

## ISSUES REGISTER TO DATE (9 DECEMBER 2003)

This is the complete Issues Register to date on the proposed 400kV Eskom Transmission line between the Perseus (near Dealesville) and Mercury (near Vierfontein) sub-stations in the Free State Province.

The Consultants responded to each issue/question/comment by providing an answer in the last column and/or providing a cross-reference to where in the Scoping and / or EIA Report more information may be obtained.

Please note that this document should be read in conjunction with the Final Scoping Report and the Draft EIA Report.

No.	SURNAME AND INITIALS	ORGANISATION	DATE	TYPE OF COMMUNICATION	ISSUE / COMMENT / QUESTION	CROSS-REFERENCE TO REPORT / RESPONSE
15/04-1	Van der Merwe, K (Mr)	Eskom: Transmission	15-Apr-03	Focus Group Meeting: Provincial Departments	Where are the biggest concentration of game farms in the study area?	Refer to Annexure C Appendix C9.
15/04-2	Van der Merwe, K (Mr)	Eskom: Transmission	15-Apr-03	Focus Group Meeting: Provincial Departments	Are you aware of any centre pivots?	Refer to Satellite Image, Annexure C, Appendix C1.
15/04-3	Van der Merwe, K (Mr)	Eskom: Transmission	15-Apr-03	Focus Group Meeting: Provincial Departments	Are you aware of any game farms?	Yes, there are some game farms, mostly in the southern portion of the study area. Refer to Annexure C Appendix C9
15/04-4	Briendenhann, M (Ms)	Free State Provincial Museum Service	15-Apr-03	Focus Group Meeting: Provincial Departments	What will the impact be on the salt gathering activities in the southern part of the study area?	From various perspectives, it is prudent to steer away from pans and wetlands. An attempt will be made to position the transmission line as far away from the pans as possible, therefore the impact is negligible.
15/04-5	Briendenhann, M (Ms)	Free State Provincial Museum Service	15-Apr-03	Focus Group Meeting: Provincial Departments	Heritage sites need to be mapped.	The heritage consultant's brief includes the mapping of any heritage sites. Refer to Annexure C Appendix C10.
15/04-6	Briendenhann, M (Ms)	Free State Provincial Museum Service	15-Apr-03	Focus Group Meeting: Provincial Departments	Who is doing the heritage study? S/he should meet with the relevant personnel at the Museum Service.	Mr Johnny van Schalkwyk of the National Cultural Historical Museum is the specialist doing the heritage study. Refer to Annexure C, Appendix C10.
15/04-7	Briendenhann, M (Ms)	Free State Provincial Museum Service	15-Apr-03	Focus Group Meeting: Provincial Departments	Traditional leaders must be consulted as part of the public participation process.	Comment noted. Thank you.
15/04-8	Chinner, R (Mr)	Free State Department of Public Works, Roads and Transport	15-Apr-03	Focus Group Meeting: Provincial Departments	State land is an intricate matter. State land should be identified upfront so that discussions around the establishment of servitudes can be discussed.	Comment noted. Thank you.
15/04-9	Chinner, R (Mr)	Free State Department of Public Works, Roads and Transport	15-Apr-03	Focus Group Meeting: Provincial Departments	What does a Social Impact Assessment (SIA) Entail?	It is an evaluation of the project's impacts on the lives of people in the area Annexure C, Appendix C2.

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15/04-10	Chinner, R (Mr)	Free State Department of Public Works, Roads and Transport	15-Apr-03	Focus Group Meeting: Provincial Departments	The southern part of the Free State has been identified as a very poor area. Therefore poverty alleviation is a significant issue and the fact that none or almost no jobs will be created poses a serious problem. Please re-assess this state of affairs in light of the poverty of the area.	Comment noted. Thank you.
15/04-11	Mdi, N (Ms)	Free State Department of Tourism, Environmental and Economic Affairs	15-Apr-03	Focus Group Meeting: Provincial Departments	Are there any state farms within the study area?	One (in the Boshoff district) was identified by SEF.
15/04-12	Mdi, N (Ms)	Free State Department of Tourism, Environmental and Economic Affairs	15-Apr-03	Focus Group Meeting: Provincial Departments	The Consultants and Eskom should take particular care with the state game farm in Boshoff. There are a number of research projects underway. Furthermore there are also sensitive species (e.g. rhinoceros that was donated by another province).	Comment noted. Thank you.
15/04-13	Mdi, N (Ms)	Free State Department of Tourism, Environmental and Economic Affairs	15-Apr-03	Focus Group Meeting: Provincial Departments	How is the planning for the upgrade of Eskom's grid done? Is it, for instance, possible to construct a bigger transmission line so that another will not have to be constructed in future?	The planning time-frame is 20 years. It is unfortunately not possible to plan perfectly as new resources may be needed in a specific area suddenly (e.g. a new smelter that could not have been foreseen). It is not possible to construct a bigger line now in anticipation of future growth. That is why 765kV lines are only built as the 'backbone' and the 400kV lines are used to "spread" the load.
15/04-14	Mdi, N (Ms)	Free State Department of Tourism, Environmental and Economic Affairs	15-Apr-03	Focus Group Meeting: Provincial Departments	Is it possible to paint the pylons green so that it may blend in with the surroundings more?	In South Africa it is not possible, because our dominant vegetation colours change with the seasons. This has been done successfully in other countries that do not have the same problem. The shininess of the pylons, stays and conductors fade over time and the lines become less visible.
15/04-15	Ramabima, G (Ms)	Free State Department of Tourism, Environmental and Economic Affairs	15-Apr-03	Focus Group Meeting: Provincial Departments	Does Eskom experience resistance from the public, and if so, what are their main concerns?	Yes, Eskom does experience resistance. Some of the issues / concerns raised most often are: Visual intrusions (especially in eco tourism areas); negative impacts with regard to construction activities; and concern regarding the safety of birds. Of these, visual impacts are the most difficult to mitigate. Most construction impacts and potentially negative impacts on birds can be successfully mitigated.

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15/04-16	Ramabima, G (Ms)	Free State Department of Tourism, Environmental and Economic Affairs	15-Apr-03	Focus Group Meeting: Provincial Departments	How does Eskom ensure that the contractors comply with Health and Safety standards?	Contractors are required to introduce and enforce their own Health and Safety regulations. Eskom does not enforce additional measures. Regarding environmental management, an Environmental Management Plan (EMP) is compiled for each transmission project. This EMP contains standard requirements related to construction activities as well as specific conditions from the environmental consultants, relevant authorities and landowners. This EMP forms part of Eskom's contract with the contractor and is therefore enforceable. An Environmental Officer is appointed for each transmission project and it is his/her responsibility to check on the implementation / compliance with the EMP and to attend to complaints from landowners or other parties during this period.
15/04-17	Van Wyk, WH (Lt Col)	AFB: Bloemspruit	15-Apr-03	Focus Group Meeting: AFB - Bloemspruit	Is it possible to mark the earth wire? They are difficult to see in flight and are very dangerous to pilots, especially helicopter pilots. At speed, the eye focuses on the biggest visible object and therefore the earth wire can be missed easily.	Yes, once the alignment has been decided upon, a meeting will be held with officials at the Base to indicate which areas should be marked. It is important that the places to be marked are identified beforehand, as it is very difficult to put up aviation spheres once the line has been constructed.
15/04-18	Van Wyk, WH (Lt Col)	AFB: Bloemspruit	15-Apr-03	Focus Group Meeting: AFB - Bloemspruit	The stays on the cross-rope suspension towers are also a problem to helicopter pilots. Is it possible to mark these?	Yes, as stated above.
15/04-19	Van Wyk, WH (Lt Col)	AFB: Bloemspruit	15-Apr-03	Focus Group Meeting: AFB - Bloemspruit	What will the route be from Vierfontein further north?	Currently, no lines are planned north of Vierfontein.
15/04-20	Van Wyk, WH (Lt Col)	AFB: Bloemspruit	15-Apr-03	Focus Group Meeting: AFB - Bloemspruit	What are planned for Dealesville (Perseus)?	Currently, no other lines are planned in that area.
15/04-21	Van Wyk, WH (Lt Col)	AFB: Bloemspruit	15-Apr-03	Focus Group Meeting: AFB - Bloemspruit	Accuracy is of enormous importance to the Air Force. Maps and co-ordinates need to be accurate.	All map data and co-ordinates will be double- checked before submission thereof to the Air Force. (GPS information will be provided.)
15/04-22	Van Wyk, WH (Lt Col)	AFB: Bloemspruit	15-Apr-03	Focus Group Meeting: AFB - Bloemspruit	Where exactly is the Beta sub-station?	At the meeting it was stated that the line was approximately 30 km from Bloemfontein next to the N1. PLEASE NOTE that the Beta sub-station is south of Dealesville.
15/04-23	Van der Merwe, K (Mr)	Eskom: Transmission	15-Apr-03	Focus Group Meeting: AFB - Bloemspruit	From how far do cables need to be visible to make it safe for the pilots?	At least 500 m (Comment from AFB: Bloemspruit). At a meeting with the Civil Aviation Authority, the team were informed that it is compulsory that lines are visible from 1000 m from the air (on a clear day) and 300 m from the ground.

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15/04-24	Jonsson, R (Col)	AFB: Bloemspruit	15-Apr-03	Focus Group Meeting: AFB - Bloemspruit	Eskom should make contact with the Directorate: Aviation Safety at the Headquarters of the Air Force in Pretoria. The relevant persons are Col Nati Ferreira (012) 312-2126 and Lt Gen De Waal (012) 312-2488. They will disseminate the information to all the Air Force Bases.	Thank you for the information. The contacts provided were included in the I&AP database for the project and this department will be kept abreast of developments. Eskom Transmission will also ensure that the co-ordinates of the Beta Delphi line are provided to this department. (A meeting was held with the Civil Aviation Authority (CAA) and the department of Aviation Safety of the South African Air Force (SAAF) on 14 May 2003.)
15/04-25	Jonsson, R (Col)	AFB: Bloemspruit	15-Apr-03	Focus Group Meeting: AFB - Bloemspruit	The Civil Aviation Authority (CAA) in Pretoria should also be included in the study.	A meeting was held with the Civil Aviation Authority (CAA) and the department of Aviation Safety of the South African Air Force (SAAF) on 14 May 2003.
15/04-26	Vollmer, B (Ms)	Strategic Environmental Focus (SEF)	15-Apr-03	Focus Group Meeting: AFB - Bloemspruit	Are GPS co-ordinates accurate enough for the purposes of the Air Force?	Yes.
16/04-1	Van den Berg, JP (Mr)	District Farmers' Union: Bothaville	16-Apr-03	Focus Group Meeting: DFUs (Wesselsbron)	What happens to the electricity that was generated from the Lesotho Highlands Water Project?	The Lesotho Highlands project is primarily used by Lesotho to supplement their requirements from Eskom.
16/04-2	Van den Berg, JP (Mr)	District Farmers' Union: Bothaville	16-Apr-03	Focus Group Meeting: DFUs (Wesselsbron)	Does Eskom endeavour to situate transmission lines next to existing roads?	Yes, as far as possible.
16/04-3	Van den Berg, JP (Mr)	District Farmers' Union: Bothaville	16-Apr-03	Focus Group Meeting: DFUs (Wesselsbron)	There is an irrigation scheme next to the Welkom - Bultfontein road, the SandVet Water Scheme. The contact person is Mr Chris van Staden (057) 352-7375. Proposed alternatives 1 and 2 will impact on this scheme. It is important that contact be made with Mr Van Staden to discuss the matter.	Thank you for the information. Subsequently contact was made with Mr. Van Staden.
16/04-4	Van den Berg, JP (Mr)	District Farmers' Union: Bothaville	16-Apr-03	Focus Group Meeting: DFUs (Wesselsbron)	What are the physical characteristics of a 400kV transmission line?	Refer to Annexure B, Appendix B3
16/04-5	Fourie, AJ (Mr)	District Farmers' Union: Dealesville	16-Apr-03	Focus Group Meeting: DFUs (Wesselsbron)	What material is used to cover the oil dams?	It is a type of mat which is slightly transparent so that it is possible for maintenance workers to see if there is oil in the dam.
16/04-6	Fourie, AJ (Mr)	District Farmers' Union: Dealesville	16-Apr-03	Focus Group Meeting: DFUs (Wesselsbron)	Will the Perseus sub-station be enlarged?	The boundaries of the sub-station will not be altered, however the substation itself will need to be upgraded to accommodate the new 400 KV transmission line.
16/04-7	Botes, L (Mr)	District Farmers' Union: Bothaville	16-Apr-03	Focus Group Meeting: SA Agric (Bothaville)	I did not realise that construction has such a big impact on farming activities.	Comment noted. Thank you.

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16/04-8	Botes, L (Mr)	SA Agric and District Farmers' Union: Bothaville	16-Apr-03	Focus Group Meeting: SA Agric (Bothaville)	How long will the construction period be?	Approximately 2 years. However, there will not be construction workers on each farm over that period. Contractors work in phases (e.g. first gates will be put in at all the appropriate places, then the foundations for all the pylons will be made, etc.). This means that a landowner may have workers on his/her farm for intermittent periods spanned over the 2 year period.
16/04-9	Botes, L (Mr)	SA Agric and District Farmers' Union: Bothaville	16-Apr-03	Focus Group Meeting: SA Agric (Bothaville)	Are farmers allowed to plant during that period?	Yes, farming activities may continue as normal. If crops get damaged by construction activities, Eskom will compensate the farmer accordingly.
16/04-10	Botes, L (Mr)	SA Agric and District Farmers' Union: Bothaville	16-Apr-03	Focus Group Meeting: SA Agric (Bothaville)	How are the requests by landowners enforced?	An Environmental Management Plan (EMP) is compiled for each transmission project. This EMP contains standard requirements related to construction activities as well as specific conditions from the environmental consultants, relevant authorities and landowners. This EMP forms part of Eskom's contract with the contractor and is therefore enforceable. An Environmental Officer is appointed for each transmission project and it is his/her responsibility to check on the implementation of the EMP and to attend to complaints from landowners or other parties during this period.
16/04-11	Botes, L (Mr)	SA Agric and District Farmers' Union: Bothaville	16-Apr-03	Focus Group Meeting: SA Agric (Bothaville)	Why does Eskom not get power from Koeberg for Coega Project?	Koeberg only produces 1 800 mW of electricity, which (with the energy loss over the distance) will not be enough to feed the Port Elizabeth region.
23/04-1	Willemse, NLS (Mr)	Landowner	23-Apr-03	Open Day: Bultfontein	There is an existing line on the Farm Beyersfontein 301. This line runs over the best crop land on the farm. Another line running parallel to this line will make matters very difficult for the farmer (alignment 3).	Comment noted. Thank you.
23/04-2	Willemse, NLS (Mr)	Landowner	23-Apr-03	Open Day: Bultfontein	The proposed alignment (3) runs over the best crop land on the Farm Smaldeel. Another line running parallel to this line will make matters very difficult for the farmer.	Comment noted. Thank you.
23/04-3	Willemse, NLS (Mr)	Landowner	23-Apr-03	Open Day: Bultfontein	Mr. N van der Meulen (Farm Smaldeel) mentioned that there is an existing Eskom Servitude on his land. Mr. Van der Meulen's telephone number is 082 775 1923.	Comment noted. Thank you.
23/04-4	Zeelie, J (Mr)	National Department of Agriculture	23-Apr-03	Open Day: Bultfontein	There are a number of sinkholes in the vicinity of Vierfontein (e.g. on the Farm Barberspan) as a result of previous mining activities.	Yes, in the area where the corridor is most likely to cross.

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23/04-5	Zeelie, J (Mr)	National Department of Agriculture	23-Apr-03	Open Day: Bultfontein	Has the land uses been identified e.g. cultivated land, grazing land, etc.?	This is difficult to say as the final servitude will only be determined in the negotiation phase.
23/04-6	Zeelie, J (Mr)	National Department of Agriculture	23-Apr-03	Open Day: Bultfontein	How many hectares of agricultural land will be affected?	This can only be determined once the final route is chosen.
23/04-7	Zeelie, J (Mr)	National Department of Agriculture	23-Apr-03	Open Day: Bultfontein	What is the effect of the transmission line on existing farming practices?	Refer to Annexure C, Appendix C 1 & 2.
23/04-8	Zeelie, J (Mr)	National Department of Agriculture	23-Apr-03	Open Day: Bultfontein	Water run-off must be taken into account with the positioning of the pylons.	Comment noted. Thank you.
23/04-9	Zeelie, J (Mr)	National Department of Agriculture	23-Apr-03	Open Day: Bultfontein	Is the slope being taken into consideration to minimise erosion problems? Erosion must be controlled!	Comment noted. Thank you.
23/04-10	Zeelie, J (Mr)	National Department of Agriculture	23-Apr-03	Open Day: Bultfontein	Is there a declared weed control programme planned for after construction?	Carol Streaton stated that a declared weed control programme should form part of the EMP for the maintenance period.
23/04-11	Zeelie, J (Mr)	National Department of Agriculture	23-Apr-03	Open Day: Bultfontein	The towers must not be constructed in vleis, marches, etc.	Comment noted. Thank you.
23/04-12	Zeelie, J (Mr)	National Department of Agriculture	23-Apr-03	Open Day: Bultfontein	The Department needs the following information regarding construction camps: Locality; Size; Infrastructure to be put in place; and How and where will topsoil be stored for use during rehabilitation. (The topsoil must be stripped and stored for rehabilitation.)	This information will only be finalised after the EIA study as the Environmental Officer will have to negotiate with landowners.
23/04-13	Zeelie, J (Mr)	National Department of Agriculture	23-Apr-03	Open Day: Bultfontein	A meeting should be held with the Department to ascertain the exact locations of water courses and to discuss related issues.	This meeting was held on 9 September 2003.
23/04-14	Van der Watt, DDA (Mr)	Landowner	23-Apr-03	Public Meeting: Bultfontein (April '03)	This landowner has the Perseus sub-station on his farm. He is eager to know who is responsible for the maintenance of the gates? (Besides gates left open, the gates also need continual maintenance to ensure that they work properly.)	Mr K van der Merwe (Eskom: Transmission) will follow up on the matter and report back to Mr Van der Watt.
23/04-15	Van der Watt, DDA (Mr)	Landowner	23-Apr-03	Public Meeting: Bultfontein (April '03)	This landowner has the Perseus sub-station on his farm. He would like to know who in Eskom is responsible for which lines?	Eskom: Distribution is responsible for the 11vK and 22kV lines, while Eskom: Transmission is responsible for the other bigger lines.

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23/04-16	Smith, H (Mr) and Gouws, JS (Mr)	Landowners	23-Apr-03	Home Visit: Bultfontein	Theft of livestock is a huge problem in this area (Bultfontein district around the proposed alternative 1). This problem will be escalated during construction and is not acceptable.	Eskom is aware that this is often a concern. For this reason, one of the standard requirements of the contractors' contract is that no live animals are allowed at the construction camps, the Environmental Officer should be informed if any animal theft occurs.
23/04-17	De Bruyn, T (Mr)	Landowner	23-Apr-03	Open Day: Bultfontein	How far apart will the lines run if this line is set up in parallel with an existing line?	The two lines need to be 55m apart from the centre of the one servitude to the centre of the other servitude.
23/04-18	Smith, H (Mr), Smith, J (Mr) & Pienaar, JA (Dr)	Landowners	23-Apr-03	Home Visit: Bultfontein	No construction camps will be allowed on the farms of these landowners. (Klein Driefontein, Aangekoch and Die Denne - proposed alignment 1)	Comment noted. Thank you.
23/04-19	Smith, H (Mr) & Smith, J (Mr)	Landowners	23-Apr-03	Home Visit: Bultfontein	The electric power supply to the farms Etna, Bultfontein and BSB 207/55 is very weak.	This issue falls outside the scope of the study. However, Mr K van der Merwe (Eskom: Transmission) will follow up on the matter and report back to Mr Smith.
24/4-1	Grobler, J (Mr)	Landowner and SA Agric	24-Apr-03	Home Visit: Bothaville	Agrees that the pans are sensitive ecosystems, but not more sensitive or important than land used for crop farming.	Comment noted. Thank you.
24/04-2	Grobler, J (Mr)	Landowner and SA Agric	24-Apr-03	Home Visit: Bothaville	The negative impact of pylons erected on agricultural land will be more permanent than those within pan environments. (In a pan, the ecosystem will reach an equilibrium after construction, while it will always hamper farming activities.)	Comment noted. Thank you.
24/04-3	Grobler, J (Mr)	Landowner and SA Agric	24-Apr-03	Home Visit: Bothaville	Notes that electric pylons has a huge impact on crop farming: 1. Most weeds grow around the pylons. Amongst others, this means that more herbicide is necessary; 2. It is difficult to get close to the pylons with large farm implements; 3. Implements can get damaged when they hit the pylon, and vice versa; 4. Since it is not possible to get in between pylons and stays with normal implements, the land is extremely difficult to work.	Comment noted. Thank you.
24/04-4	Grobler, J (Mr)	Landowner and SA Agric	24-Apr-03	Home Visit: Bothaville	Arranging pylons parallel with another line, does not necessarily make sense from a farming perspective.	Comment noted. Thank you.
24/04-5	Grobler, J (Mr)	Landowner and SA Agric	24-Apr-03	Home Visit: Bothaville	The farms in the Bothaville area may look flat and it seems as if the land is easy to manage, but farmers in this area encounters tremendous problems with stagnant water, making water courses management by way of drainage furrows essential.	Comment noted. Thank you.

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24/04-6	Grobler, J (Mr)	Landowner and SA Agric	24-Apr-03	Home Visit: Bothaville	It is important take soil potential into account when deciding on the alignment. Make use of weaker soils and grazing for the alignment.	Comment noted. Thank you. Refer to Annexure C, Appendix C 5.
24/04-7	Grobler, J (Mr)	Landowner and SA Agric	24-Apr-03	Home Visit: Bothaville	NAMPO has an airstrip on the farm Eden (route 1).	Comment noted. Thank you.
24/04-8	Grobler, J (Mr)	Landowner and SA Agric	24-Apr-03	Home Visit: Bothaville	Is not satisfied with the route of the proposed alignment 1 in the Bothaville district. Made suggestions.	Suggestions will be investigated during the EIA phase.
24/04-9	Unknown	Landowner	24-Apr-03	Public Meeting: Bothaville (April '03)	It is a nuisance to try to navigate around pylons?	Comment noted. Thank you.
24/04-10	Unknown	Landowner	24-Apr-03	Public Meeting: Bothaville (April '03)	The best way to reach farmers to participate in the Public Participation Process is to finalise the route and to contact farmers at that stage.	Comment noted. Thank you. This will be done.
24/04-11	Unknown	Landowner	24-Apr-03	Public Meeting: Bothaville (April '03)	Most people are under the impression that Eskom is not really interested in participation and have already decided on an alignment. Many potentially affected parties feel that it will be a waste of time to attend meetings and participate in this process.	Chapter % of the draft EIR has been dedicated to a description of the public participation process. Eskom is obligated by law to conduct a public participation process.
24/04-12	Unknown	Landowner	24-Apr-03	Public Meeting: Bothaville (April '03)	The biggest issue is the piece of land that you loose to the pylons.	Comment noted. Thank you.
14/05-1	Pretorius, JP (Mr)	Civil Aviation Authority	14-May-03	Focus Group Meeting: CAA and SAAF (Pretoria)	<p>The following guidelines are proposed for Transmission lines near aerodromes. (An aerodrome includes air strips and hot air balloon, hang glider launching sites and heli pads):</p> <ul style="list-style-type: none"> <li>* No power line closer than 3 000 m from the threshold of a runway in the approach / take-off area of the runway;</li> <li>* In the event that a power line is within 3000m from the threshold of a runway within the approach slope area, Aviation spheres should be put up to 10% of the distance from the threshold on either side of the extended centre line of the runway (e.g. If the power line is 2000m from the threshold, aviation spheres must be put up to 200m either side of the intersection with the extended centreline of the runway) if the power line is up to 3 000m away and shall be below the approach slope (generalized slope shall be taken as 1:50); The threshold and the it's elevation shall be the point of reference.</li> <li>* Major airports: Lights on conductors; and</li> <li>* Major airports: Pylons must be painted.</li> </ul>	All safety guidelines are noted and will be implemented.



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14/05-2	Pretorius, JP (Mr) (Continued from previous list)	Civil Aviation Authority	14-May-03	Focus Group Meeting: CAA and SAAF (Pretoria)	<p>The following guidelines are proposed for Transmission lines near aerodromes. (An aerodrome includes strips and hot air balloon and hang glider launching sites) (CONTINUED):</p> <p>Aviation spheres:</p> <ul style="list-style-type: none"> <li>* By international standards, aviation spheres need to be between 60 and 130 cm in diameter. A sliding scale is used to determine the distance between spheres. This varies between 30 and 40 m.</li> <li>* Spheres must be hung INTERMITTENTLY white and red / orange.</li> <li>* Orange is often a better colour to use than red (the important factor to remember being the contrast that needs to be created between the sphere and the surroundings);</li> <li>* When two power lines are close to each other, spheres of one colour should be used per line. The spheres should be hung intermittently.</li> <li>* There are various regulations on the diameter of spheres and their maximum distances from each other. It should be remembered that aviation spheres should have a MINIMUM diameter of 600mm and, at that size, should be a maximum of 30m apart. (Aviation spheres should be visible for not less than 1000m from the air and not less than 300m from the ground).</li> </ul>	All safety guidelines are noted and will be implemented.
14/05-3	Pretorius, JP (Mr)	Civil Aviation Authority	14-May-03	Focus Group Meeting: CAA and SAAF (Pretoria)	No power lines shall be allowed in the near vicinity of a radio navigation aid, Instrument Landing System or surveillance equipment, which could adversely affect the performance of the above.	All safety guidelines are noted and will be implemented.
17/06-1	Maritz, J. J. (Mr)	Landowner and District Farmers' Union: Wesselsbron	17-Jun-03	Telephone conversation	The farmers need to know the names of the farms where the line will go. They have asked to be provided with a map big enough to show the farm names that indicates the preferred alignment.	The map was left with certain I&APs at requested times during the process, so that it could be used to identify affected farms.
25/06-1	De Villiers, W. (Mr)	Department of Health (Free State)	25-Jun-03	Telephone conversation	It does not seem as if the proposed activity will have a marked negative impact on the health situation. It is, however extremely important that health aspects at construction camps be managed carefully.	Comment noted, thank you.

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06/08-1	Naudé, PJE (Mr)	Landowner	6-Aug-03	Landowner Workshop: Bultfontein	Will there be compensation for the servitude registered by Eskom and will cognisance be taken of different types of land e.g. crop and grazing land?	Yes, Eskom pays 100% of the land value. An independent registered valuator is appointed. He gives Eskom a range for negotiations. If Eskom and the landowner cannot agree on the price, the landowner appoints his own valuator. If the valuation by the second valuator falls within 10% of the original valuation, Eskom pays out the highest of the two prices. If the difference is more than 10%, a third valuator is appointed to determine the value. (The total price for the servitude will be the length of the line through the property x 55 metres.)
06/08-2	Naudé, PJE (Mr)	Landowner	6-Aug-03	Landowner Workshop: Bultfontein	What about the after-effect of the line, e.g. sand problems, increased difficulty to work the land and the associated monetary losses?	The monetary losses are acknowledged, but difficult to ascertain.
06/08-3	Naudé, PJE (Mr)	Landowner	6-Aug-03	Landowner Workshop: Bultfontein	How deep do the foundations of the pylons go? In this area there is an impervious layer - a pedogenic rock layer (keerlaag) that prevents the water from draining to deeper levels. If a hole was made in this layer, water will drain and it will be lost for agricultural purposes.	Comment noted, thank you.
06/08-4	Foulds, IGM (Mr)	Landowner	6-Aug-03	Landowner Workshop: Bultfontein	When can landowners give inputs regarding the detail alignment?	This process commenced with this series of landowner workshops.
06/08-5	Foulds, IGM (Mr)	Landowner	6-Aug-03	Landowner Workshop: Bultfontein	What is done in case of the damage of crops?	The landowner can claim the losses back from Eskom.
06/08-6	Naudé, P (Mr)	Landowner	6-Aug-03	Landowner Workshop: Bultfontein	Would prefer if the line is built on the other side of his farm.	Suggestion noted, thank you.
06/08-7	Naudé, PJE (Mr)	Landowner	6-Aug-03	Landowner Workshop: Bultfontein	As can be seen where the existing power line cross the Bultfontein area, this area has an immense problem with sand. Farmers need to replace fences every 5 years, since the sand forms aeolic sand depositions (knolls) around them. The same occurs with the pylons. Besides the nuisance, valuable topsoil is lost.	This will be investigated.
06/08-8	Joubert, H (Mr)	Landowner	6-Aug-03	Landowner Workshop: Bultfontein	This area has some of the best conditions for crop farming outside the Western Cape. Land here reach prices of R 8 000-00 per hectare. In addition, farmers have problems with the water table and sand. This makes a new power line particularly undesirable in this area.	Comment noted, thank you.
06/08-9	Joubert, H (Mr)	Landowner	6-Aug-03	Landowner Workshop: Bultfontein	Would it be possible to harvest in the year(s) that construction takes place?	Yes, if crops are damaged or destroyed, the landowner can claim the losses from Eskom.

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06/08-10	Joubert, H (Mr)	Landowner	6-Aug-03	Landowner Workshop: Bultfontein	In the cell phone industry, a landowner gets a free cell phone, and a contract on top of the rental contract in return for the use of the land. Would landowners get power for free if the line crosses a landowner's land?	No, unfortunately not.
06/08-11	Naudé, PJE (Mr)	Landowner	6-Aug-03	Landowner Workshop: Bultfontein	It must be remembered that there was a big difference between grazing and agricultural land. The impact on grazing land would, for the most, be once off, while the impact on agricultural land is continuous.	The possibility of moving the line to grazing land has been investigated.
06/08-12	Van der Watt, DDH (Mr)	Landowner		Landowner Workshop: Bultfontein	What would happen if a pylon falls over and a worker is killed?	<p>A person who suffers injury or death as a result of damage caused by electrolysis or induction, or from any means in which electricity is generated or transmitted will have a delictual claim against Eskom. Eskom acted wrongfully and negligently and caused the harm to the deceased.</p> <p>How must this be proved?</p> <p>1. With regard to the element of wrongfulness, the claimant will have to prove that there was a legal duty on Eskom to act positively to prevent the harm from occurring ie. that Eskom regularly maintain its pylons, and that Eskom's failed to comply with the duty.</p> <p>2. With regard to the element of negligence, it can be argued that Eskom's failure to take reasonable steps (maintenance) to prevent the foreseeable harm was negligent.</p> <p>It should be noted that, as far as possible, Eskom endeavours to stay out of agricultural land.</p>
06/08-13	Naudé, PJE (Mr)	Landowner	6-Aug-03	Landowner Workshop: Bultfontein	Would prefer it if the line were to be moved 3 -4 km east. This meant that the line would still cross Mr Naudé's land, but it would have less of an impact.	Suggestion noted, thank you.
06/08-14	Naudé, PJE (Mr)	Landowner	6-Aug-03	Landowner Workshop: Bultfontein	There is a visible line dividing agricultural land from grazing land.	Comment noted, thank you.
06/08-15	Ferreira, DW (Mr)	Landowner	6-Aug-03	Landowner Workshop: Bultfontein	Which of the three lines indicated on the map is the one being investigated at the moment?	The line marked "1".
06/08-16	Ferreira, DW (Mr)	Landowner	6-Aug-03	Landowner Workshop: Bultfontein	Are there any further opportunities to participate?	Yes, in September 2003 further meetings will be held.

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06/08-17	Foulds, IGM (Mr)	Landowner	6-Aug-03	Landowner Workshop: Bultfontein	Is this process geared at telling landowners what is going to happen, or is this a mutual discussion?	This is a mutual discussion. The alignment under investigation came out as being the one with the least cumulative negative environmental impacts. It is, however, still possible that the alignment will change depending on the findings of this phase of the investigation.
06/08-18	Otto, N (Mr)	Landowner	6-Aug-03	Landowner Workshop: Bultfontein	What would happen if a pylon falls over and a cow is shocked to death (This has happened to six cows from Mr. Otto's brother).	Refer to above.
06/08-19	Foulds, IGM (Mr)	Landowner	6-Aug-03	Landowner Workshop: Bultfontein	What would happen if a tractor pulls out one of the stays? Who would be responsible for the cost?	The farmer would be liable for damages.
06/08-20	Van der Watt, DDH (Mr)	Landowner	6-Aug-03	Landowner Workshop: Bultfontein	If the line is moved to grazing areas there are just as many problems. Gates are left open, etc.	Comment noted, thank you.
06/08-21	Basson, MEM (Ms)	Landowner	6-Aug-03	Landowner Workshop: Bultfontein	The farm Smalwerkersdaal belongs to Ms. Basson. This farm is already sub-economical and if a power line had to cross the farm, it would have dire consequences for Ms. Basson. (Currently the farm is not affected. It is just important that it does not become affected as the line moves.)	Comment noted, thank you.
06/08-22	Young, JW (Mr)	Landowner	6-Aug-03	Landowner Workshop: Bultfontein	There is a process underway to declare the farms Plessisrust and Cherubé as private nature reserves.	Comment noted, thank you.
06/08-23	Ferreira, SL (Mr)	Landowner	6-Aug-03	Landowner Workshop: Bultfontein	The farm Steenbokpootjie has a very high agricultural potential and it would be preferable if the line did not cross through the middle of the land.	Suggestion noted, thank you.
06/08-24	Ferreira, SL (Mr)	Landowner	6-Aug-03	Landowner Workshop: Bultfontein	There are many pivot points in this region.	Comment noted, thank you.
06/08-25	Müller, JV (Mr)	Landowner	6-Aug-03	Landowner Workshop: Bultfontein	The farm is currently being rented out. Contact must be made with the owner and not with the tenants.	Comment noted, thank you.
07/08-1	Van der Walt, F (Mr)	Landowner	7-Aug-03	Landowner Workshop: Bothaville	Arrangements have already been made for two pivot points on the farm Vlijoenshof in the Bultfontein district.	Comment noted, thank you.
07/08-2	Foulds, IGM (Mr)	Landowner	7-Aug-03	Landowner Workshop: Bothaville	Landowners should be compensated for their inconvenience.	Currently this is not done, but cognisance is taken of this issue.
07/08-3	Venter, PS (Mr)	Representative of several landowners	7-Aug-03	Landowner Workshop: Bothaville	Mr. Venter represents a number of affected farms (Katbosch and Saaibult) of Mr. GJM du Toit and the Estate Mienie	Comment noted, thank you.

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07/08-4	Venter, PS (Mr)	Representative of several landowners	7-Aug-03	Landowner Workshop: Bothaville	<p>There is no apparent reason for the line to pass here if the capacity is needed in Port Elizabeth. The line should then rather pass through the middle or eastern Free State.</p> <p>Even if this line did have to reach Vierfontein, it was still unnecessary to pass through this area.</p> <p>The argument regarding the fact that this line is necessary because Eskom does not want to "put all its eggs in one basket" does not make sense.</p>	<p>Please refer to the EIA Report. Refer to Chapter 3 of draft EIA.</p> <p>The existing lines already supply large regions with electricity. If another high production and electricity use area is linked to the existing line and something goes wrong, the impact would be extremely negative. The risk is, therefore, too high. This is also why the KwaZulu-Natal option is being investigated.</p>
07/08-5	Venter, PS (Mr)	Representative of several landowners	7-Aug-03	Landowner Workshop: Bothaville	Land in this area has a very high agricultural potential and is very expensive - up to R 8 000-00 / ha.	Comment noted, thank you.
07/08-6	Venter, PS (Mr)	Representative of several landowners	7-Aug-03	Landowner Workshop: Bothaville	The impact of the cross-rope suspension pylons were not discussed. The fact that the stays are 70 m apart with the pylons 20 m apart makes it impossible for farmers to farm in the entire 70 m span. This will have a severe economic impact over time.	Comment noted, thank you.
07/08-7	Venter, PS (Mr)	Representative of several landowners	7-Aug-03	Landowner Workshop: Bothaville	Visual impact should be subordinate to practical implications.	Comment noted, thank you.
07/08-8	Venter, PS (Mr)	Representative of several landowners	7-Aug-03	Landowner Workshop: Bothaville	Intensive crop spraying takes place over the entire district and beyond. Besides the economic implications, there is also a very real safety threat.	The transmission line will be marked according to specification in areas where flying activities take place.
07/08-9	Venter, PS (Mr)	Representative of several landowners	7-Aug-03	Landowner Workshop: Bothaville	Much attention was given to the natural environment, but there is no study regarding the economic and agricultural impact of this line.	Refer to Annexure C, Appendix C 1.
07/08-10	Venter, PS (Mr)	Representative of several landowners	7-Aug-03	Landowner Workshop: Bothaville	The Bothaville / Wesselsbron area has an extremely high agricultural potential and no power line should be constructed in this area.	Comment noted, thank you
07/08-11	Venter, PS (Mr)	Representative of several landowners	7-Aug-03	Landowner Workshop: Bothaville	The impact on grazing land would be significantly less.	Comment noted, thank you.
07/08-12	Venter, PS (Mr)	Representative of several landowners	7-Aug-03	Landowner Workshop: Bothaville	Where is the Mercury and Perseus sub-stations. It is not in the towns.	No, Eskom refers to the closest town. The Perseus substation is north west of Dealesville, while the Mercury substation is north west of Vierfontein.
07/08-13	Van Zyl, WH (Mr)	Landowner	7-Aug-03	Landowner Workshop: Bothaville	What are the do's and do not's within the servitude area?	There may be no permanent structures or tall trees, but for the rest, normal activities may continue.

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07/08-14	Foulds, IGM (Mr)	Landowner	7-Aug-03	Landowner Workshop: Bothaville	Until when may I&APs comment on the proposed alignment?	<p>Comment needs to reach Afrossearch within 2 to 3 weeks after the meeting (07 August 2003) for inclusion in the process.</p> <p>On 10 and 11 September 2003 a round of public meetings. The primary aim of these meetings will be to give feedback of the findings during the EIA Phase and not necessarily to identify new issues and discuss the alignment, but the opportunity is there. Thereafter the Draft EIA Report will be made available for public comment (the comment period will be two weeks). Only after the comments were received and integrated into the report will a Final Environmental Impact Report be submitted to the authorities for decision-making.</p> <p>After the Record of Decision (RoD) (the decision from the department) was received, there will be an appeal period of 30 days. During this period, appeals can be lodged against the decision. Appeals are lodged with the National Department of Environmental Affairs and Tourism (DEAT) and should include the reason for the appeal. The DEAT will investigate the appeals and make a final decision.</p>
07/08-15	Foulds, IGM (Mr)	Landowner	7-Aug-03	Landowner Workshop: Bothaville	The 2 to 3 weeks to respond now and two weeks to comment on the Draft EIA Report is too little.	Comment noted, thank you. The review for the draft EIR has been extended to 30 days.
07/08-16	Ackerman, HF (Mr)	Landowner	7-Aug-03	Landowner Workshop: Bothaville	Is it necessary for the access and maintenance road to run underneath the power line?	No, during construction an 8 m "road" underneath the transmission line is required, but for maintenance existing roads are used, where possible.
07/08-17	Foulds, IGM (Mr)	Landowner	7-Aug-03	Landowner Workshop: Bothaville	Is it possible to use self-supporting towers in lands so that the impact on farming activities may be minimised?	It is possible, however landowners are to specify it in the conditions of their options.
07/08-18	Ackerman, HF (Mr)	Landowner	7-Aug-03	Landowner Workshop: Bothaville	Is it possible for a landowner to refuse permission to Eskom?	<p>Yes, but it should be remembered that the government have a mandate to expropriate land if it is in the interest of the country as a whole. Therefore, Eskom will be able to expropriate a landowner(s) if necessary.</p> <p>The negotiator on this line (Mr. Koos van der Merwe) stated that he has never expropriated anybody, but confirmed that it is a possibility. The intention is not to expropriate landowners.</p>
07/08-19	De Bruyn, PJ (Mr)	Landowner			If Eskom can expropriate, there is no need for this process and this meeting. (Mr. De Bruyn subsequently left the meeting.)	There is a process underway where a number of things may still change. It might not be a good idea to leave the process investigates all potential alternatives.

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07/08-20	Venter, PS (Mr)	Representative of several landowners	7-Aug-03	Landowner Workshop: Bothaville	Must the line go straight?	It is the ideal, however for various reasons it has to bend at times. Bends must be kept to a minimum and it is not always possible to move the line, but it is possible to bend the line gradually (e.g. 3° at a time).
07/08-21	Venter, PS (Mr)	Representative of several landowners	7-Aug-03	Landowner Workshop: Bothaville	This is an area where there are often big differences in soil potential over small distances. Would it be possible to have the line go over land with a lower agricultural potential?	Yes, for the most it would be possible. The aim is to take the line over land with a lower agricultural potential as far as possible.
07/08-22	Venter, PS (Mr) and Louw, TJ (Mr)	Representative of several landowners	7-Aug-03	Landowner Workshop: Bothaville	It is suggested that another alignment be investigated, namely Vierfontein - Leeudoringstad - Makwassie - Dealesville.	55m between the two centre lines of the parallel lines.
07/08-23	Hattingh, BM (Mr)	Landowner	7-Aug-03	Landowner Workshop: Bothaville	In area where there are existing power lines, old pylons are left in the field and it is up to the landowner to remove them.	This is a problem with Eskom: Distribution. Ms. Carol Streaton of Eskom: Transmission will take the matter up with the responsible person in the Distribution company.
07/08-24	Botma, IG (Mr)	Landowner	7-Aug-03	Landowner Workshop: Bothaville	Where two power lines go parallel, how big is the servitude?	27 m plus 55 m, i.e. 82 m.
07/08-25	Pieterse, FP (Mr)	Landowner	7-Aug-03	Landowner Workshop: Bothaville	The line runs across the farm Viljoenshoff (Bultfontein district). Planning has already been done for two pivot point irrigation systems on this farm and it seems as if the proposed alignment will cross the planned pivot points.	Comment noted, thank you.
07/08-26	Pieterse, FP (Mr)	Landowner	7-Aug-03	Landowner Workshop: Bothaville	The line runs across the SandVet Irrigation Scheme as well as a number of other pivot points in this region (Bultfontein district).	A meeting was held with Mr. Chris van Staden from the SandVet Water Scheme.
07/08-27	Pieterse, FP (Mr)	Landowner	7-Aug-03	Landowner Workshop: Bothaville	If the line could run to the west of the farm Viljoenshoff, there are no further pivot points and to the north is grazing land.	Comment noted, thank you.
07/08-28	Van Staden, C (Mr)	DWAF: SandVet Water Scheme	7-Aug-03	Focus Group Meeting: SandVet and Department of Agriculture	There are between 400 and 500 km of canals that forms part of the SandVet Water Scheme. Roughly it stretches from the Erfenis Dam to Klipput.	Comment noted, thank you.
07/08-29	Van Staden, C (Mr)	DWAF: SandVet Water Scheme	7-Aug-03	Focus Group Meeting: SandVet and Department of Agriculture	The biggest problem was the servitude rights. He explained that a servitude is registered for each canal. Each servitude is 8 m wide (4 m from the middle). Often, the servitude was wider on a turn. No tower for a transmission line could stand in these servitudes. There were servitude roads adjacent to the servitudes.	Comment note, thank you.
07/08-30	Van Staden, C (Mr)	DWAF: SandVet Water Scheme	7-Aug-03	Focus Group Meeting: SandVet and Department of Agriculture	The servitudes are mapped. Maps can be obtained from the Chief Engineer (DWAF), Mr. Groenewald. His telephone number is (051) 430-3134.	Information noted, thank you.

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07/08-31	Van Staden, C (Mr)	DWAF: SandVet Water Scheme	7-Aug-03	Focus Group Meeting: SandVet and Department of Agriculture	The proposed routes were acceptable to the SandVet Water Scheme, especially if the route could be adjusted to run along the "wenakkers". Eksom must ensure that no tower will stand in a canal.	Comment note, thank you.
07/08-32	Zeelie, J (Mr)	Department of Agriculture	7-Aug-03	Focus Group Meeting: SandVet and Department of Agriculture	The biggest water problem was in the northern part of the study area, the area of Bothaville.	Comment note, thank you.
07/08-33	Zeelie, J (Mr)	Department of Agriculture	7-Aug-03	Focus Group Meeting: SandVet and Department of Agriculture	The purpose of the water ways was to drain excess water and to discharge it at safe places. Water ways were all grassed and were constructed with road graders.	Information noted, thank you.
07/08-34	Zeelie, J (Mr)	Department of Agriculture	7-Aug-03	Focus Group Meeting: SandVet and Department of Agriculture	It would not be possible to establish towers within the water ways. It would, however, be possible to build adjacent to water ways. The breadth of a water way is between 15 and 20 meters.	Comment note, thank you.
07/08-35	Zeelie, J (Mr)	Department of Agriculture	7-Aug-03	Focus Group Meeting: SandVet and Department of Agriculture	No servitudes are registered for water ways, but plans showing existing and planned water ways exist. These plans are with the department's agricultural technician in Parys (Mr. Theuns Botha). He can be reached at (056) 817-1094.	Information noted, thank you.
13/08-1	Attendants	Wesselsbron District Farmers' Union	13-Aug-03	District Farmers' Union Monthly Meeting	The proposed corridor passes through land with a high potential for mielie, wheat, sunflower and peanut cultivation.	Comment noted, thank you.
13/08-2	Attendants	Wesselsbron District Farmers' Union	13-Aug-03	District Farmers' Union Monthly Meeting	A large number of the affected farms will be affected extremely negatively, since the corridor crosses large tracts of agricultural land. The use of large implements such as planters and tractors will be hampered and will give rise to potentially dangerous situations.	Comment noted, thank you.
13/08-3	Attendants	Wesselsbron District Farmers' Union	13-Aug-03	District Farmers' Union Monthly Meeting	Precision agriculture will be greatly impacted.	Comment noted. This issue is under investigation.
13/08-4	Attendants	Wesselsbron District Farmers' Union	13-Aug-03	District Farmers' Union Monthly Meeting	Crop spraying will become increasingly difficult and very dangerous.	Comment noted. Meetings have been held with the Civil Aviation Authority.
13/08-5	Attendants	Wesselsbron District Farmers' Union	13-Aug-03	District Farmers' Union Monthly Meeting	The land value will be affected negatively.	Comment noted, thank you.
13/08-6	Attendants	Wesselsbron District Farmers' Union	13-Aug-03	District Farmers' Union Monthly Meeting	The production of staple foods such as mielies and wheat will be impacted.	Comment noted, thank you.



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13/08-7	Attendants	Wesselsbron District Farmers' Union	13-Aug-03	District Farmers' Union Monthly Meeting	An alternative alignment should be sought.	Suggestion noted, thank you.
08/09-1	Van Biljon, PJ (Mr)	Landowner	8-Sep-03	E-mail	Pylons impedes the movement of implements.	Comment noted, thank you.
08/09-2	Van Biljon, PJ (Mr)	Landowner	8-Sep-03	E-mail	Weeds grow in the disturbed area around the pylons. These, in turn, infest agricultural land.	Comment noted, thank you.
08/09-3	Van Biljon, PJ (Mr)	Landowner	8-Sep-03	E-mail	With regard to precision engineering, the electro-magnetic field around the power line influences the radio signal used during precision engineering.	This is to be investigated.
08/09-4	Van Biljon, PJ (Mr)	Landowner	8-Sep-03	E-mail	The electro-magnetic field has a negative influence on production. Then more fertiliser is needed to compensate for this negative impact, resulting in higher costs.	Comment noted, thank you.
08/09-5	Van Biljon, PJ (Mr)	Landowner	8-Sep-03	E-mail	The stays are not easy to see, especially in dusty conditions. There can, therefore easily be an accident involving a farm implement.	There is the alternative of erecting self-supporting towers.
09/09-1	Naudé, W (Mr)	Free State Province Department of Public Works, Roads and Transport - Directorate: Road and Transport Planning (Head of Department)	9-Sep-03	Faxed letter	Services (such as a power line) which runs parallel relative to the horizontal alignment of public roads may not be constructed nearer than 95,00m measured from the centre line thereof.	Comment noted, thank you.
09/09-2	Naudé, W (Mr)	Free State Province Department of Public Works, Roads and Transport - Directorate: Road and Transport Planning (Head of Department)	9-Sep-03	Faxed letter	No pylons or any other structure which forms part of services of this nature (power lines) may be constructed / erected nearer than 48,00m measured from the centre line of any affected public road where such road needs to be crossed.	Comment noted, thank you.
09/09-3	Naudé, W (Mr)	Free State Province Department of Public Works, Roads and Transport - Directorate: Road and Transport Planning (Head of Department)	9-Sep-03	Faxed letter	An application for way leave should be forwarded to this department and in particular to the Chief Directorate Roads (Directorate Roads and Transport Planning) for consideration and approval at this address (see below), prior to the commencement of any construction regarding the proposed service (power line).  Free State Province: Directorate - Road and Transport Planning Head of Department (Mr. W. Naudé) P. O. Box 690 BLOEMFONTEIN, 9300	Comment noted, thank you.

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					Tel. (051) 409-8592 Fax. (051) 409-8576 Cell. 083 381 5903 E-mail: willie@freetrans.gov.za	
09/09-4	Naudé, W (Mr)	Free State Province Department of Public Works, Roads and Transport - Directorate: Road and Transport Planning (Head of Department)	9-Sep-03	Faxed letter	Detail layout plans must accompany the way leave applications and in particular where public roads will be crossed.	Comment noted, thank you.
09/09-5	Botha, T (Mr)	Free State Department of Agriculture - Directorate: Soil Conservation and Land Care	9-Sep-03	Focus Group Meeting: National and Provincial Departments of Agriculture	Who will do the surveying for this project, because there are certain individuals in the area who have enquired and would like to tender for the work if surveying is not done in-house by Eskom.	Comment noted, thank you.
09/09-6	Van der Merwe, K (Mr)	Eskom: Transmission	9-Sep-03	Focus Group Meeting: National and Provincial Departments of Agriculture	Does the Department have lists and maps of the water ways?	Yes, there are maps in Kroonstad and the Department (Provincial Dept. of Agriculture) has a list showing the farms with water ways.
09/09-7	Vollmer, B (Ms)	Strategic Environmental Focus	9-Sep-03	Focus Group Meeting: National and Provincial Departments of Agriculture	The Environmental Impact Report will make mention of the fact that this department (Free State Department of Agriculture) must be consulted during the negotiation process to determine the areas where water ways flow and to discuss the matter in more detail	The issue of water ways will be included in the Environmental Impact Report.
09/09-8	Vollmer, B (Ms)	Strategic Environmental Focus	9-Sep-03	Focus Group Meeting: National and Provincial Departments of Agriculture	Is there a specification for water ways? (These specifications will be made part of the Environmental Management Plan and it will form part of the contractor's contract to rehabilitate the water way should they be changed.)	Yes. A copy of the specification was given to Ms. Vollmer of Strategic Environmental Focus.
09/09-9	Botha, T (Mr)	Free State Department of Agriculture - Directorate: Soil Conservation and Land Care	9-Sep-03	Focus Group Meeting: National and Provincial Departments of Agriculture	It is important that pylons do not stand within existing waterways.	Comment noted, thank you.
09/09-10	Vollmer, B (Ms)	Strategic Environmental Focus	9-Sep-03	Focus Group Meeting: National and Provincial Departments of Agriculture	In the northern part of the study area, are there any pivot irrigation systems and if there are, where are they situated?	The attendants were not sure if there were. They stated that if there were any, the systems would be concentrated around the river. In the central area, near Wesselsbron, there are a number of pivot point irrigation systems.
09/09-11	Botha, T (Mr)	Free State Department of Agriculture - Directorate: Soil Conservation and Land Care	9-Sep-03	Focus Group Meeting: National and Provincial Departments of Agriculture	Is it possible to move a pylon a few meters in either direction to ensure that a pylon does not stand in a water way?	Yes, to some extent it is possible to move a pylon. If it is known where water ways are before the pylons are spaced, it would be possible to make provision for the water ways.
09/09-12	Van der Merwe, K (Mr)	Eskom: Transmission	9-Sep-03	Focus Group Meeting: National and Provincial Departments of Agriculture	Is it possible to move a water way.	Yes, but it is not advisable and it is not possible to move a water way too far from the natural water flow. Planned water ways can be moved, existing water ways cannot be moved.

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09/09-13	Van der Merwe, K (Mr)	Eskom: Transmission	9-Sep-03	Focus Group Meeting: National and Provincial Departments of Agriculture	Would it be a problem if vehicles drive in the water ways?	Yes.
09/09-14	Vollmer, B (Ms)	Strategic Environmental Focus	9-Sep-03	Focus Group Meeting: National and Provincial Departments of Agriculture	Would it be permissible for vehicles to drive in water ways if the water ways are rehabilitated to a certain standard at the end of the construction phase?	Yes, that would be permissible.
09/09-15	Van der Merwe, K (Mr)	Eskom: Transmission	9-Sep-03	Focus Group Meeting: National and Provincial Departments of Agriculture	To whom does the water way belong?	The water way belongs to the farmer. No servitude is registered for a water way. It is, however, important to the Department (Provincial Dept. of Agriculture) as the Department subsidises the water ways.
09/09-16	Vollmer, B (Ms)	Strategic Environmental Focus	9-Sep-03	Focus Group Meeting: National and Provincial Departments of Agriculture	How wide is a water way?	They vary quite a bit, but can be anything from 15-20m wide.
09/09-17	Van der Merwe, K (Mr)	Eskom: Transmission	9-Sep-03	Focus Group Meeting: National and Provincial Departments of Agriculture	Where do water ways end?	In a safe place such as a dam or a stream, etc. Some farmers channel water to dams on their farms.
09/09-18	Van der Merwe, K (Mr)	Eskom: Transmission	9-Sep-03	Focus Group Meeting: National and Provincial Departments of Agriculture	Are there water ways that are not used?	There may be one or two, but in general the water ways are used.
09/09-20	Vollmer, B (Ms)	Strategic Environmental Focus	9-Sep-03	Focus Group Meeting: National and Provincial Departments of Agriculture	Would it be acceptable if a pylon stands right on the edge of a water way?	Yes.
09/09-21	Van der Merwe, K (Mr)	Eskom: Transmission	9-Sep-03	Focus Group Meeting: National and Provincial Departments of Agriculture	Is it possible for Eskom to make a water way narrower?	Only slightly narrower. The breadth and depth of a water way is worked out according to the volume of water that can be expected, therefore there is not much leeway.
09/09-22	Botha, T (Mr)	Free State Department of Agriculture - Directorate: Soil Conservation and Land Care	9-Sep-03	Focus Group Meeting: National and Provincial Departments of Agriculture	Is it possible to make a stay wider?	Yes, it is possible.
09/09-23	Vollmer, B (Ms)	Strategic Environmental Focus	9-Sep-03	Focus Group Meeting: National and Provincial Departments of Agriculture	How far must a stay be from a water way? 5m?	That would be good. Sometimes the grass is cut and then the pylons and stays must not be in the way.
09/09-24	Vollmer, B (Ms)	Strategic Environmental Focus	9-Sep-03	Focus Group Meeting: National and Provincial Departments of Agriculture	How deep are water ways?	The depth depends on the area and the amount of run-off. It can be anything from 300 mm to 700 mm.
09/09-25	Botha, T (Mr)	Free State Department of Agriculture - Directorate: Soil Conservation and Land Care	9-Sep-03	Focus Group Meeting: National and Provincial Departments of Agriculture	Is it possible to replace a cross-rop suspension tower with a <u>compact</u> cross-rop suspension tower?	Yes.

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09/09-26	Vollmer, B (Ms)	Strategic Environmental Focus	9-Sep-03	Focus Group Meeting: National and Provincial Departments of Agriculture	Do water ways have swales along the edges?	Only for the first year. This is to keep the water out of the water way so that the grass may be established. During the second year, the farmer should work the swales away.
09/09-27	Vollmer, B (Ms)	Strategic Environmental Focus	9-Sep-03	Focus Group Meeting: National and Provincial Departments of Agriculture	It does not seem as if it would be necessary to alter the alignment due to the water ways. It will, however be important for Mr. Van der Merwe to collaborate with Mr. Botha during the detail planning and negotiation phases.	Comment noted, thank you.
09/09-28	Botha, T (Mr)	Free State Department of Agriculture - Directorate: Soil Conservation and Land Care	9-Sep-03	Focus Group Meeting: National and Provincial Departments of Agriculture	It is important that both departments (National and Provincial Departments of Agriculture) be given sufficient opportunity to comment on the Environmental Impact Report and Environmental Management Plan (EMP).	Comment noted, thank you. Arrangements will be made to ensure that both departments (national and provincial) get the opportunity to comment on the EMP.
09/09-29	Botha, T (Mr)	Free State Department of Agriculture - Directorate: Soil Conservation and Land Care	9-Sep-03	Focus Group Meeting: National and Provincial Departments of Agriculture	At the moment there are too many variables to reach any real conclusions. It is, however, extremely important that this department (Department of Agriculture) collaborates with Eskom during the detailed planning and negotiation phases.	Comment noted, thank you.
09/09-30	Vollmer, B (Ms)	Strategic Environmental Focus	9-Sep-03	Focus Group Meeting: National and Provincial Departments of Agriculture	Are there any cases that the Department (Provincial Dept. of Agriculture) is aware of where a power line influenced implements that used GPS?	Not as far as is known.
09/09-31	Vollmer, B (Ms)	Strategic Environmental Focus	9-Sep-03	Focus Group Meeting: National and Provincial Departments of Agriculture	In the southern part of the study area, mention was made of an impervious layer or "keerlaag". Farmers were concerned that the water currently held by this layer will be lost if the foundations of the pylons break this layer. Is this a valid concern?	Contact should be made with Mr. Piet van Wyk of the Provincial Department of Agriculture. He would be the best person to consult in this regard. His telephone number is (056) 213-2001. It would also be advisable to get a geologist and do a specialist study in this regard.
10/09-1	Foulds, IGM (Mr)	Landowner	10-Sep-03	Public Meeting: Bultfontein (Sept '03)	It is important to find an alternative route for the line as the existing line affects land with a high yield potential.	Comment noted, thank you. Subsequently, the attendants at the meeting and the meeting on 11 September 2003 identified an alternative route that is to be considered.
10/09-2	Foulds, IGM (Mr)	Landowner	10-Sep-03	Public Meeting: Bultfontein (Sept '03)	Where the line occurs within agricultural land, it will pose severe problems with regard to manoeuvring the large implements that farmers in these areas use. Some of the equipment can be up to 20m wide.	Comment noted, thank you.
10/09-3	Foulds, IGM (Mr)	Landowner	10-Sep-03	Public Meeting: Bultfontein (Sept '03)	It should be noted that precision agriculture is gaining ground in this area and the power lines influences the radio signal. This results in large costs to the farmer.	Comment noted, thank you. Ms. Streaton of Eskom noted that Eskom themselves use GPS. It was later established that the actual problem was not the satellite connection, but the radio signal that connects to the CPU of the computer.

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10/09-4	Foulds, IGM (Mr)	Landowner	10-Sep-03	Public Meeting: Bultfontein (Sept '03)	One should note that the impact that a power line has on a crop farmer is continuous. The impact on a farm with grazing is once off.	Comment noted, thank you.
10/09-5	Foulds, IGM (Mr)	Landowner	10-Sep-03	Public Meeting: Bultfontein (Sept '03)	At this stage the farmers can suggest a few routes that would be worth while investigating. It would not be possible for the farmers to differentiate between the routes in terms of preference as the farmers do not have that type of expertise. These alternatives will have to be investigated by a higher agricultural organisation.	Comment noted, thank you.
10/09-6	Foulds, IGM (Mr)	Landowner	10-Sep-03	Public Meeting: Bultfontein (Sept '03)	By involving organisations such as SA Agri and Free State Agriculture, better solutions can be found.	Comment noted, thank you.
10/09-7	Foulds, IGM (Mr)	Landowner	10-Sep-03	Public Meeting: Bultfontein (Sept '03)	It is suggested that a delegation of farmers from Bultfontein and Wesselsbron attend the meeting in Bothaville to convey the decisions and feelings of the Bultfontein / Wesselsbron farmers.  It should be kept in mind that the current proposal might change after the meeting of 11 September 2003.	Such a delegation was chosen at the meeting and they were present at the meeting of 11 September 2003. The representatives were Messrs. Jan Foulds, Piet Naudé and Hendrik Joubert.  Comment noted, thank you.
10/09-8	Foulds, IGM (Mr)	Landowner	10-Sep-03	Public Meeting: Bultfontein (Sept '03)	It is accepted that the line has to be built and that there will be negative impacts on those landowners affected, but it should also be kept in mind that there are alternatives.  The point of departure is not to move the proposed line from my land to the land of the next farmer, but rather to determine the route that would serve the farming fraternity and the country best.	Comment noted, thank you.
10/09-9	Foulds, IGM (Mr)	Landowner	10-Sep-03	Public Meeting: Bultfontein (Sept '03)	A site visit was held with representatives of Eskom and the consulting team to indicate the potential problems with regard to sand and crop spraying.	This site visit took place on the morning of 10 September 2003 and the following persons were present: ESKOM: Messrs. Levy Maduse, Carol Streaton and Koos van der Merwe; STRATEGIC ENVIRONMENTAL FOCUS: Ms. Bernadette Vollmer; AFROSEARCH: Dr. David de Waal and Ms. Marita Oosthuizen. The site visit was led by Mr. Jan Foulds from the Wesselsbron district.
10/09-10	Willemse, MG (Mr)	Landowner	10-Sep-03	Public Meeting: Bultfontein (Sept '03)	Where this line runs parallel to an existing line, will the conductors be placed on the existing line?	For this project this is not feasible as the existing infrastructure cannot cope with the additional weight.
10/09-11	Joubert, HP (Mr)	Landowner	10-Sep-03	Public Meeting: Bultfontein (Sept '03)	There are considerable farm portions that will become sub-economical, should a line cut across the farm.	Comment noted, thank you.
10/09-12	Van Bilion, P.I (Mr)	Landowner	10-Sep-03	Public Meeting: Bultfontein	The conservation of agricultural land benefits the country. It is important that the Department of Agriculture be involved in this study.	Comment noted, thank you.

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10/09-12	Naudé, PJ (Mr)	Landowner	10-Sep-03	(Sept '03)	Sub-economic farms have no benefit and should be avoided at all cost. We should take the route that would have the least detrimental impact on the land.	Comment noted, thank you.
10/09-13	Naudé, PJ (Mr)	Landowner		Public Meeting: Bultfontein (Sept '03)	The impact on the high potential land affected currently is immeasurable. This line must be moved to an area where grazing is predominant.	Comment noted, thank you.
10/09-14	Naudé, PJ (Mr)	Landowner		Public Meeting: Bultfontein (Sept '03)	With regard to precision agriculture, we should note that more and more farmers will turn to these practices over time. We should also remember that technology improves continually and that technologies that we have not even conceived will become prevalent over time.	Comment noted, thank you.
10/09-15	Beukus, Z (Mr)	Landowner		Public Meeting: Bultfontein (Sept '03)	At the Landowner Workshops it was said that it was possible to move the line a bit. This farmer has a small portion of land that is irrigated. The concern is that the boreholes will run dry if pylons are dug through the impervious layer in the area. The reason for the concern is that the landowner has consulted specialists in the past and they recommended that, since it is not clear how the subterranean water moves in the area, the impervious layer be kept intact.	Comment noted, thank you.
10/09-16	Wahl, G (Mr)	Landowner		Public Meeting: Bultfontein (Sept '03)	Is there genuinely a need for this much electricity?	Please refer to the section on the rationale of the project.
10/09-17	Joubert, HP (Mr)	Landowner		Public Meeting: Bultfontein (Sept '03)	Nobody in Dealesville physically looks after the line. Power may be saved if Eskom had tighter security and maintained the line better.	Comment noted, thank you.
11/09-1	Gouws, HH (Ms)	South African Heritage Resources Agency: Free State	11-Sep-03	Letter	It is important that a qualified archaeologist be appointed by the developer to identify and assess archaeological sites and material they may be affected by the development.	Refer to Annexure C, Appendix C10.
11/09-2	Nel, Lionel (Mr)	Landowner	11-Sep-03	Public Meeting: Bothaville (Sept '03)	Why can the proposed line not follow the existing line?	The existing alignment does not connect the Mercury and Perseus substations. That is why it would not be possible.
11/09-3	Grobler, JE (Mr)	Landowner	11-Sep-03	Public Meeting: Bothaville (Sept '03)	It should be noted that none of the positive feedback received should be construed to indicate agreement with the current proposal.	Comment noted, thank you.
11/09-4	Magelane, S (Mr)	Attendant	11-Sep-03	Public Meeting: Bothaville (Sept '03)	Will new specialist studies be conducted for the alternative corridor suggested by the landowners?	Some of the specialist studies already cover the area, while in some cases, new studies will be commissioned.
9/10-1	Malan, T (Mr)	Department of Health (Free State)	9-Oct-03	E-mail	The Free State Department of Health must be involved in the construction of construction camps with regard to <u>housing, water and sanitation</u> .	Comment noted, thank you.
16/10-1	Naude, P (Mr.)	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	The alignment from Bothaville to Vierfontein is acceptable from an agricultural point of view.	Comment noted, thank you.

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16/10-2	Van der Walt, S (Mr.)	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	There is a registered nature reserve stretching from Mooiveld to Daphe, the bird life on the nature reserve will be negatively affected by the transmission line.	Comment noted, thank you.
16/10-3	Naude, P (Mr.)	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	The project is important for South Africa as a whole. Landowners must assist Eskom to find alternative alignments that would minimise the impact on agriculture.	Comment noted, thank you.
16/10-4	Naude, P (Mr.)	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	Following discussions between landowners and Eskom, Eskom decided to use pylons with a smaller footprint that will have a smaller impact on agriculture.	Comment noted, thank you.
16/10-5	Attendee	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	There are already a lot of distribution lines on farms, the planned transmission line will increase the impact on nature reserves in the area.	Comment noted, thank you.
16/10-6	Van der Walt, S (Mr.)	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	There are flocks of low flying birds in the area, the planned transmission line will impact negatively on them.	A specialist study determining the impacts of the transmission line on bird life was conducted. Mitigation measures will be proposed as part of the EIA. Refer to Annexure C, Appendix C6.
16/10-7	Attendee	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	Why does Eskom not build the transmission line in the North West Province as land is much cheaper there.	Two provincial governments will be involved in the process if the transmission line crosses the border into North West province, this would cause great difficulties with the EIA process. Crossing the provincial border would imply a detour with cost implications, the line would be longer. More electricity would have to be generated because the transmission line would be longer than originally anticipated. Crossing the Vaal River has technical complexities.
16/10-8	Attendee	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	Nobody wants the transmission line on his/her property, landowners should thus work with Eskom to find an alternative that will have a low impact on agriculture.	Comment noted, thank you.
16/10-8	Attendee	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	Constructing the transmission line next to the Wesselsbron railway line should be investigated.	Comment noted, thank you.
16/10-9	Attendee	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	The geological structure (sandy fields) of fields will make the construction of pylons difficult.	Comment noted, thank you.
16/10-10	Attendee	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	There is a distribution and telephone line next to the R59 the addition of a transmission line will thus have a large impact on farms located next to the R59 especially if the pylons have to be 95 meters from the centre of the road.	Eskom could negotiate with the National Roads Agency (NRA) to have the transmission line moved closer than 95 meters to the road, i.e servitude restrictions could be relaxed.
16/10-11	Attendee	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	There are pivot points located on the farm Wegdraai, this could have an impact on the construction of the transmission line.	Comment noted, thank you.
16/10-12	Attendee	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	There are already telephone and distribution lines next to the Bothaville road, the addition of a transmission line will result in a greater impact on agricultural land.	Comment noted, thank you.
16/10-13	Attendee	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	The transmission line should be constructed on head land (wenackers), this will ensure that the impact on agriculture is minimised.	Comment noted, thank you.

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16/10-14	Attendee	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	The soil structure on farm land will make the construction of the transmission line difficult, constructing it on head land (wenackers) would be a better option as the soil structure is more stable.	Comment noted, thank you.
16/10-15	Attendee	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	There are many nature reserves located in the Free State, the transmission line should thus be constructed in the North West Province.	Comment noted, thank you.
16/10-16	Attendee	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	If Eskom negotiates with the NRA to build the transmission line closer to the road - what will the NRA allow?	A specific case alignment will have to be negotiated with the NRA before a decision can be taken.
16/10-17	Attendee	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	The transmission line should be built on the eastern side of the R59 because if the road needs to be upgraded it could be upgraded on the western side, the transmission line would i.e. not have to be moved.	Comment noted, thank you.
16/10-18	Attendee	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	The transmission line should be built next to a road, railway line or on head land.	Comment noted, thank you.
16/10-19	Van der Walt, S (Mr.)	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	The impact of the transmission line next to the R59 will be larger than its impact on the head land because the impact of the servitudes of existing distribution lines and telephone lines on the transmission line make the impact of the transmission line bigger.	Eskom could negotiate with the National Roads Agency (NRA) to have the transmission line moved closer than 95 meters to the road, i.e servitude restrictions could be relaxed.
16/10-20	Van der Walt, S (Mr.)	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	The transmission line will have an impact on precision agriculture.	Will be investigated.
16/10-21	Van der Walt, S (Mr.)	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	There are distribution and telephone lines on both sides of the R59, i.e. 70 meters of agricultural land are affected by servitudes of the lines, the impact of the transmission line next to the R59 is thus bigger.	Comment noted, thank you.
16/10-22	Van der Walt, S (Mr.)	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	No problems are foreseen with the construction of the transmission line on his farm - Mr. Van der Walt accepts the proposed alignment.	Comment noted, thank you.
16/10-22	Van der Walt, S (Mr.)	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	The Department of Nature Conservation should be consulted because the bird life in the area may be affected by the transmission line.	Meeting was held with Sandvlei Nature Reserve officials as well as the Conservation Department of the DTEEA.
16/10-23	Van der Walt, S (Mr.)	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	After consultation with the Department of Nature Conservation (Ms Erica Shields) Eskom will have an indication if the alignment is feasible.	A transmission line can be constructed in a nature reserve.
16/10-24	Van der Walt, S (Mr.)	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	The alignment stretching from Bothaville to Wesselsbron along the railway line should be followed if the Department of Nature Conservation doesn't agree with the proposed alternative alignment along the R 59.	Conflicts in the magnetic fields of transmission and railway lines occur if the lines are adjacent to one another for long stretches, the transmission line will have to break away from the railway line to prevent this from occurring.
16/10-25	Foulds, IGM (Mr.)	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	An alternative alignment was not proposed to move the transmission line away from certain farms, it was done in order to minimise the impact on agricultural land as a whole.	Comment noted, thank you.
16/10-26	Foulds, IGM (Mr.)	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	All landowners (old and new alignments) should be kept involved in the process.	Comment noted, thank you.



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16/10-27	Pienaar, H (Mr.)	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	Why does Eskom want to move the transmission line. Is it because farm owners affected by other alignments complained?	No, alternative 4, which may be a feasible alternative therefore needs to be investigated.
16/10-28	Pienaar, H (Mr.)	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	There are a number of pivot points located on the farm Bospan (on the eastern and western side of the road).	Comment noted, thank you.
16/10-29	Pienaar, H (Mr.)	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	More pivot points are planned on the eastern and western side of the road.	Comment noted, thank you.
16/10-30	Pienaar, H (Mr.)	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	Fish eagles and other bird species are found in the area (close to the river), the bird life will be negatively affected by the transmission line.	Refer to Annexure C, Appendix C 6.
16/10-31	Pienaar, H (Mr.)	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	Head land indicated on maps are not set, farms have been consolidated - this should be taken into account when planning the transmission line.	Comment noted, thank you.
16/10-32	Pienaar, H (Mr.)	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	A straight alignment from Wesselsbron to Bothaville over agricultural land should be investigated.	Comment noted, thank you.
16/10-34	Pienaar, H (Mr.)	Landowner	16-Oct-03	Focus Group Meeting (16 October 2003)	The endangered whistling duck migrates from the months of April to June, they fly during the night and will be affected by the transmission line.	Refer to Annexure C, Appendix C 6.
16/10-35	Manager of nature reserve	Sandveld Nature Reserve	16-Oct-03	Focus Group Meeting (16 October 2003)	The nature reserve rents out sections of the reserve to farmers who operate the areas as hunting farms, they should be contacted.	Comment noted, thank you.
16/10-36	Manager of nature reserve	Sandveld Nature Reserve	16-Oct-03	Focus Group Meeting (16 October 2003)	There is a colony of vultures on Twin Star Ranch, the impact of the transmission line on the vultures should be investigated.	Comment noted, thank you.
16/10-37	Manager of nature reserve	Sandveld Nature Reserve	16-Oct-03	Focus Group Meeting (16 October 2003)	The construction of the transmission line would be acceptable after the EIA is completed and specialist studies indicate that the impact on bird life can be mitigated (i.e. if lines are marked).	Specialists studies will determine how and where to mark the transmission line to mitigate the impacts on bird life. Refer to Annexure C, Appendix C 6.
16/10-38	Manager of nature reserve	Sandveld Nature Reserve	16-Oct-03	Focus Group Meeting (16 October 2003)	The Sandvald Nature Reserve is owned by the Department of Water Affairs and Forestry, Free State Nature Conservation manages it from them.	Comment noted, thank you.
25/11-52	Pienaar, H (Mr)	Landowner - Bospan	25-Nov-03	Focus Group Meeting (25 November 2003)	How far must the transmission line be from a road?	According to servitude restrictions the line must be 95m from the centre of a road.
25/11-53	Attendee		25-Nov-03	Focus Group Meeting (25 November 2003)	Can the transmission line be curved?	Yes, but for financial reasons Eskom tries to construct it as straight as possible.
25/11-54	Attendee		25-Nov-03	Focus Group Meeting (25 November 2003)	What type pylons are going to be used.	The use of a specific type of pylon can be negotiated with Eskom.
25/11-55	Attendee		25-Nov-03	Focus Group Meeting (25 November 2003)	Did the EIA investigate the impact of the transmission line on cultivated land and on precision farming, if not a study should be conducted to determine the impact of the line of precision farming	Refer to Annexure C Appendix C1 & C2 for the Agricultural Economic and Social Impact Assessments. The effect on precision agriculture is being investigated.
25/11-56	Foulds, IGM (Mr)	Landowner - Carmel	25-Nov-03	Focus Group Meeting (25 November 2003)	The transmission line will have a negative impact on precision farming	Comment noted, thank you.
25/11-57	Pienaar, H (Mr)	Landowner - Bospan	25-Nov-03	Focus Group Meeting (25 November 2003)	How much longer is the new alignment corridor than the previous preferred alignment.	20 - 30km.

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25/11-58	Attendee		25-Nov-03	Focus Group Meeting (25 November 2003)	Why does Eskom not build the transmission line in the North West Province as land is much cheaper there.	See above.
25/11-59	Pienaar, H (Mr)	Landowner - Bospan	25-Nov-03	Focus Group Meeting (25 November 2003)	The construction of the line next to or close to the river will be difficult as irrigation systems, pivot points and tourism activities are found there.	Comment noted, thank you.
25/11-60	Pienaar, H (Mr)	Landowner - Bospan	25-Nov-03	Focus Group Meeting (25 November 2003)	How far are the supporting towers from one another.	±400 - 500 meters
25/11-61	Attendee		25-Nov-03	Focus Group Meeting (25 November 2003)	How high is the supporting towers	± 8 - 50 meters
25/11-62	Attendee		25-Nov-03	Focus Group Meeting (25 November 2003)	What impact will the transmission line have on aeroplanes?	The transmission line will be marked according to specification in areas where flying activities take place.
25/11-63	Attendee		25-Nov-03	Focus Group Meeting (25 November 2003)	What will happen to existing structures (buildings, pivot points) that falls within the alignment.	The alignment indicated is a corridor , the transmission line can be moved within the corridor to bypass structures - this will be negotiated during the negotiation process.
25/11-64	Attendee		25-Nov-03	Focus Group Meeting (25 November 2003)	If the transmission line is constructed on a farm boundary will it be on one farm or on both sides of the boundary.	Can be on one or on both, depends on the negotiation process.
25/11-65	Attendee		25-Nov-03	Focus Group Meeting (25 November 2003)	The alignment should be changed - it should run via Wesslesbron, Bossieveld and Odendaalsrus. The impact on agriculture would be reduced if this is done.	Comment noted, thank you.
25/11-66	Attendee		25-Nov-03	Focus Group Meeting (25 November 2003)	There are existing transmission lines in the area, how far will the new line be from existing lines.	Existing lines will only be followed in certain areas.
25/11-67	Attendee		25-Nov-03	Focus Group Meeting (25 November 2003)	How wide is the area (transmission line servitude) that Eskom will pay compensation for.	Farmers will be compensated for a 55 meter servitude by the length it traverses the affected farm.
25/11-39	Attendee		25-Nov-03	Focus Group Meeting (25 November 2003)	What is the size of the transmission line (how much electricity will it conduct)	A 400 kV transmission line is proposed
25/11-40	Attendee		25-Nov-03	Focus Group Meeting (25 November 2003)	Can land be cultivated under the transmission line after it has been constructed?	Yes
25/11-41	Attendee		25-Nov-03	Focus Group Meeting (25 November 2003)	The impact of the line would be reduced if it is constructed on grazing land instead of cultivated land.	Comment noted, thank you.
25/11-42	Attendee		25-Nov-03	Focus Group Meeting (25 November 2003)	When do Eskom intend to start construction of the transmission line	As and when the need arises i.e. there is enough demand to valid such an expense. However, a servitude can be established up front.
25/11-43	Attendee		25-Nov-03	Focus Group Meeting (25 November 2003)	Electricity provision in the area is problematic as power outages occur regularly.	Comment noted, thank you.
25/11-44	Attendee		25-Nov-03	Focus Group Meeting (25 November 2003)	The power line between Soutpan and Bultfontein should be upgraded or replaced instead of building a new transmission line.	Comment noted, thank you.
25/11-45	Attendee		25-Nov-03	Focus Group Meeting (25 November 2003)	The supporting lines of the transmission line will take up a lot of land.	Comment noted, thank you.
25/11-46	Attendee		25-Nov-03	Focus Group Meeting (25 November 2003)	How far must the transmission line be from a road?	According to servitude restrictions the line must be 95m from the centre of a road, however a relaxation thereof can be requested.
25/11-47	Attendee		25-Nov-03	Focus Group Meeting (25 November 2003)	Who will benefit from the transmission line.	South Africa as a whole would benefit from the proposed line as the network is strengthened.

No.	SURNAME AND INITIALS	ORGANISATION	DATE	TYPE OF COMMUNICATION	ISSUE / COMMENT / QUESTION	CROSS-REFERENCE TO REPORT / RESPONSE
25/11-48	Attendee		25-Nov-03	Focus Group Meeting (25 November 2003)	How will the safety of farmers be guaranteed when the construction of the transmission line starts (i.e. will farm attacks increase)?	Eskom cannot provide a guarantee that criminal activities will not take place during the construction of the transmission line, however an Environmental Officer is appointed to ensure that conditions stated in the EMP are strictly adhered to.
25/11-49	Attendee		25-Nov-03	Focus Group Meeting (25 November 2003)	What do the consultants investigate as part of the environmental studies?	Bio-physical and social impacts of the proposed transmission line are investigated in terms of the cumulative impact on agriculture (it should be minimised), Economic aspects are taken into account with regard to the applicant (Eskom) and affected landowners and the social impacts of the proposed activity should not have an adverse impact on the daily lives of affected individuals and communities.
25/11-50	Attendee		25-Nov-03	Focus Group Meeting (25 November 2003)	What would happen if a pylon falls over and a cow is shocked to death, this has happened to a farmer in the area.	See procedure stipulated above.
25/11-51	Attendee		25-Nov-03	Focus Group Meeting (25 November 2003)	What would happen if a veld fire starts as a result of a substation or transmission line on a farmer's property.	See procedure stipulated above.
26/11-68	Attendee		26-Nov-03	Focus Group Meetings (26 November 2003)	Would crop spraying be possible under or over the transmission line?	The proposed transmission line will have a ground clearance of 7.5 - 8 meters, the transmission line can be constructed higher if it is required. All farms, its problems and needs will be looked at on an individual basis during the negotiation process.
26/11-69	Attendee		26-Nov-03	Focus Group Meetings (26 November 2003)	Will trees that are in the way of the transmission line be removed.	Tall trees in the way of the transmission line will be removed.
26/11-70	Attendee		26-Nov-03	Focus Group Meetings (26 November 2003)	What will happen if crops are on fields during the construction phase.	Farmers will be compensated if crops damaged as a result of construction.
26/11-71	Attendee		26-Nov-03	Focus Group Meetings (26 November 2003)	How far must the transmission line be from railway lines and pivot points.	The transmission line must be 27.5 meters from a railway line (outside its servitude). The transmission line can pass over pivot points.