencies and fertilizer and lime must be ploughed into the soil to restore its fertility, if necessary. Ensure that stockpiled soil is kept clean and where possible ensure that the topsoil is treated with organic material and fertilized. Do not use stockpiled soil for any other purpose but for rehabilitation. Do not use topsoil to construct roads. Ensure the rehabilitation plan makes provision for fertiliser. Make sure rehabilitated topsoil is analyzed in a laboratory. The type of fertilizer would depend on a soil analyses and fertilizer recommendation.</p>	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
The soil must be fertile enough to sustain vegetation.	

Environmental Component	Land Capability
Environmental Management/Mitigation Measures/Action Plans/Commitments	
<p>The disturbance of land must be restricted (kept to a minimum) to the planned fenced-off, active prospecting site only. Remove topsoil where it is available. Take care that roads needed are restricted to one entry to the area for prospecting purposes. If new land is used for roads to enter the area it must be done in consultation with the surface owner.</p> <p>All rehabilitation will be done according to the final rehabilitation plans after approval by the Department of Mineral Resources (DMR). Topsoil will be placed in areas where it was removed and the areas will be re-vegetated accordingly. Ensure that the rehabilitation plan is implemented.</p>	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
Rehabilitated to the state that it is suitable for the predetermined and agreed land capability.	

Environmental Component	Land Use
Environmental Management/Mitigation Measures/Action Plans/Commitments	
<p>The disturbance of land must be restricted (kept to a minimum) to the planned active, fenced-off prospecting site only. Remove topsoil where it is available.</p> <p>Take care that roads are the only areas used to enter the area for prospecting purposes. If new land is used for roads to enter the area it must be done in consultation with surface owner.</p> <p>All rehabilitation will be done according to the final rehabilitation plans after approval by the Department of Mineral Resources (DMR). Topsoil will be placed in areas where it was removed and the areas will be re-vegetated accordingly. Ensure that the rehabilitation plan is implemented.</p>	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
The opencast section requires the land to be totally disturbed. The replacement of tailings material, overburden and topsoil would ensure that the land is able to support some grazing.	

Environmental Component	Vegetation
Environmental Management/Mitigation Measures/Action Plans/Commitments	
<p>No mitigation exists except to replace the vegetation by reseeded of grasses and natural growth.</p> <p>Prospecting should be done in a well-planned manner (according to a PWP) and in the process ensuring that activities are only restricted to surface areas really required.</p>	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
During rehabilitation indigenous vegetation cover comprising of local plant species should be established in order to ensure a well-adapted sustainable plant cover that would be able to prevent erosion of the replaced topsoil on the disturbed prospecting site exposed surfaces, tailings dumps, etc.).	

Environmental Component	Vegetation
Environmental Management/Mitigation Measures/Action Plans/Commitments	
<p>Habitat change, loss of species, spread of alien and invasive species:</p> <p>No mitigation exists except to replace the vegetation by reseeded of grasses.</p> <p>Prospecting should be done in a well-planned manner (according to a PWP) and in the process ensuring that activities are only restricted to surface areas really required.</p> <p>Develop and implement an invasive and alien control programme to control the spread of weeds and other invasive species.</p> <p>Eradicate exotic weeds and invader species if it invades the terrain. All illegal invader plants and weeds shall be eradicated as required in terms of Regulation 15 & 16 of the Act on Conservation of Agricultural Resources, 1983 (Act no. 43 of 1983) which list the plants.</p> <p>An invasive and alien control programme must be implemented by the mine.</p>	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	

No invasive and alien species must be present after closure. A post-closure control program must also be implemented.

Environmental Component	Vegetation
Environmental Management/Mitigation Measures/Action Plans/Commitments	
Ensure that all roads on the prospecting site (utilized by prospecting vehicles) are daily sprayed with water to control dust. Site inspections to ensure the spraying are done.	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
No excessive dust must be present during the normal growth season after closure.	
Environmental Component	Wildlife (habitat)
Environmental Management/Mitigation Measures/Action Plans/Commitments	
Wildlife or wildlife habitat destruction /change / disturbance : To take care that no new or unnecessary destruction of habitats, other than the demarcated prospecting site should take place. Restoration of habitat: Ensure the rehabilitation plan is implemented.	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
The animal life habitat must be restored after decommissioning. Success will be measured against the extent to which the animals return to the area.	

Environmental Component	Wildlife (Injury and death)
Environmental Management/Mitigation Measures/Action Plans/Commitments	
Injury and death to wildlife: Re-establish trees and grass cover as soon as possible during and after prospecting. Fence area off to ensure that no person can enter without permission. Ensure that the rehabilitation plan is compiled and executed. Keep incidence register on killings and disturbances.	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
The animal life habitat must be restored after decommissioning. Success will be measured against the extent to which the animals return to the area.	

Environmental Component	Wildlife
Environmental Management/Mitigation Measures/Action Plans/Commitments	
Make game catching, traps, snares, poaching and any other unnecessary disturbance of animals a disciplinary offence. All staff must undergo basic environmental awareness lecture during induction training. Machine operators and drivers to undergo appropriate level of environmental impact training to ensure they understand their impact on the environment. Ensure all staff working on the opencast section undergo basic lecture during induction phase. Introduce the actions as listed above into disciplinary code as offence.	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
The post-closure phase must be suitable for further restoration of the newly man-made animal habitat. The area must be stable and acceptable for the return of animal- and plant life.	

Environmental Component	Surface Water (quality)
Environmental Management/Mitigation Measures/Action Plans/Commitments	
<p>Change in surface water quality: Storm water control measures must be implemented to divert clean water away from the active prospecting site and keep contaminated water contained. Water control structures must be well designed and constructed to ensure a minimum down wash of topsoil. Vegetation disturbance must be as little as possible. The PWP must be strictly adhered to. Re-vegetation to be done as quickly as possible. Final re-vegetation to be done as per rehabilitation plan.</p>	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
The post closure water run-off may in no circumstance impact negatively on the water quality.	

Environmental Component	Surface Water (quantity)
Environmental Management/Mitigation Measures/Action Plans/Commitments	
<p>Change in surface water quantity: Once the area is rehabilitated the surface run-off will be restored and normal clean water run-off will end-up in the drainage system. Once the area is rehabilitated the normal surface run-off drainage will be restored according to rehabilitation plan. The disturbed surface area must be rehabilitated to ensure some normal drainage. Minimal run-off should end-up in trenches. Final rehabilitation will be done according to the final rehabilitation plans after approval by the Department of Mineral Resources.</p>	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
Ultimately rehabilitation of the disturbed prospecting site and the construction of run-off control structures in a planned and phased manner would ensure normal drainage and stability of rehabilitated site.	

Environmental Component	Ground Water (quality)
Environmental Management/Mitigation Measures/Action Plans/Commitments	
<p>Reduction of groundwater quality: Storm water control measures must be implemented to divert clean water away from the site and keep (silt) contaminated water contained. Vehicles to be inspected to ensure no oil and hydraulic fluid leaks occur. All oil spills on soil to be removed and bio-remediate immediately. No servicing of vehicles must occur except at the workshops. Training w.r.t pollution hazards and their impact on the environment must be given as part of induction training. Storage of fuel and oil should be done according to best practices, within a bunded area and in containers of which the integrity is sound. The prospecting processes will not introduce any harmful or toxic substances and the most likely sources of pollution to the groundwater system would be associated with the infrastructure and / or workshop area. The most likely contaminants is therefore nitrate and bacteria (from sewage / pit latrines), as well as hydrocarbons (from vehicle accidents, diesel storage and the workshop area). An incidence register for this purpose must be kept. Drip trays must be available and used where emergency repairs is done. All waste must be stored according to best practices and disposed at an authorized waste disposal facility.</p>	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
Post water quality need to indicate a positive trend/improvement.	

Environmental Component	Ground Water (quantity)
Environmental Management/Mitigation Measures/Action Plans/Commitments	
<p>Reduction of groundwater quantity, lowering of groundwater level: Water levels in the boreholes that are used for prospecting activities should be recorded monthly. Water volumes should be recorded continuously to ensure compliance with the water use authorization for abstraction.</p>	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	

Closure Objective

Post water quality need to indicate a positive trend/improvement.

Environmental Component	Air Quality
Environmental Management/Mitigation Measures/Action Plans/Commitments	
<p>Dust: The prospecting method will serve as mitigation measure because prospecting will limit dust to the active prospecting area (area where the excavator and the trucks are operating). Daily spraying of roads with water. Inspection should be done on a daily basis. If new roads are constructed, in coordination with surface owner, dust pollution must be mitigated by means of spraying the roads with water.</p>	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
Dust count must be the same as before prospecting. Rehabilitation of the bulk sampling site would ensure that no dust is generated from exposed surfaces.	

Environmental Component	Noise
Environmental Management/Mitigation Measures/Action Plans/Commitments	
<p>Ensure the required silencers are placed on all engines and compressors. No mitigation to reverse hooters is allowed due to safety standards. Inspection of vehicles and machinery to ensure silencers are fitted. Ensure that a complaints register is created, managed and maintained. Vehicles and earthmoving equipment should be equipped with the necessary silencers and regularly maintained in a good working condition.</p>	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
No noise attributed to prospecting will be generated from the site after closure anymore. During decommissioning and closure phase some earth moving equipment and trucks would be utilized for rehabilitation.	

Environmental Component	Archaeological and Cultural Sites
Environmental Management/Mitigation Measures/Action Plans/Commitments	
<p>No graves on site. However, the potential occurrence of unmarked graves or subsurface finds not recorded during this survey can never be excluded, so it is advised that SAHRA and a qualified archaeologist are informed immediately if archaeological objects are uncovered.</p>	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
No site of archaeological importance should be disturbed or damaged until the necessary permit from SAHRA has been issued.	

Environmental Component	Sensitive Landscapes
Environmental Management/Mitigation Measures/Action Plans/Commitments	
None	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	

Environmental Component	Visual Aspects
Environmental Management/Mitigation Measures/Action Plans/Commitments	
Visual impact would be addressed by means of; * re-vegetation of disturbed areas with grasses; * removal of any temporary building, scrap, domestic waste, etc. that would otherwise contribute to a negative visual impact. Concurrent rehabilitation should be done simultaneously as prospecting activities progress.	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
No residual visual impacts will remain after closure. The terrain should blend in with the surrounding landscape.	

Environmental Component	Socio-Economics
Environmental Management/Mitigation Measures/Action Plans/Commitments	
There will be a very small increase in Socio – economic activity at local level, because of the size of this prospecting activity.	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
The economic development must deliver a multiplier effect that will contribute to the local economy long after closure.	

Environmental Component	Interested and Affected Parties
Environmental Management/Mitigation Measures/Action Plans/Commitments	
Access control should always be a priority. Active prospecting site should be fenced off and also any deep water holes. If any problem should arise, meetings will be held with the landowners and affected parties to consult them on certain matters like permission to prospect and pollution. No prospecting should be conducted under or near Eskom power line (10 m distance should be kept) (<i>Permission of Inspector of Mines should be obtained.</i>)	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
Not to be an economic, social or environmental liability to the local community or the state now or in the future. The company will ensure that the interest of all interested and affected parties will be considered.	

ix) The outcome of the site selection Matrix. Final Site Layout Plan

(Provide a final site layout plan as informed by the process of consultation with interested and affected parties)

Please see **Appendix 1** for more detail.

x) Motivation where no alternative sites were considered.

Alternative is not applicable. The current land use is agricultural and is being utilized as natural grazing by the landowner. The option to explore the possibility for mining is already in itself an alternative land use. The applicant, Rotizone (Pty) Ltd, is not interested in any other alternative land use over this land aside of diamonds exploration, or any other activity, or method use other than prospecting for diamonds in the conventional way, which is the most cost effective.

Please note that no additional infrastructure will be established, and therefore no alternatives for the location of infrastructure were identified.

xi) Statement motivating the preferred site.(Provide a statement motivating the final site layout that is proposed)

The farm area applied for is believed has prospects for mineral (diamonds) exploration on the applied Portion 9 of the farm Panfontein 270 HO. The applicant is only interested in this portion. The specific site location for the test pits and bulk sampling can only be determined after the geological surveying's which will shows which area has potential to have alluvial gravel. When the location of the test pits area determined, the following process will be followed in order to confirm the preferred site. The prospecting operation will not be a static operation, the mobile plant will move as prospecting progress, thus the whole application is to determine a potential site for when the mining phase is reached. The feasibility of mining the diamond material from an environmental, social and economic perspective also plays a role.

(i) Plan of study for the Environmental Impact Assessment process**i Description of alternatives to be considered including the option of not going ahead with the activity**

Alternative is not applicable. For this specific project, no alternatives have been investigated. The activities included in this application are determined by the location of the mineral reserves in the study area, and the proposed prospecting method to be employed as was assessed. The current land use is agricultural and is being utilized as natural grazing and cultivation at present by the landowner.

The option to explore the possibility for mining is already in itself an alternative land use. The applicant, Rotizone (Pty) Ltd, is not interested in any other alternative land use over this land aside of diamonds exploration, or any other activity, or method use other than prospecting for diamonds in the conversional way, which is the most cost effective.

The No-Go option entails the continuation the current land use (natural grazing and cultivation) on the application area without exploiting the mineral reserves. The prospecting activities will contribute towards the achievement of providing employment opportunities for members of the surrounding communities, thus aiding socio-economic development. Should the project therefore not be authorized to proceed, the current employment opportunities will be terminated. Therefore, the No-Go alternative is not a feasible option in this case, as it suggests that the mineral reserves should not be exploited and current employment opportunities should not be prolonged.

Alternative is not applicable for the application area. The current land use is agricultural and is being utilized as natural grazing by the landowner.

ii. Description of the aspects to be assessed as part of the environmental impact assessment process

(The EAP must undertake to assess the aspects affected by each individual mining activity whether listed or not, including activities such as blasting, Loading, hauling and transport, and mining activities such as Excavations, stockpiles, discard dumps or dams, water supply dams and boreholes, accommodation, offices, ablution, stores, workshops, processing plant, storm water control, berms, roads, pipelines, power lines, conveyors, etc...etc...etc.)

The aspects that will be assessed as part of the proposed project and its area include:

- Geology
- Soil Erosion
- Rehabilitation of previously disturbed areas
- Fauna [Wildlife/Wildlife habitat destruction]
- Changes is surface water quality
- Dust
- Noise
- Archaeological/Cultural Sites

Geology:

Alluvial and kimberlite deposits will be destroyed during the opencast prospecting operation. During operation which will be for the next 5 years, the mineral resource (Diamond (Alluvial), Diamond (kimberlite)) will be extracted from alluvial deposits. Waste rock material/overburden material is disposed off/backfilled in existing excavations as part of the backfilling process.

Soil erosion:

Due to the fact that certain surface areas would become compacted and this would lead to lesser infiltration of rainwater and more run-off that could cause erosion on bare disturbed surfaces. Erosion would always be possible until such time a vegetation cover is provided during rehabilitation phase.

Temporary loss of land capability to support grazing. The small area (0.75 ha) where the active prospecting activities occur (trenches, tailings dumps, stock piles, prospecting equipment) etc. will thus be temporary alienated, until the area is rehabilitated.

All trenches would be rehabilitated as part of the prospecting process during which trenches are back-filled. The rest of the application area will still be used by the landowner as agricultural land.

Rehabilitation:

The rehabilitation of the historically disturbed areas will have a positive impact on land use. This is a new prospecting operation and therefore will lose its land use to support grazing on a certain portion of the 103 ha during the next 5 years. Only a small portions of land (0.75 ha at a time) would be affected by the prospecting operation relation to the total prospecting right application area of 103 ha. All trenches would be rehabilitated as part of the prospecting process during which excavations are back-filled.

Wildlife or wildlife habitat destruction/change / disturbance:

Increase silt load. Clearing topsoil for footprint areas can increase infiltration rates of water to the groundwater system and decrease buffering capacity of soils to absorb contaminants from spills on surface. This can increase the risk of contamination of the groundwater system (increases aquifer vulnerability).

Change in surface water quality:

Spillages from vehicles and also surface water run-off that is not adequately diverted away from the active prospecting excavations could end-up in the excavations creating problems regarding water quality and hindering the prospecting process.

Surface run-off from active prospecting sites (overburden dumps & tailings dam/dump) if not adequately contained on site could end-up in the adjacent undisturbed natural veld.

If the natural surface run-off is not adequately diverted in the case of the dry-water course area, prospecting sections it could become silted-up.

Dust:

Dust will be generated during the prospecting operation (loading with an excavator on to a dump truck) and transportation to the plant (conveyor, drum screen & washing pans) and on gravel/dirt/farm roads. The processing of the gravel is a wet process and therefore minimum dust is generated.

Noise:

Dust will be generated during the prospecting operation (loading with an excavator on to a dump truck) and transportation to the plant (conveyor, drum screen & washing pans).

The mine itself is located in rural landscape. The impact would be of more importance regarding the direct worker environment that should adhere to the requirements in terms of the Mine Health and Safety Act.

Archaeological/Cultural Sites:

The terrain is not archaeologically vulnerable. It is unlikely that the proposed development will result in any significant archaeological impact at the site. No graves were identified on site.

- iii. **Description of aspects to be assessed by specialists**
As this is only a prospecting application and no sensitive areas or heritage areas of significance were noted on the application area there will be no specialist studies. All impacts noted will be mitigated.
- iv. **Proposed method of assessing the environmental aspects including the proposed method of assessing alternatives**
A thorough foot survey and site inspection was done by the EAP and further visit will be done before compiling the EIA. Each aspect was then assessed individually with the 21 year experience of the EAP.
- v. **The proposed method of assessing duration significance**
The assessing of the duration is done on hand of the different phases as described in the Prospecting Works Program (PWP) which is also described under **Point ii) h)**. The significance is assessed from experience and from the actual situation on the specific site. Please see **Point vi)** for detail.
- vi. **The stages at which the competent authority will be consulted**
Consultation with all competent authorities will be done. The Scoping Report will be sent to them from the office of the EAP.
- vii. **Particulars of the public participation process with regard to the Impact Assessment process that will be conducted**
1. **Steps to be taken to notify interested and affected parties.**
(These steps must include the steps that will be taken to ensure consultation with the affected parties identified in (h) (ii) herein).
The landowner, as well as the competent authorities will be consulted. Please see **Table 3** for more detail on public participation process.
 2. **Details of the engagement process to be followed.**
(Describe the process to be undertaken to consult interested and affected parties including public meetings and one on one consultation. NB the affected parties must be specifically consulted regardless of whether or not they attended public meetings and records of such consultation will be required in the EIA at a later stage).
See Table 3.
 3. **Description of the information to be provided to Interested and Affected Parties.**
(Information to be provided must include the initial site plan and sufficient detail of the intended operation and the typical impacts of each activity, to enable them to assess what impact the activities will have on them or on the use of their land).
See Table 3.
- viii. **Description of the tasks that will be undertaken during the environmental impact assessment process**
Site inspection by foot survey, discussions with applicant and landowner as well as discussions with competent authorities where necessary. Completion of the EIA template.
- ix. **Measures to avoid, reverse, mitigate, or manage identified impacts and to determine the extent of the residual risks that need to be managed and monitored.**
This will be kept in mind with the site inspection where each impact will again be evaluated and the mitigation

and management thereof will be confirmed on site. The risk of each impact will be evaluated and if any residual risks the management thereof.

i) Other Information required by the competent Authority

i) Compliance with the provisions of sections 24(4)(a) and (b) read with section 24 (3) (a) and (7) of the National Environmental Management Act (Act 107 of 1998). The EIA report must include the:-

(1) Impact on the socio-economic conditions of any directly affected person.

(Provide the results of investigation, assessment, and evaluation of the impact of the mining, bulk sampling or alluvial diamond prospecting on any directly affected person including the landowner, lawful occupier, or, where applicable, potential beneficiaries of any land restitution claim, attach the investigation report as Appendix 2.19.1 and confirm that the applicable mitigation is reflected in 2.5.3, 2.11.5 and 2.12.1e)

The bulk sampling was thoroughly discussed with the landowner and as long as the main focus area will be on the grazing area the socio impact on the landowner will be minimal. The landowner only request that the disturbed areas be rehabilitated back to grazing potential.

(2) Impact on any national estate referred to in section 3(2) of the National Heritage Resources Act.

(Provide the results of investigation, assessment, and evaluation of the impact of the mining, bulk sampling or alluvial diamond prospecting on any national estate referred to in section 3(2) of the National Heritage Resources Act, 1999 (Act No. 25 of 1999) with the exception of the national estate contemplated in section 3(2)(vi) and (vii) of that Act, attach the investigation report as Appendix 2.19.2 and confirm that the applicable mitigation is reflected in 2.5.3, 2.11.6 and 2.12.1e)

No Graveyards.

j) Other matters required in terms of sections 24(4)(a) and (b) of the Act.

(The EAP managing the application must provide the competent authority with detailed, written proof of an investigation as required by section 24(4)(b)(i) of the Act and motivation if no reasonable or feasible alternatives, as contemplated in sub-regulation 22(7)(h), exist. The EAP must attach such motivation as Appendix 2)

There are no alternatives, as the application area applied for is the area where applicant believes is potential for alluvial gravel deposits.

k) UNDERTAKING REGARDING CORRECTNESS OF INFORMATION

I herewith undertake that the information provided in the foregoing report is correct, and that the comments and inputs from stakeholders and Interested and Affected parties have been correctly recorded in the report.



D E Erasmus

Signature of the EAP

DATE: 12/01/2018

-END-

APPENDIX 1 (a)

LOCALITY MAP

Co-ordinate:

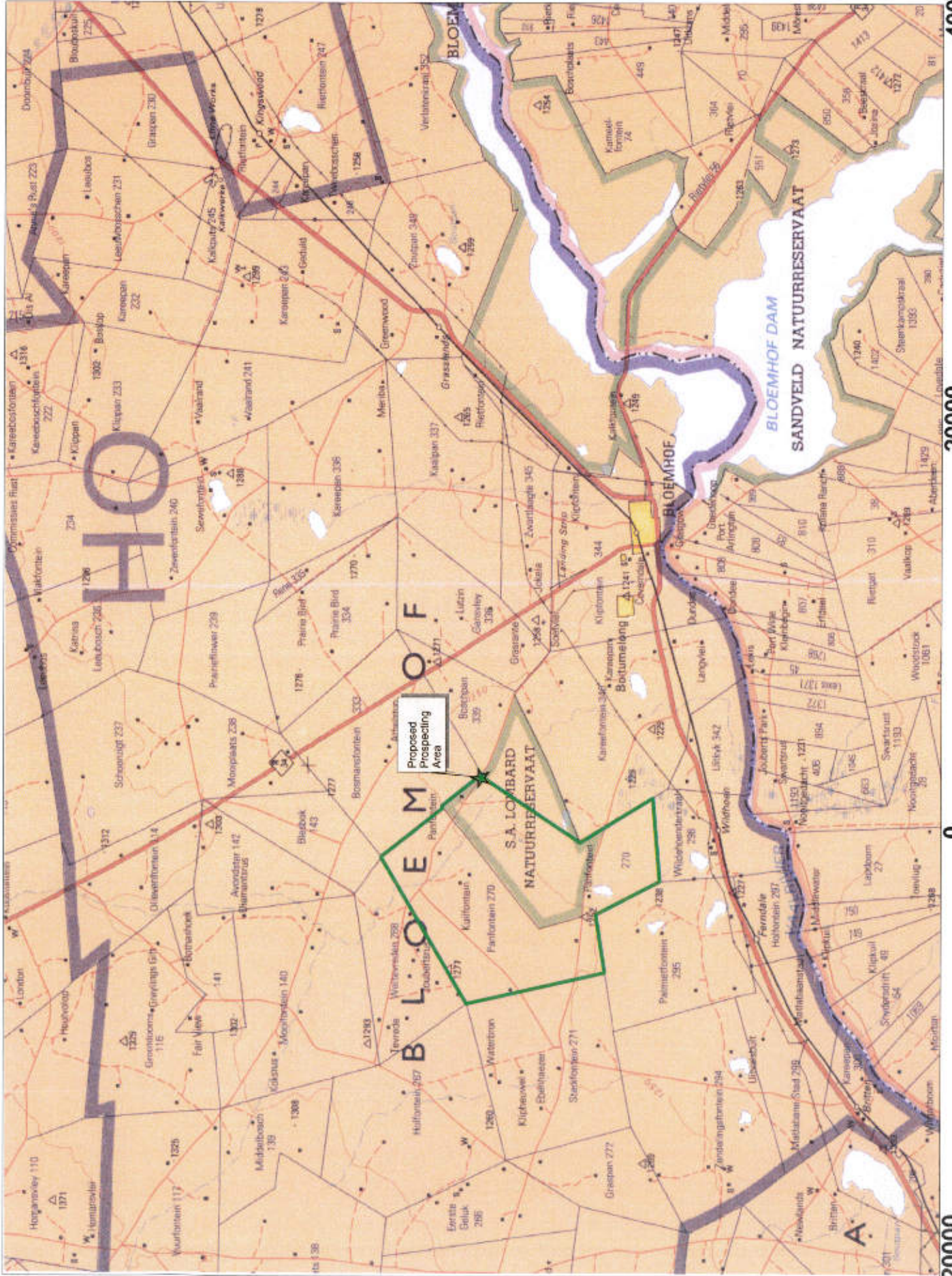
WGS 84/WGS 84



View 1: 1:250000

Legend:

- Proposed Prospecting Area
- Tar Roads
- Canal
- Secondary roads
- Houses/Farm yards/ Small holdings
- Mining areas



2000

0

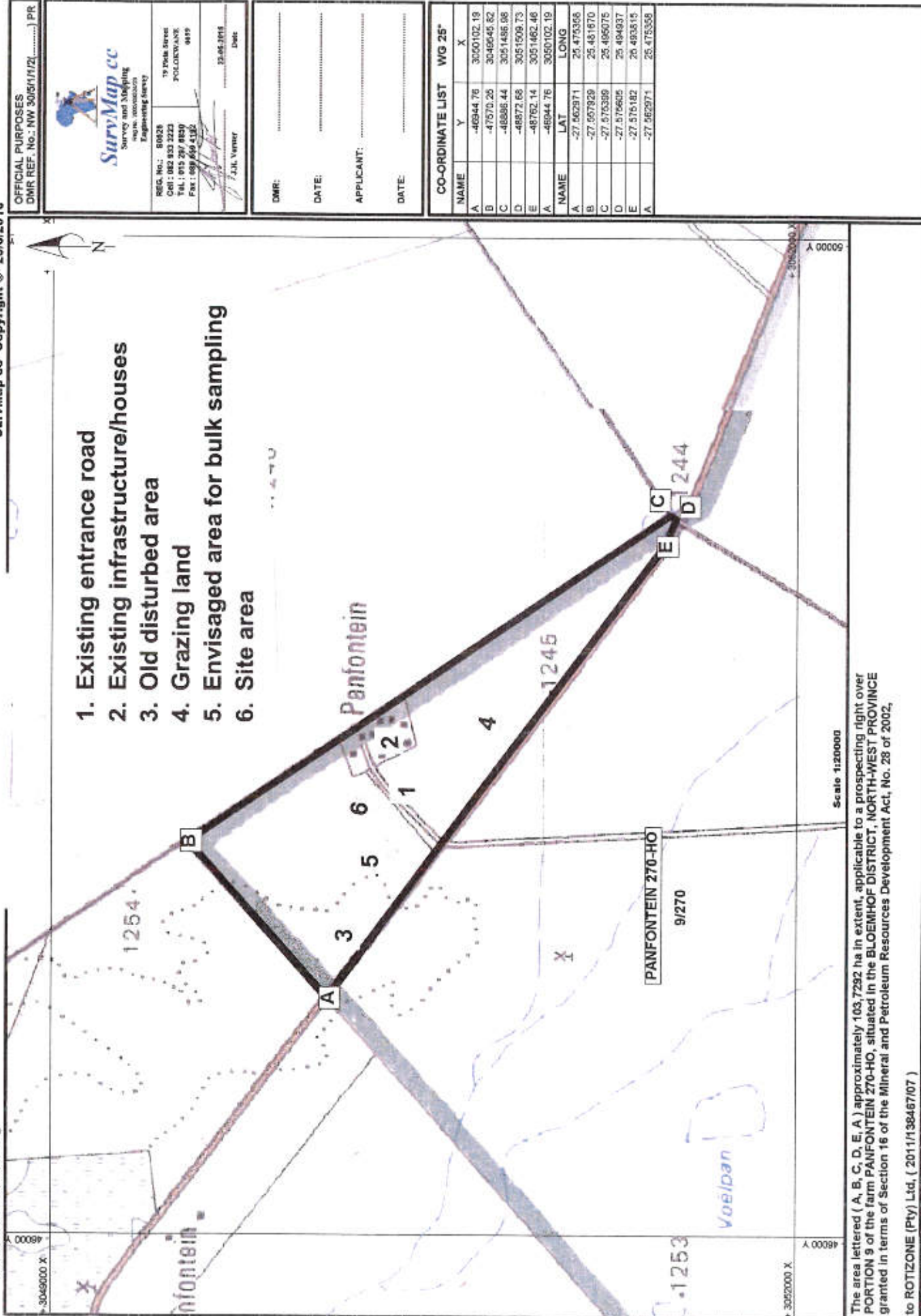
2000

4000 Meters

ENVISAGED LAYOUT PLAN

PLAN No. 20182016-06-23 2

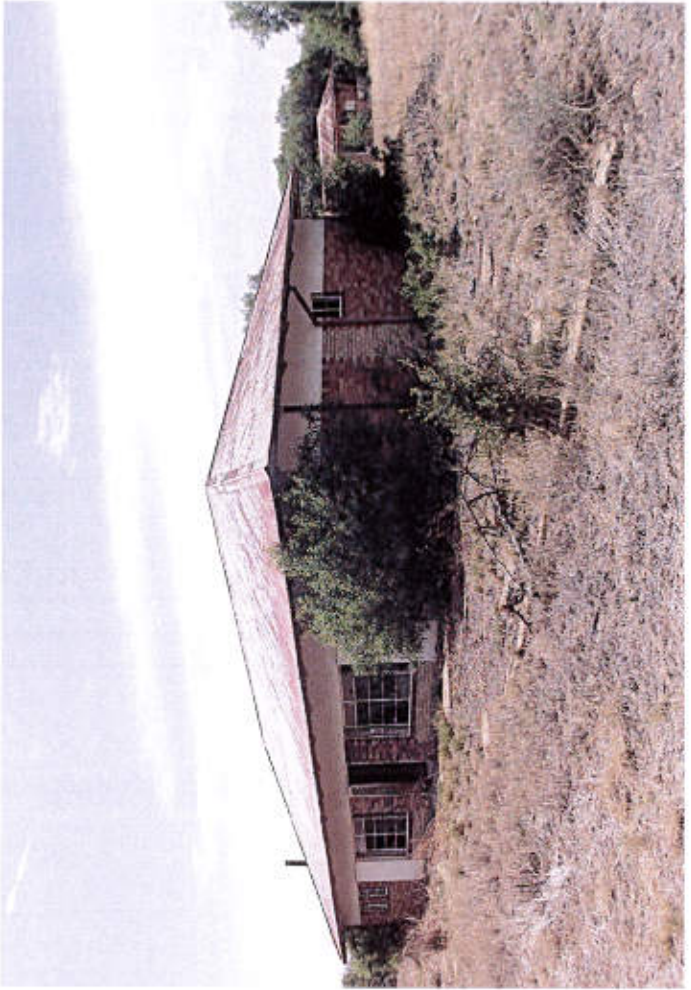
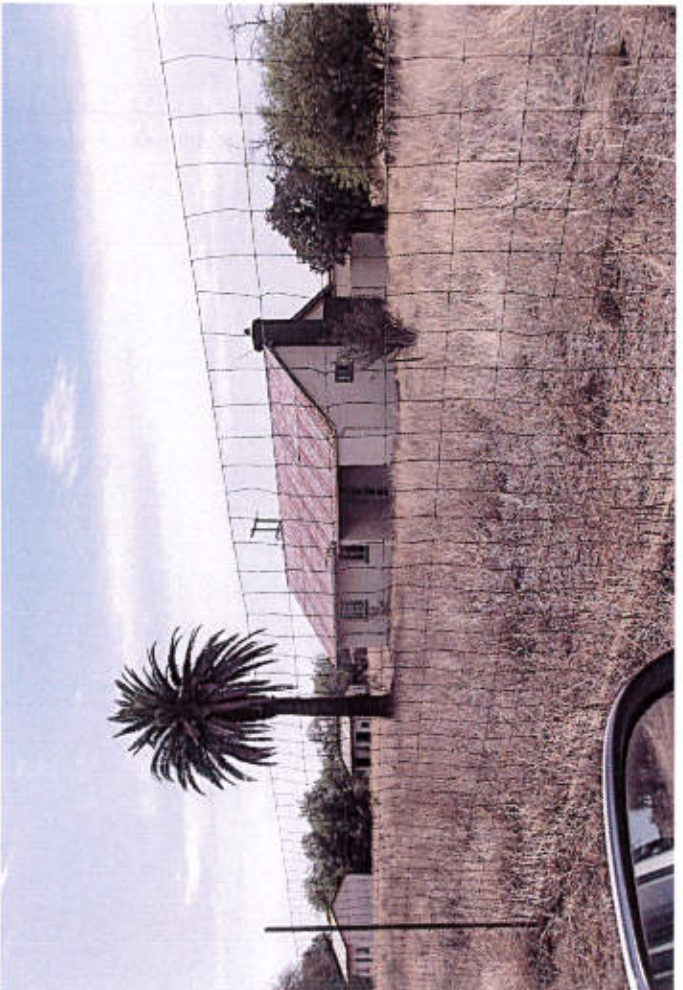
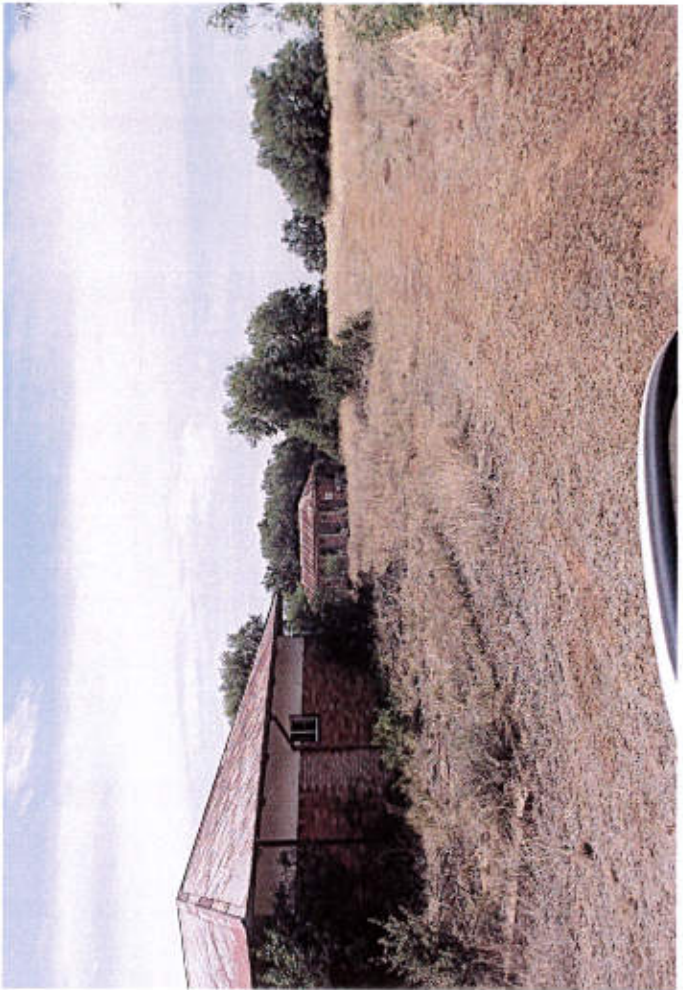
SurryMap cc Copyright © 23/06/2016

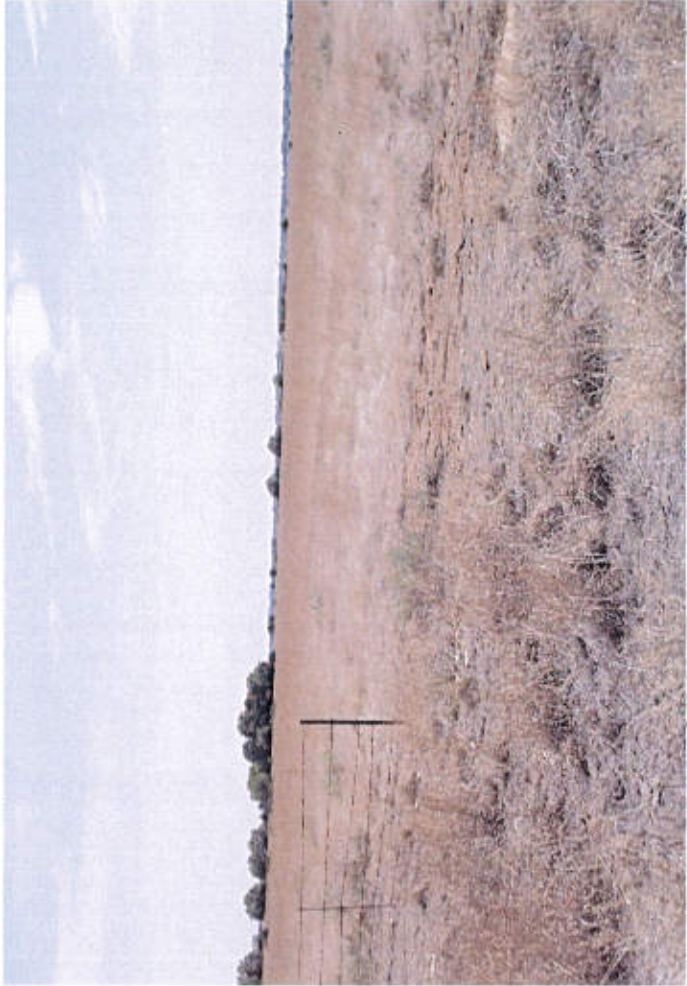
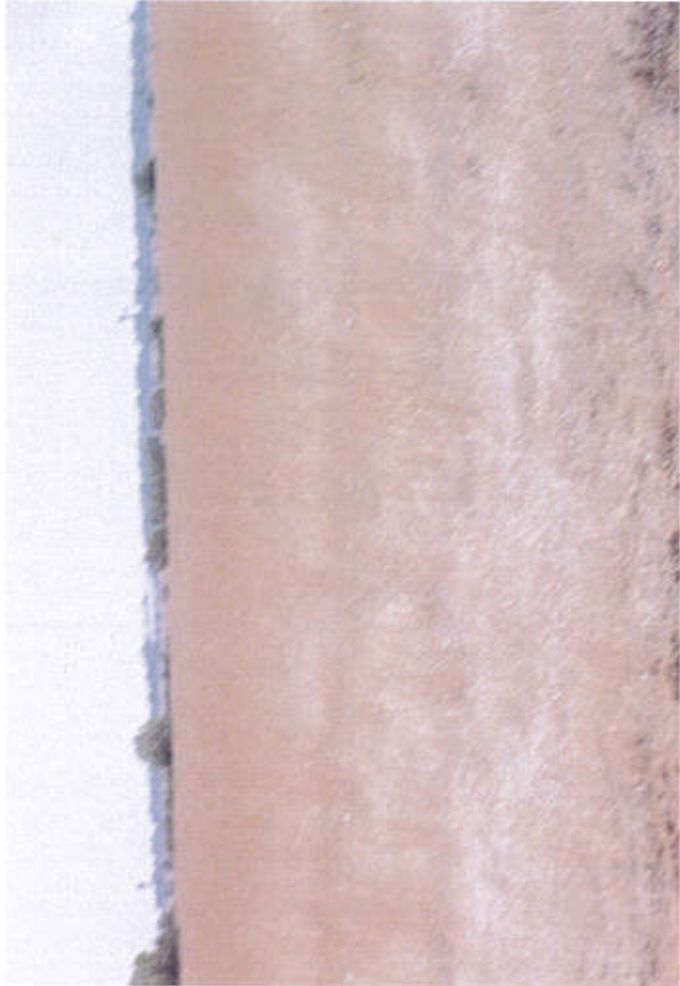


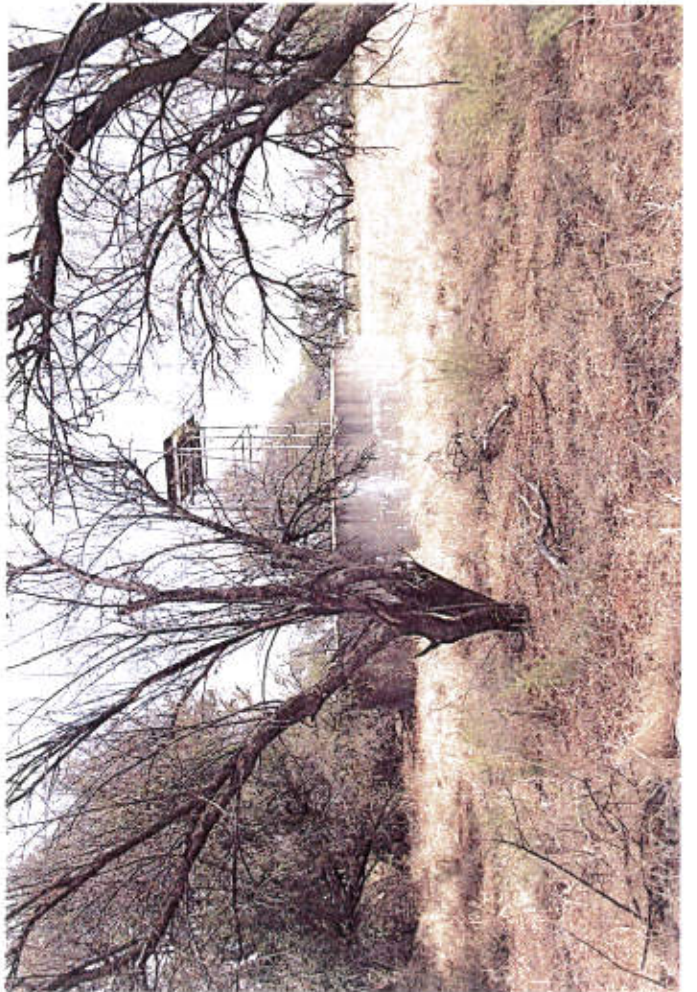
The area lettered (A, B, C, D, E, A) approximately 103,7292 ha in extent, applicable to a prospecting right over PORTION 9 of the farm PANFONTEIN 270-HO, situated in the BLOEMHOF DISTRICT, NORTH-WEST PROVINCE granted in terms of Section 16 of the Mineral and Petroleum Resources Development Act, No. 28 of 2002, to ROTIZONE (Pty) Ltd, (2011/138487/07)

Rotizone











SITE NOTICE

APPLICATION FOR AN ENVIRONMENTAL AUTHORIZATION FOR THE PROPOSED ACTIVITIES.

Notice is given for the following application:

- 1) Environmental authorization application for prospecting.
- **Proponent:** The applicant is Rubicon (Pty) Ltd.
- **Ref. no:** EW/2015/11/21/228594
- **Property description:** The proposed prospecting area is over a portion of Portion 9 of the farm Trosbos 270 140, in the magisterial district of Bloemfontein. The total extent of the prospecting area is 193,728 hectares, 121,502 digital cobs. T04-000700020027000007.
- **Location:** The property is situated 235 km north of Bloemfontein.
- **Project description:** The purpose of the application is to obtain the required authorisation for the prospecting activities in the area.
- **Activity applied for:** the following activities as listed in terms of NEMA (Act No. 107 of 1998): as amended and EIA Regulations. 2014 was applied for under Listing Notice 2 – GMR 235 of 2014, Activity 13, Listing Notice 1 – GMR 337 of 2014, Activity 25 & Listing Notice 1 – GMR 337 of 2014.
- **Minerals applied for:** Diamonds, Aluvial & Diamonds in Kimberley
- **Data submitted:** 13 December 2017
- **Stakeholder involvement:** Stakeholders are invited to register as interested and affected parties and to participate in the application process by identifying issues of concern and suggestions for consideration. The Environmental and Social Impact Assessment (ESIA) Report and the Environmental Authorisation Conditions for the further information regarding the project. Please submit your written comments by mail, fax or e-mail in the 30 day of the notice to:

M. Dant Erasmus of DERA, Environmental Consultants
PO Box 6099
Eloffia Street 508 3040
Ficksburg
2372
Cell: 015 468 4013
Fax: 015 468 4015
Cell: 963 895 3016

• **Date of advertisement:** Wednesday 17 January 2018.



APPENDIX 2 – RESULTS OF CONSULTATION WITH I& AP'S

Interested and Affected Parties <small>List the names of persons consulted in this column, and Mark with an 'X' where those who must be consulted were in fact consulted.</small>	Date sent and/or Comments Received	Issues raised	EAP's response to the applicant
AFFECTED PARTIES			
Landowner/s			
Public Works (Landowner)	13 Dec 2017 11 Jan 2018	Still in process	
Lawful occupier/s of the land			
North West Parks Board Phuti Mahloko Tel: 018 397 1500 Cell: 081 362 6401 e-mail: pmahloko@nwpb.org.za	29 Jan 2018	Registered as interested and affected party.	
Landowners or lawful occupiers on adjacent properties			
Municipal councillor			
Municipality			
Lekwa Teemane Local Municipality Phakiso Leshage fax: 053 441 3735	13 Dec 2017 11 Jan 2018	Fax sent – no response	
Organs of state (Responsible for infrastructure that may be affected Roads Department, Eskom, Telkom, DWA.			
Eskom			
Communities			
Dept. Land Affairs			
Mr. KeatbesweMothupi, Office of the Regional Land Claims Commissioner, N W Province: Private Bag X08, Mmabatho, 2735; Fax: 018 389 9641	11 Jan 2018	E-mail sent	Acknowledgement received 12 Jan 2018
Traditional Leaders			
N/A			
Dept. Rural, Environment and Agricultural Development			
Ouma Skosana Agricentre Building, Cnr James Moroka & Stadium Road, Mmabatho, 2735 E-mail: oskosana@nrwp.gov.za	15 Jan 2018	Scoping report sent with Fastway couriers for comments	
Dept. Water and Sanitation			
Ester Makungo Private Bag X6131, Kimberley, 8301 Tel: 015 405 9000 e-mail: groblerw@dws.gov.za	15 Jan 2018	Scoping report sent with registered post for comments	
Dept. Agriculture, Forestry and Fisheries			
Maurice Vuyega Louis le Grange Building, Cnr Peter Mokaba & Wolmarans street, 3rd Floor, Office nr 318, Potchefstroom, 2520	15 Jan 2018	Scoping report sent with Fastway couriers for comments	
Dept. Rural Development and Landform			

APPENDIX 2 – RESULTS OF CONSULTATION WITH I& AP'S

Other Competent Authorities			
SAHRIS P.O. Box 4637, Cape Town, 8000 Tel: 021 462 4502 Fax: 021 462 4509 E-mail: info@sahra.org.za	5 Feb 2018		
OTHER AFFECTED PARTIES			
INTERESTED PARTIES			

Notice published in Stellalander of 17 January 2018

Office

From: Office <dera.office@dera.co.za>
Sent: Thursday, January 11, 2018 2:36 PM
To: 'limarco15@mweb.co.za'
Subject: Konsultasie briewe - Rotizone - Pt 9 - Panfontein
Attachments: Scan_20180111_141526.pdf

Goeie dag Sewes

Aangeheg is die konsultasie briewe vir die nuwe aansoek op gedeelte 9 van Panfontein - NW12263PR wat deur die grondeienaar (Public Works) en aangrensende bure geteken moet word en so spoedig moontlik aan ons terug te stuur.

Ons benodig die briewe voor 8 Februarie 2018 vir die Scoping Report.

Kontak gerus vir Daan indien enige navrae.

Groete.

Ns/pp Gerda Els

Daan Erasmus

Dera Environmental Consultants/Dera Omgewingskonsultante P.O. Box 6499, Flamwood 2572 VAT No: 464 020 4881

Tel: 018 468 5355

Fax: 018 468 4015

Cell: 082 895 3516

Fax2mail: 086 578 3085

e-mail: dera.office@dera.co.za or daane@dera.co.za

Scan_20180111_141526.pdf;

.....

DERA

13 December 2017

Environmental Consultants

To whom it may concern

CONSULTATION WITH INTERESTED AND AFFECTED PARTIES WITH REGARD TO AN APPLICATION FOR A PROSPECTING RIGHT IN TERMS SECTION 16 OF THE MINERALS AND PETROLEUM RESOURCES DEVELOPMENT ACT, 2002 (ACT 28 OF 2002) AND NEMA, EIA 2014 OVER: A PORTION OF PORTION 9 OF THE FARM PANFONTEIN 270 HO, MAGISTERIAL DISTRICT OF BLOEMHOF.

You are herewith informed that **Rotizone (Pty) Ltd** has submitted an application in terms of Section 16 of the Minerals and Petroleum Resources Development Act, 2002 (Act 28 of 2002), and NEMA, EIA 2014 to the Regional Manager: Mineral Regulation, Northern West Region in respect of **Diamonds Alluvial & Diamonds in Kimberlite** in the magisterial district of **Bloemhof**.

Rotizone (Pty) Ltd. is in the process of compiling the Scoping Report, which needs to be submitted at the Regional Office of DMR. After acceptance of the application is received an Environmental Management Programme (EMPr) & Environmental Impact Report (EIA) need to be submitted at the Regional Office of DMR within 106 days from date of acceptance of the Scoping Report. The above documents will be available on request for I&AP's for comments.


In terms of Section 10 of the Minerals and Petroleum Resources Development Act, 2002 (Act 28 of 2002), and in terms of Regulation 39(1) of the regulations published in the Government Notice No. R10328 (of 4 December 2014) under Chapter 6 of the NEMA, EIA 2014, the landowner or legal occupier of the land, as well as any other interested party must be notify and must be consulted with in terms of the proposed project.

Rotizone (Pty) Ltd. deem it necessary to consult with inter alia yourself / your company/ your organization, and you are therefore kindly requested to comment very clearly and unambiguously with regard to the proposed prospecting project. You are requested to put in writing any interest/ objection and/or comments you may have and send it back to the appointed consultants (**Reference no. NW30/5/1/1/2/12263R**) within 30 days from the date of receipt of this letter. If no correspondence is received from you within the mentioned period, the applicant shall accept that you have no objection in the proposed prospecting activities.

Please call me if any further information is needed.

Your co-operation will be appreciated.

Yours faithfully


Daan Erasmus
DERA Environmental Consultants

.....

REGISTRATION FORM AND COMMENT FOR THE PUBLIC PARTICIPATION PROCESS
PROPOSED PROSPECTING RIGHT APPLICATION ON A PORTION OF PORTION 9 OF THE FARM PANFONTEIN 270
HO, MAGISTERIAL DISTRICT OF BLOEMHOF.

Daan Erasmus
P.O. Box 6499
KLERKSDORP
2572

Tel. 018-468 5355
Fax: 018-468 4015
Mobile: 082 895 3516
E-mail: dera.office@dera.co.za or daane@dera.co.za

PERSONAL INFORMATION:

Title/Titel:..... Initials/Voorletters: First Name/Eerste naam:.....

Surname/Van.....

E-mail/E-pos.....

Telephone/Telefoon..... Fax/Faks.....

Organisation (if applicable)/Organisasie(indien van toepassing):

Capacity (member, etc.)/Kapasiteit (lid ens):

Landowner/Grondeienaar/Neighbour/Buurman/Interested and/or affected party on the farm/op die plaas.....

Postal Address/ Posadres

Town/City/Dorp/Stad: Code/Kode:

COMMENT/OBJECTION:

1. What is the nature of your interest in the proposed project/Wat is u belang in die voorgename projek?

2. Do you have any ground for objection or do you support the proposed project/Het u enige gronde tot beswaar of ondersteun u die bogenoemde projek?

YES/NO JA/NEE

If "Yes", please list shortly/Indien 'JA', lys asseblief kortliks.

3. Do you foresee that this activity will have a negative impact on yourself or the environment/Voorsien u dat die voorgename projek 'n negatiewe inpak kan he op uself of die omgewing?

YES/NO JA/NEE

If "Yes", please describe shortly/Indien 'JA', verduidelik asseblief kortliks.

Filled in on/Ingevol op..... day of /dag van..... (month)/(maand) 2018

Name and Surname/ Company

Naam en Van/Maatskappy

Signature/Handtekening

.....

REGISTRATION FORM AND COMMENT FOR THE PUBLIC PARTICIPATION PROCESS
PROPOSED PROSPECTING RIGHT APPLICATION ON A PORTION OF PORTION 9 OF THE FARM PANFONTEIN 270
HO, MAGISTERIAL DISTRICT OF BLOEMHOF.

Daan Erasmus
P.O. Box 6499
KLERKSDORP
2572

Tel. 018-468 5355
Fax: 018-468 4015
Mobile: 082 895 3516
E-mail: dera.office@dera.co.za or daane@dera.co.za

PERSONAL INFORMATION:

Title/Titel:..... Initials/Voorletters: First Name/Eerste naam:.....

Surname/Van.....

E-mail/E-pos.....

Telephone/Telefoon..... Fax/Faks.....

Organisation (if applicable)/Organisasie(indien van toepassing):

Capacity (member, etc.)/Kapasiteit (lid ens):

Landowner/Grondeienaar/Neighbour/Buurman/Intersted and/or affected party on the farm/op die plaas.....

Postal Address/ Posadres

Town/City/Dorp/Stad: Code/Kode:

COMMENT/OBJECTION:

1. What is the nature of your interest in the proposed project/Wat is u belang in die voorgename projek?

.....
.....

2. Do you have any ground for objection or do you support the proposed project/Het u enige gronde tot beswaar of ondersteun u die bogenoemde projek?

.....
.....

YES/NO JA/NEE

If "Yes", please list shortly/Indien 'JA', lys asseblief kortliks.

.....
.....

3. Do you foresee that this activity will have a negative impact on yourself or the environment/Voorsien u dat die voorgename projek 'n negatiewe inpak kan he op uself of die omgewing?

YES/NO JA/NEE

If "Yes", please descibe shortly/Indien 'JA', verduidelik asseblief kortliks.

.....
.....

Filled in on/Ingevol op..... day of /dag van..... (month)/(maand) 2018

Name and Surname/ Company

Signature/Handtekening

Naam en Van/Maatskappy

.....

:
REGISTRATION FORM AND COMMENT FOR THE PUBLIC PARTICIPATION PROCESS
PROPOSED PROSPECTING RIGHT APPLICATION ON A PORTION OF PORTION 9 OF THE FARM PANFONTEIN 270
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Daan Erasmus
P.O. Box 6499
KLERKSDORP
2572

Tel. 018-468 5355
Fax: 018-468 4015
Mobile: 082 895 3516
E-mail: dera.office@dera.co.za or daane@dera.co.za

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Title/Titel:..... Initials/Voorletters: First Name/Eerste naam:.....
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E-mail/E-pos.....
Telephone/Telefoon..... Fax/Faks.....
Organisation (if applicable)/Organisasie(indien van toepassing):
Capacity (member, etc.)/Kapasiteit (lid ens):
Landowner/Grondeienaar/Neighbour/Buurman/Intersted and/or affected party on the farm/op die plaas.....
Postal Address/ Posadres
Town/City/Dorp/Stad: Code/Kode:

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.....
.....
.....
2. Do you have any ground for objection or do you support the proposed project/Het u enige gronde tot beswaar of ondersteun u die
bogenoemde projek?
.....
.....
.....

YES/NO JA/NEE

If "Yes", please list shortly/Indien 'JA', lys asseblief kortliks.
.....
.....
.....

3. Do you foresee that this activity will have a negative impact on yourself or the environment/Voorsien u dat die voorgename projek 'n
negatiewe inpak kan he op uself of die omgewing?

YES/NO JA/NEE

If "Yes", please descibe shortly/Indien 'JA', verduidelik asseblief kortliks.
.....
.....
.....

Filled in on/Ingevol op..... day of /dag van..... (month)/(maand) 2018

Name and Surname/ Company
Naam en Van/Maatskappy

Signature/Handtekening

.....

FLAMWOOD
2572

Cell: 082 895 3516
Tel: 018-468 5355
Fax2mail. 086 578 3085
Fax: 018-468 4015
E-mail:
dera.office@dera.co.za

DERA

Environmental Consultants

To: **Lekwa Teemane Local Municipality:
LED officer: Pakiso Leshage**

Fax: **053 441 3735**

From: Daan Erasmus

Date: 11 January 2018

Re: **Notice of Prospecting Right application on the
farm Panfontein 270 HO in the district of
Bloemhof**

Pages: 1+2

Urgent

For Review

Please Comment

Please Reply

Please Recycle

Please find attached the consultation letter for the Prospecting Right application of Rotizone (Pty) Ltd. on the farm Panfontein 270 HO, in the district of Bloemhof. The Departement of Mineral Resources requested that we inform the Lekwateemane Local Municipality of the proposed prospecting right as as part of the Public Participation process with interested and/or affected parties.

It would be highly appreciated if you could return the consultation letter attached to Dera Environmental Consultants - fax: 018 468 4015 or dera.office@dera.co.za or daane@dera.co.za

Should you have any questions regarding the above, please call Mr. Erasmus at 082 895 3516

Regards

P.P. 
Daan Erasmus

.....

DERA

13 December 2017

Environmental Consultants

To whom it may concern

CONSULTATION WITH INTERESTED AND AFFECTED PARTIES WITH REGARD TO AN APPLICATION FOR A PROSPECTING RIGHT IN TERMS SECTION 16 OF THE MINERALS AND PETROLEUM RESOURCES DEVELOPMENT ACT, 2002 (ACT 28 OF 2002) AND NEMA, EIA 2014 OVER: A PORTION OF PORTION 9 OF THE FARM PANFONTEIN 270 HO, MAGISTERIAL DISTRICT OF BLOEMHOF.

You are herewith informed that **Rotizone (Pty) Ltd** has submitted an application in terms of Section 16 of the Minerals and Petroleum Resources Development Act, 2002 (Act 28 of 2002), and NEMA, EIA 2014 to the Regional Manager: Mineral Regulation, Northern West Region in respect of **Diamonds Alluvial & Diamonds in Kimberlite** in the magisterial district of **Bloemhof**.

Rotizone (Pty) Ltd. is in the process of compiling the Scoping Report, which needs to be submitted at the Regional Office of DMR. After acceptance of the application is received an Environmental Management Programme (EMPr) & Environmental Impact Report (EIA) need to be submitted at the Regional Office of DMR within 106 days from date of acceptance of the Scoping Report. The above documents will be available on request for I&AP's for comments.

In terms of Section 10 of the Minerals and Petroleum Resources Development Act, 2002 (Act 28 of 2002), and in terms of Regulation 39(1) of the regulations published in the Government Notice No. R10328 (of 4 December 2014) under Chapter 6 of the NEMA, EIA 2014, the landowner or legal occupier of the land, as well as any other interested party must be notify and must be consulted with in terms of the proposed project.

Rotizone (Pty) Ltd. deem it necessary to consult with inter alia yourself / your company/ your organization, and you are therefore kindly requested to comment very clearly and unambiguously with regard to the proposed prospecting project. You are requested to put in writing any interest/ objection and/or comments you may have and send it back to the appointed consultants (**Reference no. NW30/5/1/1/2/12263R**) within 30 days from the date of receipt of this letter. If no correspondence is received from you within the mentioned period, the applicant shall accept that you have no objection in the proposed prospecting activities.

Please call me if any further information is needed.

Your co-operation will be appreciated.

Yours faithfully

P.P. 

Daan Erasmus
DERA Environmental Consultants

.....

:
REGISTRATION FORM AND COMMENT FOR THE PUBLIC PARTICIPATION PROCESS
PROPOSED PROSPECTING RIGHT APPLICATION ON A PORTION OF PORTION 9 OF THE FARM PANFONTEIN 270
HO, MAGISTERIAL DISTRICT OF BLOEMHOF.
:

Daan Erasmus
P.O. Box 6499
KLERKSDORP
2572

Tel. 018-468 5355
Fax: 018-468 4015
Mobile: 082 895 3516
E-mail: dera.office@dera.co.za or daane@dera.co.za

PERSONAL INFORMATION:

Title/Titel:..... Initials/Voorletters: First Name/Eerste naam:.....

Surname/Van.....

E-mail/E-pos.....

Telephone/Telefoon..... Fax/Faks.....

Organisation (if applicable)/Organisasie(indien van toepassing):

Capacity (member, etc.)/Kapasiteit (lid ens):

Landowner/Grondeienaar/Neighbour/Buurman/Interested and/or affected party on the farm/op die plaas.....

Postal Address/ Posadres

Town/City/Dorp/Stad: Code/Kode:

COMMENT/OBJECTION:

1. What is the nature of your interest in the proposed project/Wat is u belang in die voorgename projek?

.....

.....

2. Do you have any ground for objection or do you support the proposed project/Het u enige gronde tot beswaar of ondersteun u die bogenoemde projek?

.....

.....

YES/NO JA/NEE

If "Yes", please list shortly/Indien 'JA', lys asseblief kortliks.

.....

.....

3. Do you foresee that this activity will have a negative impact on yourself or the environment/Voorsien u dat die voorgename projek 'n negatiewe inpak kan he op uself of die omgewing?

YES/NO JA/NEE

If "Yes", please descibe shortly/Indien 'JA', verduidelik asseblief kortliks.

.....

.....

Filled in on/Ingevul op..... day of /dag van..... (month)/(maand) 2018

Name and Surname/ Company

Naam en Van/Maatskappy

Signature/Handtekening

.....

TRANSACTION REPORT

11/JAN/2018/THU 14:48

FAX(TX)

#	DATE	START T.	RECEIVER	COM.TIME	PAGE	TYPE/NOTE	FILE
001	11/JAN	14:41	0534413735			MEMORY NO RESPONSE	1794

THE FOLLOWING DATA COULD NOT BE SENT.
PLEASE GIVE THIS TRANSACTION REPORT TO SENDER.

FLAMWOOD
2572

Cell: 082 895 3516
Tel: 018-468 5355
Fax2mail. 086 578 3085
Fax: 018-468 4015

E-mail:
dera.office@dera.co.za

DERA

Environmental Consultants

To: **Lekwa Teemane Local Municipality:** Fax: **053 441 3735**
LED officer: Pakiso Leshage

From: **Daan Erasmus** Date: **11 January 2018**

Re: **Notice of Prospecting Right application on the** Pages: **1+2**
farm Panfontein 270 HO in the district of
Bloemhof

Urgent For Review Please Comment Please Reply Please Recycle

Please find attached the consultation letter for the Prospecting Right application of Rotizone (Pty) Ltd. on the farm Panfontein 270 HO, in the district of Bloemhof. The Departement of Mineral Resources requested that we inform the Lekwateemane Local Municipality of the proposed prospecting right as as part of the Public Participation process with interested and/or affected parties.

It would be highly appreciated if you could return the consultation letter attached to Dera Environmental Consultants - fax: 018 468 4015 or dera.office@dera.co.za or daane@dera.co.za

Should you have any questions regarding the above, please call Mr. Erasmus at 082 895 3516

Regards

P.P. 
Daan Erasmus

Office

From: Office <dera.office@dera.co.za>
Sent: Thursday, January 11, 2018 3:04 PM
To: 'Keabetswe.Mothupi@drdlr.gov.za'
Subject: Verification of land claims - Panfontein 270 HO
Attachments: Scan_20180111_144220.pdf

Good day Kea

Please see attached our request for verification of land claims on the farm Panfontein 270 HO, Bloemhof district.

Regards.

Ns/pp Gerda Els
Daan Erasmus
Dera Environmental Consultants/Dera Omgewingskonsultante P.O. Box 6499, Flamwood 2572 VAT No: 464 020 4881
Tel: 018 468 5355
Fax: 018 468 4015
Cell: 082 895 3516
Fax2mail: 086 578 3085
e-mail: dera.office@dera.co.za or daane@dera.co.za

Scan_20180111_144220.pdf;

.....
DERA

11 January 2018

Environmental Consultants

Departement of Land Affairs & Rural Development

Attention: Keabetswe Mothupi

Re: Verification of Land Claims

We are Environmental Consultants situated in Klerksdorp and has applied on behalf of Rotizone (Pty) Ltd. for a prospecting right on the following farms in the Bloemhof district.


- **Portion 9**
- **All of the farm Panfontein 270 HO**

Could you please be so kind to verify if there are any land claims over the farms as mentioned above?

It would be highly appreciated if you could help us in this matter as soon as possible.

Please feel free to contact the office of Dera Environmental Consultants or Mr. Erasmus on his cell: 082 895 3516 for any further information.

Yours truly,

p.p. 

Daan Erasmus

.....

Office

From: Keabetswe Mothupi <keabetswe.mothupi@drdlr.gov.za>
Sent: Friday, January 12, 2018 1:16 PM
To: Office
Subject: RE: Verification of land claims - Panfontein 270 HO
Attachments: vlakfontein n others.pdf

Ref: 120018

Please find the attached acknowledgment letters

-----Original Message-----

From: Office [mailto:dera.office@dera.co.za]
Sent: 11 January 2018 03:04 PM
To: Keabetswe Mothupi
Subject: Verification of land claims - Panfontein 270 HO

Good day Kea

Please see attached our request for verification of land claims on the farm Panfontein 270 HO, Bloemhof district.

Regards.

Ns/pp Gerda Els
Daan Erasmus
Dera Environmental Consultants/Dera Omgewingskonsultante P.O. Box 6499, Flamwood 2572 VAT No: 464 020 4881
Tel: 018 468 5355
Fax: 018 468 4015
Cell: 082 895 3516
Fax2mail: 086 578 3085
e-mail: dera.office@dera.co.za or daane@dera.co.za

Scan_20180111_144220.pdf;



OFFICE OF THE REGIONAL LAND CLAIMS COMMISSIONER: NORTH WEST
Cnr James Mankwalo and Kokomo drive, Wind gallery, Mmabatho
Tel: (018) 388 7220

Reference: R/7/010/01/2017
Enquiries: Keabetswe Mothupi
Tel: (018) 388-7220 / E-mail: keabetswe.mothupi@drdlr.gov.za

Rotigane

By E-Mail: dera.office@dera.co.za

Dear Daan Erasmus

LAND CLAIM ENQUIRY: THE FARM PANFONTEIN 270 HO

I acknowledge receipt of your letter dated the 11th of January 2018 regarding the above mentioned matter.

Kindly note that a formal response could be expected from our office within the next 7(seven) working days.

Should you however required any additional information, you can contact **Ms K.W Mothupi** at the above mentioned contact details.

Yours faithfully


MR L.J BOGATSU
CHIEF DIRECTOR
OFFICE OF THE REGIONAL LAND CLAIMS COMMISSIONER
NORTH WEST PROVINCE

DATE: 12/01/2017 2018

Daan

From: Phuti Mahloko <pmahloko@nwpb.org.za>
Sent: Monday, January 29, 2018 10:24 AM
To: daane@dera.co.za
Subject: Site Notice:- A Portion of Portion 9 of the farm Pantfontein 270 HO, Magisterial District of Bloemhof, North West
Attachments: Site Prospecting Notice.jpg

Good Morning Daane

We refer to the Site Notice placed at SA Lombard Nature Reserve by your Company. Please note that in 2016, you applied for Prospecting of Alluvial Diamonds at the same property to the Department of Mineral Resources, Reference number **DMR Ref Number: NW 30/5/1/1/2/11898 PR**. North West Parks Board Objected this proposed development. We would like to bring to your attention that your Company Dera has a tendency of not following EIA regulations and public participation process. We would like to register as interested and affected party. We also request that you send us proof that North West Parks Board registered as Interested and Affected Party within 2 days of receipt of this email. We would also like you to invite us to Public Participation Process.

Regards
Phuti Mahloko
018 397 1500
081362 6401

Office

From: Office <dera.office@dera.co.za>
Sent: Monday, February 05, 2018 11:27 AM
To: 'pmahloko@nwpb.org.za'
Subject: Consultation letter - Rotizone (Pty) Ltd
Attachments: Scan_20180205_105544.pdf

Good day Mr. Mahloko

With reference to your e-mail dated 29 January 2018.

We have registered the North West Parks Board as an interested and affected party for the Prospecting Right application of Rotizone (Pty) Ltd on a certain portion of portion 9 of the farm Panfontein in the district of Bloemhof.

See attached the consultation letter and the results of consultation (appendix 2) as proof that you were registered as an interested and affected party.

The Scoping Report will be send to you within the next week.

Kind regards.

Ns/pp Gerda Els

Daan Erasmus

Dera Environmental Consultants/Dera Omgewingskonsultante P.O. Box 6499, Flamwood 2572 VAT No: 464 020 4881

Tel: 018 468 5355

Fax: 018 468 4015

Cell: 082 895 3516

Fax2mail: 086 578 3085

e-mail: dera.office@dera.co.za or daane@dera.co.za

Scan_20180205_105544.pdf;

.....

DERA

29 January 2018

Environmental Consultants

North West Parks Board
Phuti Mahloko

CONSULTATION WITH INTERESTED AND AFFECTED PARTIES WITH REGARD TO AN APPLICATION FOR A PROSPECTING RIGHT IN TERMS SECTION 16 OF THE MINERALS AND PETROLEUM RESOURCES DEVELOPMENT ACT, 2002 (ACT 28 OF 2002) AND NEMA, EIA 2014 OVER: A PORTION OF PORTION 9 OF THE FARM PANFONTEIN 270 HO, MAGISTERIAL DISTRICT OF BLOEMHOF.

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Please call me if any further information is needed.

Your co-operation will be appreciated.

Yours faithfully

P.P. E

Daan Erasmus

DERA Environmental Consultants

.....

:

**REGISTRATION FORM AND COMMENT FOR THE PUBLIC PARTICIPATION PROCESS
PROPOSED PROSPECTING RIGHT APPLICATION ON A PORTION OF PORTION 9 OF THE FARM PANFONTEIN 270
HO, MAGISTERIAL DISTRICT OF BLOEMHOF.**

:

Daan Erasmus
P.O. Box 6499
KLERKSDORP
2572

Tel. 018-468 5355
Fax: 018-468 4015
Mobile: 082 895 3516
E-mail: dera.office@dera.co.za or daane@dera.co.za

PERSONAL INFORMATION:

Title/Titel:..... Initials/Voorletters: First Name/Eerste naam:.....

Surname/Van.....

E-mail/E-pos.....

Telephone/Telefoon..... Fax/Faks.....

Organisation (if applicable)/Organisasie(indien van toepassing):

Capacity (member, etc.)/Kapasiteit (lid ens):

Landowner/Grondeienaar/Neighbour/Buurman/Interested and/or affected party on the farm/op die plaas.....

Postal Address/ Posadres

Town/City/Dorp/Stad: Code/Kode:

COMMENT/OBJECTION:

1. What is the nature of your interest in the proposed project/Wat is u belang in die voorgename projek?

.....

2. Do you have any ground for objection or do you support the proposed project/Het u enige gronde tot beswaar of ondersteun u die bogenoemde projek?

.....

YES/NO JA/NEE

If "Yes", please list shortly/Indien 'JA', lys asseblief kortliks.

.....

3. Do you foresee that this activity will have a negative impact on yourself or the environment/Voorsien u dat die voorgename projek 'n negatiewe inpak kan he op uself of die omgewing?

YES/NO JA/NEE

If "Yes", please descibe shortly/Indien 'JA', verduidelik asseblief kortliks.

.....

Filled in on/Ingevol op..... day of /dag van..... (month)/(maand) 2018

Name and Surname/ Company

Naam en Van/Maatskappy

Signature/Handtekening

.....

PUBLIC NOTICE

APPLICATION FOR AN ENVIRONMENTAL AUTHORIZATION FOR THE PROPOSED ACTIVITIES.

Notice is given for the following application:

1) Environmental authorization application for prospecting.

- **Proponent:** The applicant is Rotizone (Pty) Ltd.
- **Ref. no:** NW30/5/1/1/2/12263PR
- **Property description:** The proposed prospecting area is over a Portion of Portion 9 of the farm Panfontein 270 HO, in the magisterial district of Bloemhof. The total extent of the prospecting area is 103.7292 hectares. (21 SG digital codes: T0HO0000000027000009)
- **Location:** The property is situated \pm 25 km north of Bloemhof.
- **Project description:** The purpose of the application is to obtain the required authorisation from the Department to successfully: undertake geological surveys, test pits and bulk sampling.
- **Activity applied for:** the following activities as listed in terms of NEMA (Act No. 107 of 1998) as amended and EIA Regulations, 2014 was applied for under Listing Notice 2 – GNR 325 of 2014, Activity 19; Listing Notice 1 – GNR 327 of 2014, Activity 20 & Listing Notice 1 – GNR 327 of 2014, Activity 27
- **Minerals applied for:** Diamonds Alluvial & Diamonds in Kimberlite
- **Date submitted:** 13 December 2017
- **Stakeholder involvement:** Stakeholders are invited to register as interested and affected parties and to participate in the application process by identifying issues of concern and suggestions for consideration in the Scoping Report and EMPr/EIA, and are also invited to contact Dera Environmental Consultants for any further information regarding the project. Please submit your written comments by mail, fax or e-mail in this 30 day of this notice to:

Mr. Daan Erasmus of DERA Environmental Consultants	
PO Box 6499	E-mail: daane@dera.co.za
Flamwood	Fax2Mail:086 578 3085
2572	Fax: 018 468 4015
	Cell: 082 895 3516;
- **Date of advertisement:** Wednesday 17 January 2018
- **Date of public meeting:** Thursday 18 January 2018, Why not Restaurant – 80 Prince Street, Bloemhof
- **Time:** 9H00

SITE NOTICE

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 - **Property description:** The proposed prospecting area is over a Portion 9 of the farm Pantfontein 270 HD, in the magisterial district of Bloemhof. The total extent of the prospecting area is 103,7292 hectares (21 SG digital codes: TOHOC0000000027000000)
 - **Location:** The property is situated ±25 km north of Bloemhof
 - **Project description:** The purpose of the application is to obtain the required authorisation from the Department to successfully undertake geological surveys, test pits and bulk sampling.
 - **Activity applied for:** the following activities as listed in terms of NEMA (Act No. 107 of 1998) as amended and EIA Regulations, 2014 was applied for under Listing Notice 2 – GNR 325 of 2014, Activity 19; Listing Notice 1 – GNR 327 of 2014, Activity 20 & Listing Notice 1 – GNR 327 of 2014, Activity 27
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