

**ENVIRONMENTAL IMPACT ASSESSMENT FOR THE PROPOSED
ESKOM HYDRA – PERSEUS 765 KV TRANSMISSION POWER LINE**

KEY STAKEHOLDER AND PUBLIC WORKSHOP PROCEEDINGS

Vanderkloof Holiday Resort
02 November 2005
10H00 – 13H00

Should participants who attended the workshop, request any changes to these proceedings, please do so in writing within two weeks of receipt.

Facilitator: Ms Karin Bowler

DRAFT AGENDA

ITEM	WHO
Registration & tea/coffee	ACER (Africa) All
Welcome, Introduction & meeting objectives	Facilitator
Project need	Carol Streaton, Eskom Transmission
Discussion	All
Project background	Hanre Crous, ARCUS GIBB
Discussion	All
Tea	All
EIA process	Jaana-Maria Ball, ARCUS GIBB
Discussion	All
Scoping process to date	Hanre Crous, ARCUS GIBB
Discussion	All
Tea	All
Public participation process to date	Bongi Shinga, ACER (Africa)
Discussion	All
Negotiation process and construction phase	Carol Streaton, Eskom Transmission
General discussion	All
Way forward and closure	Facilitator
Lunch	All

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1. REGISTRATION

The attendance registers are attached as Appendix 3. Representation comprised the following:

- Local and District Municipalities
- National and Provincial Government Departments of Public Works, Roads and Transport; Minerals and Energy; Land Reform; Water and Forestry; Agriculture and Environment.
- Farmers Unions and Associations.
- Water User Associations.
- Conservation Authorities and nature reserves.
- Private landowners.
- Mining.
- Statutory and regulatory bodies.
- Public enterprises, utilities and agencies.

2. WELCOME, INTRODUCTION AND MEETING OBJECTIVES

2.1 Welcome and introduction

The Facilitator, Ms Karin Bowler, welcomed all those present and thanked the stakeholders for their participation in the Environmental Impact Assessment (EIA) process for the proposed Eskom Hydra-Perseus 765kV Transmission Power Line. She then introduced the project teams.

Lead Environmental Consultant Team

Name	Organisation
Jaana-Maria Ball	ARCUS GIBB
Hanre Crous	ARCUS GIBB

Eskom Transmission Project Team

Name	Organisation
Carol Streaton	Eskom: Transmission Division
Chris Vuso	Eskom: Transmission Division
Jose Diez Serano	Trans-Africa Projects

Public Participation Team

Name	Organisation
Bongji Shinga	ACER (Africa)
Suzette Hattingh	ACER (Africa)
Jan Combrinck	Local Public Involvement Officer

2.2 Apologies

The following apologies were received by ACER (Africa):

Name	Organisation
Mr Michael Oberholzer	Dept of Minerals and Energy: Free State Regional Office
Mr Gabriel Tlhapi	South African Heritage Resources Agency
Ms Colene Runkel	SANRAL: Western Region
Mr Visser	Dept of Water Affairs and Forestry
Mr Wynand Fourie	Dept of Environmental Affairs and Tourism
Mr Anton Troskie	Free State Department of Public Works, Roads and Transport
Mr Mark Anderson	Northern Cape Dept of Tourism, Environment and Conservation
Mr Casper Landman	SANRAL: Eastern Region
Mr Nigel Anderson	Birdlife SA
Mnr JP du Plessis	Luckhoff en NKWV Boerevereniging
Col G van Zyl	RFIM Bloemfontein
Mr Michael Burgess	Vrystaat Landbou
Mr John Dini	South African National Botanic Institute
Ms Victoria Clarke	Development Bank of Southern Africa
Mr Merwie Fourie	Dealesville Boerevereniging
Ms Suzanne Erasmus	WESSA Northern Cape
Ms Tania Anderson	WESSA Northern Cape
Mr Duart Hugo	Free State: Dept of Tourism, Economic and Environmental Affairs
Ms Mmasaku Mohale	Free State Agricultural Research Council
Mr Seiso Mohai	Free State Dept of Public Works
Mr Stuart Dunsmore	PBA International (SA)

2.3 Meeting objectives

The primary objectives of this meeting were as follows:

- Provide stakeholders with an overview of the proposed development by Eskom.
- Identify issues relating to the proposed transmission power line (negatives and positives).
- Promote common understanding of complexity of project and relationships between issues.
- Provide an opportunity for stakeholders to comment, ask questions and raise issues to be addressed by Eskom and the EIA Project Team.
- Conduct constructive debate and discussion.

3. PROJECT NEED

Ms Carol Streaton, Eskom Transmission presented and discussed the need for the proposed Eskom Hydra – Perseus 765 kV Transmission Power Line. By way of introduction, she explained the nature of bulk electricity supply highlighting the activities taking place from Generation, Transmission and Distribution to reticulation lines.

- Generation deals with the generation of electricity and is responsible for power generation stations, including hydro-electric schemes.

- Transmission builds high voltage power lines from 765kV – 220kV. Eskom Transmission only deals with transporting bulk power supply from Generation Stations and large power users via the national network.
- Distribution builds power lines from 132kV – 11kV. They are responsible for the distribution of electricity to municipalities as well as rural areas.

The following key points were highlighted as part of the presentation:

- Graphically indicated the new load, excluding natural growth, and the normal load that Eskom can supply everyday.
- Graphically indicated Eskom’s plans from year 2003 - 2022 to help meet the electricity demand forecasts for the country. These included recommissioning mothballed power stations, building new coal and gas fired plants and hydro-electric schemes.
- The government is also introducing Independent Power Producers (IPPs) in the local power generation industry. The introduction of the IPPs is aimed at helping meet the increasing peak power demand.
- All Eskom initiatives including government plans are to keep pace with electricity demand fuelled by economic growth.

The summary of the information presented is provided in Appendix 2. The issues raised and discussed following Ms Streaton’s presentation are summarised in Appendix 1.

4. PROJECT BACKGROUND

Mr Hanré Crous, ARCUS GIBB presented the description of the proposed Hydra - Perseus 400 kV Transmission Power Line.

The summary of the information presented is provided in Appendix 2. The issues raised and discussed following Mr Crous’s presentation are summarised in Appendix 1.

5. EIA PROCESS

Ms Jaana-Maria Ball, ARCUS GIBB presented and discussed the objectives of the EIA process. By way of introduction she stated that a construction of a transmission power line is a listed activity:

“Listed activity 1 (a): construction, erection or upgrading of facilities for commercial electricity generation with an output of at least 10MW and infrastructure for bulk supply”

5.1 Legal requirements and environmental authorities

Regulation 1182 promulgated in terms of Section 21 of Environmental Conservation Act, Act 73 of 1989, specifies a number of activities, which may have a detrimental effect on the environment. The construction of a transmission power line is a listed activity and may not be undertaken without authorisation from the Minister of Environmental Affairs and Tourism.

The relevant authority for the proposed development is the National Department of Environmental Affairs and Tourism (DEAT) with recommendations from its provincial counterparts: the Free State Department of Tourism, Environmental and Economic Affairs and the Northern Cape Department of Tourism, Environment and Conservation.

5.2 Outline of the EIA process

A diagram indicating a detailed EIA approach and the process being followed for the proposed Hydra-Perseus 765kV transmission line was outlined and discussed.

The summary of information presented is provided in Appendix 2.

6. SCOPING PROCESS TO DATE

Mr Hanré Crous, ARCUS GIBB presented and described the scoping process and the activities that have been undertaken to date. The following sections were covered in his description:

- Project description and technical details.
- Location and extent of study area.
- Project alternatives.
- Description of baseline environment by specialists and preliminary findings.
- Potential environmental impacts.

The summary of the information presented is provided in Appendix 2. The issues raised and discussed following Mr Crous's presentation are summarised in Appendix 1.

7. NEGOTIATION PROCESS AND CONSTRUCTION PHASE

Ms Carol Streaton, Eskom Transmission presented and discussed the negotiation process, which takes place once the proposed project has been authorised by the relevant authorities and prior to construction. Also a detailed explanation of the construction process supported by visuals was presented.

The summary of the information presented is provided in Appendix 2. The issues raised and discussed following Ms Streaton's presentation are summarised in Appendix 1.

8. PUBLIC PARTICIPATION PROCESS TO DATE

Ms Bongi Shinga, ACER (Africa) presented the public participation process. The following sections were covered in the presentation:

- The objectives of the public participation process.
- Roles and responsibilities of stakeholders.
- Roles and responsibilities of the public participation team.
- Opportunities for participation.
- Sectoral and stakeholder representation.
- Consultation with stakeholders to date.

The summary of the information presented is provided in Appendix 2.

9. WAY FORWARD

The Facilitator summarised the issues raised at the workshops as captured in Appendix 1. She stated that these issues were crucial to the EIA process and that they had been recorded and would be included in the minutes of the meeting and the Draft Scoping Report, which would be distributed for public review. She added that the Draft Scoping Report would indicate how issues raised had been

addressed. It was further confirmed that the public would be notified of the period when the Draft Scoping Report would be available for public review.

The Facilitator requested stakeholders to:

- Assist the Project Team by indicating the boundaries of their farms, properties, areas of special interest that may be affected by the proposed development.
- Submit written comment to the Public Participation Office:
ACER (Africa)
Tel: 086 010 4958
Fax: 035 340 2232
Email: eskomHP@acerafrica.co.za

10. THANKS AND CLOSURE

The Facilitator thanked stakeholders and the project team for their input and participation in the process and closed the meeting.

APPENDIX 1: RECORD OF ISSUES RAISED AND DISCUSSED AT THE WORKSHOP

NOTE: Should you as a participant at the meeting not agree to the way in which ACER has captured your issue, please do not hesitate to provide your requested changes in writing within two weeks of receiving this document.

No	Name and organisation	Comment	Response
1	Mr Piet Kruger Department of Agriculture	Why Eskom is not using alternative power sources such as solar power generation or what is the possibility of using solar energy instead of building a new transmission power line?	Ms Carol Streaton indicated that Eskom is continuously investigating alternative power generation sources. However, solar energy is not an option to deliver power for large industrial development e.g. smelters.
2	Ms Sandra Jane Hedges Rolfontein Nature Reserve	Alternative power sources – use of coal vs gas turbines?	Eskom uses gas turbines to deliver power a peak times because they can be switched on and off easily. Start uptime for coal-fired generation in the power station takes up to 8 hours.
3	Mr Abraham van Zyl Vanderkloof Boerevereniging	What will be the effect of the proposed project on electricity price?	Ms Carol Streaton indicated that the National Electricity Regulator (NER) governs Eskom. Therefore, Eskom tariffs are governed by the NER. Eskom's policy is to keep electricity prices as low and affordable as possible. However, Eskom cannot guarantee that electricity prices will not increase. If electricity prices increase, they basically increase for everyone.
4	Mr Reggie Sibley Oppermans Community	How does Eskom manage the demand for electricity? Will there be dual pricing for households, industries and commercial?	Information in this regard will be requested from Eskom and set out in the Draft Scoping Report. Eskom does not want to create a burden for industry. There needs to be a balance in terms of cost recovery as well as creating opportunities for new business in the country.
5	Mr Pierre van den Berg Phillipstown Boerevereniging	Eskom is investigating the possibility of a Pebble Bed Modular Reactor (PBMR) in Coega - any comments regarding this as an alternative power source.	Eskom is looking at implementing a nuclear source. However Eskom's decision needs to be informed by the amount of waste that will be generated, capital costs, consideration of strategic decisions and the receiving environment. In addition, for the PBMR to be considered as an alternative source, the social, economic and environmental costs have to be looked at.

No	Name and organisation	Comment	Response
6	Mr Pierre van den Berg Phillipstown Boerevereniging	Any comments regarding coal shortages?	Coal shortage is becoming a reality. The best alternative will be nuclear generation, but this requires a change in people's mindset. Nuclear energy is safe and Eskom has established a good record with the Cape Town Station. Eskom perceives the pebble bed nuclear power stations as safe if they are maintained properly.
7	Mr Reggie Sibley Oppermans Community	Impact of soil types on the tower structures needs to be looked at. Design feature to prevent or reduce corrosion by 'salty' soils? Has Eskom not come up with some alternatives or improvements in order to prevent corrosion or how to manage content of the soil?	Noted. Mr Jose Diez Serano indicated that Eskom is busy with a study that is investigating solutions that will remedy the effects of salt content on tower structures, etc.
8	Mr Buks Roets Dept of Tourism, Environmental & Economic Affairs	What is the impact of electromagnetic fields on plants?	There is no conclusive evidence regarding the impact of electromagnetic fields on plants. However Eskom receives updates on various research studies that are conducted.
9	Mr Francis Rahlapane Spoornet	Impact of the proposed power line on railway lines. Eskom needs to indicate or include the crossing of railway lines, e.g. building next to the railway lines, etc. Northern Cape and Free State SpoorNet Offices should be contacted in this regard.	Noted. Noted.
10	Mr Phumulani Manzi Pixley ka Seme District Municipality	Compensation of landowners for the erection of Eskom Transmission Power Lines. Understanding of municipalities, planning for municipalities, IDPs, alignment of Eskom's development plans with the Municipalities IDPs.	Eskom pays 100% value of the land for veld, cropping, grazing, etc. Therefore Eskom compensates the value of the servitude width. Eskom does not take ownership of the land. Eskom only acquires the servitude right. If buildings have to be moved, Eskom gets a valuator to calculate the actual value to be paid to the owner. Compensation rates also take into account cases where a landowner cannot utilise his land due to fire hazards, falling trees, etc. Noted. The specialist dealing with the Social Impact will also focus on understanding the status and plans of the municipalities within the study area as outlined within their Integrated Development Plans (IDPs). Future developments/plans will also be taken into consideration.

No	Name and organisation	Comment	Response
11	Mr Willempie Nkuna Rolfontein Nature Reserve	Proposed alternative corridors - will there be any that will have a direct impact on the Rolfontein Nature Reserve?	All corridors are proposals at this stage. Eskom avoids going through Nature Reserves, as they are particularly ecologically sensitive. The preliminary findings from the fauna and flora specialists have already suggested that the power line should avoid the Rolfontein Nature Reserve for similar ecological reasons.
12	Mr Wilson Ndou Spoornet	Need to take into consideration the impact of transmission power lines on Spoornet railway lines. This would require close liaison with Spoornet prior to the finalisation of the proposed power line alignment. An application for approval needs to be submitted to Spoornet prior to construction. Francis committed himself to providing details of the technical managers for Spoornet Kimberley and Bloemfontein offices.	Ms Carol Streaton indicated that Eskom is aware of this issue as power lines interfere with the Spoornet lines. Eskom will liaise and send plans to Spoornet for approval prior to construction. Therefore Eskom will liaise closely with Spoornet during the planning phases. Noted. This information has been submitted to ACER (Africa) and relevant Spoornet officials contacted telephonically. Project background information has also been submitted.
13	Mr Pieter Rossouw Department of Water Affairs and Forestry – Vanderkloof Dam	There is an important development for economic and agricultural use that is in the Jacobsdal area. This needs to be taken into consideration. It consists of a large number of hectares that are earmarked for agricultural development.	Noted. This information will be submitted to specialists dealing with land use.
14	Mr Rudzani Mudau Department of Minerals and Energy: Northern Cape Regional Office	Have you identified properties within the study area where there are mineral rights? There are a number of prospecting and mining applications in the study area. DME also offered to assist with the gathering of information.	Ms Jaana-Maria Ball & Bongsi Shinga indicated that a meeting was held with DME, Northern Cape Regional Office and are awaiting for the response from them. At the meeting DME agreed to provide the Public Participation Consultant with a list of properties that are affected. ACER (Africa) will follow up with DME regarding the receipt of 1:250 000 maps and timeframes for the provision of available information.
15	A stakeholder*	What are the limits for Electromagnetic Fields?	Mr Jose Diez Serano explained that the EMF limits are based on international standards. In addition, the standards for building a power line are set to meet international requirements. The conductor has a specific limit set for rising above the ground. The higher the conductors off the ground, the more the EMF levels are reduced. The servitude of the line is dictated by how much the conductors/line will swing during windy periods.

No	Name and organisation	Comment	Response
16	Mr David Smit Northern Cape Provincial Land Reform Office	Eskom needs to liaise with the Department of Land Affairs regarding the communal land within the Oppermans area under the Letsemeng Local Municipality. The land in Oppermans is owned by the MEC Land Affairs. Therefore permission should be obtained from the MEC before any structures can be erected on the land. Mr Reggie Sibley is the contact person.	Noted, the Public Participation Consultant will ensure that the Department of Land Affairs is involved in the study. Noted.
17	Mr Piet Kruger Department of Agriculture, Koffiefontein	In terms of centre pivots of the individual farmers, what are the limits of towers regarding the 400m radius of centre pivots?	Towers can expand or be reduced to the minimum or maximum diameter. They can deviate slightly to avoid the pivot.
18	A stakeholder*	Can a farmer still irrigate with a centre pivot under the power line?	Yes, farmers can still irrigate.
19	Mr Casper Badenhorst Taaiboschdraai, Petrusville	Eskom needs to consider areas where there are existing centre pivots and avoid placement of towers. Consider placement of towers with regards to centre pivots.	Noted. This will also depend on the costs associated with the relocation of centre pivots vs costs associated with the realignment of towers. Noted.
20	Mr Willempie Nkuna Rolfontein Nature Reserve, Northern Cape Dept of Tourism, Environment and Conservation	What is Eskom's position regarding the removal and replacement of infrastructure? Will Eskom rebuild the same structure of the same value if Eskom relocates or replaces the structure?	Eskom ensures that they put people in a similar or a much better condition than before. Everything is done in consultation with the affected landowner.

No	Name and organisation	Comment	Response
21	Mr Willempie Nkuna Rolfontein Nature Reserve, Northern Cape Dept of Tourism, Environment and Conservation	It has been mentioned that Eskom will use or stay within existing roads, what happens if the contractor drives off the existing road, will there be a penalty? Enforcement of the Environmental Management Plan and the role of Environmental Control Officer are important and require attention.	Mr Chris Vuso explained that during negotiations with affected landowners, landowner conditions form part of the agreement. Therefore a penalty can be established if it forms part of the negotiation process and contract between Eskom and the respective farmer. However and despite the contract/agreement, Eskom should repair any roads they damage during construction or maintenance of the line. Also landowners are expected to 'sign off' repairs for any damage caused during construction before Eskom will let the contractor leave the site. A landowner has an opportunity to state his special conditions as part of the contract. The farmers' special conditions and specifications should be adhered to. Eskom/contractor cannot do as they like; they have to continuously strive to maintain a good relationship between farmers/landowners and Eskom. In addition, the Environmental Management Plan will contain how this should be dealt with.
22	Mr Abraham van Zyl Vanderkloof Boerevereniging	In terms of centre pivots, the highest point of centre pivots when not controlled can be 6 or 7m high. What is the clearance between the centre pivot and the lowest point of the line? Is there a safe distance or clearance height as the fountain can be of danger to the power line?	Eskom will take the clearance height into consideration during the design of the 765kV Transmission Power Line. Currently, 14m – 15m is the clearance distance which can extend up to 20m. Mr Abraham van Zyl should provide details of the dimensions, size and length required for the centre pivots when controlled and uncontrolled.
23	Mr Reggie Sibley Oppermans Community	There are numerous small pump stations and distribution lines that need to be considered for safety purposes.	During the final selection of the route, a laser photo imagery, which picks up all structures, will be used.
24	Mr Rabbie Rens National African Farmers Union	Eskom needs to consider the impact of Transmission Power Lines on the existing distribution lines. There are also additional local substations where farmers generate electricity for their irrigation. What safety clearance is required for these lines?	Mr Jose Diez Serano indicated that satellites will be used to pick up all the lines going in and out of the area in order to allow a safe distance between the lines. Existing lines are always taken into consideration when servitude is acquired.
25	Mr Jurgens van den Heever Phillipstown Boerevereniging	Erosion control. Provision of water during construction.	Noted.

No	Name and organisation	Comment	Response
26	Mr Abraham van Zyl Vanderkloof Boerevereniging	Landowner issues range from construction camps, potential theft of game and livestock. Will these issues be taken into consideration when negotiating with landowners? Security issues associated with the construction camps and potential theft during construction requires reasonable action. Negotiation process is important and farmers should be informed of the conditions for the agreement	Mr Chris Vuso stated that Eskom emphasises all landowner specifications to the contractor, i.e. all special conditions that need to be taken into consideration. Ms Jaana-Maria Ball added that there will also be clauses in the Environmental Management Plan, which aim to deal with these issues. Noted.
27	Mr Reggie Sibley Oppermans Community	What job opportunities will be available during construction? Will the Oppermans area benefit?	Ms Carol Streaton highlighted that the construction of a power line requires specialist skills, therefore contractors use their skilled and specialised labour. There are minimal job opportunities available, which are not specialised in nature.
28	Mr Rudzani Mudau Dept of Minerals and Energy, Northern Cape Regional Office	What are Eskom's corporate social responsibilities after the construction of the power line, i.e. apart from compensation?	In responding Ms Carol Streaton stated that Eskom has a Department that deals with social issues. If areas that need attention are brought to Eskom, Eskom takes care of them. Obviously, there is a criterion applied in dealing with the social issues.
29	Ms Jabulile Mthukwane Berg van Hoop Farmers Association	Koffiefontein small-scale farmers, mainly irrigating maize and wheat, are experiencing problems with reading their electricity metres. Can Eskom assist farmers with training on reading their electricity meters/boxes? The contact person is Daniel Mahura, Chairperson of Berg van Hoop Farmers Association.	Comment noted and will be forwarded to the relevant Eskom Distribution Offices.
30	Mr Francois Taljaard Emthanjeni Local Municipality	Restrictions on the 80m servitude - are you allowed to drill for water within an 80-metre servitude? What if the only source for water is groundwater and is within the 80m servitude?	Drilling is not allowed under power lines. The power line could be aligned in order to avoid the area of concern.
31	Mr Piet Kruger Dept of Agriculture, Koffiefontein	Koffiefontein and Jacobsdal requires power for agricultural developments. It would be worthwhile to convene a meeting with Eskom in order to discuss the electrical needs of the agricultural sector within their area of operation.	Comment noted. Information will be passed on to Eskom Distribution for their attention.

No	Name and organisation	Comment	Response
32	Mr Rudzani Mudau Dept of Minerals and Energy, Northern Cape Regional Office	What is the status of the servitude once the power line is constructed?	<p>Servitude is a natural habitat as determined by the Act. It is safe underneath the servitude, however humans are not allowed to live underneath or within the servitude. A distance of 27.5m from the centre of the power line to the beginning of a domestic house is allowed.</p> <p>Once a servitude has been acquired, Eskom only has the authority to build or construct the power line within the specified servitude, however the land remains the responsibility of the landowner/farmer.</p>
33	Mr Casper Badenhorst Taaiboschdraai, Petrusville	How can a landowner be assured that bad behaviour will not be accepted in his farm? Can a landowner obtain proof from Eskom that should all requirements not be met during construction, a landowner will be compensated accordingly?	<p>The agreement between Eskom and the landowner becomes written proof of the 'Terms of Agreement'. All specifications within the agreement need to be adhered to by Eskom. Eskom also appoints an Environmental Control Officer who is on site everyday during construction.</p> <p>At the end of construction, a landowner is expected to "sign off the servitude documentation". In this document, a landowner needs to indicate if he is happy with the work that has been undertaken within his property. A landowner concerned is not expected to sign off the documents if there are still outstanding issues.</p>

No	Name and organisation	Comment	Response
34	Mr David Smit Northern Cape Provincial Land Reform Office	What process will be followed in choosing an alternative?	<p>Alternatives to the construction of a transmission power line from the Hydra to Perseus substation were considered as part of Eskom's broader network strengthening project. These alternatives included the use of Beta substation instead of Perseus and the use of proposed new generation facilities/ imported power outside Mpumalanga. A number of alternative transmission line corridor alignments were identified during the site visit by the specialist and EIA team. Further alternative corridors could be identified during the public consultation process for the Scoping Phase. The EIA team will then evaluate alternatives taking into account the issues raised by stakeholders, the specialist studies and Eskom's technical constraints. This evaluation will be presented in the Draft Scoping Report, which will be available for comment. Comments received will be taken into account in the final recommendations for alternatives to be taken forward in the Impact Assessment Phase of EIA. This recommendation will be submitted to the relevant environmental authority, DEAT for their decision at the end of the Scoping Phase. One or two alternative corridors will be taken forward to the Impact Assessment Phase for further specialist study.</p>

APPENDIX 2: PRESENTATIONS AT THE KEY STAKEHOLDER AND PUBLIC WORKSHOP

Please note: Due to the sheer size/numbers of presentations, they can only be made available upon request.

APPENDIX 3: ATTENDANCE REGISTER

ESKOM HYDRA-PERSEUS 765kV Transmission Power Line/765kV Transmissie Kraglym

ENVIRONMENTAL IMPACT ASSESSMENT KEY STAKEHOLDER AND PUBLIC WORKSHOP - ATTENDANCE REGISTER

Date: 02 November 2005
Time: 10H00 - 13H00
Venue: Vanderkloof Holiday Resort Conference Hall

Title e.g. Mr	Full Name & Surname	Organisation, Position	Postal Address e.g. P O Box 503 Mtunzini 3867	Telephone, Fax, Cell & E-mail	Farm Name, Number & Sub Division number
	Full Name FRANCIS Surname RAHLAPANE	Organisation SPOORNET Position ENVIRONMENTAL OFFICER	Address P.O. Box 2189 Joubert Park City/Town Breezyvale 548 Postal Code 2044	T 011 774 4664 F 011 773 4511 C 083 414 4293 E francis@spoornet.co.za	Farm Name N/A Farm No. Sub-division No.
	Full Name Surname	Organisation Position	Address City/Town Postal Code	T F C E	Farm Name Farm No. Sub-division No.
	Full Name Surname	Organisation Position	Address City/Town Postal Code	T F C E	Farm Name Farm No. Sub-division No.
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	Full Name Surname	Organisation Position	Address City/Town Postal Code	T F C E	Farm Name Farm No. Sub-division No.

ESKOM HYDRA-PERSEUS 765kV Transmission Power Line/765kV Transmissie Kraglym

ENVIRONMENTAL IMPACT ASSESSMENT

KEY STAKEHOLDER AND PUBLIC WORKSHOP - ATTENDANCE REGISTER

Date: 02 November 2005
Time: 10H00 - 13H00
Venue: Vanderkloof Holiday Resort Conference Hall

Title e.g. Mr	Full Name & Surname	Organisation, Position	Postal Address e.g. P O Box 503 Mtunzini 3857	Telephone, Fax, Cell & E-mail	Farm Name, Number & Sub Division number
	Full Name <i>Chris</i> Surname <i>Pienaar</i>	Organisation <i>KWDA</i> Position <i>CEO</i>	Address <i>Box 287</i> City/Town <i>Poffenort/FR1A</i> Postal Code <i>9986</i>	T <i>053-2050485</i> F <i>053-2050667</i> C <i>0834575123</i> E <i>chriskugv@nsinet.co.za</i>	Farm Name Farm No. <i>KWDA</i> Sub-division No.
	Full Name <i>Marius</i> Surname <i>Schuurman</i>	Organisation <i>KWGV</i> Position <i>WBB</i>	Address <i>Bvd 257</i> City/Town <i>Koffiefontein</i> Postal Code <i>9986</i>	T <i>053-2050495</i> F <i>053-2050667</i> C <i>083 457 9125</i> E <i>mbri@kwgv@nsinet.co.za</i>	Farm Name Farm No. <i>KWGV</i> Sub-division No.
	Full Name <i>Quedha Rabie</i> Surname <i>Ruus</i>	Organisation <i>National African farmers Union</i> Position <i>Chairman (Lebeseig)</i>	Address <i>P.O. Box 23</i> City/Town <i>Koffiefontein</i> Postal Code <i>9986</i>	T F <i>053-2050 033</i> C <i>073-3440 885</i> E	Farm Name <i>Goedraai bukebeek</i> Farm No. <i>190</i> Sub-division No. <i>182</i>
	Full Name <i>R.G. Sibley</i> Surname <i>SIBLEY.</i>	Organisation <i>Spiermans</i> Position <i>Gemeenskap lid.</i>	Address <i>Mulderskop</i> <i>P.K. Spiermans</i> City/Town <i>Koffiefontein</i> Postal Code <i>9986</i>	T <i>053 242 644 502.</i> F C <i>082 9377571</i> E	Farm Name <i>K.W.U.A.</i> Farm No. Sub-division No.
	Full Name <i>Janine</i> Surname <i>Benjamin</i>	Organisation <i>Dep of Agriculture</i> Position <i>Project officer</i>	Address <i>20 Crawford Str / P.O. Box 56</i> City/Town <i>Koffiefontein</i> Postal Code <i>9986</i>	T <i>053 2050080/91</i> F <i>053 2050123</i> C <i>0839607202</i> E <i>koffiefont@agrim.fo.gov.za</i>	Farm Name Farm No. Sub-division No.
	Full Name <i>Joseph</i> Surname <i>Krummeyer</i>	Organisation <i>Eberegar Project</i> Position <i>Treasurer</i>	Address <i>393 Muthibela St.</i> City/Town <i>Koffiefontein</i> Postal Code <i>9986</i>	T <i>053 2050393</i> F C <i>0832377456</i> E	Farm Name <i>Ganenkai</i> Farm No. Sub-division No.
	Full Name <i>Sandra Jane</i> Surname <i>Hedgcs</i>	Organisation <i>CNC</i> Position <i>Asst. Manager - Koffiefontein NR</i>	Address <i>P.O. Box 23, V/Kloof</i> City/Town <i>Vanderkloof</i> Postal Code <i>8771</i>	T <i>053 6640170</i> F <i>053 6640187</i> C <i>072 6692088</i> E	Farm Name <i>Koffiefontein NR.</i> Farm No. Sub-division No.

ESKOM HYDRA-PERSEUS 765kV Transmission Power Line/765kV Transmissie Kraglyn

ENVIRONMENTAL IMPACT ASSESSMENT KEY STAKEHOLDER AND PUBLIC WORKSHOP - ATTENDANCE REGISTER

Date: 02 November 2005
Time: 10H00 - 13H00
Venue: Vanderkloof Holiday Resort Conference Hall

Title e.g. Mr	Full Name & Surname	Organisation, Position	Postal Address e.g. P O Box 503 Mtunzini 3867	Telephone, Fax, Cell & E-mail	Farm Name, Number & Sub Division number
	Full Name BAREND JACOBUS Surname VAN WYNGAARD	Organisation DEPT OPENBARE WERKE PAPIE EN VERWER. Position HOOF PAPIESUIT.	Address POSBUS 27163 EHRICHSPARK 9312 City/Town BLOEMFONTEIN Postal Code 9312	T 051 4357591 F 051 4357591 C 072 389 6019 E barend@freetrans.gov.za	Farm Name Farm No. Sub-division No.
	Full Name DANIE de WED. Surname De WED.	Organisation ORANJE-KIEK WJV. Position Hoof tegewin bevoegde.	Address POSBUS 202 City/Town Sec ossdal. Postal Code 5710	T 053 591 9204 F 053 591 0416 C 082 968 2718 E daniedewed@oranjekiel.	Farm Name Farm No. Sub-division No.
	Full Name JABULILE Surname MTHULWANE	Organisation Seig van Loop Position	Address 664 Mathubela St City/Town KOFFIEFONTEIN Postal Code 7986	T F C 072 196 9581 E	Farm Name Farm No. Sub-division No.
	Full Name M KRAIZER Surname BAPELA	Organisation Dep of Agricultural Extension Position District Manager	Address PO Box 288 City/Town De Aar Postal Code 7000	T 053-631 0094 F 053-631 0564 C E kbapele@daa.nca.gov.za	Farm Name Farm No. Sub-division No.
	Full Name Julius Surname Koen	Organisation DTEC Position ASS. DIRECTOR	Address P/Bag 46102 City/Town Kimberley Postal Code 8300	T 053 8074800 F 053 8313530 C E jkoen@halk.nca.gov.za	Farm Name Farm No. Sub-division No.
	Full Name DU TOIT Surname WOUTER	Organisation RENEGOSTERBERG MUNICIPALITY Position MUNICIPAL MANAGER	Address PO BOX 40 VANDERKLOOF City/Town — Postal Code 8771	T 052 664 0050 F 052 664 0046 C E renegosterberg@muni.xsinet.co.za	Farm Name Farm No. Sub-division No.
	Full Name Casper Surname Badenhorst	Organisation Tuiskidsdriai Petrusville. Position	Address Box 90 City/Town Petrusville Postal Code 8770	T 053 663 7007 F C 082 82 89269 E	Farm Name Farm No. Sub-division No.

ESKOM HYDRA-PERSEUS
765kV Transmission Power Line/765kV Transmissie Kraglym
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Title e.g. Mr	Full Name & Surname	Organisation, Position	Postal Address e.g. P O Box 503 Mtunzini 3867	Telephone, Fax, Cell & E-mail	Farm Name, Number & Sub Division number
	Full Name DANIEL FOROSO Surname MAHURA	Organisation Berg van HOOP Position VICE CHAIRMAN	Address 914 MATHEBELASSE City/Town Postal Code	T 0837433668 F C E	Farm Name Berg van HOOP TRUST Farm No. Sub-division No.
	Full Name BEES Surname ROETS	Organisation DIEEA Position REGIONAL MANAGER	Address ZEPHORA RD. 97 City/Town EFR. Postal Code 99301	T 4009800. F C E	Farm Name Farm No. Sub-division No. —
	Full Name Abraham Surname van Zyl	Organisation Van der Kooi Boereverenging Position Voorsitter	Address Bus 158 Orania City/Town Postal Code 8752	T F C 0825249013 E	Farm Name Kalkplaat Farm No. Sub-division No.
	Full Name Wellempie Surname Nkuna	Organisation NC Position TOURISM, ENVIRONMENT and CONSERVATION	Address City/Town Postal Code	T F C 083758386A E	Farm Name Farm No. Sub-division No.
	Full Name Willem van Surname NAOE	Organisation VPR: Dept Public Works, Roads + Transport Position Contra Teknikum	Address P.O. Box 690 City/Town BLOEMFONTEIN Postal Code 9700	T (051) 4078592 F (051) 4078576. C 083 381 5903 E	Farm Name Farm No. N/A. Sub-division No.
	Full Name DAVID Surname SMIT	Organisation NORTHERN CAPE PROVINCIAL LAND REFORM OFFICE Position DEPUTY DIRECTOR	Address P/BAG X5007 City/Town KIMBERLEY Postal Code 8300	T 053 8304013 F 052 8314095 C 082 82 25102 E ddsmit@dlr.gov.za	Farm Name Farm No. Sub-division No.
	Full Name ANARIES. S. Surname WINKEL	Organisation D.I.E.E.A. Position LNC	Address P.O. Box-78 KALFONHEIN - N/RESERVE City/Town FAURESMITH- Postal Code 9978	T 051722-1441 F 051-7230134. C 072-3073711. E N/A	Farm Name Farm No. Sub-division No.

ESKOM HYDRA-PERSEUS 765kV Transmission Power Line/765kV Transmissie Kraglym

ENVIRONMENTAL IMPACT ASSESSMENT

KEY STAKEHOLDER AND PUBLIC WORKSHOP - ATTENDANCE REGISTER

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Title e.g. Mr	Full Name & Surname	Organisation, Position	Postal Address e.g. P O Box 503 Mtunzini 3867	Telephone, Fax, Cell & E-mail	Farm Name, Number & Sub Division number
	Full Name <i>Piet Krüger</i> Surname <i>Krüger</i>	Organisation <i>Dept. Agriculture</i> Position <i>Soil Conservation / handboek</i>	Address <i>PO Box 56</i> <i>Koffiefontein</i> City/Town <i>Koffiefontein</i> Postal Code <i>9986</i>	T <i>053-2050030</i> F <i>053-2050033</i> C <i>072 8254724</i> E <i>Koffiefontein@agric.fs.gov.za</i>	Farm Name Farm No. Sub-division No.
	Full Name <i>GAVIN</i> Surname <i>ANDERSON</i>	Organisation <i>MCM KOFFIEFONTEIN</i> <i>MINE</i> Position <i>ENVIRONMENTAL CAPISER</i>	Address <i>P.O. Box 80</i> <i>KOFFIEFONTEIN</i> City/Town <i>KOFFIEFONTEIN</i> Postal Code <i>9986</i>	T <i>053 2055087</i> F <i>053 705 5026</i> C <i>082 877 8475</i> E <i>gavin.anderson@elebeengroup.com</i>	Farm Name Farm No. Sub-division No.
	Full Name <i>BRIAN</i> Surname <i>COLAHAN</i>	Organisation <i>TOURISM, ENVIRONMENT</i> <i>& ECONOMIC AFFAIRS (FAGE STATE)</i> Position <i>ORNIATOLOGIST</i>	Address <i>P/BAG Y 20201</i> City/Town <i>ALOEUFONTEIN</i> Postal Code <i>7300</i>	T <i>051-400 4787</i> F <i>400 4811</i> C E <i>colahan@dtca.fs.gov.za</i>	Farm Name Farm No. Sub-division No.
	Full Name <i>MARY</i> Surname <i>BOSSMAN</i>	Organisation <i>VTEEF</i> Position <i>RESERVE MANAGER</i>	Address <i>Box 18</i> <i>YAKIEPDAAN</i> City/Town <i>YAKIEPDAAN</i> Postal Code <i>9922</i>	T <i>051-754 0026</i> F <i>754 0026</i> C E	Farm Name <i>CYARIEPDAAN</i> Farm No. Sub-division No.
	Full Name <i>JOSE</i> Surname <i>DIEZ SERRANO</i>	Organisation <i>ESKOM (CED)</i> Position <i>SNR CONSULTANT</i> <i>(STRUCTURES)</i>	Address <i>PO Box 6583</i> <i>HALFWAY HOUSE MIDRAND</i> City/Town <i>JOHANNESBURG</i> Postal Code <i>1625</i>	T <i>011 2059442</i> F <i>011 2059442</i> C <i>083 253766</i> E <i>Josed6taprojects.co.za</i>	Farm Name Farm No. Sub-division No.
	Full Name <i>ROSSOUW</i> Surname <i>PIETER</i>	Organisation <i>WATER AFFAIRS</i> Position <i>NEA MANAGER</i>	Address <i>1/BAG K 01</i> City/Town <i>VANDERKLOOF</i> Postal Code <i>8771</i>	T <i>053-664 9400</i> F <i>053-664 0003</i> C <i>082 809 6348</i> E <i>ROSSOUW P @ DWA.F.GOV.ZA</i>	Farm Name Farm No. Sub-division No.
	Full Name <i>DOBBERY</i> Surname <i>PIERRE</i>	Organisation Position	Address <i>Lus 476</i> City/Town <i>De Haer</i> Postal Code <i>7000</i>	T <i>053-6657030</i> F <i>053-6657030</i> C E	Farm Name <i>TAFELKOP</i> Farm No. <i>PHILIPSTOWN</i> Sub-division No.

ESKOM HYDRA-PERSEUS 765kV Transmission Power Line/765kV Transmissie Kraglym

ENVIRONMENTAL IMPACT ASSESSMENT


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Title e.g. Mr.	Full Name & Surname	Organisation, Position	Postal Address e.g. P O Box 503 Mturzini 3867	Telephone, Fax, Cell & E-mail	Farm Name, Number & Sub Division number
Mr	Full Name Jurgens Surname v d Heever	Organisation Phillipstown B/O. Position	Address City/Town Postal Code	T F C E	Farm Name Farm No. Sub-division No.
Ms.	Full Name Gabri Natasha Surname Gabriels.	Organisation ARC Position NC Coordinator	Address Private ... City/Town See Business Card Postal Code	T F C E	Farm Name Farm No. Sub-division No.
	Full Name Meshack Surname Reid	Organisation DT-EEA Position LNC	Address P.O. BOX 78 KALLFONTEIN DAM FRUITSMITH Postal Code 9978	T F C E	Farm Name Farm No. Sub-division No.
	Full Name Phumlani Manzi Surname	Organisation District Municipality Position Pixley PIMS	Address P/ Bag x105 City/Town De Aar Postal Code	T 053 631 0891 F 053 631 1664 C 0731816428 E pims@intekom.co.za	Farm Name Farm No. Sub-division No.
	Full Name LINDUWANI Surname MDDU	Organisation SPOORNET Position ENVIRONMENTAL OFFICER	Address 222 SMIT STREET City/Town JOHANNESBURG Postal Code 2000	T 011 9936109 F 011 9935411 C 011 993 1811206 E Linduwani21@spornet.co.za	Farm Name Farm No. H/A Sub-division No.
	Full Name Ruozani Surname MUDALI	Organisation DME Position ENVIRONMENTAL MANAGEMENT	Address P/BAG X 6093 City/Town KIMBERLEY Postal Code 8301	T 053 8300 800 F 053 8300 813 C 053 8300 904 E ruozani.mudali@dme.gov.za	Farm Name Farm No. Sub-division No.
	Full Name DITABA Surname MIA	Organisation ISOPAKONGS Municipality Position Councilor	Address 1742 MABELIA STR City/Town ESENBURG Postal Code 7408	T 051-7431459 F 051-7431218 C 082 782 5784 E	Farm Name Farm No. Sub-division No.

**ESKOM HYDRA-PERSEUS
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	Full Name <i>FRANCOIS</i> Surname <i>TALCAMELO</i>	Organisation <i>Emthangeni Meeie</i> Position <i>Manager: Infrastructure</i>	Address <i>Postbus 42 De Aar</i> City/Town Postal Code <i>7000</i>	T <i>0536329100</i> F <i>0536311518</i> C <i>0828016869</i> E <i>fallies@emthangeni.co.za</i>	Farm Name Farm No. Sub-division No. 
	Full Name Surname	Organisation Position	Address City/Town Postal Code	T F C E	Farm Name Farm No. Sub-division No.
	Full Name Surname	Organisation Position	Address City/Town Postal Code	T F C E	Farm Name Farm No. Sub-division No.
	Full Name Surname	Organisation Position	Address City/Town Postal Code	T F C E	Farm Name Farm No. Sub-division No.
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