



## SOUTH AFRICAN HERITAGE RESOURCES AGENCY

111 HARRINGTON STREET, CAPE TOWN, 8000  
PO BOX 4637, CAPE TOWN, 8000  
TEL: (021) 462 4502 FAX: (021) 462 4509

DATE: 27 October 2010  
ENQUIRIES: Mr. Phillip Hine  
Archaeology, Palaeontology and Meteorite Unit  
E-mail: phine@sahra.org.za  
Web site: www.sahra.org.za

YOUR REF:  
OUR REF: 9/2/266/0001

Ms. Annelize Grobler  
Landscape Dynamics Environmental Consultants  
P.O. Box 947  
Groenkloof  
Pretoria  
0027

Dear Madam

**AN ESKOM MARBLE HALL NDP PROJECT-APPROXIMATELY 42 KM  
132KV POWER LINE FROM WOLWEKRAAL SUBSTATION TO THE AND  
INCLUDING THE NEW PROPOSED MOUTSE SUBSTATION:  
ENVIRONMENTAL IMPACT ASSESSMENT PROCESS: NOTIFICATION OF  
PROJECT WITH INVITATION TO SUPPLY INITIAL COMMENT AND  
INPUT.**

Thank you for your indication that development is to take place in this area.

In terms of the National Heritage Resources Act, no 25 of 1999, heritage resources, including archaeological or palaeontological sites over 100 years old, graves older than 60 years, structures older than 60 years are protected. They may not be disturbed without a permit from the relevant heritage resources authority. This means that before such sites are disturbed by development it is incumbent on the developer (or mine) to ensure that a **Heritage Impact Assessment** is done. This must include the archaeological component (Phase 1) and any other applicable heritage components. Appropriate (Phase 2) mitigation, which involves recording, sampling and dating sites that are to be destroyed, must be done as required.

In your application received by SAHRA there was no indication of an assessment of the archaeological resources. The quickest process to follow for the archaeological component is to contract a specialist (see link to CRM archaeologists) to provide a Phase 1 Archaeological Impact Assessment Report. This must be done before any large development takes place.

The Phase 1 Impact Assessment Report will identify the archaeological sites and assess their significance. It should also make recommendations (as indicated in section 38) about the process to be followed. For example, there may need to be a mitigation phase (Phase 2) where the specialist will collect or excavate material and date the site. At the end of the process the heritage authority may give permission for destruction of the sites.

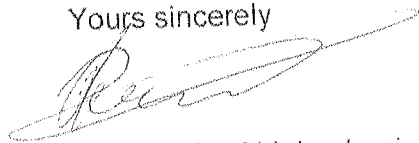
Where bedrock is to be affected, or where there are coastal sediments, or marine or river terraces and in potentially fossiliferous superficial deposits, a Palaeontological Desk Top study must be undertaken to assess whether or not the development will impact upon palaeontological resources - or at least a letter of exemption from a Palaeontologist is needed to indicate that this is unnecessary. If the area is deemed sensitive, a full Phase 1 Palaeontological Impact Assessment will be required and if necessary a Phase 2 rescue operation might be necessary. (See attached list of accredited Palaeontologists).

If the property is very small or disturbed and there is no significant site the specialist may choose to send a letter to the heritage authority to indicate that there is no necessity for any further assessment.

Any other heritage resources that may be impacted such as built structures over 60 years old, sites of cultural significance associated with oral histories, burial grounds and graves, graves of victims of conflict, and cultural landscapes or viewsapes must also be assessed.

Attached please find a list of palaeontological specialists who may be contacted to undertake the necessary palaeontological impact assessments. See link below for CRM archaeologists.

Yours sincerely



PP Nonofho Ndobochani  
SAHRA: Archaeology, Palaeontology and Meteorite Unit  
For: CHIEF EXECUTIVE OFFICER

Copy: PHRA Mpumalanga Office

Appendices: List of accredited Palaeontologists.  
See [www.ascp.org.za](http://www.ascp.org.za) for list of CRM archaeologist

**Subject:** RE: Eskom - Wolwekraal - Moutse  
**From:** "Joseph Kempen" <joseph@loskopagri.co.za>  
**Date:** Tue, 21 Dec 2010 16:55:17 +0200  
**To:** <agrobler@landscapedynamics.co.za>

Dankie

Ons praat later weer

Geseënde Kersfees

**From:** agrobler@landscapedynamics.co.za [mailto:agrobler@landscapedynamics.co.za]  
**Sent:** 21 December 2010 01:10 PM  
**To:** Joseph Kempen  
**Cc:** Annelize Grobler  
**Subject:** Re: Eskom - Wolwekraal - Moutse

Beste Mnr Kempen, ek is nie bewus van enige briewe v Eskom Distribusie wat uitgedeel word. Ons is in ons omgewingsimpakstudie- proses nog nie naby bedrae aanbied, ens nie. Al wat ek kan dink is dat die briewe kan kom van Eskom Transmissie vir hulle groot lyne wat hulle in die makro area beplan. Ek is ongelukkig aan die Suidkus, maar sal verseker dit met die relevante persone by Eskom opneem vroeg in die Nuwejaar! Vriendelike groete, Annelize Grobler

Sent via my BlackBerry from Vodacom - let your email find you!

---

**From:** "Joseph Kempen" <joseph@loskopagri.co.za>  
**Date:** Tue, 21 Dec 2010 13:01:49 +0200  
**To:** <agrobler@landscapedynamics.co.za>  
**Subject:** FW: Eskom - Wolwekraal - Moutse

**From:** Joseph Kempen [mailto:joseph@loskopagri.co.za]  
**Sent:** 20 December 2010 02:48 PM  
**To:** 'Annelize'  
**Subject:** RE: Eskom - Wolwekraal - Moutse

Hi Annelize

Met verwysing na my vorige e-mail wil ek graag net die volgende onder jou aandag bring.

Sedert laas Saterdag 18/12/2010 het Eskom briewe by boere begin aflaai en gevra hulle moet dit teken. Wat ons egter ontstel is dat die boer of eienaar R 8000.00 per ha aangebied word en dat dit vër onder die waarde van die grond is.

Volgens ons, is daar nog geen konsultasie met enige van ons gedoen nie, en het jy in jou e-mail hieronder bevestig dat als nog net opsies is. As Eskom dink die boere wat geraak word, sommer blindelings gaan teken en die regte prosedures nie gevolg gaan word nie maak hulle n groot fout. Niemand is onwillig vir vooruitgang nie maar nie op n BOELIE metode nie.

Die persone wat die briewe aan die boere besorg het verder aan van die boere gesê dat daar niks is wat hulle(Boere) daaraan kan doen nie want Eskom is 'n baie groot maatskappy.

Laat weet my dringend sodat ek n paar baie KWAAI boere kan rustig maak

Groete

Joseph Kempen

082 572 8088

**From:** Annelize [mailto:agrobler@landscapedynamics.co.za]

**Sent:** 01 November 2010 05:16 PM

**To:** Joseph Kempen

**Subject:** Re: Eskom - Wolwekraal - Moutse

Beste Mnr Kempen

Hiermee die kaart aangeheg! Neem asb kennis dat hierdie 3x opsies bloot 'n wegspringplek is vir besprekings en hoegenaamd nie finaal is nie. Ons sal u spoedig kontak re verdere verwickelinge en vergaderinge.

Vriendelike groete

Annelize Grobler

Landscape Dynamics Environmental Consultants

PO Box 947; Groenkloof; Pretoria; 0027

Tel 082 566 4530 / 012 460 6043

Fax 012 346 2356 / 086 685 3822

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

**From:** Joseph Kempen

**To:** [agrobler@landscapedynamics.co.za](mailto:agrobler@landscapedynamics.co.za)

**Sent:** Wednesday, October 27, 2010 11:51 AM

**Subject:** Eskom - Wolwekraal - Moutse

Hi Annelize

As ons n Kaart kan kry sal dit baie help.

My belang is volgens jou rekords - Cotmaster

My besonderhede

E-Mail – [joseph@loskopagri.co.za](mailto:joseph@loskopagri.co.za)

Selfoon – 082 572 8088

Fax – 013 261 2641

Dankie

Joseph Kempen

**MARBLE HALL  
KLEINHANDEL (PTY)  
LTD**

**PO Box 567**

**TEL: (013) 261 2537**

**MARBLE HALL**

**FAX: (013) 261 2537**

**0450**

**VAT NR: 4730147305**

Landscape Dynamics

Posbus 947

Groenkloof

Pretoria

0027

17 November 2010

**Is: Eskom Marble Hall NDP Project**

U skrywe gedateer 19/10/2010 gerig van Elandsdrift JS 8, Posbus 631, Marble Hall, 0450; Aandag Flip en Lizette Coetzee:

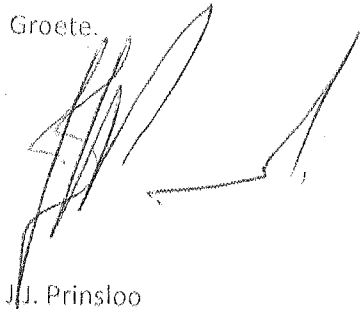
U toekomstige skrywes moet aan bogemelde adres gerig word vir Aandag: Cheem Prinsloo.

Ek het 'n kaart bekom waarop 3 moontlike roetes vir die Kraglyn aangetoon word.

Indien Opsie 1 aanvaar word loop die kraglyn oor die Plaas Elandsdrift, waarop ek beswaar maak.

Om baie korrisspondensie en verwere ui te skakel, versoek ek u kantore om eers 'n besluit te neem oor waar die Kraglyn gaan loop. Mnr. Neels Heyneke het my ook in die verband gekontak. Hy sal my weer kontak sodra daar meer duidelikheid is.

Groete.

A handwritten signature in black ink, appearing to be 'J.J. Prinsloo', written in a cursive style.

J.J. Prinsloo

Zelda van Zyl

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**From:** Annelize [agrobler@landscapedynamics.co.za]  
**Sent:** 01 March 2011 02:54 PM  
**To:** 'Porta Verspeiders'  
**Cc:** Zelda van Zyl  
**Subject:** RE: Eskom Marble Hall NDP Projects:Wolvekraal-Moutse  
**Attachments:** Marble\_Hall Wolvekraal to Moutse\_new\_Route\_1st\_2nd\_sections.pdf

Beste Madelien

Hiermee die voorgestelde roete-kaart soos belowe. Ek hoop ons sien julle more by die Ope dag – enige tyd vanaf 09:00 tot en met 14:00 by die boma op die sportvelde van die Laerskool Marble Hall in Skoolstraat in Marble Hall. Dit is 'n informele geleentheid waartydens ons as omgewingskonsultante tesame met Eskom amptenare en die onderhandelaar (wat namens Eskom direk met julle sal kontak maak) inligting aangaande die projek aan die publiek oordra. Dit is ook 'n geleentheid om die voorgestelde roete-opsies met potensieel geaffekteerde partye te bespreek.

Vriendelike groete  
Annelize Grobler

**Landscape Dynamics Environmental Consultants**  
**PO Box 947; Groenkloof; Pretoria; 0027**  
**Tel 082 566 4530 / 012 460 6043**  
**Fax 012 346 2356 / 086 685 3822**  
**E-Mail : [agrobler@landscapedynamics.co.za](mailto:agrobler@landscapedynamics.co.za)**

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

**From:** Porta Verspeiders [mailto:portafin@midcom.co.za]  
**Sent:** Tuesday, March 01, 2011 7:54 AM  
**To:** agrobler@landscapedynamics.co.za  
**Subject:** Eskom Marble Hall NDP Projects:Wolvekraal-Moutse

More Annelize,

Ons is van Plaas Rhenosterfonten 731KS. Kan jy asb vir ons 'n kaart deur stuur van waar die beplande lyn gaan loop.

Dankie  
Groete  
Madelien  
Mark Pratt





23 March 2011 Our ref: Eskom Marble Hall NDP project: Wolwekraal to Moutse Your ref:

Landscape Dynamics  
PO Box 947; Groenkloof; Pretoria; 0027  
Tel 082 566 4530 / 012 460 6043  
Fax 012 346 2356 / 086 685 3822  
E-Mail : [agrobler@landscapedynamics.co.za](mailto:agrobler@landscapedynamics.co.za)

Dear Madam

**ESKOM MARBLE HALL NDP PROJECT: WOLWEKRAAL TO MOUTSE AND TRANSMISSION LINE**

We act on behalf of the owner of Undara Investments (Pty) Ltd and write this letter to you according to our client's instructions.

Our client is the owner of the above properties being Portions of the farms Renosterfontein 731 KS, Tambootielaagte 733 KS and Claremont 734 KS over which a Proposed Transmission Line and a 132kV power line are proposed.

Our client is therefore a directly interested and affected party and has a real interest in the application.

Our client has a substantial interest as it is operating game a farm that will be severely affected by any decision taken in relation thereto.

**1. Transmission Line**

Our client was not afforded a reasonable opportunity to participate in the information and participation processes as described by the National Environmental Management Act (Act 107 of 1998) in the following aspects in terms of the Act and the Regulations relating thereto:

1. Our client is directly affected by the Transmission line for which authorisation is required and has not, as is required by Section 23(2)(d) been informed of any application for environmental authorisation.
2. Our client has not been informed as required by the Act and Regulations and therefore objects to the process as this is a peremptory requirement of the Act and Regulations which necessitates that the Applicant should in the circumstances be required to commence *de novo* with the application therefore informing all the relevant parties, as is required by the Act and Regulations.

LOKISA ENVIRONMENTAL CONSULTING CC  
REG NO: 2006/217689/23  
46 26<sup>th</sup> STREET, MENLO PARK, PRETORIA, 0081  
P.O. BOX 219 GROENKLOOF 0027  
TEL (012) 346 7655 / 8324 FAX (012) 346 6074, [lokisa@lokisa.co.za](mailto:lokisa@lokisa.co.za)  
DIRECTOR: E HOLTZHAUSEN  
[www.lokisa.co.za](http://www.lokisa.co.za)

3. In terms of the Promotion of Administrative Justice Act, administrative processes should be fair and equitable.

In not advising our client of its intentions is contra the Regulations of the National Environmental Management Act, which would not constitute fair and administrative processes which would make any decision taken in ignorance of that fact reviewable in terms of the aforementioned Act. Should our client be successful on such review application, any decision taken by the Department may be set aside or be referred back to commence *de novo*.

In the interest of efficacy, it is proposed that the Applicant be directed to restart the whole participation process to allow our client, as provided for in the Act and Regulations, ample opportunity to study the necessary documentation and not be forced into a position whereby it must, after the facts try and protect its interests in the public participation process.

The alignment of this line is such that it falls across the eastern portion of the site whereby it causes the east on portion to be cut off from the remainder of the site. Not only will this area be cut of but the site has been subdivided into smaller portions (each with its own title deed) thereby providing owners the opportunity to own a piece of game farm that is part of a larger farm. The value of the subdivided portions will therefore be directly affected by the transmission line. Furthermore the main residence, that has been transformed into a lodge for international hunters, is situated within 500m from the proposed transmission line and will be affected by the visual impact of the line. A fact that would have been forthcoming if our client was informed of the application by the applicant.

## 2. Wolwekraal to Moutse 132kV Powerline

It is our understanding that several options with regard the route has been investigated and that the preferred alternative is to cut across our client's property along the southern boundary of Rhenosterfontein 731 KS.

This alignment falls across the most pristine portion of our clients property and will affect a dam situated on the south eastern portion of the farm Tambotielaagte 733 KS. This dam is abundant with birds and the effect it could have on the birds have not been investigated.

Two groups of black vultures and white backed vultures are known to breed on the property and approximately 8 nests are situated in close proximity to the proposed alignment of the power line. A vulture kitchen has furthermore been in existence in close proximity to the nesting sites.

Roan Sable and Buffalo are also bred on the farm and there has not been cattle on the farm in the last 30 years. An application for the introduction of rhino has been approved and they are to be introduced to the farm during the current year.

A hunting lodge is also situated in close proximity to the proposed alignment which is regularly used to host international hunters.

It is therefore believed that the alignment will severely affect the nature of the site due to the clearance of the natural bush as well as the maintenance that will be required on a continual basis.

Our client proposes a new alignment over his site on the following conditions:

1. The transmission line be moved of the property and to follow the alignment of the existing railway line;
2. The existing 11kV power lines to be removed and provision made for power to the neighbouring properties in an alternative manner;
3. The 132kV line be placed along the southern and western boundary of the farm Slagboom 7 KS as per the attached proposal.

Please advise should you wish to undertake a site visit in order to investigate the alignment proposed by our client.

Your response is awaited.

Sincerely,

A handwritten signature in black ink, consisting of a circular loop followed by a long horizontal stroke.

Elaine Holtzhausen

Lokisa Environmental Consulting CC

## Annelize

**From:** Elaine Holtzhausen [elaine@lokisa.co.za]  
**Sent:** Wednesday, May 04, 2011 12:26 PM  
**To:** 'Annelize'  
**Subject:** RE: Marble Hall NPD Project for Distribution : Wolwekraal to Moutse - comment re Transmission Line from affected landowner

Annelize

Could you please advise whether you would require a site visit in order to obtain clarity on the new proposed alignment over Undara's property?

Also do you perhaps have any feedback on your e-mail dated 25 March 2011 to Solomon Tsolo?

Your help will be appreciated.

Elaine Holtzhausen

LOKISA ENVIRONMENTAL CONSULTING CC  
REG NO: 2006/217689/23  
46 26th STREET, MENLO PARK, PRETORIA, 0081 P.O.BOX 219 GROENKLOOF 0027 TEL (012) 346 7655 / 8324 FAX (012) 346 6074,  
082 493 9616  
elaine@lokisa.co.za  
www.lokisa.co.za

**From:** Annelize [mailto:agrobler@landscapedynamics.co.za]  
**Sent:** 25 March 2011 02:15 PM  
**To:** Solomon Tsolo; Lucia Chauke  
**Cc:** Elaine Holtzhausen; Anne-Marie Botha; Zelda van Zyl; Palesa Kuaho; Angelina Shalang  
**Subject:** Marble Hall NPD Project for Distribution : Wolwekraal to Moutse - comment re Transmission Line from affected landowner

Dear Solomon

Our previous communication with regards to the proposed Marble Hall NDP Project for Eskom Distribution refer (Landscape Dynamics are the environmental consultants on this project).

Please find attached hereto the response received from Lokisa Environmental Consultants who act on behalf of Undara Investments (Pty) Ltd whose properties are affected by the proposed Distribution and Transmission powerlines planned for the macro area of Marble Hall. Please take note of their concerns and requirements with regards to the Transmission line. We would appreciate it if you could forward this communication to the relevant environmental consultants and negotiators who act on behalf of Eskom Transmission with regards to the proposed Transmission project. Anne-marie Botha (tel 082 788 7686) has been appointed to do the negotiations on behalf of Eskom Distribution and we recommend that you discuss the proposed amendment for the transmission route also with her – she has had some discussion with the landowner in this regard. Could you please copy us on feedback in this regard?

Kind regards  
Annelize Grobler

*Landscape Dynamics Environmental Consultants  
PO Box 947; Groenkloof; Pretoria; 0027  
Tel 082 566 4530 / 012 460 6043  
Fax 012 346 2366 / 086 685 3822*

10/3/2011

E-Mail : [agrobler@landscapedynamics.co.za](mailto:agrobler@landscapedynamics.co.za)

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

**From:** Elaine Holtzhausen [mailto:[elaine@lokisa.co.za](mailto:elaine@lokisa.co.za)]

**Sent:** Wednesday, March 23, 2011 11:08 AM

**To:** 'Annelize'

**Cc:** [neilr@drivecon.net](mailto:neilr@drivecon.net)

**Subject:** RE: Wolwekraal to Moutse

Annelize

Attached please find a letter as response to the Open Day held on '2 March 2011 with regard the above.

Please acknowledge receipt of this mial.

Elaine Holtzhausen

LOKISA ENVIRONMENTAL CONSULTING CC

REG NO: 2006/217889/23

46 26th STREET, MENLO PARK, PRETORIA, 0081 P.O.BOX 219 GROENKLOOF 0027 TEL (012) 346 7655 / 8324 FAX (012) 346 6074,

082 493 9616

[elaine@lokisa.co.za](mailto:elaine@lokisa.co.za)

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

10/3/2011

## Annelize Grobler

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**From:** Annelize Grobler <agrobler@landscapedynamics.co.za>  
**Sent:** 11 July 2011 06:33 AM  
**To:** Elaine Holtzhausen  
**Cc:** Anne Marie Botha (abotha@amppro.co.za); Angelina Shalang; Palesa Kuaho; Lucia Chauke  
**Subject:** FW: Eskom Marble Hall NDP Project: Wolwekraal to Moutse and Transmission line  
**Attachments:** Let01^L Chauke Response to Undara 01 07 11.pdf; invitation to public meetings.pdf; Mokopane Wolwekraal\_Site Notices\_2.pdf; site notices.pdf; Tracking numbers (3).pdf; image001.jpg

**Importance:** High

Dear Elaine

Please find attached hereto documentation for your attention with regards to the EIA process followed by the environmental consultants NEMA1 on behalf of Eskom Transmission. You are kindly requested to take this matter further up with Nema1 Consulting and Ms Lucia Chauke from Eskom Transmission. We also trust that Anne-marie Botha is however still in the process of negotiating the route deviation with Eskom Transmission as proposed during our site meeting. Note however that was have been appointed by Eskom Distribution for the EIA of the Marble Hall NDP Project (Wolvekraal to Moutse where it concerns your clients' properties); therefore we can only do our best in putting forward your request in terms of the deviation of the proposed route of the Eskom Transmission line, but we cannot promise anything in this regard.

Kind regards  
Annelize Grobler



*Landscape Dynamics Environmental Consultants*  
*Postal Address : PO Box 947; Groenkloof; Pretoria; 0027*  
*Tel : 082 566 4530 / 012 460 6043*  
*Fax : 086 685 3822 / 012 346 2356*

**From:** Lucia Chauke [mailto:ChaukeLK@eskom.co.za]  
**Sent:** 06 July 2011 10:20 AM  
**To:** agrobler@landscapedynamics.co.za  
**Cc:** Archibold Mogokonyane  
**Subject:** Eskom Marble Hall NDP Project: Wolwekraal to Moutse and Transmission line

Dear Elaine

Please receive the response to your letter dated 23 March 2011 on the above-mentioned matter.

The attached documents are an indication off the public participation process that was followed.

Kind Regards,

Lucia Khanyisa Chauke  
Eskom Holdings Limited  
PDD – Land Development  
Tel: 011 800 4427  
Fax: 086 664 9842  
Mobile: 082 874 5901  
e-mail: [luciachauke@eskom.co.za](mailto:luciachauke@eskom.co.za)

I'm part of the 49Million initiative.

<http://www.49Million.co.za>

NB: This Email and its contents are subject to the Eskom Holdings Limited EMAIL LEGAL NOTICE which can be viewed at [http://www.eskom.co.za/e-mail\\_legalnotice](http://www.eskom.co.za/e-mail_legalnotice)

## Annelize Grobler

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**From:** Annelize Grobler <agrobler@landscapedynamics.co.za>  
**Sent:** 11 July 2011 06:43 AM  
**To:** 'Lucia Chauke'  
**Cc:** Elaine Holtzhausen; Anne Marie Botha (abotha@amppro.co.za); Angelina Shalang; Palesa Kuaho  
**Subject:** RE: Eskom Marble Hall NDP Project: Wolvekraal to Moutse and Transmission line  
**Attachments:** Marble\_Hall Wolvekraal to Moutse\_proposed and viable alt Jun 2011 A2.pdf; image001.jpg

**Importance:** High

Dear Lucia

Thank you for your response. Please note the attached map that indicates the proposed route deviation (in purple) as discussed between Anne-Marie Botha (the negotiator on behalf of Eskom Distribution) with the relevant Eskom Transmission official(s). We trust that this request would still be given serious consideration.

Kind regards

Annelize Grobler



LANDSCAPE  
DYNAMICS

*Landscape Dynamics Environmental Consultants*  
*Postal Address : PO Box 947; Groenkloof; Pretoria; 0027*  
*Tel : 082 566 4530 / 012 460 6043*  
*Fax : 086 685 3822 / 012 346 2356*

**From:** Lucia Chauke [mailto:ChaukeLK@eskom.co.za]  
**Sent:** 06 July 2011 10:20 AM  
**To:** agrobler@landscapedynamics.co.za  
**Cc:** Archibold Mogokonyane  
**Subject:** Eskom Marble Hall NDP Project: Wolvekraal to Moutse and Transmission line

Dear Elaine

Please receive the response to your letter dated 23 March 2011 on the above-mentioned matter.

The attached documents are an indication off the public participation process that was followed.

Kind Regards,

Lucia Khanyisa Chauke  
Eskom Holdings Limited  
PDD – Land Development  
Tel: 011 800 4427  
Fax: 086 664 9842  
Mobile: 082 874 5901



TELEFAX TRANSMISSION COVER PAGE

LANDSCAPE DYNAMICS

(ENVIRONMENTAL CONSULTANTS)

Tel Number : (012)460-6043

Fax Number : (012)346-2356 / 086 685 3822

Cell No : 082 566 4530 (Annelize Grobler)

E-Mail : [agrobler@landscapedynamics.co.za](mailto:agrobler@landscapedynamics.co.za)

Postal Address : PO Box 947, GROENKLOOF, Pretoria, 0027

Physical Address : 91 Wenning Street; GROENKLOOF, Pretoria, 0181

COMPANY : GronoGienaar  
ATTENTION : Mev Hilda Howard  
FAX NO : 086 547 9395  
DATE : 27/07/2011  
PAGES : 1 + 2

RE : Eskom Marble Hall NDP Projekte

Beste Mev Howard

- Sten asb raangeseh die 2 kaarte  
van die Marble Hall MTS (by Raasblaar)  
na Wolvekraal (by Marble Hall) en  
(2) ~~na~~ Wolvekraal (by Marble Hall) na nuwe  
Moutse Substansie

Dit lyk vir my dat die Mededeelings 24, 95 en  
63 van die plaas Loskop-Noord nie  
geaffektieer word nie.

Neem asb kennis dat die eerste bogenoemde  
verslag volgende week ter insae by Raasblaar  
sal wees en die Moutse verslag teen  
midde Augustus. Beide verslae sal A3-grootte  
kleurplanne in hâ vir u genief.

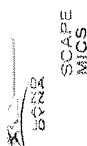
Vriendelike groete  
Annelize Grobler



Eskom

# ESKOM Marble Hall NDP Project - Proposed Route - Proposed Route with Alternative

Approximately 42km 132 kv powerline from the existing Wolvenkraal Substation to (and including) the new proposed Moutse Substation and viable alternative



Alternative presented to Eskom transmission

Keatom 729 KS  
 24°58'25.59"S  
 29°11'17"E Zamenkomi 730 KS  
 Proposed Moutse SS  
 24°59'15.47"S  
 29°03'41"E

Proposed Moutse SS  
 24°59'15.47"S  
 29°03'41"E

	Proposed Route
	Viable Alternative Route
	Proposed Transmission Line
	Farm subdivisions
	Farms
	Sub-stations
	Rivers
	National Roads
	Provincial Roads

1:50 000 Topographical base maps:  
 2428DC, 2429DC, 2429DB, 2429DA, 2429DB





PRINTED  
PAGE 1 OF 1

### TX RESULT REPORT

FUNCTION	No.	DESTINATION STATION	DATE	TIME	PAGE	COMM. TIME	MODE	RESULT
TX	1	0066479395	27 JUL	14:20	3	05:10:00	FM	OK

## **Appendix F: Environmental Management Programme (EMPr)**

**ESKOM Marble Hall NDP Project : Wolvekraal to Moutse  
Environmental Management Plan**

**I. OBJECTIVES OF THE ENVIRONMENTAL MANAGEMENT PLAN (EMP)**

- The Environmental Management Plan has the following objectives:
- To state the standards and guidelines which ESKOM will be required to adhere to in terms of environmental legislation;
  - To set out the mitigation measures and environmental specifications which ESKOM will be required to implement for the construction phase of the project in order to minimize the extent of environmental impacts, and where possible to improve the condition of the environment;
  - To provide guidance regarding the method statements which ESKOM will be required to compile and implement to achieve the environmental specification;
  - To define corrective actions which ESKOM must take in the event of non-compliance with the specifications of this EMP;
  - To mitigate potential negative impact associated with the project and ensure optimising of positive impact
  - To prevent long-term or permanent environmental degradation;
  - To ensure that the applicant, construction workers and the operational and maintenance staff are well acquainted with their responsibilities in terms of the environment;
  - To ensure that communication channels to report on environment related issues are in place.

**II. DETAILS OF THE PERSON WHO PREPARED THE EMP**

This Environmental Management Plan was prepared by Landscape Dynamics cc, an environmental consultancy firm, established in May 1997. Their core business involves the execution of Environmental Impact Assessments that include the compilation of Environmental Management Plans for all of these projects. The team member responsible for this project and the completion of the EMP is Annelize Grobler, a qualified landscape architect specialising in the field of environmental impact assessments.

**III. DETAILS OF THE PROPOSED ACTIVITY**

The project entails the construction of an approximately 42 km 132kv powerline from the existing Wolvekraal Substation to and including a new Moutse Substation with communication tower. The applicant is ESKOM Holdings Limited, Land Development. The contact person is the Senior Environmental Manager in the Eskom Distribution, Witbank office

**IV. LEGAL REQUIREMENT**

The applicable legislation in terms of the environment refers to procedures prescribed by the provisions of the Environmental Impact Assessment Regulations, 2010, made under Section 24 (5) of the National Environmental Management Act, 1998 (Act No 107 of 1998).

The relevant applicable activities for which environmental authorisation had been applied are :

<p>The construction of facilities or infrastructure for the transmission and distribution of electricity outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts. A 132kV power line is being proposed.</p>	<p>Nr 10</p>	<p>R544, 18 June 2010</p>
<p>The transformation of undeveloped, vacant or derelict land to industrial or institutional use, outside an urban area and where the total area to be transformed is bigger than 1 hectare but less than 20 hectares; except where such transformation takes place for linear activities. A substation on a site of approximately 100mX150m is planned as part of the application.</p>	<p>Nr 23</p>	<p>R544, 18 June 2010</p>

**V. DETAILS OF PERSONS RESPONSIBLE FOR IMPLEMENTATION OF EMP**

The following undertaking must be filled out and signed by the applicant and forwarded to DEA prior to commencement of construction:

**AGREEMENT & UNDERTAKING OF THE APPLICANT**

I hereby confirm and state that I am aware of the contents of the Environmental Management Plan and the conditions of the Environmental Management Plan and shall comply with all legislation pertaining to the nature of the work to be done and all things accidental thereto.

Signed on behalf of \_\_\_\_\_

Date: \_\_\_\_\_

Place: \_\_\_\_\_

Signature: \_\_\_\_\_

Full Name: \_\_\_\_\_

Postal Address: \_\_\_\_\_

Physical Address: \_\_\_\_\_

Office Telephone Number: \_\_\_\_\_

**AGREEMENT & UNDERTAKING OF THE ECO**

The following details of the ECO must be filled out, signed and forwarded to DEA prior to construction:

Specifications and conditions are hereby provided to limit and/or prevent impact on these components during all the phases of project development, namely

- Specifications applicable throughout all Phases of Project Development
- Design & Pre-construction Phase
- Construction Phase
- Post-construction & Operational Phase

Key impacts generally associated with ESKOM construction activities as again confirmed during the course of the Environmental Impact Assessment process undertaken for this project are:

- Impact on natural habitat
- Impact on birds
- Impact on cultural heritage resources
- Visual Impact
- Risk of surface and groundwater pollution
- Risk of erosion
- Community Impact

#### V. PROPOSED MECHANISM FOR COMPLIANCE

Company Name: \_\_\_\_\_  
Contact Person(s): \_\_\_\_\_  
Physical Address: \_\_\_\_\_  
Street Address: \_\_\_\_\_  
Office Telephone Number: \_\_\_\_\_  
Cell phone Number: \_\_\_\_\_  
Fax Number: \_\_\_\_\_



**SPECIFICATIONS APPLICABLE THROUGHOUT ALL PHASES OF PROJECT DEVELOPMENT**

**Roles and Responsibilities**

**ESKOM**

- ESKOM is the applicant for the project. ESKOM will therefore be the entity monitoring the implementation of the EMP. The Contractor whom the construction tender will be awarded to will in terms of the tender documentation, be responsible to implement the proposed mitigation measures in this EMP on ESKOM'S behalf. ESKOM will:
  - Be responsible for the overall implementation of the EMP in accordance with the requirements of the environmental authorisation, issues by DEA.
  - Ensure that all third parties who carry out all or part of ESKOM'S obligations under the Contract comply with the requirements of this EMP.

**Environmental and Health Training and Awareness**

- ESKOM will ensure that its employees are adequately trained with regard to the implementation of the EMP, as well as regarding environmental legal requirements and obligations. All employees should have an induction presentation on environmental awareness. Where possible the presentation will be conducted in the language of the employees. The environmental training should, as a minimum, include the following:
  - The importance of conforming with all environmental policies, procedures, plans and systems;
  - The significant environmental impacts, actual or potential, which could result from their work activities;
  - The environmental benefits of improved personal performance;
  - The roles and responsibilities in achieving conformance with the environmental policy and procedures, including emergency preparedness and response requirements;
  - The potential consequences of departure from specified operating procedures
  - The mitigation measures to be implemented when carrying out their work activities;
  - The importance of not littering;
  - The need to use water sparingly;
  - Details of, and encouragement to, minimising the production of waste and re-use, recover and recycle waste where possible;
  - Details regarding archaeological and/or historical sites which may be unearthed during construction, and the procedures to be followed should these be encountered;
  - The procedures which should be followed should a grave or any other archaeological finds be encountered or unearthed during the construction phase;
  - Details regarding flora and fauna of special concern, including protected/ endangered plant and animal species, and the procedures to be followed should these be encountered during construction.

**Emergency Preparedness**

- ESKOM'S environmental emergency procedures ensure that there will be an appropriate response to unexpected or accidental actions or incidents that will cause environmental impacts, throughout the life cycle of the project. Such incidents may include, inter alia:
  - Accidental discharges to water and land;
  - Accidental exposure of employees to hazardous substances;
  - Accidental fires;
  - Accidental spillage of hazardous substances;
  - Specific environmental and ecosystem effects from accidental releases or incidents

### The Emergency Preparedness Plan

- Construction employees shall be adequately trained in terms of incidents and emergency situations.
- An emergency preparedness plan will include details of the organisation (manpower) and responsibilities, accountability and liability of personnel.
- The emergency preparedness plan shall include a list of key personnel.
- Details of emergency services (e.g. the fire department, spill clean-up services, etc.) shall be listed.
- Internal and external communication plans, including prescribed reporting procedures shall be listed.
- Actions to be taken in the event of different types of emergencies shall be included.
- Information on hazardous materials, including the potential impact associated with each, and measure to be taken in the event of accidental release shall be listed.
- Training plans, testing exercises, and schedules for effectiveness shall be included.
- ESKOM will comply with the emergency preparedness, and incident and accident-reporting requirements, as required by the Occupational Health and Safety Act, 1993 (Act No 85 of 1993), the National Environmental Management Act, 1998 (Act No 107 of 1998), the National Water Act, 1908 (Act No 36 of 1998) and the National Veld and Forest Fire Act, 1998 (Act No 101 of 1998) as amended, and/or any other relevant legislation.

### Spillages

- Streams, rivers and dams will be protected from direct or indirect spillage of pollutants such as refuse, garbage, cement, concrete, sewage, chemicals, fuels, oils, aggregate, wash water, organic materials and bituminous products.
- In the event of a spillage during the construction phase, the responsibility for spill treatment will be with ESKOM and ESKOM will be liable to arrange for competent assistance to clear the affected area.
- ESKOM will compile and maintain environmental emergency procedure, to ensure that there will be an appropriate rapid response to unexpected or accidental environmental related incidents throughout the life cycle of the project.
- The individual responsible for, or who discovers a hazardous waste spill must report the incident to the Engineer.
- The Engineer will assess the situation in consultation with the SECO and act as required in all cases, the immediate response will be to contain the spill. The exact treatment of polluted soil/water will be determined by the Engineer in consultation with the SECO. Areas cleared of hazardous waste will be re-vegetated.
- Should water downstream of the spill be polluted, and fauna and flora show signs of deterioration or death, specialist hydrological or ecological advice must be sought for appropriate treatment and remedial procedures to be followed. The costs of containment and rehabilitation will be for ESKOM's account, including the costs of specialist input.

### During an emergency situation, the following will apply

- No person shall be allowed to approach a spill, fire, etc. unless he/she is equipped with the personal protective clothing and equipment.
- The risk involved shall be assessed before anyone approaches the scene of the incident with the emergency response plan.
- A written report shall be and forwarded to the relevant environmental authority within 24 hours of the incident.
- Any known or discovered spillage of toxic substances into a stream or river should be followed by immediate monitoring of the receiving streams and rivers.

- **Incident Reporting and Remedy**

If a leakage or spillage of hazardous substances occurs as a result of ESKOM's activities or other users, the local emergency services will be immediately notified of the incident. The following information must be provided:

- The location;
- The nature of the load;
- The status of the site of the accident itself (i.e., whether further leakage is still taking place, whether the vehicle or the load is on fire, etc.).

Written records of the corrective and remedial measures decided upon, and the progress achieved therewith over time, must be kept. Such progress reporting will be important for monitoring and auditing purposes. The written reports may be used for training purposes in an effort to prevent similar future occurrences.

- **Fires**

- The adjacent landowners will be informed and/or involved in case of any fire.
- It must be ensured that the basic fire fighting equipment is supplied to all living quarters, site offices, kitchen areas, workshop areas and stores.
- Welding gas cutting or cutting of metal will only be allowed inside the working/demarcated areas and with appropriate fire fighting equipment at hand.

- **Checking and Corrective Action**

***Non-compliance***

Non-compliance with the specifications of the EMP constitutes a breach of Contract for which ESKOM must be immediately notified accordingly. ESKOM will be deemed not to have complied with the EMP if;

- There is evidence of contravention of the EMP specifications within the boundaries of the construction site, site extensions and access roads;
- There is contravention of the EMP specifications which relate to activities outside the boundaries of the construction sites;
- Environmental damage ensues due to negligence;
- Construction activities take place outside the defined boundaries of the site;
- ESKOM fails to comply with corrective or other instruction.

Non-compliance will be dealt with in terms of the contract documentations signed by the various parties.

- **Monitoring**

Monitoring will be undertaken as and when required. Any incidents that might have a detrimental impact on the environment will be investigated and the environmental monitoring will be conducted. Complaints received will be checked through verifiable monitoring.

- **Inspections**

Ongoing visual inspections will be conducted daily by the SECO. The SECO will spend time on site on the lookout for any unsafe acts and activities that transgress the requirements as specified in the EMP to define what action shall be taken to rectify the problem and prevent its reoccurrence.

- **Written instructions**

Written reporting will be given following an audit. The written instructions will indicate the source or sources of the problems identified on site and propose solutions to those problems. The implementation to solutions will be assessed in a follow-up audit and further written instructions issued if required. Maximum allowable response time is 4 working days.

- **Liaison**

ESKOM will comply with the requirements for public consultation as required by the National Environmental Management Act, 1009 (Act No 107 of 1998).

Throughout the project, ongoing liaison will be maintained with authorities and communities alike to ensure that the following is affected;

- Timeous advanced warning of any project activities that may have some impact on the surrounding communities i.e. blasting.
- Ongoing feedback on the environmental performance of the project.
- A complaints' register needs to be opened and maintained by the SECO. The register will contain the contract details of the person who made complaints and information regarding the complaint itself, including the date of submission.

## **SITE ENVIRONMENTAL CONTROL OFFICER**

ESKOM will nominate a knowledgeable member of staff on site who will be responsible for the implementation of the Environmental Management Plan as well as the arrangement and maintenance of all traffic accommodation measures required for the duration of the contract. The SECO will oversee the construction phases of the project and will ensure that all environmental specifications and EMP requirements are met at all times. The SECO will report to the Engineer in an advising capacity.

The SECO will be responsible for monitoring, reviewing and verifying ESKOM'S compliance with the EMP. The SECO's duties in this regard will include, inter alia, the following:

- Ensuring that all the environmental authorisations and permits required in terms of the applicable legislation have been obtained prior to construction commencing;
- Monitoring and verifying that the EMP and environmental authorisation are adhered to at all times and taking action if specifications are not followed;
- Monitoring and verifying that environmental impacts are kept to a minimum;
- Assisting ESKOM in finding environmentally responsible solutions to problems;
- Keeping accurate and detailed records of all activities on site;
- Inspecting the site and surrounding areas on a regular basis with regard to compliance with the EMP and environmental authorisation;
- Monitoring ESKOM's undertaking to provide environmental awareness training for all new personnel on site.

## **ENVIRONMENTAL CONTROL OFFICER**

- An independent Environmental Control Officer (ECO) must be appointed by ESKOM prior to commencement of construction and DEA must be notified of such an appointment.
- The key responsibility of the ECO is to ensure that all the conditions stipulated in the Environmental Authorisation (EA) are being adhered to and should monitor project compliance with the conditions of the Environmental Authorisation, environmental legislation and the recommendations of the EMP.
- The ECO must liaise with the SECO and/or attend site meetings where applicable and where necessary inspect the construction site on a regular basis to ensure that the mitigation and rehabilitation measures are applied.
- The ECO might make reasonable amendments to the EMP in co-operation with the contractor and the SECO. Penalties for non-compliance must be enforced.
- The ECO shall remain employed until all rehabilitation measures, as required for implementation due to construction damage, are completed and the site is handed over to ESKOM by the contractor for the operation.

- Any conservation authority/institution as listed in the List of Interested and Affected Parties for the project should be allowed reasonable access to the construction site on request and arrangement with the ECO, the SECO and the Contractor.

## DEPARTMENT OF WATER AFFAIRS

This Department of Water Affairs has confirmed rights to inspect the project at any time to ensure compliance with relevant legislation.

## SITE SPECIFIC REQUIREMENTS

The SECO and the Contractor will visit each landowner prior to commencement of construction on his/her property. The list of specific requirements tabled below will be confirmed as well as any site specific issues relating to the relevant properties.

The following will specifically be confirmed:

- Access route.
- Locality of ESKOM gates.
- Relevant width of servitude clearing required (minimum 4 meters and maximum 70 metres).
- Magnitude of servitude clearing; i.e. selective clearing according to minimum requirements or clearing of entire servitude.
- Method of clearing; i.e. manually and/or with herbicides (no bulldozers will be allowed on any property in the absence of a written agreement between the landowner and ESKOM).
- Confirm specifically whether herbicide may be used for bush clearing and maintenance purposes.
- Confirmation must be received in terms of what should happen with tree cuttings. For instance should it be stacked on the property for firewood (if so, where) or should it be removed.

Note that all gates will, as per requirement confirmed during the Community Consultation Process for this project, be proper game gates. This includes all gates that need to be replaced as well as new gates.

The following specific requirements as identified during the EIA process (communicated by the landowners as well as identified in the specialist investigations) need to be taken due cognizance of and proposed mitigatory measures have to be implemented:

- A detailed schedule (inclusive of postal addresses and/or fax and e-mail numbers) of affected landowners and other key stakeholders are included as the Register of Affected Landowners in Appendix G of this document.
- The applicable Emergency telephone numbers should always be available on site. It is advised that the contact details of Agri South Africa as well as the District Agricultural Union also be kept at hand for emergency purposes.
- A copy of this EMP must be submitted to relevant landowners should they request it. They can assist ESKOM in assuring that the contractor adheres to rules as stipulated and that mitigation and rehabilitation measures are applied.
- In order to prevent and/or minimise crime, it is required that all construction workers be supplied with controlled serviced accommodation or be supplied with transport to their homes.
- Construction workers should wear clearly identifiable clothing that allows for easy recognition of contract workers on site.

Specific statements and requirements from the directly affected landowners that require appropriate consideration and adherence are the following :

Mr LJ De Beer (Landowner Portion 1050 Loskop-Noord 12-JS, Chairman of the Geloftefees Komitee)

He confirmed that they do not object against the proposed powerline, however, it is important that the line must not be situated closer than 100metres from the community hall. Alternatively the land may be purchased at a price of R3,6 million.

Mr Johan Cillie (Portion 6 of Tambiotielaagte 733-KS, Marsonita)

He stated that it is a requirement that there must be a new electrified game fence erected on the eastern side of the servitude. The entire servitude must be cleared and the wood must be stacked for his use in an area to be indicated once specific negotiations take place.

*Mr Cillie was informed by the Environmental Consultants that no promises could be made in terms of the requirement for an electrified game fence, however, all the requirements would be forwarded to AMP Negotiators, Ms Anne-marie Barnard, who would negotiate reasonable terms on behalf of Eskom.*

Mr PJ Van Heerden (Portion 785 of Loskop-Noord 12-JS)

He had the following requirements :

- the powerline must be high enough so that it could not interfere with giraffes
- wood from debushing and maintenance must be placed in neat piles for his use
- he must be informed everytime before Eskom requires access to his property
- all alien invasive plants, specifically the 'blouhaak' in the servitude area must be controlled
- he requires that contact details (name and telephone numbers) of an Eskom representative and the construction team be provided to him
- he requires that no excavations may be left open for longer than 12 hours
- Construction may only take place between 07:00 in the mornings and 17:00 in the afternoons on normal working days. No contractors would be allowed over week-ends.

Mr Deon Hough, also on behalf of his brother Joggie (Portions 890 and 1085 Loskop-Noord 12-JS)

Mr Hough confirmed that the powerline could run along his fence as proposed to him. He also requested that, except for a selective few trees to be indicated on site to Eskom, the servitude should be cleared completely. He also requested that the sicken bush must be removed from the servitude area and must be stacked in a place to be indicated to Eskom to ensure that tyres would not be affected.

Mr Eric van Rensburg (Portion 0 of Grysbank 5-JS)

The powerline must be high enough so that his giraffes would not be affected. The proposed Distribution line must run as close as possible to the border fence and the proposed Eskom Transmission Line. Once the Eskom Transmission line turns towards the north, the Distribution line towards the west must move closer to the fence line.

Mr JA De Bruyn (Portion 786 of Loskop-Noord 12-JS)

Mr De Bruyn was concerned that the proposed line would impact on the land value of his property and that purchasers are not interested in land with Eskom servitudes thereon. He stated that nothing would prevent Eskom from constructing further lines on his property.

*The negotiator on behalf of Eskom must ensure the best reasonable compensation possible.*

Mr Fanie Oosthuizen (Portion 351 of Loskop-Noord 12-JS)

He requested that only selective bushing must be done and that the wood must be stacked in a place determined by him for his use. No contractors or personnel may hunt or place animal traps on his property. Access would be allowed on his property only during normal working hours. All communication must be done via his daughter Mrs Suzette Potgieter, tel 082 498 4776.

Mr Neil Rex, Undara Investments (represented by Lokisa Environmental Consultants) (Portion 9 of Tambotielaagte 733-KS)

They require that the line may not impact on their existing dam with associated birdlife; vulture breeding nests; game (sable antelope, buffaloes, and potentially rhino's in the near future), as well as their hunting lodge. They also require that reasonable consideration be given to the removal of some of the existing 11kV lines and structures that are no longer required on their property. Reasonable compensation in terms of the servitude and reasonable servitude requirements must be negotiated with them.

## DESIGN AND PRE-CONSTRUCTION PHASE

### ENVIRONMENTAL SUPERVISION

ESKOM Distribution, the SECO and the ECO must inspect the construction site on a regular basis (during pre-construction, construction and post-construction periods) to confirm the current state of the site and to ensure that the mitigation and rehabilitation measures are applied as specified in the EMP. These officers might make reasonable amendments to the EMP in co-operation with the contractor.

### DESIGN

- The engineering drawings must adhere to any site-specific mitigation measures supplied by a geotechnical engineer for the project in order to accommodate the geotechnical and earth-scientific constraints in terms of founding and construction methods, construction materials, excavation, etc.
- The final design of the powerline must accommodate the requirements of the landowners as communicated during the Community Consultation Process to be confirmed during servitude discussions between ESKOM and the affected landowners.
- The final design of the powerline must accommodate the requirements of the ecologist, Dr LH Brown, tel 082 464 1021.
- The pylons must be placed outside the 1:100 year floodline level or outside 32 metres from the centre line of the river or stream, whichever is the largest distance, at all river and stream crossings along the powerline route. The Elands River is of specific importance in the study area of this for this project.
- A Heritage Impact Assessment was undertaken by Archaetnos Culture & Cultural Resource Consultants (Dr. A.C. van Vollenhoven & Anton J. Pelsler - 083 291 6104). No sites of archaeological significance were identified.
- The design of the structures should also accommodate mitigation measures to minimise risk to the **bird impact** (as per specifications of Mr Chris van Rooyen, tel 082 454 9570). Sufficient funds must be budgeted for to implement these requirements that are the following :
  - For the restriction and/or prevention of bird colliding with earth wire
    - The spans that run parallel to and cross the Elands River must be marked with bird flight diverters on the earth wire of the line, five metres apart alternating black and white (refer to the Sensitivity Map in Appendix B of the Bird Impact Study included in the Final Basic Assessment Report for the area to be marked).
  - For the restriction and/or prevention of electrocution of birds

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#### Environmental Management Plan

- In order to prevent the electrocution of any birds on the pylons, all pylons should be fitted with a standard type, ESKOM approved “bird perch” at the top of the pole. This will provide ample safe perching space for any birds well clear of the dangerous hardware. It will draw particularly vultures away from the potentially risky insulators to reduce the chance of electrocution.
- For the restriction and/or prevention of disturbance to birds and destruction of their habitat
  - All dismantling, construction and maintenance activities must be carried out according to best environmental practice principles so as to minimise habitat destruction (see in this respect the ESKOM Environmental Procedure, EPC 32-96). In particular, care is to be taken not to impact on riverine vegetation in any way, and the unnecessary removal of large trees are not allowed (see also in this respect the Procedure for Vegetation Clearance and Maintenance within ESKOM owned land, EPC 32-247).
- ESKOM must strive to cause as little as possible damage to any agricultural products within the servitude area; i.e. through sensitive placement of pylons.
- The final route design must address potential risk to aircraft – due cognizance must be taken of private landing strips. Clear markers have to be placed on conductors in high risk areas.
- The proposed structure for the pylon must be a monopole galvanised structure that has been designed to limit visual intrusion.

## COMPLIANCE WITH SPECIFICALLY IDENTIFIED LEGAL REQUIREMENTS

### The National Water Act (Act No 36 of 1998)

It is envisaged that all pylons will be constructed outside the 1:100 year floodline of all watercourses. It should however be noted that if it becomes required that any construction activities does have to take place within the 1:100 year floodline of a watercourse, authorisation from the Department of Water Affairs would be required before development may take place. Locality maps that show where the development will affect the watercourse as well as a description of how it would be affected need to be submitted to the relevant office together with the license application to undertake such a development. The applicable relevant activities are described as Section 21(i) as “Altering the bed, banks, course or characteristics of a watercourse” and Section 21(c) “Impeding or diverting the flow of water in a watercourse”.

The water use license applications, if applicable, have to be submitted to the Chief Director, Regional Office, Mpumalanga.

Additional information with the latest requirements in terms of water use applications are supplied on the Departments’ website, [www.dwae.gov.za](http://www.dwae.gov.za). Landscape Dynamics Environmental Consultants (tel 012 460 6043 / 082 566 4530) can also be contacted to handle the relevant water use license application(s).

### Forest Act (Act 122 of 1984)

- Some species of indigenous trees are present in the vicinity of the proposed powerline route and are protected by law in terms of the Forest Act (Act 122 of 1984). Authorisations for cutting, trimming or removing of these protected trees must be obtained prior to commencement of construction in the relevant area.
- Of specific importance as identified by the ecologist in this project is the occurrence of the protected *Scieracarya birrea* and *Spirostachys africanus* that occur close to the fence line in



the proposed vicinity of the power line on the game farms along the western section of the proposed line.

- Once the final route for the powerline is pegged a survey of protected trees must be conducted. All trees must be mapped with a GPS to ensure that necessary permits for removal, cutting or trimming are acquired before any construction can take place.
- Relevant permits should be obtained from the relevant provincial office of the Department of Agriculture, Forestry and Fisheries (previously referred to as the Department of Water Affairs). Enquiries regarding such permit applications can be made to the following addresses:

Assistant Director, Izak van der Merwe  
Tel: (012) 336 7731; Email: [1dq@dwaf.gov.za](mailto:1dq@dwaf.gov.za)

Or  
Assistant Director: Forest Regulation, Ephraim Monyemoratho  
Tel: (012) 336 7140 ; Email: [1ai@dwaf.gov.za](mailto:1ai@dwaf.gov.za)

- Due cognisance must be taken of the latest forms and regulations currently available on the following website link : <http://www2.dwaf.gov.za/webapp/SustainableProtectedTrees.aspx>
  - Application for a license regarding Protected Trees
  - Protected Trees Species list, 2007
  - Criteria & Framework for application of Legislation on Protection of Indigenous Tree Species, 2000

#### The Conservation of Agricultural Resources Act, 1983 (Act No 43)

- Alien and/or invasive species could be divided into three categories, namely Category 1 (must be removed); Category 2 (must be removed or a permit must be obtained); and Category 3 (permit must be obtained to trade with these species).

#### The National Heritage Resources Act (Act 25 of 1999)

- The South African Heritage Resources Agency, generally requires that, in the unlikely event that any graves are discovered during the construction period, they be left *in situ*, avoided by the proposed development. The graves should be restored where these are dilapidated, protected and be conserved in perpetuity. A proper fence must be built around them including entry gates to allow visitors and family friends. The fence must be placed 2 metres away from the perimeter of the graves. No development is allowed within 15m from the fence surrounding the graves.
- Should any evidence of artifacts, palaeontological fossils, graves or other heritage resources be found during the course of the development, SAHRA must immediately be alerted. The contact details are :

The APM Unit : South African Heritage Resources Agency  
For attention : Mr Philip Hines  
Tel; 021 462 4502  
Fax : 012 462 4509

All development activities must be halted and SAHRA would probably require that an archaeologist accredited with the Association for Southern African Professional Archaeologist (ASAPA) be appointed to determine appropriate mitigation measures for the discovered finds. This may include obtaining the necessary authorisation (permits) from SAHRA to conduct the mitigation measures.

## COMMUNITY ISSUES

- ESKOM representatives must liaise personally with all directly affected landowner prior to any construction activities taking place. The objectives of this liaison will be the following :
  - To identify the most effective time schedule for construction activities to take place on the applicable properties;
  - To confirm site-specific requirements as identified during the EIA process;
  - To identify any additional site-specific issues with reasonable mitigatory measures that had not been identified and documented during the Public Participation Procedures of the Basic Assessment process undertaken for this project;
  - To update the contact details of affected landowners in case that access to properties are required for both maintenance and emergency situations;
  - To confirm contact details of the Contractor and ESKOM representatives to ensure effective communication during the construction and operational phases of the project.

## EDUCATIONAL PROGRAMMES

An environmental education programme should be followed to ensure that the construction workers are well aware of relevant issues such as

- the purpose of conservation of the natural environment;
- the restriction on cutting of firewood from the veld;
- pollution control and waste management;
- Rules to curb social pathologies (prostitution, drunkenness, theft);
- HIV/Aids prevention.

## CONSTRUCTION SITE

- Accommodation for labourers must either be limited to guarding personnel on the construction site (with labourers transported to and from existing neighbouring towns) or a separate fenced and controlled area where proper accommodation and relevant facilities are provided.
- The location of the construction site must be negotiated with the relevant landowner and specifications of the landowner must be adhered to.
- The construction site office and storage areas for material and equipment must be fenced in to prevent impacts and human interference to spread further than the site.
- Storage facilities for construction equipment must be provided for.
- Encourage the construction contractor to employ local people as far as is reasonably practical and encourage the contractor to transport them daily to and from the site. This would reduce solid and liquid waste production and water demand at the site camps.
- Contractors should develop a comprehensive site camp management plan. This should apply even in the case of the limited accommodation camps discussed above.
- Plan site campsites an appropriate distance from any facility where it can cause a nuisance.
- Minimise on-site storage of petroleum products.
- Ensure proper maintenance procedures in place for vehicles and equipment.
- Servicing of vehicles to be in designated areas with appropriate spill management procedures in place.
- Ensure measures to contain spills readily available on site (spill kits).
- Sufficient ablution and proper cooking facilities must be provided at the site camp.
- Deposit solid domestic waste in containers and dispose at municipal waste disposal sites regularly.
- Dispose of liquid waste (grey water) with sewerage.
- Install appropriate facilities at the campsite. Preferably utilise municipal systems (conservancy tanks with periodic removal) or chemical toilets.

- Chemical toilets should be located outside the 1:100 year flood line level or 100m horizontal distance (whichever is the largest) from any watercourse.
- Ensure compliance with stringent daily clean up requirements of site camp inert waste (waste concrete, reinforcing rods, waste bags, wire, timber etc) and dispose at municipal waste disposal sites.
- Fire breaks must be constructed on the inside perimeter to prevent fires from spreading from the site as well as fires entering the site from adjacent land in accordance with the ESKOM Standard SCSASAAJ6: Rev 0, Distribution of Fire Risk Management.

## **FIRE MANAGEMENT PLAN**

A fire management plan must be identified, implemented and maintained, commencing prior to construction and maintained throughout the operational phase. The following additional measures must be included:

- No fires may be made for the burning of vegetation and waste.
- No open fires are to be made on site – cooking facilities must be provided.
- No firewood may be collected.
- Fire fighting equipment must be readily available on site during all times.
- Branches and other debris resulting from pruning processes should not be left in areas where it will pose a risk to infrastructure.
- Fires shall not be made for the purpose of chasing or disturbing indigenous fauna.

## **APPOINTMENT OF CONTRACTORS**

- Environmental clauses as referred to in this EMP should be included in contract documents of all contractors.
- All identified site specific measures in terms of community requirement, the ecology and bird impact for the specific property must be included in the contract with the Contractor and implemented by the Contractor during the construction phase.
- The appointment of contractors with proven track records of sound environmental performance should be given priority.
- The Contractor must ensure that the majority of unskilled labour is obtained from the local residents in the macro area.
- The contractor must ensure that he is well aware of the implications of and must ensure compliance with the following legal requirements, guidelines and policies:
  - All relevant ESKOM standards, specifications and procedures to manage the significant aspects with regards to oil management, bush clearing, entrance of private property, etc.
  - Requirements in terms of removing cutting and/or trimming of protected trees in terms the Forest Act (Act 122 of 1984).
  - All Sections and Regulations of the National Water Act, 1998(Act 36 of 1998) must be complied with; specifically specifications as described in Section 19 on Pollution and Waste.
  - Environmental Best Practice Guidelines and Specifications, compiled by the Department of Water Affairs
  - Legislation with regard to graves that is included in the National Heritage Resources Act (No 25 of 1999). It should be noted that the act also distinguishes between various categories of graves and burial grounds. Other legislation with regard to graves includes those which apply when graves are exhumed and relocated, namely the Ordinance on Exhumations (No 12 of 1980) and the Human Tissues Act (No 65 of 1983 as amended).
- The contractor must be aware that all waste material generated during and after construction should be disposed of at a permitted landfill site and an agreement letter between the

municipality and the contractor should be submitted to the regional office of the Department of Water Affairs regarding the disposal of such waste material.

## CONSTRUCTION PHASE

### GROUND AND SURFACE WATER

- Site specific mitigatory requirements as included in the table in the section "Specification applicable to all Phases of Project Development" must be adhered to.
- In all cases, abstraction of water for construction purposes will require a permit from the Department of Water Affairs unless pre-existing rights are purchased from farmers. This is however not expected to be necessary for this project because water will be transported to the site in a water cart.
- No wetlands may be affected as a result of the construction activities. The route of the power line had been identified in such a manner that wetland areas would not be affected.
- At the crossing of the Elands River, the pylons must be placed outside the 1:100 year floodline level or 32 metres from the centre line of the river, whichever is the largest distance.
- Under no circumstances must surface or ground water be polluted.
- Adequate oil containment precautions must be taken.
- If a spill from a construction vehicle occurs it must be reported to the SECO and/or ECO with immediate effect. A bio-remediation contractor must be appointed to rehabilitate large oil spills. Small oil spills must be cleaned immediately with an oil spill kit.
- Minimise on-site storage of petroleum products.
- Bund storage tanks to 120% of capacity.
- Ensure proper maintenance procedures in place for vehicles and equipment.
- Servicing of vehicles to be in designated areas with appropriate spill management procedures in place.
- Ensure that measures to contain spills are readily available on site (spill kits).
- All hazardous substance spills must be reported, recorded and investigated.
- All stormwater runoff must be managed efficiently so as to avoid stormwater damage and erosion to adjacent properties.
- During and after construction, stormwater control measures should be implemented especially around stockpiled soil, excavated areas, trenches etc. to avoid the export of soil into the watercourse.
- Stormwater should not be discharged into the working areas and it should be ensured that stormwater leaving the footprint of the proposed development areas is not contaminated by any substance, whether that substance is solid, liquid, vapor or any combination thereof.
- Stockpiling of construction material and soils should be such that pollution of water resources is prevented and that the materials will be retained in a storm event.
- Drinking water and water for ablution facilities must be provided to all construction workers on the construction site.
- If pollution of any surface or groundwater occurs, the Regional Representative of the Department of Water Affairs as well as the SECO must be informed immediately.

## WASTE MANAGEMENT

- Expected constructed waste (unused steel, conductor cables, cement or concrete) and general waste around the construction site (plastic, tins and paper) may degrade the environment if not disposed in the correct manner.
- Littering or illegal dumping of any waste material is prohibited. No waste disposal holes may be made on site. Under no circumstances should waste be burnt on site.
- Littering must be prevented by the placement of bins at various points within the construction corridor. These bins must be emptied on a regular basis.
- Provision must be made for the collection of all waste materials.
- Deposit solid domestic waste in containers and dispose at municipal waste disposal sites regularly.
- Dispose of liquid waste (grey water) with sewerage.
- Portable ablution facilities must be placed within the construction servitude and must be serviced by registered companies only and on a regular basis. No effluent to be dumped in the veld and the use of the open veld for ablution is prohibited. There should be one toilet for every fifteen workers.
- Oil contaminated waste (soil, cloths used to clean small spills, etc.) must be disposed of at a facility that is registered as a hazardous landfill.
- All hazardous substances at the site must be adequately stored and accurately identified, recorded and labelled. All these hazardous substances should be disposed of at a licensed Class H site.
- Rubbish bags must be provided on the construction site as well as along the route to prevent littering.
- Ensure compliance with stringent daily clean up requirements of site camp inert waste (waste concrete, reinforcing rods, waste bags, wire, timber etc) and dispose at municipal waste disposal sites.
- All waste materials must be removed to a registered dumping site, keeping in mind that different waste materials require different waste sites.

## PREPARATION OF SERVITUDE / VEGETATION CLEARANCE

- Site specific mitigatory requirements as included in the table in the section "Specification applicable to all Phases of Project Development" must be adhered to.
- The procedures for vegetation clearance and maintenance within overhead powerline servitudes and on ESKOM owned land, updated September 2009 must be implemented.

The minimum standards are summarised as a guideline as follows:

<i>Item</i>	<i>Standard</i>	<i>Follow up</i>
<i>Centre line of proposed powerline</i>	Specification for width of vegetation clearance on new lines (above 33kV) shall be determined based on the EIA and EMP. New powerline 33kV and below an 8 metre (or as determined per site) wide strip of identified vegetation along the centre line should be cleared. If Required, 5 meter wide strip to be cut close to the ground (50 mm) for access purposes.	Re-growth shall be cut within 50 mm of the ground and/or treated with herbicide as necessary.
<i>Inaccessible valleys (trace line)</i>	If no other alternative, clear a 1 metre strip for access by foot, only for the pulling of a pilot wire by hand, or make use of a helicopter, or other technique, to fly line across.	Vegetation not to be disturbed after initial clearing – vegetation to re-grow.
<i>Tower position and support/stay wire</i>	Clear all vegetation within proposed tower position and within a maximum (depending on the tower type and	Re-growth to be cut at ground level and treated

<i>position</i>	voltage) radius of 5 m around the position, including de-stumping /cutting stumps to ground level, treating with an herbicide and re-compaction of soil.	with herbicide as necessary.
<i>Indigenous vegetation within servitude area (outside of the maximum 8 m strip)</i>	Selective trimming or cutting down of those identified plants interfering or posing a threat to the integrity of the powerline. See Annex B and D relating to MVCDs (minimum vegetation clearance distances)	Selective trimming
<i>Alien species (Declared Weeds ito CARA Reg 229) within servitude area (outside of the maximum 8 m strip)</i>	Control programme to be implemented as per above procedure. Trimming need not be selective.	Cut and treat with appropriate herbicide.

- Indigenous vegetation which does not interfere with the safe operation of the powerline should be left undisturbed.
- Where clearing for an access and maintenance road is essential, the maximum width to be cleared is 8m. Existing access roads along the existing servitude should be used as far as possible.
- Clearing for pylon positions must be the minimum required for the specific tower, not more than a 5m radius around the structure position.

## CONTROL OF ALIEN VEGETATION

- Alien vegetation in servitudes shall be managed in terms of the Regulation GNR.1048 of 25 May 1984 (as amended) issued in terms of the Conservation of Agricultural Resources Act, Act 43 of 1983. In terms of these regulations, ESKOM shall "control" i.e. to combat Category 1, 2 and 3 plants to the extent necessary to prevent or to contain the occurrence, establishment, growth, multiplication, propagation, regeneration and spreading such plants within servitude areas or land owned by ESKOM. Due to the nature of alien vegetation, a control programme for alien vegetation control must be implemented. The implementation thereof could be more frequent than the three year interval recommended for indigenous vegetation. Alien vegetation can grow at rates significantly faster than 1 meter per year.
- The use of herbicides shall be in compliance with the terms and conditions of The Fertilisers, Farm Feeds, Agricultural Remedies and Stock Remedies Act, 1947 (Act 36 of 1947).

## PROTECTION OF FAUNA AND FLORA

- No animals or birds may be fed, disturbed, hunted or trapped as well as no plant material removed or stored if not part of identified vegetation clearance.
- Various species of indigenous trees and bush are protected by law in terms of the Forest Act No 122 of 1984, which stipulates that it is necessary to obtain a permit in order to cut them from the relevant provincial office of the Department of Agriculture, Forestry and Fisheries. As also referred to previously in this document, the protected *Scleracarya birrea* and *Spirostachys africanus* occur close to the fence line in the proposed vicinity of the power line on the game farms along the western section of the proposed line. These trees fall within the *Combretum apiculatum-Peltophorum africanum* woodland vegetation unit with a medium conservation value.
- Protected or endangered plant species that will be affected by the physical footprint of the powerlines or ancillary infrastructure and associated construction works should require the necessary permits to cut or remove them.

- The rescue of protected and endangered plants that can be replanted should be coordinated by the ECO in consultation with the provincial environmental authorities, and the appropriate post-construction rehabilitation measures must be implemented.
- The harvesting of medicinal plants, which may occur on the site prior to site clearance, should be coordinated by the ECO.

## SOIL EROSION

- To cause the loss of soil by erosion is an offence under the Soil Conservation Act, Act No 76 of 1969.) Access roads and site surfaces must be monitored for deterioration and possible erosion. Pro-active measures must be implemented to curb erosion and to rehabilitate eroded areas. All areas susceptible to erosion must be installed with temporary and permanent diversion channels and berms to prevent concentration of surface water and scouring of slopes and banks, thereby countering soil erosion.
- All cleared areas must be ripped and rehabilitated after construction. The top 200mm layer of topsoil must be removed and stockpiled in heaps not higher than 2m and replaced on the construction areas once the activities have been completed. The affected areas should be replanted with a grass mixture indigenous to the area.
- All vehicle movement must be along existing roads or tracks as far as possible.
- Construction during the dry months of the year should be considered in order to overcome the problems caused by excessive moisture.

## COMMUNITY ISSUES (SAFETY, SECURITY, NOISE, DUST, ETC.)

- All site specific mitigatory requirements in terms of farms access and control as required by individual landowners must be adhered to.
- Farm gates and fences must be left in the state it was found.
- Under no circumstances shall access be gained by cutting or "dropping" of fences. All gates shall be left closed and the ESKOM servitude gates shall be securely locked at all times.
- Construction workers must be extremely careful not to damage any property along the proposed route. Should any damage occur it should be reported to the Environmental Officer and repaired to the written satisfaction of the landowner.
- Removal of agricultural products is prohibited.
- No firewood may be collected without the landowner's permission.
- No fires are to be made on private property.
- In order to prevent and/or minimise crime, it is required that all construction workers be supplied with controlled serviced accommodation or be supplied with transport to and from their homes.
- No wandering on adjacent properties is allowed, unless written consent has been obtained from the relevant landowners.
- All adjacent landowners have to be informed of the blasting programme (if applicable) prior to any blasting taking place. Contractors must liaise personally with adjacent landowners. All communication in this regard must be documented. Blasting may only be undertaken by specialists in the field and should be limited to small localised areas. All relevant legislation must be adhered to.
- All contractors and construction workers will be issued with temporary permits to enter the property.
- All construction workers will be allowed only for specified day light hours. Transport should be made available by the Contractor to remove labourers from the site after working hours.

- Secure accommodation facilities must be provided for guarding personnel.
- Supervision of labourers must at all times take place.
- Construction hours will be restricted to specific periods that exclude Sundays and public holidays.
- Sweeping of construction sites, clearing of building rubble and debris and watering of construction sites (storage areas, roads, etc.) must take place at least once a day.
- All excavated areas must be clearly marked and barrier tape must be placed around them to prevent humans and animals from falling into them.

## POST-CONSTRUCTION & OPERATIONAL PHASE

### SOIL EROSION

- Specifications for topsoil storage and replacement to ensure sufficient soil coverage as soon as possible after construction activities as identified in the Environmental Management Plan must be implemented.
- All embankments (if any) must be adequately compacted and planted with grass to stop any excessive erosion and scouring of the landscape.
- After construction, all roads should be rehabilitated.
- The site must be rehabilitated and replanted with suitable, indigenous grass to prevent erosion.
- The eradication of alien vegetation should be followed up as soon as possible by replacement with indigenous vegetation to ensure quick and sufficient coverage of exposed soil.

### CONSTRUCTION SITE CLEARANCE

- After construction all building material, signs of excess concrete, equipment, houses, ablution facilities, building rubble, refuse and litter must be removed and cleaned up from the construction site as well as from the store room by the contractor.
- Items that can be used again should be recycled. Unusable waste steel and aluminium will be sold to scrap dealers for recycling at the ESKOM stores.
- Once construction is completed, the contractor has to obtain written consent from the relevant landowner that the construction site, construction areas, access routes, etc. are sufficiently and adequately rehabilitated to the landowners' satisfaction.

### COMMUNITY ISSUES

- All complaints received with regards to poor conduct of ESKOM personnel, malfunction of or damage to ESKOM structures, bird killings as a result of electrocutions and/or collisions, etc. will be investigated by ESKOM in cooperation with all the relevant stakeholders.
- The existing complaints structure must be revised by ESKOM and be updated on a regular basis and communicated with all the affected landowners to ensure effective response and service supply.
- A list of all names, telephone numbers and addresses of the relevant ESKOM employees, contractors and all affected landowners must be compiled and regularly updated and



distributed to everyone to ensure sufficient communication channels in case of emergency and where access is required for maintenance and debushing purposes.

- Once construction is completed, the contractor has to obtain written consent from the relevant landowners that the construction site, construction areas, access routes, etc. are sufficiently and adequately rehabilitated to the landowners' satisfaction.
- No wandering on adjacent properties is allowed, unless written consent has been obtained from the relevant landowners.

## **VEGETATION MAINTENANCE OF THE SERVITUDE**

- The document "ESKOM Environmental Procedure: Procedure for Vegetation Clearing and Maintenance within Overhead Powerline Servitudes and on ESKOM owned land", updated September 2007, must be implemented.
- Selective bush clearing must take place. Indigenous vegetation which would not interfere with the safe operation of the new Substation and the powerlines should be left undisturbed.
- A minimum rolling three year vegetation management programme should be promoted. This will allow effective identification, management and follow up of problematic vegetation.
- Alien vegetation in servitudes shall be managed in terms of the Regulation GNR.1048 of 25 May 1984 (as amended) issued in terms of the Conservation of Agricultural Resources Act, Act 43 of 1983. In terms of these regulations, ESKOM shall "control" i.e. to combat Category 1, 2 and 3 plants to the extent necessary to prevent or to contain the occurrence, establishment, growth, multiplication, propagation, regeneration and spreading such plants within servitude areas or land owned by ESKOM.
- Due to the nature of alien vegetation, a control programme for alien vegetation control must be implemented. The implementation thereof could to be more frequent than the three year interval recommended for indigenous vegetation. Alien vegetation can grow at rates significantly faster than 1 meter per year.

## **FIRE RISK MANAGEMENT**

- The existing complaints structure must be revised by ESKOM and be updated on a regular basis and communicated with all the affected landowners to ensure effective response and service supply.
- The contact details of all landowners affected as well as relevant ESKOM staff must be listed and updated regularly and be communicated with all the stakeholders to ensure effective communication in the case of emergencies such as veld fires.
- Fire breaks must be constructed on the inside perimeter to prevent fires from spreading from the site as well as fires entering the site from adjacent land in accordance with the ESKOM Standard SCSASAAJ6: Rev 0, Distribution of Fire Risk Management.
- Branches and other debris resulting from pruning processes should not be left below conductors or in areas where it will pose a risk to infrastructure.
- Debris shall not be burnt under any circumstances
- Fires shall not be made for the purpose of chasing or disturbing indigenous fauna.
- ESKOM encourages affected landowners and maintenance staff to participate in the Fire Protection Agency.

## **MONITORING PROGRAMMES**

- The Environmental Officer should inspect the construction site on a regular basis to ensure that the mitigation and rehabilitation measures are applied as specified in the Environmental Management Plan.

- Inspection of the servitude should include monitoring of the servitude line during the Post-Construction & Operational Phase to detect any potential erosion problems timeously. Mitigatory measures should immediately be identified and implemented by ESKOM in cooperation with the landowner.
- Any incidents resulting from ESKOM structures and operation that might have a detrimental impact on the environment will be investigated and measures, if applicable, will be identified in close cooperation with the affected parties and/or stakeholders and be implemented and monitored accordingly.
- ESKOM must at all times follow acceptable maintenance and operational practices to ensure consistent, effective and safe performance of the infrastructure.

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## **Appendix G: Other information**

- **Public Participation Programme**
  - PPP process followed
  - Newspaper advertisements
  - Proof of onsite notification
  - First Phase Notification Letter and Invitation to Open Day
  - Open Day attendance list (held on 2 March 2011)
  - Meeting held with the Zamenkomst Tribal Authority
    - Attendance Registrar
    - Notes on meeting
  - Register of Interested & Affected Parties
  - List of Directly Affected Landowners (for both Preferred and Viable Alternative Routes)
  
- **Landscape Dynamics Company Profile**

## PUBLIC PARTICIPATION PROCESS FOLLOWED

The procedures followed in the Public Participation Process (PPP) is based on the NEMA EIA Regulations which came into effect in August 2010 as well as the *Guideline for Public Participation in the EIA Process, 2010* as issued by the Department of Environmental Affairs.

The PPP that was followed is summarised below.

- **Advertising on site**  
On 1 September 2010 4x laminated notices in both English and Afrikaans were placed in the study area of the entire Marble Hall NDP Project. Notices directly relevant to the Wolvekraal Moutse project were placed at the following locations:
  - At the T-Junction of the R573 and the N11 in Marble Hall
  - At the existing Wolvekraal Substation Site
  - Along the N11 west of Marble Hall against a private game fence
  - At the entrance to the Toitskraal Laerskool
  - At the proposed entrance to the Moutse Substation Site
- **Advertising in the newspapers**  
Newspaper advertisements were placed in the *Beeld* on 10 September 2010 and in the *Loskop Loeie* on 17 September 2010.
- **Notification to Interested and Affected Parties (I&AP's)**  
The key stakeholders (i.e. municipalities, institutions as well as affected landowners) were notified in writing about the project. A First Phase Notification Letter regarding the proposed project with a request for input was compiled and distributed via fax, e-mail and post during October 2011.  
All I&AP's were also timeously informed of the Public Open Day via fax/e-mail/post during February 2011 with telephonic reminders prior to the Open Day.  
  
The List of Interested and Affected Parties that was added to throughout the course of the study is attached in Appendix G.
- **Public Open Day**  
A Public Open Day was held on Wednesday 2 March 2011 from 09:00 to 14:00 at the Laerskool Marble Hall in Skoolstraat, Marble Hall.

### Draft Basic Assessment Report

The Draft Basic Assessment Report (BAR) has been distributed for further public comment. The comment received during the initial advertising campaign (as described above), and the Consultant's response thereto are included in the BAR (Appendix E).

Copies of the Draft BAR had been made available to all I&AP's electronically where possible and had been left at a public venue accessible to all I&AP's. It had also been submitted to the following government departments / institutions:

- Department of Environment Affairs
- EIA Admin Office Limpopo Department of Environment Affairs
- Department of Water Affairs, Mpumalanga Region
- South African Heritage Resources Agency
- Ephraim Mogale (Marble Hall) Local Municipality

### Final Basic Assessment Report

All comments and concerns received as a consequence of the distribution of the Draft BAR will be addressed in the Final Basic Assessment Report. Registered I&AP's will be notified where and when the Final BAR will be made available for final public input before submission thereof to the Department of Environmental Affairs.

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# \* 'n Lepeljie lag vir die dag

17 September

posbus 1269 Marble Hall 0450; P O Box 1269 Marble Hall

## Die winter is verby

Die eerste tekens van die lente is sigbaar in ons vallei en daar is nou 'n jaar van meer dat jy

vaal, dor en dood gelyk het... verander na 'n oas...

Dalk beleef jy nou vir 'n jaar of meer dat jy

## Volksraad Verkiesings Kommissie (VVK) noui jou uit

In die internasionale erkende Volkerereg, word daar voorsiening gemaak vir selfbeskikking vir volke. Sels in die huidige regering se grondwet word daar voorsiening gemaak vir selfbeskikking. Dit kan egter net opgeëis word indien daar 'n volk is wat behoortlik deur 'n wetlike verkose liggaam verteenwoordig word. Hierdie liggaam moet deur die volk vir die volk gekies word.

Geen individue of organisasie kan die reg op selfbeskikking opëis nie. Die reg op selfbeskikking kan slegs namens 'n volk opgeëis en beding word deur diegene wat van die volk daartoe opdrag ontvang het, by wyse van 'n vry, regverdige en demokratiese Volksverkieing

- m.a.w. deur wetting verkose afgevaardigdes wat 'n mandaat om dit te doen, van die volk ontvang het.

So 'n verkiesing moet deur die volk self gereël en gefasiliteer word. Lede van die Volksraad sal deur die volk genomineer word en uit hierdie genomineerdes sal 7 Volksraadslede gekies word.

Die Volksraad is dan die liggaam wat namens die volk, met die regering moet beding vir die selfbeskikking vir die volk. Vir meer inligting kan op die webwerf [www.vvk.co.za](http://www.vvk.co.za) ingegaan word.

In die Loskop omgewing is die volgende beamptes aangestel: Sreekoördineerders; Theo Kruger 0828953975 en Paul Kruger



Om mee te begin is 'n infrastruktuur geskep om Sreëks Koördineerders en Registrasie Beamptes aan te stel wat kiesers registreer. Die Sreëk Koördineerders en Registrasie Beamptes is landwyd op 'n vrywillige basis aangestel. Hierdie beamptes moet aan sekere wetlike vereistes voldoen en onderneemings gee dat die registrasie van kiesers op 'n eerbare en korrekte wyse gedoen sal word.

Om van so 'n projek 'n sukses te maak, moet dit op 'n korrekte manier gedoen word en aan alle wetlike vereistes voldoen.

Om mee te begin is 'n infrastruktuur geskep om Sreëks Koördineerders en Registrasie Beamptes aan te stel wat kiesers registreer. Die Sreëk Koördineerders en Registrasie Beamptes is landwyd op 'n vrywillige basis aangestel. Hierdie beamptes moet aan sekere wetlike vereistes voldoen en onderneemings gee dat die registrasie van kiesers op 'n eerbare en korrekte wyse gedoen sal word.

**NOTIFICATION OF AN ENVIRONMENTAL IMPACT ASSESSMENT PROCES**  
Notice is given, in terms of the NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 2002 (Act No 107 of 1998) "NEMA" and the amended regulations published in Government Notice R. 544 of 2010 that an application for environmental authorisation is lodged with the National Department of Environment Affairs. Project Name: Eskom Marble Hall Project. Applicant: Eskom Holdings Limited. Listed Activities for Basis Assessment process (to be confirmed in consultation with the authorities): Listing Notice 1 - Activity Number 10: "The construction of infrastructure for the transmission and distribution of electricity outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 Kilovolts." Listing Notice 3 - Activity Number 3: "The construction of masts or towers of any material or type used for telecommunication broadcasting or radio transmission purposes where the mast (a) is to be placed on a site not previously used for this purpose and (b) will exceed 15 meters in height but excluding attachments to existing buildings and masts on rooftops. Listing Notice 4: "The construction of a road wider than meters with a reserve less than 13.5 metres. Project Description: The project involves the construction of the Eskom Marble Project that involves: Approximately 14km 132kV Powerline from Marble Hall Substation to the new proposed Mouse Substation. Approximately 13km 132kV Powerline from Marble Hall Substation to Marble Hall MTS. Approximately 13km 132kV Powerline from Marble Hall to Groblersdal Substation. Construction of the new Mouse Substation. Project Locality: The project area includes the macro area west, south and southeast of Marble Hall (including Marble Hall) town Groblersdal (including Groblersdal) in the Mpumalanga Province. Potentially affected farms include Keerom 729 KS; Makkepsvlei 728 KS; Zamenkomst 730 KS; Rhenosterfontein 731 KS; Tambokelle 733 KS; Gruytsbank 5 JS; Claremont 734 KS; Rietfontein 736 KS; Elandsdrift 8 JS; Uyskraal 10 JS; Die Hall 29 JS; Klipsyfering 2 JS; Toitskraal 2 JS; Slagboom 7 JS; Elandsdrift 9 JS; Klipput 11 JS; Venkraal 13 JS; Kleinklipput 11 JS; Blaauwildebeestfontein 16 JS; Vaaifontein 14 JS; Tambokellefontein 14 JS; Kleinfontein 14 JS; Kleinfontein 42 JS. Please ensure that you are notified as an interested and/or affected party and submit your name, contact information, interest in, or objection to the matter to the environmental consultant within 30 days in the date of this notice: Landscape Dynamics (Annelize Grobler Lizele Burger); P O Box 947, GROENKLOOF, Pretoria, 0021; Tel (012) 460 6043 & Fax (012) 346 2356; E-mail Address [agrobler@landscapedynamics.co.za](mailto:agrobler@landscapedynamics.co.za)

## CASH FOR SCRAP AND FERROUS METAL

# ALAMASI SCRAP



Dorkant  
Moosrivie  
Woonwapa

Rudolf

BESTER, JA KENNISGEWING VAN OORGAWE VAN 'N SKULDENAR SE BOEDEL IN TERME VAN ARTIKEL 4(1) WET 24 VAN 1936...

VAN DER VYVER EM KENNISGEWING VAN VOORNAME OM BOEDEL OOR TE GEE...

Dorpsbeplanning

CHISTELHURSTON, ERIF 1 SANDTON DORPSBEPLANNINGSKEMA...

Ekonom Marble Hall Project NOTIFICATION OF AN ENVIRONMENTAL IMPACT ASSESSMENT PROCESS

Notice is given, in terms of the NATIONAL ENVIRONMENTAL MANAGEMENT ACT, that the environmental impact assessment process is to be confirmed during consultation with the authorities...

Eq. Bindings / Bindings

PAGE, JEREMY JON & PAGE, LIZEL NOTICE OF MOTION In the North Gauteng High Court, Pretoria...

ABSA BANK/JACOBSON NOTICE OF SALE IN EXECUTION (IMMOVABLE PROPERTY)

IN THE SOUTH GAUTENG HIGH COURT OF SOUTH AFRICA (SOUTHERN DIVISION) JOHANNESBURG...

BOSCH, VG & MT NOTICE OF SURRENDER OF A DEBTOR'S ESTATE

In terms of Section 4(1) of the Insolvency Act, No. 24 of 1936, as amended, notice is hereby given by a petitioner of his making an application to the Supreme Court...

VAN DER WESTHUIZEN JL KENNISGEWING VAN VOORNAME OM BOEDEL OOR TE GEE

KENNIS WORD HERME GEGEE DAT AANSEK GEDOEN SAL WORD BY DIE TRANSVAAL PROVINSIALE AFDELING VAN DIE HOOFD OF VAN NOORD GAUTENG...

ELLISRAH VERKOOPING 743

One van ons Algemeen in Kennisgewing 5020 Lu 18 25 JUNIE 2010 is die BEELD verryssend na die Aansoek vir sigting van 'n Grondstuk...

Eksekusie / Executions

ABSA BANK/ALEXANDER NOTICE OF SALE IN EXECUTION (MOVABLE PROPERTY) IN THE SOUTH GAUTENG HIGH COURT...

ABSA BANK/LESTEDI HG NOTICE OF SALE IN EXECUTION

In the High Court of South Africa (Gauteng Division) Johannesburg, in the matter between ABSA BANK LIMITED, Plaintiff and LESTEDI HG, Defendant...

VAN WYK: KENNISGEWING VAN OORGAWE VAN 'N SKULDENAR SE BOEDEL

Ingevolge Artikel 4(1) van die Insolvensiewet, Nummer 24 van 1936, soos gewysig, word hierby deur 'n versoeker kennis gegee van sy aansoek...

VAN WYK: KENNISGEWING VAN OORGAWE VAN 'N SKULDENAR SE BOEDEL

Ingevolge Artikel 4(1) van die Insolvensiewet, Nummer 24 van 1936, soos gewysig, word hierby deur 'n versoeker kennis gegee van sy aansoek...

Ga-Kgapano X5, Erf 2672, 5673 DUIVELSGOEF/GA-KGAPANE

Ek, Petrus Jacobus Steyn van die Erf 2672, 5673 DUIVELSGOEF/GA-KGAPANE, bekend as die Eienaar, verklaar hierby dat die volgende artikel van die Grondwet van die Republiek van Suid-Afrika...

RIETFOONTEIN 2-R, PORTION 433 KENNISGEWING VAN AANSEK OM DIE OPRIJING VAN REKLAMETEKENS / ADVERTENSIEBOEDE INGEVOLGE ARTIKEL 32 VAN DIE STAD VAN JOHANNESBURG ADVERTENSIEBOEDE VERHOORINGS

NOTICE OF HEARING IN THE MATTER BETWEEN ABSA BANK LIMITED, Plaintiff and ALEXANDER, DALE Defendant...

RIETFOONTEIN 2-R, PORTION 433 KENNISGEWING VAN AANSEK OM DIE OPRIJING VAN REKLAMETEKENS / ADVERTENSIEBOEDE INGEVOLGE ARTIKEL 32 VAN DIE STAD VAN JOHANNESBURG ADVERTENSIEBOEDE VERHOORINGS

NOTICE OF HEARING IN THE MATTER BETWEEN ABSA BANK LIMITED, Plaintiff and ALEXANDER, DALE Defendant...

ABSA BANK/STONY RIV PROPERTIES 149 CC EN A ANDRES FOR PLAINTEE KENNISGEWING VAN VE IN DIE HOOGGERAGTE VAN SUID-AFRIKA

In the High Court of South Africa (Gauteng Division) Johannesburg, in the matter between ABSA BANK LIMITED, Plaintiff and STONY RIV PROPERTIES 149 CC EN A ANDRES FOR PLAINTEE, Defendant...

KHILL, JF KENNISGEWING VAN AANSEK OM SEKWESTRASIE

In die Noord Gautengse Hoër Hof, Pretoria (Hoofkantoor van Suid-Afrika), in die eks parte aansoek van KHILL, JACOBUS FREDERIKUS...

VAN WYK: KENNISGEWING VAN OORGAWE VAN 'N SKULDENAR SE BOEDEL

In die Noord Gautengse Hoër Hof, Pretoria (Hoofkantoor van Suid-Afrika), in die eks parte aansoek van WELT, JOHANNES S. JOOST...

MODELPAAL, ERIF 202 ENALAHLEN WYSIGINGSKEMA 1507

KENNISGEWING VAN AANSEK OM WYSIGING VAN ENALAHLEN LAU WYSGING MANAGEMENT SKEMA, 2011 INGEVOLGE ARTIKEL 58 (1)(b) VAN DIE OORDEENINGS OM DORPSBEPLANNING EN DORPE, 1986 (ORDONANSIE NO. 15 VAN 1986)...

RIETFOONTEIN 2-R, PORTION 433 KENNISGEWING VAN AANSEK OM DIE OPRIJING VAN REKLAMETEKENS / ADVERTENSIEBOEDE INGEVOLGE ARTIKEL 32 VAN DIE STAD VAN JOHANNESBURG ADVERTENSIEBOEDE VERHOORINGS

NOTICE OF HEARING IN THE MATTER BETWEEN ABSA BANK LIMITED, Plaintiff and ALEXANDER, DALE Defendant...

ABSA BANK/JAMBER PROPERTIES 93 (PTY) LTD NOTICE OF SALE IN EXECUTION

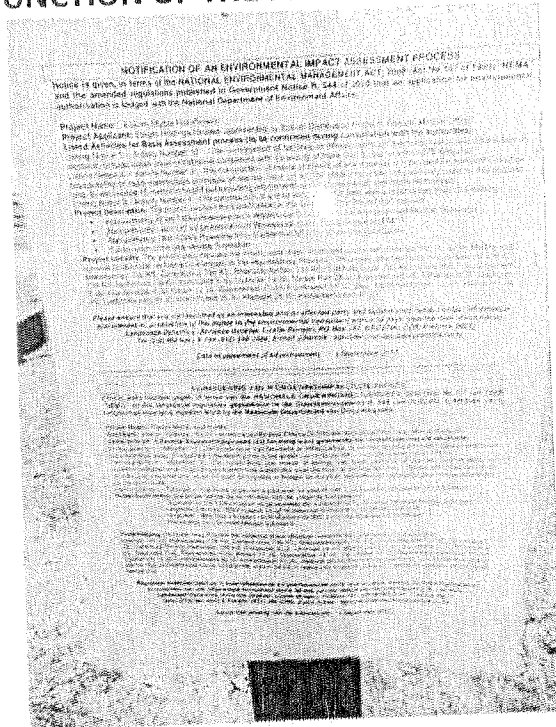
IN THE HIGH COURT OF SOUTH AFRICA (NORTH WESTERN DIVISION) JOHANNESBURG...

ABSA BANK/STONY RIV PROPERTIES 149 CC EN A ANDRES FOR PLAINTEE KENNISGEWING VAN VE IN DIE HOOGGERAGTE VAN SUID-AFRIKA

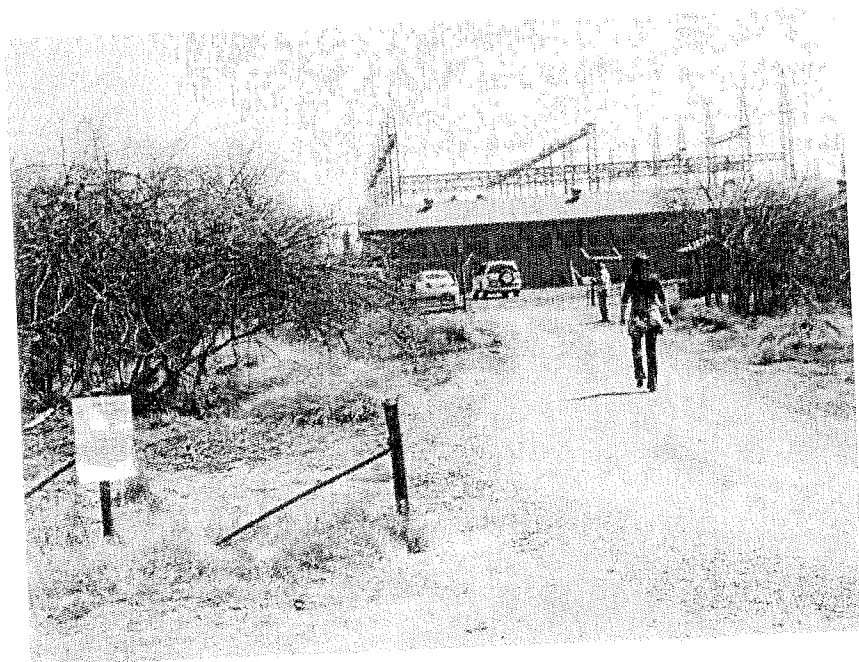
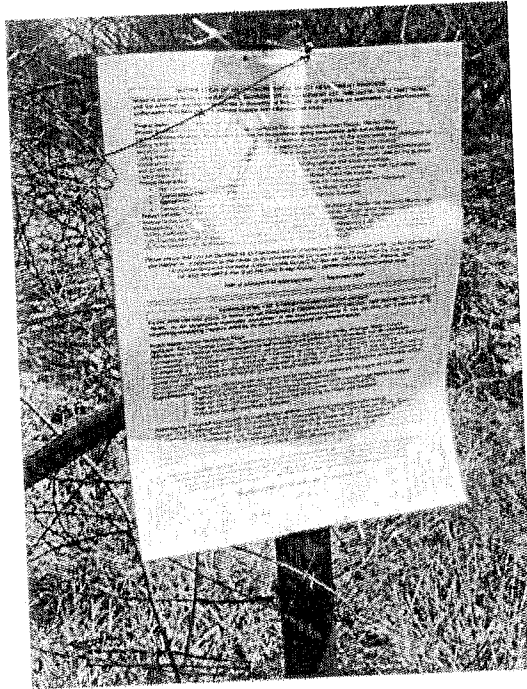
In the High Court of South Africa (Gauteng Division) Johannesburg, in the matter between ABSA BANK LIMITED, Plaintiff and STONY RIV PROPERTIES 149 CC EN A ANDRES FOR PLAINTEE, Defendant...

# PROOF OF ONSITE NOTIFICATION ESKOM MARBLE HALL PROJECT : WOLVE KRAAL TO MOUTSE

PLACED AT THE T-JUNCTION OF THE R573 AND THE N11 IN MARBLE HALL

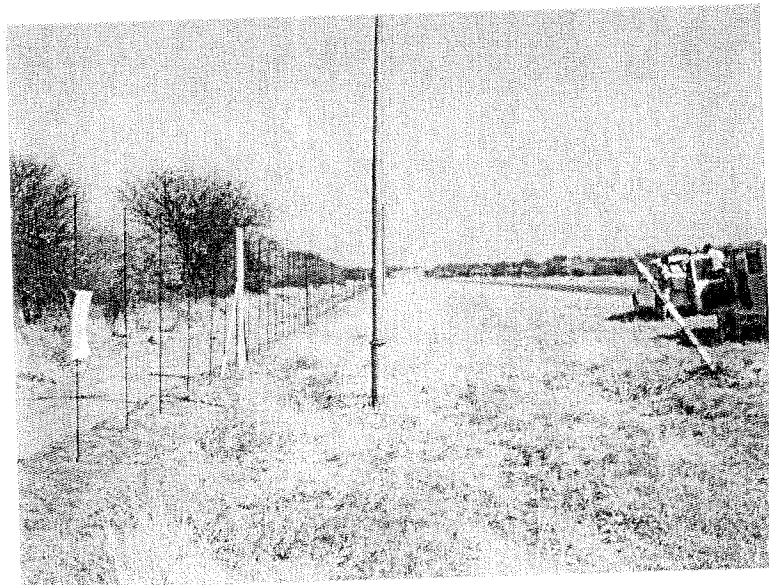
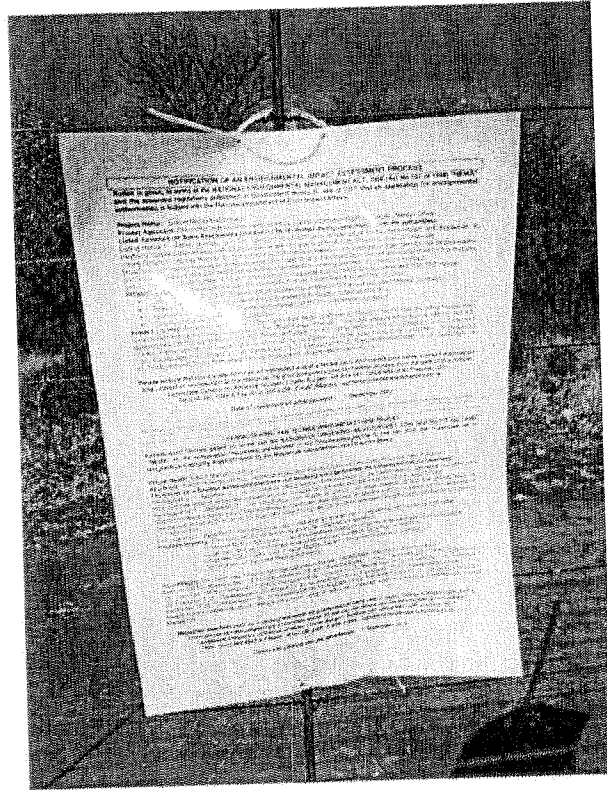


PLACED AT THE EXISTING WOLVEKRAAL SUBSTATION SITE





PLACED ALONG THE N11 WEST OF MARBLE HALL ALONG A GAME FENCE OF A PRIVATE PROPERTY



PLACED AT THE ENTRANCE OF THE TOITSKRAAL LAERSKOOLO

**NOTIFICATION OF AN ENVIRONMENTAL IMPACT ASSESSMENT PROCEDURE**

Notice is given, in terms of the NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1989 (Act No. 107 of 1989) and the associated regulations published in Government Gazette R. 666 of 2010 that an application for environmental assessment has been submitted to the National Department of Environmental Affairs.

**Project Name:** [Illegible]

**Project Location:** [Illegible]

**Project Description:** [Illegible]

**Applicant:** [Illegible]

**Key Dates:** [Illegible]

**Interested Parties:** [Illegible]

**Public Comment Period:** [Illegible]

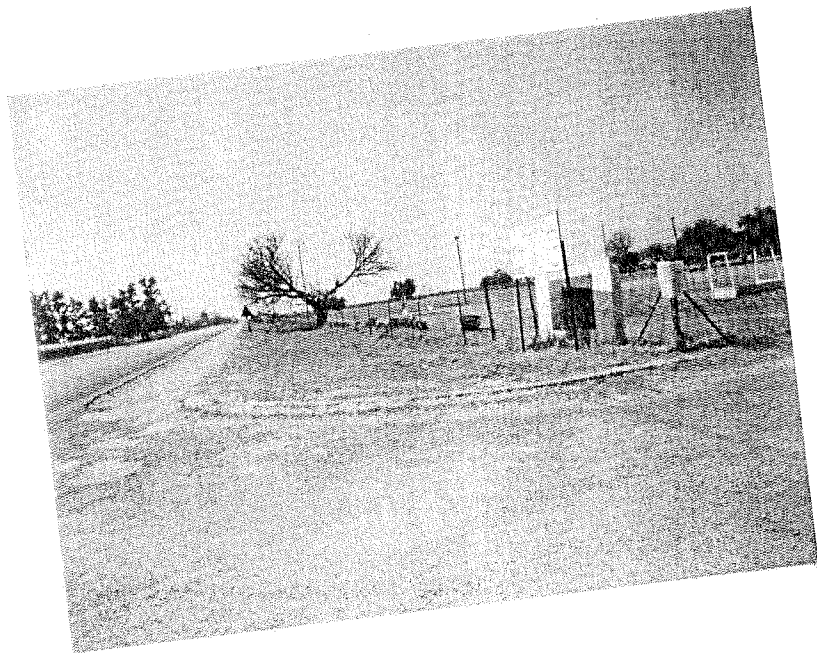
**Public Hearing:** [Illegible]

**Submission of Comments:** [Illegible]

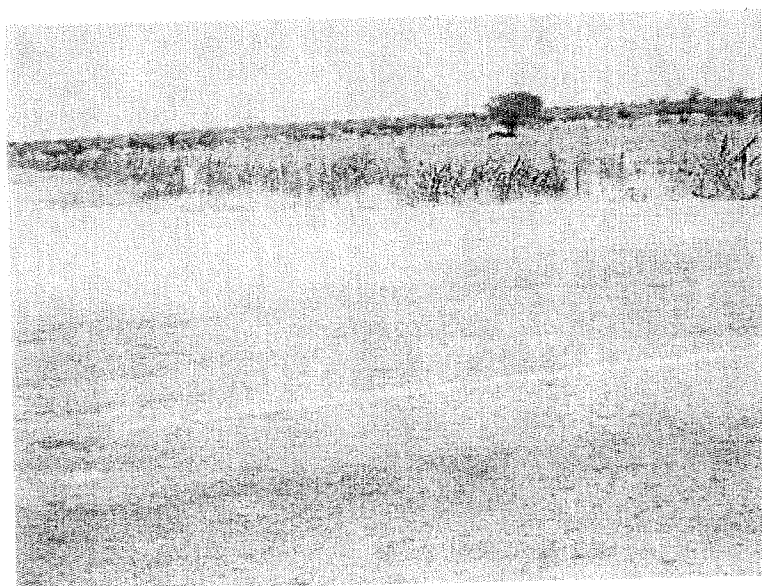
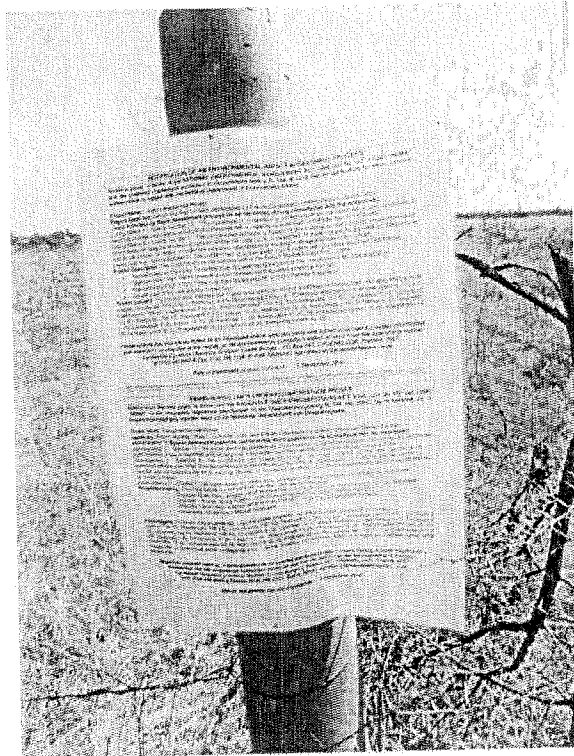
**Final Decision:** [Illegible]

**Date of Publication of this Notice:** [Illegible]

**Author:** [Illegible]



PLACED AT THE ROAD ENTRANCE TOWARDS THE PROPOSED MOUTSE SUBSTATION SITE





## LANDSCAPE DYNAMICS

ENVIRONMENTAL CONSULTANTS

CK 97/08197/23 VAT Regd: 4900171176  
Managing Member: A. Grobler BL(Pret.)

50 Herbert Baker Str PO Box 947  
Groenkloof Groenkloof  
Pretoria Pretoria  
0181 0027

Tel: 012 460 6043  
Fax: 012 346 2356  
Cell: 082 566 4530  
email: agrobler@landscapedynamics.co.za

15 October 2010

«Company»  
«Address1»  
«City»  
«PostalCode»

For attention : «FirstName»  
(Fax Number : «FaxNumber»)

AN ESKOM MARBLE HALL NDP PROJECT - APPROXIMATELY 42 KM 132 KV POWERLINE FROM WOLWEKRAAL SUBSTATION TO THE AND INCLUDING THE NEW PROPOSED MOUTSE SUBSTATION : ENVIRONMENTAL IMPACT ASSESSMENT PROCESS : NOTIFICATION OF PROJECT WITH INVITATION TO SUPPLY INITIAL COMMENT AND INPUT

Notice is given, in terms of the NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 2008 (Act No 107 OF 1998) "NEMA" and the amended regulations published in Government Notice R. 544 of 2010 that an application for environmental authorisation is lodged with the National Department of Environment Affairs.

Project Name: An Eskom Marble Hall NDP Project - 132 kV Powerline from Wolwekraal Substation to the new proposed Moutse Substation

Project Applicant: Eskom Holdings Limited

Listed Activities for a Basis Assessment Process (to be confirmed):

- Listing Notice 1 - Activity Number 10 : "The construction of facilities or infrastructure for the transmission and distribution of electricity outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 Kilovolts."
- Listing Notice 3 - Activity Number 3 : The construction of masts or towers of any material or type used for telecommunication broadcasting or radio transmission purposes where the mast (a) is to be placed on a site not previously used for this purpose and (b) will exceed 15 meters in height but excluding attachments to existing buildings and masts on rooftops.
- Listing Notice 3 - Activity Number 4 : The construction of a road wider than 4 meters with a reserve less than 13,5 metres.

Project Description: The project involves the construction of the Eskom Marble Project that involves approximately 42km of 132kV powerline from Wolwekraal Substation to and including the new proposed Moutse Substation.

Project Locality: The project area includes the macro area west and southwest of Marble Hall Groblersdal in the Mpumalanga Province. The potentially affected properties include the farms Keerom 729 KS, Makeepsvley 728 KS, Zamenkomst 730 KS, Rhenosterfontein 731 KS, Tambotielaaagte 733 KS, Gruysbank 5 JS, Claremont 734 KS, Elandsdrift 8 JS, uyskraal 10 JS, Marble Ha 29 JS, Klipsyfering 2 JS, Toitskraal 2 JS, slagboom 7 JS and Klippuit 11 JS.

### Request for Input

You have been registered as an Interested and Affected Party. You are kindly requested to confirm your contact details and an initial comments and/or concerns regarding the proposed project in writing within 30 days from receipt of this letter. environmental consultants are Landscape Dynamics Environmental Consultants. Our contact details are on this letterhead.

Kind regards

Annelize Grobler  
(For Landscape Dynamics)



# LANDSCAPE DYNAMICS

ENVIRONMENTAL CONSULTANTS

CK 97/08197/23 VAT Regd: 4900171176  
Managing Member: A. Grobler BL(Pret)

50 Herbert Baker Str PO Box 947  
Groenkloof Groenkloof  
Pretoria Pretoria  
0181 0027

Tel: 012 460 6043  
Fax: 012 346 2356  
Cell: 082 566 4530  
email: agrobler@landscapedynamics.co.za

18 February 2011

«JobTitle»  
«Company»  
«Address1»  
«City»  
«PostalCode»

For attention : «FirstName»  
(Fax Number : «FaxNumberEmail\_address»)

## ESKOM MARBLE HALL NDP PROJECT : WOLVEKRAAL-MOUTSE ; CONFIRMATION OF AN ENVIRONMENTAL IMPACT ASSESSMENT PROCESS WITH AN INVITATION TO A PUBLIC OPEN DAY

Notice is given, in terms of the NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 2008 (Act No 107 of 1998) "NEMA" and the amended regulations published in Government Notice R. 544 of 2010 that an application for environmental authorisation is lodged with the National Department of Environment Affairs. Listing Notice 1 (Activities 10, 23 and 24) as well as Listing Notice 3 (Activities 3,4,13 and 14 apply) – to be confirmed. A Basic Assessment process will be followed.

The Project Applicant is Eskom Holdings Limited- represented by Eskom Distribution Northern Region, Menlyn Office. The project involves the construction of approximately 42 km 132kv powerline from Wolvekraal Substation to the new proposed Moutse Substation. It is also proposed to construct a communication tower at the new Moutse Substation. The project area includes the macro area directly south and west of Marble Hall in the Mpumalanga Province. Potentially affected farms initially believed to be affected included the Farms Keerom 729-KS; Makeepsvley 728-KS; Zamenkomst 730-KS; Rhenosterfontein 731-KS; Tambotielaagte 733-KS; Gruysbank 5-JS; Loskop Noord 12-JS; Claremont 734-KS; Rietfontein 736-KS; Elandsdrift 8-JS; Uyskraal 10-JS; Marble Hall 29-JS; Klipsyfering 2-JS; Toitskraal 2-JS; Slagboom 7-JS; Elandslaagte 9-JS; Klipput 11-JS; Wolvenkraal 13-JS; Kleinklipput 11-JS; Blaauwildebeestfontein 16-JS; Vaalfontein 14-JS; Tambotiewaters 30-JS; Krokodilsdrift 25-JS; Klipbank 28-JS; Kleinwaterfontein 42-JS. Numerous route alternatives had been investigated since initial advertising of the project took place. The most viable route at the present stage (as tested with most of the landowners) would affect the following properties Portions 120, 282, 351, 642, 645, 646, 647, 648, 649, 785, 787, 788, 795, 890, 1050, 1082, 1085, 1083, 1246 of the Farm Loskop Noord 12-JS, as well as Portion 0 of the Farm Grysbank 5-JS; Portion 2 of the Farm Tambotiefontein 733-KS; as well as Portions of the Farms Rhenosterfontein 731-KS; Zamenkomst 73-KS; Makeepsvley 728-KS and Keerom 729-KS.

You are kindly invited to attend a Public Open Day to be held on Wednesday 2 March 2011 from 09:00 to 14:00 at the Laerskool Marble Hall in Skool Street at the boma on the sport grounds.

## ESKOM MARBLE HALL NDP PROJEK : WOLVEKRAAL-MOUTSE ; BEVESTIGING VAN 'N OMGEWINGSIMPAKSTUDIE ASOOK 'N UITNODIGING NA 'N PUBLIEKE OPE-DAG

Kennis word hiermee gegee, in terme van die NASIONALE OMGEWINGSBESTUURSWET, 2008 (Wet No 107 van 1998) "NEMA" en die aangepaste regulasies gepubliseer in die Staatskennisgewing R. 544 van 2010, dat 'n aansoek vir 'n omgewings-magtiging ingedien word by die Nasionale Departement van Omgewingsake. Die relevante gelyste aktiwiteite (moet bevestig word) sluit in Kennisgewing 1 (Aktiwiteite 10, 23 en 24) asook Kennisgewing 3 (Aktiwiteite 3, 4, 13 en 14). 'n "Basic Assessment Process" sal gevolg word.

Die Applikant is Eskom Holdings Limited - verteenwoordig deur Eskom Distribusie Noordelike Provinsie, Menlyn Kantoor. Die projek behels die konstruksie van 'n ongeveer 42 km 132kv kraglyn vanaf Wolvekraal Substasie tot by en insluitend die nuwe beoogde Moutse Substasie waar 'n kommunikasie-toring ook opgerig sal word. The projek-area val in die makro area direk suid en wes van Marble Hall in die Mpumalanga Provinsie. Aanvanklik is gereken dat die volgende plase waaarskynlik geaffekteer mag word : Keerom 729-KS; Makeepsvley 728-KS; Zamenkomst 730-KS; Rhenosterfontein 731-KS; Tambotielaagte 733-KS; Gruysbank 5-JS; Loskop Noord 12-JS; Claremont 734-KS; Rietfontein 736-KS; Elandsdrift 8-JS; Uyskraal 10-JS; Marble Hall 29-JS; Klipsyfering 2-JS; Toitskraal 2-JS; Slagboom 7-JS; Elandslaagte 9-JS; Klipput 11-JS; Wolvenkraal 13-JS; Kleinklipput 11-JS; Blaauwildebeestfontein 16-JS; Vaalfontein 14-JS; Tambotiewaters 30-JS; Krokodilsdrift 25-JS; Klipbank 28-JS; Kleinwaterfontein 42-JS. Daar is egter intussen (na afloop van die aanvanklike advertering van die projek) verskeie roetes ondersoek en getoets met van die geaffekteerde grondeienaars en huidiglik lyk dit of die mees waaarskynlik en praktiese roete die volgende eiendom sal beïnvloed Gedeeltes 120, 282, 351, 642, 645, 646, 647, 648, 649, 785, 787, 788, 795, 890, 1050, 1082, 1085, 1083, 1246 van die Plaas Loskop Noord 12-JS, so wel as Gedeelte 0 van die Plaas Gruysbank 5-JS; Gedeelte 2 van die Plaas Tambotiefontein 733-KS; asook Gedeeltes van die Plase Rhenosterfontein 731-KS; Zamenkomst 73-KS; Makeepsvley 728-KS en Keerom 729-KS.

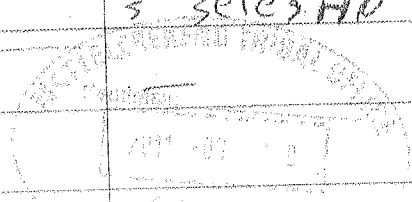
U word hiermee vriendelik uitgenooi na 'n Publieke Ope-Dag op Woensdag 2 Maart 2011 vanaf 09:00 tot 14:00 by die boma op die sportgronde van die Laerskool Marble Hall in Skoolstraat.

Kind regards / Vriendelike groete  
Annelize Grobler  
(For Landscape Dynamics)

meeting held at: P. COURTESY 17

Date: 30-03-2011 at 10:00

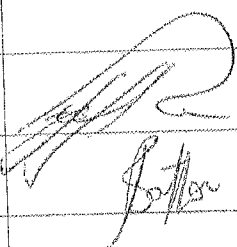
NR	NAME	CONTACT NR	SIGNATURE
1.	Andriarnepati	0716317479	<i>[Signature]</i> Chairperson
2.	SINKI MARAGUANA	071287476	<i>[Signature]</i> - Secre.
3.	WILLIAM SEBTHIANA	0828335599	<i>[Signature]</i>
4.	Buper Eugenas Sebthiana	0825875283	<i>[Signature]</i>
5.	Jawa Selua	0726674846	<i>[Signature]</i>
6.	Mendrik Matgatta	0825914379	<i>[Signature]</i> Hendrik
7.	Johanes Molofoza	0726545061	<i>[Signature]</i> Jmala
8.	Kingelina matlali	0712236618	<i>[Signature]</i> M. Matlali
9.	LINA GOTO		<i>[Signature]</i>
10.	Piel + Swana	0836686313	<i>[Signature]</i>
11.			
12.	<i>[Signature]</i> <i>[Signature]</i>	0786257185	<i>[Signature]</i>
13.			
14.	Solman Makop		<i>[Signature]</i>
15.	ARON MMakola	0714544109	A - MMakola
16.	FREDDY Seiesho		F Seiesho
17.	JOHANNESB-SIEKHO		
18.	Ledwaba		
19.	Progoie Fiorqi	0722871216	<i>[Signature]</i> Progoie
20.	Mogajana Potrian	05-0577163	<i>[Signature]</i> Mogajan

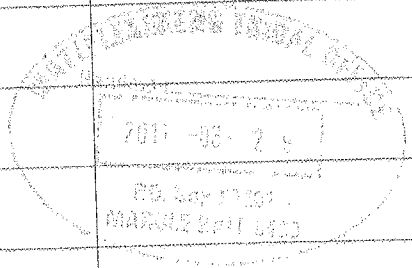


*[Handwritten mark]*

Meeting held at: Makwena 114

Date: 20-03-2011 at 10:00

NR	NAME	CONTACT NR	SIGNATURE
1.	Betty Ngoben <sup>o</sup>		B. Ngoben <sup>o</sup>
2.	Refilwe Mathibala	078	
3.	Hansi v/d Rouse	0825942533	
4.	A. Bata	082-7857686	
5.			
6.			
7.			
8.			
9.			
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11.			
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20.			



	<b>MINUTES</b> <b>Moutse Substation Allocation Meeting</b> <b>Matlerekeng TA</b> <b>10h00</b>	<b>30 March 2011</b>
--	--	----------------------

**ATENDANCE REGISTER**

Anne-Marie Botha	082-788 7686	ajmbotha@gmail.com
Hans van der Merwe	082-5942533	hans@urgeneg.co.za
Community (See attendance Register)		
<p><b>Welcome/Opening</b></p> <p><b>Questions Asked</b></p> <p>Can the people that do not have power get electricity- The substation will be build to enhance the area network. They will have to apply. It was explained by Andries that it will be an advantage for all 12 villages in the area.</p> <p>The reason for the meeting is to determine if Moutse sub can be build on the farm Zamekomst.</p> <p>The process was explained with involving Rural Development. They stated that it will not be a problem since they can make decisions since 1996.</p> <p>The servitude was discussed regarding the with of 31m and sub of 100x100m. On the line servitude they can use grazing, but no buildings will be allowed.</p> <p>The committee need to be informed constantly about the construction in the area. A.Botha will introduce construction to the committee.</p> <p>Local Service providers should be taken in account by construction. – Community to sort out once construction start.</p> <p>What will the compensation be? This will only be determined once the EA is approved and the valuation is done. Market value will be used.</p> <p>Consensus was reached that the substation can be built on Zamekomst. Two positions were discussed and maps were left for reference.</p>	<p>Andries Moj.</p> <p>Hans vd Merwe</p> <p>Hans vd Merwe</p> <p>A.Botha</p> <p>A.Botha</p> <p>Communittee</p>	



**Eskom Marble Hall NDF Project : Wolvekraal to Moutse**  
**ENVIRONMENTAL IMPACT ASSESSMENT PROCESS : PUBLIC PARTICIPATION PROGRAMME**  
**PUBLIC OPEN DAY : ATTENDANCE REGISTER**

2 March 2011  
 09:00-14:00 at the Laerskool Marble Hall

NAME	COMPANY/INSTITUTION/ INTEREST	POSTAL ADDRESS	TELEPHONE NUMBER	FAX NUMBER	E-MAIL ADDRESS	SIGNATURE
Gerard Fourie 2005 # 140140	Green.	Bus 609 Marble Hall	013 261 2075	013 261 1724	gfingelatic @k1.	Abbuis
J. P. de Vries	GREEN	Bus 1226 Marble Hall	082 777 1309	-		Abbuis
Peggy van Heerden P. van Heerden	van Heerden Green	PO Box 742 Marble Hall	072 718 5043		Elize van Heerden .CO.ZA.	Abbuis
B. PÖHL		Bus 576 MARBLE HALL	0832640715	0132612277	MPISIELECA M.WEB.CO.ZA	Abbuis
M. LeATT	Lanneq	Bus 503 M/Buyeloso	0832306042	013-2661336	me@weda.med center	Abbuis
P. Strudom Deon Koubou (ook namens sy homo Jaar 2011)	Simmone	Bus 723 Marble Hall BUS 1084 M/HALL	073-144509	0865280886	strudomca	Abbuis
Oscar Koltzow	Glukhou	Bus 425 M/HALL	0724040865	Louise@glukhou CO.ZA		Abbuis
Albed Koltzow	Glukhou	Bus 425 M/HALL	0828548709	Louise@glukhou CO.ZA		Abbuis

NAME	COMPANY/INSTITUTION/ INTEREST	POSTAL ADDRESS	TELEPHONE NUMBER	FAX NUMBER	E-MAIL ADDRESS	SIGNATURE
Af de Leeuw	Getalptekens Sekretaris	Poelvo 9600	0827892824	Louisa@glukhou.co.za		
Johan J.L. DEKOR	ESKOM MOOTRE LOCAL MUMVIC	PO BOX 111 MARBLE HALL	0795003792	0866052167	klariefm@ukhlo.gov.za	
Corrie Badenhoist	Manager ENVIRON- MENTAL SERVICES	Ephraim Mgqale Local Municipality	082 411 7554		cbadenhoist@ukhlo.gov.za	
A. Prinsloo	Etaschryf 8.	Parkies 527	082 550 4053		cheem@octoog.co.za	
J.F. Kinnear	COMMISSIONER	PO BOX 494 MARBLE HALL	082 572 8058	013 261 2640	JOSEPH@LORICAPPAZ.CO.ZA	
Erk Vrensburg	Seun van mar JDU v Rensburg				erikjvr@mweb.co.za	
Faliese Kwafo	ESKOM - ENVIRONMENTAL				Kwafo@eston	
Refilwa Maseke	ESKOM - KINSHASA				MASEKE@ESKOM.CO.ZA	
Mchulu Deseire	ESKOM Public Affair				brp@pe.com	
Mphahlele Mphahlele	ESKOM W. THABO				ngwezi.m@eskom.co.za	
Arwenes Thede	ESKOM - LAND RIGHTS				thede.m@eskom.co.za	
Neil Grey	Under Transport				neil@drivein.net	
Elaine Melkhorssen	Kahisa				elaine@kikisa.co.za	

6074  
6074



# ESKOM MARBLE HALL NDP PROJECT : WOLVEKRAAL TO MOUTSE

## REGISTERED INTERESTED AND AFFECTED PARTIES

Contact Person	Job Title	Company / Interest	Postal Address		Telephone Number	FaxNumber/ E-Mail address
Ms Palesa Kuaho	Environmental Officer	Eskom Distribution	PO Box 223	Witbank	1035 013 693 3146 072 623 5379	<a href="mailto:kuahop@eskom.co.za">kuahop@eskom.co.za</a>
Mr Paul Mckenna	Landsurveyor	Eskom distribution	PO Box 223	Witbank	1035 082 775 6902	
Mr Patrick Nxumalo	Negotiator Land and Rights	Eskom Distribution	PO Box 223	Witbank	1035 013 693 4440 082 967 8108	<a href="mailto:nxumalpb@eskom.co.za">nxumalpb@eskom.co.za</a>
Mr HOFFIE Sutherland	Revenue Protection Product Manager	Eskom Groblersdal	PO Box	Groblersdal	0470 082 371 7173 013 262 7098 013 262 7094	086 519 0434
Ms Sma Dlamini		Mpumalanga Parks Board	Private Bag X 11338	Nelspruit	1200 013 759 5300 013 759 5511 083 579 2402	0866024788
Mr Phillip Hines	APM Unit	South African Heritage Resources Agency	PO Box 4637	Cape Town	8000 021 462 4502	021 462 4509
	EIA Admin Office	Limpopo Department Economic Development, Environment & Tourism	C/o Suid- & Dorpstree	Polokwane	0699 015 - 291 1315	015 - 295 5015
The Director	Directorate of Landuse and Soil Management	National Department of Agriculture, Conservation and fisheries	Private Bag X120			

Ms Madi Moloto	Assistant Director	Department of Water Affairs and Forestry	Private Bag X 10580	Bronkhorstspuit	1020	013 932 2061 082 8874332	013 932 2071 <a href="mailto:molotom@dwa.gov.za">molotom@dwa.gov.za</a>
Dr Garth Batchelor For attention: District Deputy Ms Dineo Tswai/ AD Charity Mtimunye	The Director: Environmental Management	Mpumalanga Department of Agriculture and Land Administration	Private Bag 11219	Nelspruit	1200	013 759 4099/ Dr Batchelor  013 – 6901358/ 0725392052 Ms Deneo Tswai  0724770477 Charity Mtimunye	013 759 4164 <a href="mailto:gbatchelor@mpg.gov.za">gbatchelor@mpg.gov.za</a>
Mrs N Nthonbothi	Assistant Director	Department of Agriculture Mpumalanga	PO Box 266	Nelspruit	1200	013 759 4000	013 759 4165
Mr MS Makunyane	Municipal Manager	Sekhukhune District Municipality	Private Bag X8611	Groblersdal	0470	013 262 7309/12 013 262 7300	013 262 4303 <a href="mailto:thularer@sekhukhune.co.za">thularer@sekhukhune.co.za</a> <a href="mailto:mokonesi@sekhukhune.co.za">mokonesi@sekhukhune.co.za</a>
Mr David Nkambule	Head of Communications	Department of Public Works, Roads and Transport	Private Bag X 11310	Nelspruit	1200	013 766 6553	0865215068
Mr LJ Kabini	Municipal Manager	Elias Motsaedi (Groblersdal) Local Municipality	PO Box 48	Groblersdal	0470	013 262 3056	013 262 2547
Mr Reply Mlatwanazi	The Electrical Division	Ephraim Mogale Local Municipality				013 – 261 8400 082 371 9954	<a href="mailto:rmkhwazazi@marblehall.gov.za">rmkhwazazi@marblehall.gov.za</a>
Speakers Office Attention: Mr LB Modisha	Ward Councillor	Ward Councillor Ward 3 Keerom	PO Box 111	Marble Hall	0450	082 575 5207 013 261 8405 013 261 8400	013 262 2985

Speakers Office Attention: Mr NM Mothwa	CDW	Ward 3 Keerom	PO Box 111	Marble Hall	0450	072 766 0405	013 262 2985
Speakers Office Attention: Mr L Seloane	Ward Councillor	Ward Councillor Ward 4 Zamenkomst	PO Box 111	Marble Hall	0450	082 575 6488	013 262 2985
Speakers Office Attention: Mr MM Mogotlane	CDW	Ward 4 Zamenkomst	PO Box 111	Marble Hall	0450	078 342 5103	013 262 2985
Speakers Office Attention: Mr TT Maila	Ward Councillor	Ward Councillor Ward 5 Toitskraal	PO Box 111	Marble Hall	0450	082 575 5190	013 262 2985
Speakers Office Attention: Mr ME Maseeme	CDW	Ward 5 Toitskraal	PO Box 111	Marble Hall	0450	082 575 8108	013 262 2985
Speakers Office Attention: Mr LJ Mphahleke	Ward councillor	Ward Councillor Ward 6	PO Box 111	Marble Hall	0450	079 424 7222	013 262 2985
Speakers Office Attention: Mr AM Talana	CDW	Ward 6	PO Box 111	Marble Hall	0450	082 575 5429	013 262 2985
Speakers Office Attention: Nr PM Mashabela	Ward Councillor	Ward Councillor Ward 13	PO Box 111	Marble Hall	0450	076 782 2949	013 262 2985
Speakers Office Attention: Mr LG Diphufa	CDW	Ward 13	PO Box 111	Marble Hall	0450	082 734 4337	086 546 8514 <a href="mailto:dlul@ctecg.co.za">dlul@ctecg.co.za</a>
Mr Andre Prinsloo Attention: Mrs Anel Seyffert	The Chairman	District Agricultural Union Groblersdal					
Mr Dewald Palm	The Chairman	District Agricultural Union Marble Hall	PO Box 565	Marble Hall	0450	082 373 4372	013 261 2320
Mr Hans Manyaka	Town Planning Division	Ephraim Mogale Local Municipality (Marble Hall)	PO Box 111	Marble Hall	0450	013 261 8401 013 261 8456 013 261 8449	013 261 2985

Mr Corrie Badenhorst	The Environmental division	Ephraim Mogale Local Municipality	PO Box 111	Marble Hall	0450	013 261 8412	0866039643 cbadenhorst@marblehall. ov.za
Mr M Mokonyane	Regional Manager	Department of Minerals and energy	Private Bag X 7279	Witbank	1035	013 656 1448	013 656 6238
Mrs Erica Tietz Mr Leon Borchers	Landowner Kromdraai	Le Cano Meat and Chicken / Le Cano Trust	PO Box 1251	Marble Hall	0450	082 040 1313 082 378 4621 082 302 0276	015 667 0910 lecano@ctech.co.za
Mr Robert Groenewald	Owner	AO Case	Po Box 439	New Hollands Marble Hall	0450	013 261 3139 082 388 3161	013 261 3139/40 caseih@mweb.co.za
Mr Theuns Botha	Owner	P Stone / Bricks	PO Box 493	Marble Hall	0450	013 261 1026	013 261 2907 theunsb@telkomsa.net
Mr Fred Keppler		Freds Auto Repairs	PO Box 247	Marble Hall	0450	072 990 4046	086 593 0394
Mrs Karien Van Der Lith	Owner	Loskop Canvas and Tents	PO Box 1648	Marble Hall	0450	013 261 1923 082 458 5698	loskopcanvas@vodamail. o.za
Mr Willem Bothma	Owner	Marble Besproeing	PO Box 2050	Grobbersdal	0470	013 261 2086 083 357 4934	086 697 4036
Mr Adam Pron	Owner	Trentyre	PO Box 1173	Marble Hall	0450	0860943357 013 261 2720	0860943357 013 261 1828 adampron@trentyre.co.za
Mr Gert Mynhardt	Owner	Pieradel Eindomme	PO Box 1304	Marble Hall	0450	082 567 1315 013 261 1016	013 261 1312 jardinepd@vodamail.co.za
Mrs Madelein Pretorius	Owner	Cilla Maberlay Guest House	PO Box 772	Marble Hall	0450	072 919 3011 082 441 7976	Villa- maberlay.gastehuis@ odamail.co.za

First Name	Job Title	Company	Address 1	City	Postal Code	WorkPhone/CELL	FaxNumber/EMAIL
Mr Cheem Prinsloo	Marble Hall Kleinhandel (Pty) Ltd	Elandsdrift JS 8	PO Box 567	Marble Hall	0450	013 261 2537	013 261 2537
Mr Johan Mong	Owner	Marble Vervoer	PO Box 314	Marble Hall	0450	013 261 2115 082 944 0200	013 261 2433 reception@marblevervoer.co.za
Mr Gerhard Fourie Gerhardus	Owner	Gerhard Fourie Ing en Hydroliese Werke	PO Box 669	Marble Hall	0450	082 893 0333 013 262 2295	013 261 1724 gfling@lantic.net
Mrs A Schoeman	Owner	Masekane frames	PO Box 53	Marble Hall	0450	013 261 1898/5	013 261 2134 adeles@lantic.net
Mr HB Pieterse	Owner	BK Scrap Metals	PO Box 1091	Marble Hall	0450	013 261 2770 082 887 1690	013 261 2770
Mrs CJ Muller		Wheel and Deal	PO Box 520	Marble Hall	0450	072 391 3490	
Mrs Marthie Jordaan	Principal	Laerskool Toitskraal	PO Box 16	Strydimay	0455	013 261 1141	013 261 3212 lstoitskraal@goggagconnect.co.za
Mrs Marthie Jordaan	Principal	Toitskraal Nursery School	PO Box 16	Strydimay	0455	013 261 1141	013 261 3212 stoitskraal@goggagconnect.co.za
Mr HS Terblanche	Owner	Terblanche Boerdery Gedeelte J83	PO Box 940	Marble Hall	0450	013 261 1621	013 261 2732 cbadmin@ccecg.co.za
Mr T Maritz		Thinus Maritz Boerdery	PO Box 299	Marble Hall	0450	013 261 1850 082 492 6973	013 261 2814 / admin@thinusmaritz.co.za
Mr Braam De Beer		Terblanche Boerdery J29					



Mr A Ndlovu	Principal	Excelsior Collage	PO Box 700	Marble Hall	0450	013 261 1067	013 261 1505
Mr Gert Kruger	Owner	Gert Kruger Boerdery Gedeelte J4 and H61 Loskop Noord	PO Box 105	Marble Hall	0450	013 261 2257 083 251 4092	0865170833 gert@ctecg.co.za
FirstName	JobTitle	Company	Address1	City	Postal Code	WorkPhone/ CELL	FaxNumber/ EMAIL
Mr DC Oosthuizen	Owner	Midway Motors	PO Box 1010	Matble Hall	0450	013 261 2013 082 414 9080	013 261 2013 dcoosthuizen@webmail.co.za
Mr Leon Davel	Owner	LA Construction Drilling	PO Box 11095	Bendor Park	0699	083 627 8601 082 808 7735 072 040 7164	015 297 0391 nkwazivils@mweb.co.za
Mr Samuel Lourence	Owner	Interstate Grondwerke Bokmakierie	PO Box 140	Marble Hall	0450	013 261 2054 082 448 6614	013 261 2054 larosche@vodamail.co.za
Mr Jakkie Pelser	Manager	Building Materiaal	PO Box 610	Marble Hall	0450	013 261 1307 082 825 9408	013 261 2640 cotmaster@wol.co.za joseph@loskopagri.co.za
Mr J Kempen	Owner	Cotmaster (Golf Landgoed)	PO Box 428	Marble Hall	0450	013 261 8907/8	086 684 0022 vzs@mweb.co.za
Mr Van Zyl Schultz	Project Manager of the Estate	Marble Hall Golf Landgoed ext 7	PO Box 515	Marble Hall	0450	082 513 3344	086 619 4648 hester@qlukhov.co.za
Mr Emile Bloemhof	The Owner	Portions 649,647,282 &642 of the Farm Loskop Noord 12-JS	P O Box 425	Marble Hall	0450	082 786 1030 082 856 2208	

Mr Johnny & Hilida Howard	The Landowner	Portions 24, 638 & 95 of the Farm Loskop Noord 12 JS			082 362 1995	0865479395
Mr Mark Pratt	Lannea Beleggings	Portion 1 of the Farm Rhenosterfontein 731 KS	P O Box 303	Middelburg	1050	013 - 246 1336 mcp@vodamail.co.za
Mr Ian van Niekerk	The Landowner Kameeldorin drift Boerdery CC	Portion 803, 804 & 805 of the Farm Loskop Noord 12 JS	P O Box 110	Marble Hall	0450	013 - 261 2096 omegap@lantic.net
Ms Elaine Holtzhausen Environmental Consultant	Lokisa Environmental Consultancy		P O Box 219	Groenkloof	0028	012 - 346 6074 Elaine@lokisa.co.za
Mr Oscar Koltzow	The landowner	Portions 649, 647, 282 & 642 of the Farm Loskop Noord 12 JS	P O Box 425	Marble Hall	0450	louisa@glukhov.co.za
Mr Albert Koltzow/ Mr Emile Bloemhof	The Landowner	Portions 649, 647, 282 & 642 of the Farm Loskop Noord 12-JS	P O Box 425	Marble Hall	0450	louisa@glukhov.co.za- hester@glukhov.co.za 086 619 4648
Mr Juan Botes	The Owner	Portion 648 of the Farm Loskop Noord 12-JS	P O Box 611	Marble Hall	0450	
Mr Johan Barnard	The Owner	Portion 646 of the Farm Loskop Noord 12-JS	P O Box 1124	Marble Hall	0450	086 659 0804 selemane@ctecq.co.za
Mr Andries Kruger	The Landowner Andries Kruger Trust	Portion 281 of the Farm Loskop Noord 12 JS	P O Box 354	Marble Hall	0450	082 339 5633(Mnr) 082 494 9921 (Mev)
Mr Louw de Beer	The Owner	Portion 1050 of the Farm Loskop Noord 12-JS	P O Box 960	Marble Hall	0450	013 - 2612410 louisa@glukhov.co.za

Mr Peet Strydom	The Owner	Portion 120 of the Farm Loskop Noord 12-JS	P O Box 723	Marble Hall	0450	073 144 1509	<a href="mailto:strydomps@vodamail.co.za">strydomps@vodamail.co.za</a> a 086 528 0885 <a href="mailto:dthough@marblehall.gov.za">dthough@marblehall.gov.za</a> a 086 601 5876
Mr Deon Hough (tree oek op namens sy broer Joggie)	The Owner	Portions 890 & 1085 of the Farm Loskop Noord 12-JS	P O Box 1984	Marble Hall	0450	072 322 8035	<a href="mailto:schala@vodamail.co.za">schala@vodamail.co.za</a>
Mr Schaik Kruger	The Owner	Portions 1082 & 1083 of the Farm Loskop Noord 12 -JS	P O Box 225	Marble Hall	0450	082 872 9715	013 - 261 2277 <a href="mailto:mpisielec@mweb.co.za">mpisielec@mweb.co.za</a>
Mr Barnard Pohl	The Owner	Portions 784 & 795 of the Farm Loskop Noord 12-JS	P O Box 576	Marble Hall	0450	013 - 261 1576 083 264 0715	<a href="mailto:elize.vanheerden@afgrl.co.za">elize.vanheerden@afgrl.co.za</a> za
Mr P J van Heerden	The Owner	Portion 785 of the Farm Loskop Noord 12-JS	P O Box 742	Marble Hall	0450	072 718 5043	011 - 8065304 For attention: Wian de Bruyn
Mr Johnny A de Bruyn	The Owner	Portion 786 of the Farm Loskop Noord 12-JS	P O Box 1246	Marble Hall	0450	082 777 1309	012 - 998 3334
Dr M J Nagel	The Owner	Portion 787 of the Farm Loskop Noord 12-JS	P O Box 32647	Glenstantia	0010	083 258 2228 012 - 998 3515	
Mr Mark Brian Schulze	The Landowner	Portion 788 of the Farm Loskop Noord 12-JS	P O Box 547	Marble Hall	0450	011 - 802 1893	

Mr Frans Stapelberg	The Landowner Lekker Beleef Beleggings	Portion 481 of the Farm Loskop Noord 12 JS	P O Box 3202	Middelburg	1050	013 - 246 1217 (Home & Work)	013 - 246 1131 <a href="mailto:frans@fkeng.com">frans@fkeng.com</a>
Mrs P F Potgieter (Suzette) Mr Fanie Oosthuizen)	The Owner	Portion 351 of the Farm Loskop Noord 12-JS	P O Box 480	Marble Hall	0450	082 498 4776 Daughter - (Mrs P F Potgieter)	<a href="mailto:hannes1965@rocketmail.com">hannes1965@rocketmail.com</a>
Mr J J van Rensburg (Seun - Erik)	The Owner	Portion 0 of the Farm Grysbank 5-JS	P O Box 744	Delmas	2210	082 524 8300(Son) 082 524 8301(Father)	013 665 3751 086 657 8897 <a href="mailto:erikjr@mweb.co.za">erikjr@mweb.co.za</a>
Mr Sinnie Morema Mr Izak Moosa	The Landowners Mogomane Property Association	Portion RE 4 of the Farm Grysbank 5 JS				079 179 8756 (Sinnie) 072 597 9212 (Izak)	
Mr Neil Rex	The Owner, Undara Investments Pty Ltd	Portion 9 of the Farm Tambotielaaagte 733 KS	P O Box 1082	Rivonia	2128	082 552 6380	011 - 201 8101 <a href="mailto:neil@drivecon.net">neil@drivecon.net</a>
Mr Johan Cilliers	The Landowner, Marsonita	Portion 6 of the Farm Tambotielaaagte 733-KS	P O Box 4135	Middelburg	1050	083 229 4430	013 - 2825008 <a href="mailto:Johancillie1@gmail.com">Johancillie1@gmail.com</a>

<p>Chief Koos Mahlobogaona / Secretary Sinki Mabogwana (See Attendance Register in file)</p>	<p>The Landowner Matlerekeng TA</p>	<p>Portion 0 of the Farm Zamenkomst 730-KS</p>	<p>P O Box 53201</p>	<p>Marble Hall</p>	<p>0450</p>	<p>072 654 5661 076 128 7476</p>	
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# ESKOM MARBLE HALL NDP PROJECT : WOLVEKRAAL TO MOUTSE

## DIRECTLY AFFECTED LANDOWNERS

Mr Oscar Koltzow	The landowner	Portions 649,647,282 &642 of the Farm Loskop Noord 12-JS	P O Box 425	Marble Hall	0450	072 404 0865	<u>louisia@glukhov.co.za</u>
Mr Albert Koltzow/ Mr Emile Bloemhof	The Landowner	Portions 649,647,282 &642 of the Farm Loskop Noord 12-JS	P O Box 425	Marble Hall	0450	082 854 8709 0827861030 0828562208	<u>louisia@glukhov.co.za</u> <u>hester@glukhov.co.za</u>
Mr Juan Botes	The Owner	Portion 648 of the Farm Loskop Noord 12-JS	P O Box 611	Marble Hall	0450		086 619 4648
Mr Johan Barnard	The Owner	Portion 646 of the Farm Loskop Noord 12-JS	P O Box 1124	Marble Hall	0450	082 826 1485	086 659 0804 <u>selemane@ctecg.co.za</u>
Mr Andries Kruger	The Landowner Andries Kruger Trust	Portion 281 of the Farm Loskop Noord 12 JS	P O Box 354	Marble Hall	0450	082 339 5633(Mir) 082 494 9921 (Ms)	086 543 8576
Mr Louw de Beer	The Owner	Portion 1050 of the Farm Loskop Noord 12-JS	P O Box 960	Marble Hall	0450	082 789 2824	013 - 2612410 <u>louisia@glukhov.co.za</u>
Mr Peet Strydom	The Owner	Portion 120 of the Farm Loskop Noord 12-JS	P O Box 723	Marble Hall	0450	073 144 1509	<u>strydompc@vodamail.co.za</u> 086 528 0885
Mr Deon Hough (also tree cook op namens sy broer Joggie)	The Owner	Portions 890 &1085 of the Farm Loskop Noord 12-JS	P O Box 1984	Marble Hall	0450	072 322 8035	<u>dhough@marblehall.gov.za</u> 086 601 5876
Mr Schaik Kruger	The Owner	Portions 1082&1083 of the Farm Loskop Noord 12 -JS	P O Box 225	Marble Hall	0450	082 872 9715	<u>schalia@vodamail.co.za</u>

Mr Barnard Pohl	The Owner	Portions 784 & 795 of the Farm Loskop Noord 12-JS	P O Box 576	Marble Hall	0450	013 – 261 1576 083 264 0715	013 – 261 2277 mpisielec@mweb.co.za
Mr P J van Heerden	The Owner	Portion 785 of the Farm Loskop Noord 12-JS	P O Box 742	Marble Hall	0450	072 718 5043	elize.vanheerden@fgri.co.za
Mr Johny A de Bruyn	The Owner	Portion 786 of the Farm Loskop Noord 12-JS	P O Box 1246	Marble Hall	0450	082 777 1309	011 – 8065304 For attention: Wfan de Bruyn
Dr M J Nagel	The Owner	Portion 787 of the Farm Loskop Noord 12-JS	P O Box 32647	Glenstantia	0010	083 258 2228 012 – 998 3515	012 – 998 3334
Mr Mark Brian Schulze	The Landowner	Portion 788 of the Farm Loskop Noord 12-JS	P O Box 547	Marble Hall	0450	011 – 802 1893	
Mr Frans Stapelberg	The Landowner Lekker Beleef Beleggings	Portion 481 of the Farm Loskop Noord 12 JS	P O Box 3202	Middelburg	1050	013 – 246 1217 (Home & Work)	013 – 246 1131 frans@fkeng.com
Mrs P F Potgieter (Suzette) Mr Fanie Oosthuizen)	The Owner	Portion 351 of the Farm Loskop Noord 12-JS	P O Box 480	Marble Hall	0450	082 498 4776 Daughter – (Mrs P F Potgieter)	hannes1965@rockmail.com
Mr J J van Rensburg (Son – Erik)	The Owner	Portion 0 of the Farm Grysbank 5-JS	P O Box 744	Delmas	2210	082 524 8300(Son) 082 524 8301(Father)	013 665 3751 086 657 8897 erikvr@mweb.co.za

Mr Sinnia Morema Mr Izak Moosa	The Landowners Mogomane Communal Property Association	Portion RE 4 of the Farm Grysbank 5 JS				079 179 8756 (Sinnia) 072 597 9212 (Izak)	
Mr Neil Rex	The Owner Undara Investments Pty Ltd	Portion 9 of the Farm Tambotielaaagte 733 KS	P O Box 1082	Rivonia	2128	082 552 6380	011 - 201 8101 <a href="mailto:neil@drivecon.net">neil@drivecon.net</a>
Mr Johan Cillier	The Landowner	Portion 6 of the Farm Tambotielaaagte 733-KS	P O Box 4135	Middelburg	1050	083 229 4430	013 - 2825008 <a href="mailto:Johancillie1@gmail.com">Johancillie1@gmail.com</a>
Chief Koos Mahlobogaona/Secretary Sinki Mabogwana (See Attendance Register in file)	The Landowner Matlerekeng TA	Portion 0 of the Farm Zamenkomst 730-KS	P O Box 53201	Marble Hall	0450	072 654 5661 076 128 7476	





## LANDSCAPE DYNAMICS

### ENVIRONMENTAL CONSULTANTS

CK 97/08197/23      VAT Regd: 4900171176  
Managing Member: A. Grobler BL(Pret.)

50 Herbert Baker Str      PO Box 947  
Groenkloof      Groenkloof  
Pretoria      Pretoria  
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Fax: 012 346 2356  
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email: agrobler@landscapedynamics.co.za

## LANDSCAPE DYNAMICS ENVIRONMENTAL CONSULTANTS

### COMPANY PROFILE (updated September 2011)

Landscape Dynamics cc is an environmental consultancy firm, established in May 1997. The purpose of this document is to supply the following information

- Outline of the services that can be supplied
- Listing of projects that had been or are being undertaken
- Brief description of the professional team
- Brief description of the client base
- Description of the areas where work is/can be undertaken
- General approach to consultancy work

#### 1. SERVICES OFFERED

##### 1.1 ENVIRONMENTAL IMPACT ASSESSMENTS

Landscape Dynamics has significant experience and is well equipped and qualified to undertake Environmental Impact Assessments whilst applying the principles of Integrated Environmental Management. The procedures at present followed are those prescribed in terms of the Environmental Impact Assessment Regulations, 2006, made under Section 24 (5) of the National Environmental Management Act, 1998 (Act No 107 of 1998) and published in Government Notice No. R. 385 of 2006. Landscape Dynamics is also well-equipped to act as Environmental Control Officer during the construction and implementation phases of project development.

##### 1.2 WASTE LICENSE APPLICATIONS

Landscape Dynamics could also do applications for authorisation for waste and sewage facilities in terms of the Waste Act, 2008 (No 59 of 2008) as amended in July 2009.

### 1.3 WATER USE LICENSE APPLICATIONS

As a result of demand for this service, Landscape Dynamics now also provide services in the application of water use licenses as prescribed in Section 21 of the National Water Act (Act No 36) of 1998. Landscape Dynamics is equipped with sufficient knowledge and a broad contact base to ensure an effective service delivery.

### 1.4 ENVIRONMENTAL MANAGEMENT PROGRAMMES FOR REHABILITATION (EMPR's) FOR BORROW-PITS AND QUARRIES

Landscape Dynamics is equipped with sufficient knowledge and relevant experience to ensure compliance with legal requirement as per the Minerals and Petroleum Resources Development Act, 2002 (Act 28 of 2002), prescribed by the Department of Minerals & Energy for the application for prospecting rights and/or mining permits.

### 1.5 ZONING OF DAM BASINS / SUSTAINABLE UTILISATION PLANS

A zoning/development plan serves as a guideline for future development, tourism, recreation, sport activities and sport development within dam basins (the water surface and the waterfront). A holistic, multi-disciplinary approach is followed during the zoning process. Landscape Dynamics is well equipped through knowledge and extensive experience in this field to compile zoning plans for dam basins, both individually and in provincial/regional context. Landscape Dynamics is familiar with the zoning policies and guidelines prescribed by DWAF.

### 1.5 VISUAL IMPACT ASSESSMENTS

Landscape Dynamics is equipped with relevant qualifications; experience and access to relevant equipment to provide visual impact assessments as specialist input during the compilation of environmental impact assessment processes. The purpose of these visual impact assessment are mainly to identify the visibility of the proposed project; determine the level of intrusion; evaluate the extent thereof in context with its environment; identify and evaluate suitable mitigation measures. The main steps generally included a site investigation(s); computerised assessment (view shed analysis and visual simulation; impact evaluation; identification and evaluation of mitigation measures and lastly report writing.

## 2. PROJECT HISTORY & EXPERIENCE

### 2.1 ENVIRONMENTAL IMPACT ASSESSMENT PROJECTS (SOME PROJECTS ARE STILL IN PROGRESS)

ECA Projects in compliance with regulations stipulated in the Environment Conservation Act, (Act No 73) of 1989

- Environmental Impact Assessment – Mpumalanga Feasibility Study – Matibidi Area, Mpumalanga V3 Consulting Engineers, Nelspruit
- Environmental Impact Assessment – Mpumalanga Feasibility Study – Nkomazi Area, Mpumalanga Endecon Engineering Consultants, Nelspruit
- Environmental Impact Assessment – Der Brochen Time Share Resort. Mpumalanga JPN Investments, Pretoria
- Environmental Impact Assessment – Lomond/Scheerpoort Powerline, Northwest Province Eskom, Rustenburg
- Specific Environmental Management Plan – Lomond/Scheerpoort Powerline, Northwest Province Eskom Rustenburg
- Post-construction Environmental Review – Lomond/Scheerpoort Powerline, Northwest Province Eskom Rustenburg
- External Review of Scoping Report – Kokoriba Substation, Northwest Province Eskom, Rustenburg
- External Review of Scoping Report – Rustenburg Furnace Interconnector, Northwest Province Eskom Rustenburg
- Exemption from an Environmental Impact Assessment – Vlakfontein Bulk Water Supply, Gauteng Bigen Af Consulting Engineers
- Exemption from an Environmental Impact Assessment – Ralotsha Plessis Township Development, Northw Province Gerdora cc

- Environmental Impact Assessment (Scoping Level)- Boschhoek Town Development for Amplats, Northwest Province De Jager & Associates Town and Regional Planners
- Environmental Scoping Study – Goedgedacht Project, Northwest Province Eskom, Pietersburg Office
- Environmental Screening Process – Proposed Cellular Communication Base Stations for Ericsson, Gauteng SRK Consulting Engineers and Scientists
- Exemption from an Environmental Impact Assessment – Amplats HMO Hospital Project, Northwest Province Anglo Platinum
- Evaluation of Report – EIA Scoping Study for the Greater Nylstroom Wastewater Treatment Plant Upgrade, Northern Province BKS Engineers and Project Managers
- Evaluation of Report – EIA Scoping Study for Phagameng X7, Northern Province BKS Engineers and Project Managers
- Environmental Scoping Study for the Proposed Mwetli Weir, Mpumalanga BKS Engineers and Project Managers
- Environmental Scoping Study for the Proposed Sandbult Weir, Mpumalanga BKS Engineers and Project Managers
- Exemption from an Environmental Impact Assessment for the Sibange Pumpstation, Mpumalanga Bigen Africa, Nelspruit
- Exemption from an Environmental Impact Assessment for the Development of the Driekoppies Water Supply Scheme : Pumpstation and Pipeline to Right Bank Villages, Mpumalanga Bigen Africa, Nelspruit
- Exemption from an Environmental Impact Assessment for Silt Control for the Southern Nsikazi Raw Water Pump Station, Mpumalanga SKC, Pretoria
- Environmental Scoping Study for the proposed Oaklane Estate Township Development, Dullstroom, Mpumalanga Poltmore Trading Limited
- Environmental Scoping Study for the proposed Westcliff/Parkview Golf Estate Township Development on the Parkview Golf Course, Johannesburg, Gauteng – project was however cancelled halfway through the process
- Environmental Scoping Study for the Louis Trichardt/Flurian 132 kV Refurbishment, Northern Province Eskom, Pietersburg Office
- Environmental Scoping Study for the Overysseel Project, Northern Province Eskom, Pietersburg Office
- Exemption from an Environmental Impact Assessment for the proposed Arbourfell Township, Parc Du Cap, Northwest Province C.A.P.E. Developers
- Exemption from an Environmental Impact Assessment for the Development of the Driekoppies Water Supply Scheme : Water Purification Works and Pipeline to Left Bank Villages, Mpumalanga Bigen Africa, Nelspruit
- Environmental Scoping Study for the proposed Zwartkops Country Estate, Gauteng C.A.P.E. Developers
- Environmental Scoping Study for the proposed Lochiel Oshoek Bulk Water Supply Scheme, Mpumalanga Tumber Fourie, Nelspruit
- Environmental Scoping Study for the proposed Nsikazi North Water Treatment Plant, Mpumalanga and Northern Province Hawkins Hawkins & Osborn Consulting Engineers
- Exemption from an Environmental Impact Assessment for the proposed Jeppes Reef Rising Main, Mpumalanga Endecon, Nelspruit
- Exemption from an Environmental Impact Assessment for the Dlunduma Pipeline, Mpumalanga Bigen Africa, Nelspruit
- Exemption from an Environmental Impact Assessment for the Magudu Water Treatment Plant, Mpumalanga Bigen Africa, Nelspruit
- Environmental Scoping Study for the proposed Wigwam Golf Estate, Rustenburg (Northwest Province) Frans Farmer Architects; Northwest Province
- Compilation of an Environmental Management Plan for the Equestria X105 Township Development, Gauteng Van Zyl & Benadé Town Planners, Gauteng Province
- Environmental Scoping Study for the proposed Ikhutseng Resort Development, Limpopo Province Mr Johann Maritz, on behalf of Maritz Boerdery Trust
- Environmental Scoping Study for the Power Supply to the Anglo Platinum Western Limb Tailings Project, North West Province Eskom Distribution Northern Region
- Exemption from an Environmental Impact Assessment for the proposed Masibikela Water Treatment Plant, Mpumalanga Bigen Africa, Nelspruit
- Environmental Feasibility Assessment for RPT Johannesburg North Project : Zandspruit Phase 2, Gauteng Province Bigen Africa, Pretoria
- Exemption from an Environmental Impact Assessment for the proposed Steenbok Reservoir & Lusaka Pipeline, Mpumalanga Bigen Africa, Nelspruit
- Exemption from an Environmental Impact Assessment for the proposed augmentation pipeline to the Simil Bulk Water Supply Scheme, Mpumalanga Province Bigen Africa, Nelspruit
- Exemption from an Environmental Impact Assessment for the proposed Dipaleseng Sewage Infrastructure Mpumalanga Province Tumber Fourie Consulting Engineers, Nelspruit

- Environmental Scoping Study for the proposed De Grootboom Township Development, Mpumalanga Province Emeritus Investments 28 (Pty)Ltd
- Exemption from an Environmental Impact Assessment for the Cunningmoor A & B Water Reticulation Project, Limpopo Province HH&O Consulting Engineers, Johannesburg
- Exemption from an Environmental Impact Assessment for the Newington A, B and C Water Reticulation Project, Limpopo Province HH&O Consulting Engineers, Johannesburg
- External Review of Scoping Report – Western Platinum Lonmin Powerline Dismantling and Erection of Lines for the Purpose of Open-cast Mining, Northwest Province Eskom, Rustenburg
- External Review of Scoping Report – Bighorn/Wonderkop-Middelkraal Dismantling and New Line for strengthening of the Trident/Bighorn 88kV Network, Northwest Province Eskom, Rustenburg
- Environmental Scoping Study for the proposed Zwartkops Golf Estate Phases 2, 3 & 4, Gauteng Province Krisprop 12 (Pty) Ltd
- Environmental Scoping Study for the proposed Buffelshoek Private Resort Development, North West Province Mr Thys Maritz
- Environmental Feasibility Assessment for township development as part of the Alexandra Renuwal Project, Gauteng Province Bigen Africa, Pretoria
- Environmental Scoping Study for the proposed Celtisdal X 20 Township Development Mr Pierre Maritz, Johannesburg
- Environmental Feasibility Assessment for the proposed Lion Park Township in-site upgrade project, Gauteng Province Bigen Africa, Pretoria
- Environmental Scoping Study for the proposed Mont Rouge (Pecan View) Township Development, North West Province Wilcon Development, Pretoria
- Environmental Scoping Study for the proposed Dobsonville Extension Township Development, Gauteng Province Bigen Africa, Pretoria
- Environmental Scoping Study for the proposed Eldo Lakes Township Development, Gauteng Province Mr Theo Cilliers, Pretoria
- Environmental Scoping Study for the proposed Everglades Township Development, North West Province Captain Sterling Investments 90 (Pty) Ltd
- Environmental Scoping Study for the proposed Detergent Mixing Facility at the Oaks, Limpopo Province Tumber Fourie Consulting Engineers, Nelspruit
- Exemption from an Environmental Impact Assessment for the Proposed Barberton Reservoir, Mpumalanga Province Tumber Fourie Consulting Engineers, Nelspruit
- Exemption from an Environmental Impact Assessment for the Proposed Brits X92, North West Province Mr Jan De Klerk, Brits
- Vegetation Study on the Inchbrakie Falls for an Environmental Impact Assessment on the proposed Spring Grove Dam, Kwazulu-Natal Province Department of Water Affairs and Forestry Head Office, Pretoria
- Exemption from an Environmental Impact Assessment for the Proposed Private Resort on Zandfontein 447 JQ, North West Province Eternity Star Investments cc, Hartbeespoort
- Exemption from an Environmental Impact Assessment for the Proposed Waterval East X25, North West Province Hocom Prop (Pty) Ltd
- Exemption from an Environmental Impact Assessment for the Proposed Mgcobaneni Reservoir, Mpumalanga Province Tumber Fourie Consulting Engineers, Nelspruit
- Exemption from an Environmental Impact Assessment for the Proposed Homes Haven X3, Gauteng Province Hocom Props., Johannesburg
- Exemption from an Environmental Impact Assessment for the proposed Tonga East Water Supply Pipeline, Mpumalanga Bigen Africa, Nelspruit
- Exemption from an Environmental Impact Assessment for the proposed Phakama Bulk Water Supply Pipeline, Mpumalanga Bigen Africa, Nelspruit
- Environmental Scoping Study for the Thulamahashe Road Upgrade, Limpopo Province Tumber Fourie Consulting Engineers, Nelspruit
- Environmental Scoping Study for the proposed North West Gateway Shopping Centre, North West Province Ronson Trading, Pretoria
- Environmental Scoping Study for the Kabokweni Waste Water Works (new plant and emergency repairs), Mpumalanga Province SKC Engineers, Nelspruit
- EIA Exemption Application for the Upgrade of the Thulamahashe Water Treatment Works, Limpopo Province Tumber Fourie Consulting Engineers
- EIA Exemption Application for the proposed Homes Haven X5, Gauteng Province Craus International (Pty) Ltd

- Environmental Scoping Study for the proposed Croc River Development, Dullstroom, Mpumalanga Province Calgro / Mr Jan Wilken, Lydenburg
- EIA Exemption Application for the proposed Zwartkops Golf Estate Phase 5, Gauteng Province Krisp Props (Pty) Ltd
- Environmental Scoping Study for The Rest Township, Nelspruit, Mpumalanga Province Lure Investments (Pty) Ltd
- Environmental Scoping Study for the proposed Tamboti River Nature Estate, Limpopo Province Mr Albertus Booysen, Pretoria
- EIA Exemption Application for water and sewage reticulation in Namakgale, Phalaborwa, Limpopo Province SKC Consulting Engineers
- Environmental Scoping Study for the proposed Ponte Vecchio Township, Hartbeespoort Dam, Northwest Province Mr Christo Grobler
- Environmental Scoping Study for the proposed Dombeya Township, Hartbeespoort Dam, Northwest Province Mr Johan Le Roux
- EIA Exemption Application for Orchards X37 Township on Hartbeeshoek Portion 113, Orchards, Gauteng Province Golden Pond Trading 12 (Pty) Ltd
- EIA Exemption Application for Chantelle X31 Township, Gauteng Province Golden Pond Trading 12 (Pty) Ltd
- EIA Exemption Application for the proposed Lever Creek Estate, Gauteng Province Krisp Prop 4 (Pty) Ltd
- EIA Exemption Application for Amorosa X40 on Little Falls 30 & 31, Gauteng Province Krous International (Pty) Ltd
- Environmental Scoping Study for Amorosa X34 on Little Falls 15, Gauteng Province Mr Mike Edwards
- Environmental Scoping Study for the Newlands Private Game Reserve, Limpopo Province Cadcon
- Environmental Scoping Study for the Swaruggens Private Game Reserve, Northwest Province Mr Marius Nel
- Environmental Scoping Study for the Vaalwater Dorset Eskom Project, Limpopo Province Eskom Distribution
- Environmental Scoping Study for the Inyaka Dam Access Road, Limpopo Province Bigen Africa, on behalf of the Department of Water Affairs & Forestry
- Environmental Feasibility Studies for Rabie Ridge, etc. Johannesburg North RPT Housing Project, Gauteng Province, Bigen Africa on behalf of the Gauteng Department of Housing
- Environmental Scoping Study for the Zandspruit Phase 2 Township, Gauteng Province Bigen Africa on behalf of the Gauteng Department of Housing
- Environmental Scoping Study for the proposed Subdivision of Van Wyks Restant, Savannah Eco Estate, Gauteng Province Mr Willem Vermaak
- EIA Exemption Application for the Naas Water Treatment Works, Mpumalanga Province Bigen Africa
- EIA Exemption Application for the Amersfoort Pipeline, Mpumalanga Province Bigen Africa
- Environmental Scoping Study for the Leloko Lifestyle Estate, Northwest Province Mr Ian Meyer
- Environmental Scoping Study for the Burgersfort X30 & X31, Mpumalanga Province Mr Jaco van der Walt
- EIA Exemption Application for the proposed Strubensvallei X22, Gauteng Province Mr Marius Boersma
- EIA Exemption Application for the proposed Strubensvallei X8, Gauteng Province Mr Eddie Morf
- EIA Exemption Application for the proposed Strubensvallei X10, Gauteng Province Mr Eddie Morf
- EIA Exemption Application for the proposed Terenure X74 Township, Gauteng Province Cosmopolitan Projects
- Environmental Scoping Study for the proposed Elandslaagte Project, Dullstroom, Mpumalanga Mr & Mrs Colin Foster
- Environmental Scoping Study for the proposed Hartbeesfontein Project, Brits, NW Province Greeneyewee Investments (Pty) Ltd, Mr Hennie Joubert
- Environmental Scoping Study for the proposed Zilkaatsnek Wildlife Estate Phase 1, Brits, NW Province Mr Abel Du Toit
- Environmental Scoping Study for the proposed Spruce Meadows Polo & Equestrian Estate, Hartbeespoort Dam, NW Province Mr Henning Pretorius
- EIA Exemption Application for Montana X 132, Gauteng Province Golden Pond Trading 12 (Pty) Ltd
- EIA Exemption Application for the Amersfoort Water Reticulation Network, Mpumalanga Province Bigen Africa
- Environmental Scoping Study for the proposed Lotus Gardens X 1 Township, Gauteng Province Cosmopolitan Projects
- Environmental Scoping Study for the Worcester Road Upgrade and Cemetery, Limpopo Province, Rigogo Projects
- EIA Exemption Application for Wintersnest X7, Gauteng Province Financial Assistance for Africa, Mr Johan van der Westhuizen
- Environmental Impact Assessment for the Eskom Louis Trichardt-Paradise-Venetia Mine 120km Powerline Project, Limpopo Province, Eskom Distribution, Northern Region

- Environmental Impact Assessment for the Eskom Louis Trichardt-Soutpan-Venetia Mine 140km Powerline Project, Limpopo Province, Eskom Distribution, Northern Region
- Environmental Impact Assessment for the PP Rust 70km Powerline Project, Limpopo Province, Eskom Distribution, Northern Region
- Environmental Scoping Study for the Sekhukune Wildlife Estate, Limpopo Province, Rooibees Boerdery (Pty) Ltd

NEMA Projects in compliance with regulations stipulated in the National Environmental Management Act, (Act No 107 of 1998) as published in 2006.

- Basic Assessment for Brits X120, Motor Show Room, NW Province, Abel Du Toit
- Full Scoping & EIA for Orchards X45, Gauteng Province, England Builders, for Mr Izak Botha
- Basic Assessment for Eskom Veekraal Substation, NW Province, Eskom Distribution, Northern Region
- Basic Assessment for Eskom Shaft 15 Substation, NW Province, Eskom Distribution, Northern Region
- Full Scoping & EIA for Elandsrand X9, NW Province c/o Dr Kotie Kruger
- Full Scoping & EIA for Brits X136, NW Province c/o Dr Kotie Kruger
- Basic Assessment for Chloorkop X62, Gauteng Province, Genesis Projects
- Basic Assessment for Motorvia Project (Witfontein X51), Gauteng Province, c/o Dr Kotie Kruger
- Basic Assessment for Eskom Nooitgedacht Substation, Mpumalanga Province, Eskom Distribution, Northern Region
- Basic Assessment for Eskom Ermelo-Majuba 60km Powerline, Mpumalanga Province, Eskom Distribution, Northern Region
- Basic Assessment for Eskom Marang Shaft 16km Powerline, NW Province Mpumalanga Province, Eskom Distribution, Northern Region
- Full Scoping & EIA for Gem Valley Extensions 1 - 4, Gauteng Province, Cosmopolitan Projects
- Full Scoping & EIA for Gem Valley Extensions 5 - 16, Gauteng Province, Cosmopolitan Projects
- Environmental Supervision for Alexandra X10 Housing Project, Gauteng Province, Alexandra Renuwal Project
- Full Scoping & EIA for Eskom Tshino Project, Limpopo Province, Urgeneg Consulting
- Full Scoping & EIA for Eskom Witkop-Lebowa 32km Powerline Project, Limpopo Province, Urgeneg Consulting
- Full Scoping & EIA for Eskom Voorspoed-Dwaalkop 9km Powerline Project, Limpopo Province, Urgeneg Consulting
- Full Scoping & EIA for Chloorkop X65 Industrial Development, Gauteng Province, Cosmopolitan Projects
- Full Scoping & EIA for the Eskom Shaft 17 Group Project, NW Province, Eskom Distribution, Northern Region
- Full Scoping & EIA for the Eskom Hilltop Project, Mpumalanga Province; Urgeneg Consulting
- Full Scoping & EIA for the Eskom Thohoyandou Project, Limpopo Province, Eskom Distribution, Northern Region
- Full Scoping & EIA for the Eskom Nesengani Substation Project, Limpopo Province, Urgeneg Consulting
- Full Scoping & EIA for the Eskom Pebble Rock Project, Gauteng Province, Eskom Distribution
- Full Scoping & EIA for the Eskom Rethabiseng Project, Mpumalanga Province, Eskom Distribution Northern Region
- Full Scoping & EIA for the Eskom Musina Upgrade Project, Limpopo Province, Eskom Distribution Northern Region
- Full Scoping & EIA for the Eskom Matlabas Bulge Project, Limpopo Province, Eskom Distribution Northern Region
- Full Scoping & EIA for the Eskom Matafin Project, Mpumalanga Province; Urgeneg Consulting
- Full Scoping & EIA for the Zilkaats Wildlife Estate Phase 2, Northwest Province; Mr Abel Du Toit
- Full Scoping & EIA for the Groot Marico Extension (Marico Bosveld Dam), Northwest Province; AJK Projects
- Full Scoping & EIA for the ATKV Buffelspoort Upgrade Project, Northwest Province, ATKV Resorts
- Basic Assessment for the Shatale Water Transfer Line, Mpumalanga Province, Tumber Fourie Consulting Engineers
- Basic Assessment for the Tonga Water Transfer Line, Mpumalanga Province, Tumber Fourie Consulting Engineers
- Basic Assessment for the Inyaka Dam Water Pipeline; Mpumalanga Province; Bigen Africa Consulting Engineers
- Basic Assessment for Bridge 483 Widening, Gauteng Province; SKC Consulting Engineers
- Basic Assessment for the Witfontein-Nungu Township Development, Gauteng Province, Nungu (Pty) Ltd
- Section 24 (G) Non-Compliance Application for the Brits X120, Northwest Province, Mr Abel Du Toit
- Section 24 (G) Non-Compliance Application for the Wigwam Hotel & Golf Estate, Northwest Province, Mr Hans Marx
- Basic Assessment for Clubview X95, Gauteng Province, Krisp Props 12 (Pty) Ltd

- Full Scoping & EIA for the proposed Nellmapius Project No 1; JSG Developments (on behalf of the City of Tshwane Metropolitan Municipality)
- Full Scoping & EIA for the proposed Nellmapius Project No 2; JSG Developments (on behalf of the City of Tshwane Metropolitan Municipality)
- Full Scoping & EIA for the proposed Nellmapius Project No 3; JSG Developments (on behalf of the City of Tshwane Metropolitan Municipality)
- Full Scoping & EIA for the proposed The Willows Project; JSG Developments (on behalf of the City of Tshwane Metropolitan Municipality)
- Full Scoping & EIA for the proposed Upgrade of the Klipspruit Sewage Treatment Works, for V3 Consulting Engineers on behalf of the Emalahleni Local Municipality
- Full Scoping & EIA for the proposed Upgrade Davel/Kwadela Sewage Treatment Works for Tumber Fourie Consulting Engineers on behalf of the Msukligwa Municipality
- Basic Assessment for the Eskom Riversong Project, Eskom Distribution, Menlyn Office
- Basic Assessments for three sections of the Marble Hall NDP Project, Eskom Distribution, Witbank Office
- Basic Assessments for Anglo Coal Bravo New Largo-Khutala Project, Eskom Distribution Witbank Office
- Basic Assessment for Anglo Coal Cologne-Smithfield Project, Eskom Distribution Witbank Office

## 2.2 WASTE LICENSE APPLICATIONS

In progress:

- Klipspruit Sewage Treatment Works, for V3 Consulting Engineers on behalf of the Emalahleni Local Municipality
- Davel/Kwadela Sewage Treatment Works for Tumber Fourie Consulting Engineers on behalf of the Msukligwa Municipality
- Sewage Treatment Works for the Spruce Meadows Equestrian Estate

## 2.3 WATER USE LICENSE APPLICATIONS

- Weir in the Lomati River, Mpumalanga Province, Tumber Fourie Consulting Engineers
- Kabokweni Sewage Treatment Works, Mpumalanga Province, SKC Consulting Engineers
- Bridge 483 Widening, Gauteng Province, SKC Consulting Engineers
- ATKV Buffelspoort Resort (sewage treatment works, waste transfer facility, river crossings and water storage) Northwest Province, ATKV
- Klipspruit Sewage Treatment Works and Pipeline, Witbank, Tumber Fourie Consulting Engineers

## 2.3 ENVIRONMENTAL MANAGEMENT PROGRAMMES FOR REHABILITATION (EMPR's) FOR BORROW-PITS AND QUARRIES

- EMPR permit application for borrow pit for the Jerusalem Road Maintenance Project, Limpopo Province Tumber Fourie Consulting Engineers, Nelspruit
- EMPR permit application for borrow pits for the Thulamahashe to Cunningmoor A Road Upgrade, Limpopo Province, Tumber Fourie Consulting Engineers, Nelspruit
- EMPR permit application for borrow pit for the Roedtan Mokopane Road Upgrade, Limpopo Province, Tumber Fourie Consulting Engineers, Nelspruit

## 2.4 ZONING OF DAM BASINS ("SUSTAINABLE UTILISATION PLANS")

- The Zoning of Tzaneen Dam, Northern Province, Department of Water Affairs & Forestry, Northern Province Region
- The Zoning of Buffelspoort Dam, Northwest Province, Department of Water Affairs & Forestry, Northern Province Region
- The Zoning of Voëlvelei Dam, Western Cape, Department of Water Affairs & Forestry, Western Cape Region
- The Zoning of the Vaal Dam (Gauteng, Mpumalanga and Free State Provinces), Department of Water Affairs & Forestry, Gauteng Region
- The Zoning of the Maguga Dam, Swaziland, Zoning specialist input on the working team for RAU-ECON on behalf of the Maguga Development Network

## 2.5 VISUAL IMPACT ASSESSMENTS

- Visual Impact Assessment on Scoping Level – Primkop Airport, Mpumalanga, BKS Consulting Engineering Consultants, Pretoria
- Visual Impact Assessment : Eskom Kleevebank Upgrade and 2 X 400 kV Power Lines, Gauteng Province, EIMA, Johannesburg
- Visual Impact Assessment for the proposed Eskom Duvha-Leseding Transmission Powerline, Mpumalanga Province, Eskom Transmission, Megawatt Park
- Visual Impact Assessment on Scoping Level – Upgrade of Wonderboom Airport, Gauteng, BKS Engineers and Project Managers

## 3. THE PROFESSIONAL TEAM

Annelize Grobler is a qualified landscape architect who obtained valuable working experience in the Department of Water Affairs for a period of 8 years before she established Landscape Dynamics Environmental Consultants in May 1997. Office administration is the responsibility of Ms Zelda van Zyl. A well-established working relationship with Ms Susanna Nel of Dirisana Environmental Consulting in Somerset-West is effective as a satellite office base for Landscape Dynamics in the Western Cape Province. Mr Johannes Nel also has a working agreement with Landscape Dynamics - he is largely responsible for water use license applications. Curriculum vitae's of these individuals are available on request.

Landscape Dynamics has access to a variety of skills through association with specialists in their different fields of expertise. These specialist fields include the following:

- Ecology (Fauna & Flora)
- Wetland and Riparian Delineations
- Archaeology & Cultural History & Historical Architecture
- Agricultural Feasibility Assessments
- Geotechnical Engineering & Engineering Geology
- Geo-hydrology
- Aquatic Surveys
- Civil Engineering
- Social Consultants
- GIS Applications
- Architecture
- Landscaping and Civil Contractors

These associations enable Landscape Dynamics to supply a "one stop" service to the client. Landscape Dynamics has proved its ability to work effectively either independent or as part of a team or joint venture.

## 4. CLIENT BASE

Landscape Dynamics has a well-established client base from both the private and government sectors that include Eskom Distribution Northern Region; Department of Water Affairs; Cosmopolitan Projects; Bigen Africa Consulting Engineers; Civilconsult Engineering Consultants; Tumber Fourie Consulting Engineers; SKC Consulting Engineers; Lombard Du Preez Town Planners & Land Surveyors; Platinum Town Planners; Urguneg Consulting; ATKV Resorts; etc. References are available on request.

## 5. WORKING AREAS

Most significant experience has been obtained in the Gauteng, Northwest, Limpopo and Mpumalanga Provinces. Due to the nature of Environmental Impact Assessments, Landscape Dynamics is however able to undertake work country wide, including in adjacent countries such as Lesotho; Swaziland and Mozambique. The office of Dirisana Environmental Consulting in Somerset-West enables the supply of an efficient service in the Western Cape and surrounding provinces.



6. GENERAL APPROACH TO CONSULTANCY WORK

Landscape Dynamics' strength is in taking a multi-disciplinary approach to enable a cost- and time efficient service to all its clients whilst ensuring work of a high standard. It is for this reason that careful consideration of the scope of work is done prior to any actions being taken. This ensures that only relevant issues are addressed and that work unnecessary to reach the objective of the study or work unnecessary for consideration of approval by the authorities, is not undertaken.

Landscape Dynamics supports emerging professionals from historically disadvantaged working sectors wherever the required expertise is available.

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**CONDENSED CURRICULUM VITAE**  
**ANNELIZE GROBLER**  
 (ID 650423 0014 081)

**PERSONAL DETAILS**

<b>Nationality</b>	:	South African
<b>Date of birth</b>	:	23 April 1965
<b>Years of experience</b>	:	19 years
<b>Academic qualifications</b>	:	BL (Landscape Architecture) – University of Pretoria, 1988; Completed the following additional courses: <ul style="list-style-type: none"> <li>• "Integrated Environmental Management – Theory and Practice" University of Cape Town, 1992</li> <li>• "Principles of the Rehabilitation of Disturbed Areas" Potchefstroom University for Christian Higher Education, 1997.</li> </ul>
<b>Languages</b>	:	Afrikaans (speak, read and write excellent) English (speak, read and write excellent)
<b>Present employment</b>	:	Landscape Dynamics Environmental Consultants
<b>Present position in firm</b>	:	Managing Member
<b>Postal address</b>	:	P.O. Box 947, Groenkloof, Pretoria, 0027
<b>Home address</b>	:	91 Wenning Street; Groenkloof, Pretoria, 0181
<b>Marital status</b>	:	Divorced, two children ages 12 and 14
<b>Health</b>	:	Excellent
<b>Drivers' license</b>	:	Code 08
<b>Criminal record</b>	:	None
<b>Employment history</b>	:	January 1989 – April 1997 Department of Water Affairs & Forestry May 1997 – present Landscape Dynamics

**KEY WORKING EXPERIENCE**

**DEPARTMENT OF WATER AFFAIRS AND FORESTRY**

Ms Grobler established the basis of her working experience in the Department of Water Affairs and Forestry where she was responsible for the application of Integrated Environmental Management during all phases of water project development. This included the compilation of Environmental Impact Assessments (ecological and social), identification of rehabilitation specifications, undertaking of Public Participation Programmes and environmental supervision during the construction phase of project development.

Projects of significance with which she was involved during this period, include

- the Orange River System Analysis;
- the Orange River Replanning Study;
- the Vaal Augmentation Planning Studies (Tugela/Vaal Transfer Scheme, Orange/Vaal Transfer Scheme, Lesotho Highlands Project Further Phases);
- the Ladysmith Flood Attenuation Scheme (Quedusizi Dam)
- the Klein Karoo Rural Water Supply Scheme.

She initiated and developed the departmental processes for the zoning of dam basins (including zoning guidelines and policies) for the Department of Water Affairs and Forestry. (This document has recently been extensively revised to include the latest legislative requirements according to the National Water Act, Act 36 of 1988.) The purpose of the dam zonings is mainly to guide conservation, recreation,

sport and tourism development and to ensure optimum utilization of a state asset. She was responsible for, or involved with, numerous dam zonings which include, amongst others,

- Roodeplaat Dam;
- Ebenezer Dam;
- Sterkfontein Dam;
- Wriggleswade Dam.

During her employment with the Department of Water Affairs and Forestry, she was also responsible for the arrangement of numerous environmental workshops which include, the following :

- Orange River Environmental Workshops No 1 & 2
- Umgeni River Environmental Impact Assessment Workshop
- Tugela River Instream Flow Requirement Workshop
- Interbasin Transfer Workshop

The involvement and attendance of the above events included in most cases the compilation of workshop programmes and information documents, participation in presentations and discussions, the documenting of proceedings, findings and recommendations as well as assistance in the writing of the final reports.

Ms Grobler has on a regular basis been invited (from 1994 to 1997) to present lectures on the recreational utilization of dam basins for the post-graduate course SHC788 Environmental Engineering for the Civil Engineering Department of the University of Pretoria.

Ms Grobler was co-author of the chapter on the environment in the publication "Large Dams and Water Systems in South Africa", published by the Department of Water Affairs and Forestry, May 1994. Ms Grobler was responsible for the section on the zonings of dam basins.

## LANDSCAPE DYNAMICS

Ms Grobler established the environmental consultancy firm Landscape Dynamics cc in May 1997. Since this date, she continued with dam zoning projects for the Department of Water Affairs and Forestry, but the emphasis of work undertaken by Landscape Dynamics is at present in the field of Environmental Impact Assessments for both private and government institutions. Experience in detail landscape design was obtained through her responsibility for landscape projects (design and/or construction) primarily for private institutions.

*Detail information on Ms Grobler's working experience since 1997 is included in the Company Profile of Landscape Dynamics. As Managing Member of Landscape Dynamics, Ms Grobler was either project manager or co-responsible for the end-product of all mentioned projects.*