

Proposed Eskom Thyspunt Transmission Lines Integration Project

MINUTES OF FEEDBACK MEETING HELD WITH

**Residents Associations / CBOs/ Chambers of
Commerce/ Rate Payers Associations /Tourism
Association(s) from
Oster Bay/ Cape St Frances/ St Francis/
Humansdorp**

**Held on
Monday 11 October 2010
Community Hall, St Francis Bay**

SiVEST Environmental (Pty) Ltd

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Notes for the draft Minutes prepared by:

Nicolene Venter

Please address any comments to Nicolene Venter or Andrea Gibb at the address provided above.

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FEEDBACK MEETING MINUTES

Venue: Community Hall, St Francis Bay
Date: Monday, 11 October 2010
Time: 14h00

1 WELCOME AND INTRODUCTIONS

Nicolene Venter, the facilitator, thanked the attendees for attending the Feedback Meeting and provided Liesl Koch the opportunity to present the status of the proposed Thyspunt Transmission Lines Integration Project (TTLIP) to them.

The attendees were requested to identify themselves when raising questions, comments and/or concerns for minute taking purposes.

2 MEETING ATTENDEES

A copy of the attendance record is attached as Annexure A.

3 PURPOSE OF THE MEETING

Liesl Koch informed the attendees that the purpose of the Feedback Meeting is to:

- provide a recap of the proposed project;
- provide information regarding the updating of route corridors and substation sites; and
- provide an opportunity to seek any further clarity on the proposed project.

4 PROJECT OVERVIEW

Liesl Koch gave a brief overview as to why the proposed project is required and did not elaborate in detail as most stakeholders and I&APs have been part of the consultation process to date.

The following key information was presented:

- Why was there a delay in the process?
The EIA process was put on hold towards the end of January 2010 due to financial reasons. Additional funds for the project had to be sourced through Eskom's procurement procedures.
- What is the current status of the project?
 - The environmental specialists are conducting their detailed studies and they are (in alphabetical order)
 - Agricultural potential
 - Avifauna
 - Fauna
 - Flora
 - Geology and geohydrology
 - Heritage

- Socio-economic
- Surface water
- Tourism
- Visual
- Possible routing through Longmore Forest's southern fire break
- Feedback Meetings
- Consultation with I&APs

5 SUMMARY OF EIA PROCESS UNDERWAY

The attendees were informed that through the EIA process various constraints have been identified along the Northern and Southern Corridors, including the proposed new PE Substation site at Fitches corner. Reference was made to a few constraints i.e. Visual, Tourism, Biodiversity, Social, etc in a number of areas such as, but not limited to:

- St Francis / Jeffrey's Bay Areas
- Longmore Forest
- Baviaanskloof
- KwaNobuhle
- Despatch / Motherwell

A copy of the presentation is attached as Annexure B.

6 DISCUSSIONS

A copy of the discussion document is attached Annexure C.

7 CLOSURE AND THE WAY FORWARD

Nicolene Venter informed the attendees that the following is being planned and the dates mentioned are **preliminary** and could change:

- | | |
|---|----------------------------------|
| ▪ Series of Feedback Meetings: | October 2010 |
| ▪ Specialist Studies: | October – November 2010 |
| ▪ DEIR review: | Mid January to end February 2011 |
| ▪ Public Meetings and KSW during DEIR review period | |
| ▪ Submit final EIR to DEA: | Mid March 2011 |

Nicolene Venter thanked all present for their attendance and the valuable inputs received at the meeting, attendees were also notified that the meeting would not be the only opportunity to submit comments on the proposed project. At any time throughout the impact phase, I&APs can submit comments and/or concerns.

The meeting closed at 15h30.

Annexure A

ATTENDANCE RECORD

Attendance Record: TTLIP Feedback Meeting - St Francis Bay : 11 October 2010

<u>Name:</u>	<u>Position</u>	<u>Company</u>
Byker, Nonka	Social Impact Specialist	Master Q
Cowling, Shirley	Member	Friends Of The St Francis Nature Reserve
Malan, Trudi	Operations Manager	Penguins: Eastern Cape
Pieters, Dudley	Caretaker	St Francis Bay Bowling Club
Reichert, Kobus	Representative	Gamtkwa Khoisan Council
Thorpe, Hilton	Chairman	Kouga Anti-Nuclear Group (KANG)
Thorpe, Hilton	Chairman	St Francis Ratepayers Association
Thorpe, Hilton	Member	St Francis Kromme Trust
Totals		

PRESENTATION

**ESKOM THYSPUNT TRANSMISSION LINES
INTEGRATION PROJECT**

Feedback Meeting

St Francis / Humansdorp / Oyster Bay
Associations

Monday 11 October 2010

Consulting Engineers • Project Managers • Environmental Consultants • Town and Regional Planners
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Agenda

- Welcome, Introduction & Apologies
- Recap & Update of route corridors and substation sites
- Discussion session
- Way Forward & Closure

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PROJECT OVERVIEW

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Overview of Project

- Why the delay?
- Where are we now?
- Why is the project necessary?
 - The project is required to integrate electricity to be generated by the proposed Thyspunt Nuclear Power Station.

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Overview of Project

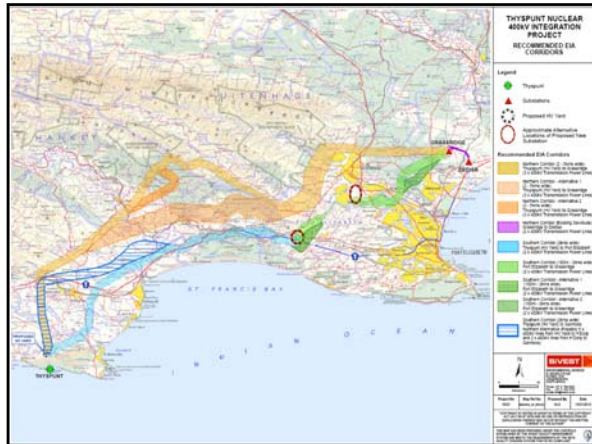
- What does the proposed development entail?
 - The construction of five (5) 400kV Transmission lines.
Two corridors proposed
 - Northern Corridor - 3 lines
 - Southern Corridor 2 lines
 - The proposed corridors will run between the proposed Thyspunt Nuclear Power Station High Voltage Yard to the existing Grassridge and Dedisa substations
 - New PE Tx Substation

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Overview of Project: EIA Phase

- Corridor Constraints i.e. Visual / Tourism / Biodiversity / Social
 - St Francis / Jeffrey's Bay Areas
 - Longmore Forest
 - Baviaanskloof
 - KwaNobuhle
 - Despatch / Motherwell
- Proposed new PE substation

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EIA Studies



- The following studies will be undertaken through to the EIR:
 - Flora
 - Fauna
 - Avifauna (birds)
 - Geology and geohydrology
 - Surface water
 - Agricultural potential
 - Visual
 - Socio-economic
 - Tourism
 - Heritage

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EIA Way Forward - 2010



Proposed dates:

- Series of Feedback Meetings: October 2010
- Specialist Studies: October – November 2010
- DEIR review: Mid January to end February 2011
- Public Meetings and KSW during DEIR review period
- Submit final EIR to DEA – mid March 2011

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Contact Details



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DISCUSSION DOCUMENT

EIA FOR THE PROPOSED THYSPUNT INTEGRATION PROJECT

DISCUSSION DOCUMENT: FEEDBACK MEETING – ST FRANCIS BAY COMMUNITY HALL

Monday, 11 October 2010

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NOTE: Comments are captured alphabetically according to surname and the Discussion Document is not verbatim.

ABBREVIATIONS:

CES Coastal Environmental Services
EIA Environmental Impact Assessment
HIA Heritage Impact Assessment
PE Port Elizabeth
Tx Transmission

PPP Public Participation Process
SIA Social Impact Assessment
SS Substation
SAHRA South African Heritage Agency

Issue/Comment	Raised By	Response
1. EIA Process Comments/ Issues		
Expressed concern regarding the non-use of local specialists.	COWLING, Shirley Friends of St Francis Nature Reserve	External specialists are used due to the quality of their work known to SiVEST Liesl Koch, SiVEST
Enquired as to when the specialist studies will be undertaken		Beginning of September 2010. Liesl Koch, SiVEST
In terms of the timeframe of the EIA process, where do the alternatives now being proposed fit in as these alternatives were not included in the final scoping report . This change constitutes the need to re-do the scoping study and/or the re-start of the project.	MALAN, Trudi Member: Thyspunt Alliance Cape St Francis Civics	The information of these additional corridor alternatives have been included in the EIA Newsletter that was distributed to all registered I&APs and is now presented at the Feedback Meetings. The process followed to date has been an open and transparent process. The majority of areas were assessed as part of the original 5km corridors otherwise it was indicated the full EIA studies would be conducted on these areas regardless. Liesl Koch, SiVEST
It was stated that procedurally this EIA process is not correct as there should be three separate EIA and public participation processes, as the projects in are located within different local authorities.		In terms of the NEMA regulations, the EIA and PPP can be conducted concurrently as the three EIAs have been registered with DEA in terms of a Class Application Regular liaison takes place between SiVEST and DEA which ensures that the process being followed is in terms of NEMA and the EIA Regulations. The reason for the Class Application was that should one Application be lagging behind, the others can proceed and it is a smoother process. Liesl Koch, SiVEST
In response to the answer provided, it was stated that the project team is using the process to the benefit of the developer and not the public and run the risk for appeals		Comment noted.
Stated that the socio-economic issues have been given the highest weighting in general and wanted to know what method has been used to do the impact ratings.		Socio-economic impacts generally are the front runner when impacts are rated; however, no fatal flaws have been identified. Re-iterated that it is a preliminary statement at this stage. Liesl Koch, SiVEST Post meeting note: A procedure recognised by the authorities is used to rate impacts according to intensity, probability, extent and duration.
The project team was informed that at a public meeting held by CES, the public was		The Tx power lines from the proposed Nuclear Power Station to the

Issue/Comment	Raised By	Response
informed that SiVEST's scope includes the Thypsunt dune field and the HV Yard.		<p>HV yard, situated to the north of the sand dunes are part of Arcus GIBB's scope. SiVEST's EIA starts from the HV yard.</p> <p>Liesl Koch, SiVEST</p> <p>Post-meeting note:</p> <p>The matter has been taken up with CES and the outcome was that the information provided to I&APs at their meeting was incorrect. It is confirmed that the Tx power lines from the proposed Nuclear-1 Power Station to the HV yard falls under the EIA being conducted by Arcus GIBB.</p>
Enquired whether or not the 400kV power lines are be used for other purposes.		<p>The 2 x 400kV Tx power lines between the proposed new PE SS and Grass Ridge SS will be build regardless of the Nuclear Power Station, in order to supply power to NMBMM.</p> <p>Liesl Koch, SiVEST</p>
<p>In terms of the above-mentioned response, it was re-iterated that in terms of NEMA, the EIA processes should not be conducted as separate EIAs and should be run as one as the cumulative impacts cannot be assessed properly.</p> <p>It was further re-iterated that it is the EIA consultant's responsibility to advise their client, Eskom that it should not be a stand-alone study.</p>		<p>DEA are satisfied with the process that is being followed and SiVEST is working on the assumption that the Nuclear Power Station will be built. This EIA will fall away should the Nuclear Power Station not be built. Objections must be lodged with DEA and it will filter it down to this EIA. The attendees were informed that a legal opinion will be sought on the independence of the EIA processes.</p> <p>Liesl Koch, SiVEST</p>
Expressed concern on the year lapse of the project and stated that it is procedurally not correct and unfair to stakeholders as there are new I&AP's, landowners etc.		<p>SiVEST updates the database on a regular basis to ensure that the I&APs / landowners / stakeholders are still relevant. It is also the I&APs' responsibility to keep the project team informed of changes in their organisations, if properties are sold etc. We are following a robust process to ensure that all landowners in the corridor are informed.</p> <p>Nicolene Venter, SiVEST</p>
Enquired as to whether all of these options are still being considered or were some eliminated.		<p>The corridors have been refined and a number of options, through the consultation process, has been widened / narrowed for further assessment.</p> <p>Liesl Koch, SiVEST</p>
It was enquired as to why HIA are always at the bottom of the list of specialist studies.	REICHERT, Kobus Representative: Gamtkwa Khoisan Council	<p>The order of environmental studies to be undertaken and by whom, as per the presentation has not been listed in in terms of importance, but purely a list drafted to indicate to I&APs what will be assessed.</p> <p>Liesl Koch, SiVEST</p>
2. Heritage Impact Related Comments/ Issues		
Enquired about the expertise and knowledge of the Heritage specialist, specifically	REICHERT, Kobus	Johnny van Schalkwyk is the newly appointed Heritage specialist and

Issue/Comment	Raised By	Response
with regards to his knowledge of coastal heritage and the Eastern Cape itself.	Representative: Gamtkwa Khoisan Council	his field of expertise will be confirmed, Liesl Koch, SiVEST Post-meeting note: Johnny van Schalkwyk's CV is attached to the Minutes as Appendix D.
The various applications have been read and it was found that no local archaeologists have been consulted or made used of.		See comment above.
3. GIS / Mapping Related Comments/ Issues		
It was commented that there was not a standard set up maps used by the various specialists in their reports and this was extremely confusing to I&APs and requested that SiVEST standardise their mapping to be used in reports.	MALAN, Trudi Member: Thyspunt Alliance Cape St Francis Civics	Request noted and will be brought under the attention of SiVEST GIS specialist and the team of environmental specialists Liesl Koch, SiVEST
4. Route Alignment Related Comments / Concerns		
Requested an explanation regarding the proposed routing "loop" at the Stinkhoutberg area.	COWLING, Shirley Friends of St Francis Nature Reserve	The corridor routing (referred to as the Northern Corridor – Alternative 2) has been included for detailed assessment to avoid the Stinkhoutberg Nature Reserve, as to avoid any possible impacts on the nature reserve. Liesl Koch, SiVEST
It was stated in the presentation that the NMBMM indicated a 100m restriction for the power lines through KwaNobuhle and enquired whether a similar request has been made by the Kouga Local Municipality where the proposed power lines bend easterly at Kruisfontein?	MALAN, Trudi Member: Thyspunt Alliance Cape St Francis Civics	The Kouga Local Municipality did not request any restrictions in or around Kruisfontein. SiVEST has been informed of the planned extension of Kruisfontein and this information is being taken into consideration. The project team need to be informed about proposed developments. The reason for assessing 2km – 5km corridors is to provide Eskom the flexibility to negotiate servitudes around approved developments and dwellings. Liesl Koch, SiVEST
5. Technical Related Comments / Concerns		
It was enquired as to what the minimum distance is between two power lines.	MALAN, Trudi Member: Thyspunt Alliance Cape St Francis Civics	The registered servitude required per power line is 55m and one power line can be located adjacent to the next one, although this is not a preferred option for Eskom from a technical and safety point of view.. Should two power lines run parallel to each other, the registered servitude will be 110m. It needs to be noted that the power lines will not cross over housing or any other permanent structures as these will be avoided as far as possible. For the Kruisfontein area, it is proposed that the power lines will run on

Issue/Comment	Raised By	Response
		the outskirts of Kruisfontein. Liesl Koch, SiVEST
6. Communication Related Comments/ Issues		
The contact details of the Environmental Officer at DEA were requested.	COWLING, Shirley Friends of St Francis Nature Reserve	Information forwarded via e-mail on 23 November 2010.
Requested information as to who the environmental specialists are that form part of the EIA team for this project and which studies are being conducted.		The list will be attached to the draft minutes. Nicolene Venter, SiVEST Post-meeting note: List of Environmental Specialists attached to the Minutes as Appendix E.
Requested that the project team pursue the possibility of a narrower corridor through Kruisfontein.	MALAN, Trudi Member: Thyspunt Alliance Cape St Francis Civics	Request noted and will be considered during investigations. Liesl Koch, SiVEST
Concern was expressed that the community of Kruisfontein might not be aware or understand the magnitude of the power lines that will traverse Kruisfontein.		One of the consultation methodology followed was to inform the Councillors of the proposed project and the Councillors then inform their constituencies i.e. Kruisfontein. The Open Day held during the scoping phase of the proposed project took place in Kruisfontein and was widely advertised through the distribution of flyers and posters. Liesl Koch, SiVEST
The project team was notified that Die Berg is a small community situated north-west of Kruisfontein and will be affected by the Northern Corridor.		Information noted and the PP team will ensure that the community are consulted. Nicolene Venter, SiVEST
The project team was informed that Public Process (Sandy Wren) is dealing with the new Township Application at Kruisfontein.		Thanked the attendee for the Information and will be followed up. Nicolene Venter, SiVEST
A CD containing the Scoping Report was requested.	THORPE, Hilton Chairman: St Francis Rate Payers' Association	A CD will be made available. Liesl Koch, SiVEST Post-meeting note: The CD was posted on 24 November 2010.
7. General Comments/ Issues		
It was enquired whether the public documents are being published in Afrikaans and Xhosa.	MALAN, Trudi Member: Thyspunt Alliance Cape St Francis Civics	Xhosa flyers, public meeting notices and DSR availability have been distributed in KwaNobBuhle and Rosedale and the minutes of meetings held with communities have been translated into English (if the meeting took place in Xhosa) and Afrikaans (where required). Liesl Koch, SiVEST
It was mentioned that the quality of the maps on SiVEST's server is low in resolution which make it difficult to read.		Comment noted and maps with a higher resolution will be placed on the website. It needs to be noted that these would be large files which might cause difficulty when downloading

Issue/Comment	Raised By	Response
Enquired on the commencement date of the Bantamsklip project.		Liesl Koch, SiVEST
Enquired the status of the Gamma-Grass Ridge Environmental Authorisation.		The EIA for this project is being conducted by Arcus GIBB and the question will be forwarded to them. Liesl Koch, SiVEST
The project team was informed that a thesis is being done by an Eskom employee, Hennie de Beer, on Die Berg community.		Request will be forwarded to Eskom. Tx. Liesl Koch, SiVEST
A request was made for a copy of the Public Meeting minutes that were previously commented on as a copy of the revised minutes was not received.		Information noted.
	REICHERT, Kobus Representative: Gamtkwa Khoisan Council	Copy of the minutes will be forwarded Nicolene Venter, SiVEST
8. Nuclear Comments/ Issues		
The project team was requested to submit a recommendation to Eskom for an alternative feasible site that is located closer to existing infrastructure such as Coega. Stated that the alternative must take into account socio-economic and biodiversity issues etc and not only in terms of a corridor.	MALAN, Trudi Member: Thyspunt Alliance Cape St Francis Civics	Informed the member that Eskom have indicated that they cannot put a power station in Coega as it is not technically feasible. The project team has recommended alternatives etc and it will be re-iterated. Liesl Koch, SiVEST
Reference was made to the comments submitted by SAHRA and it is the assumption that SAHRA's comments have not been taken into consideration, especially in terms of a Palaeontology Assessment.	REICHERT, Kobus Representative: Gamtkwa Khoisan Council	SiVEST cannot comment on the Nuclear EIA process. Comment will be forwarded to Arcus GIBB.
It was re-iterated that SAHRA did object to the Nuclear-1 Project but it seems that the comments/ objection have not been considered.	THORPE, Hilton Chairman: St Francis Rate Payers' Association	

COPY OF CV

CURRICULUM VITAE
Johan Abraham van Schalkwyk

PERSONAL PARTICULARS

Date of birth: 14 April 1952
Identity number: 520414 5099 08 4
Marital status: Married; one daughter
Nationality: South African

CURRENT POSITION

Head of Research: National Cultural History Museum.

CURRENT ADDRESS

Work:

P O Box 28088, Sunnyside, 0132

Tel: (012) 324 6082; Fax: (012) 328 5173; E-mail: johnny@nfi.org.za

Home:

62 Coetzer Ave, Monument Park, Pretoria, 0181

Tel: (012) 347 7270

ACADEMIC QUALIFICATIONS

BA. - 1976

BA. (Hons.) Archaeology - 1978 - (with distinction)

Post Graduate Diploma in Museum Science - 1979

BA. (Hons.) Anthropology - 1981 - (with distinction)

MA. Anthropology - 1985

D. Lit et Phil (Anthropology) - 1996

NON ACADEMIC QUALIFICATIONS

Gencor Management Course - 1986

Gencor Management Course - Advance Course - 1987

12th HSRC-School in Research Methodology - July 1990

Dept. of Education and Training Management Course - June 1992

Social Assessment Professional Development Course - 1994

Integrated Environmental Management Course, UCT - 1994

EMPLOYMENT RECORD

1978 - present: National Cultural History Museum, Pretoria

1976 - 1977: Archaeology Department, University of Pretoria

PROFESSIONAL EXPERIENCE

- 1992 - present: Chief researcher: Head of Department of Research. Manage an average of seven researchers in this department and supervise them in their various research projects. Also do various projects relating to Anthropology and Archaeology in Limpopo Province, Mpumalanga, North West Province and Gauteng. Am also in charge of the Museum's section for Heritage Impact Assessment projects. Have done work in this regard in Limpopo Province, Gauteng, Mpumalanga, North West Province, Botswana, Lesotho and Swaziland. Curated various exhibitions at different museums.
- 1978 - 1991: Curator of the Anthropological Department of the Museum. Carried out extensive fieldwork in both anthropology and archaeology and HIA projects all over Mpumalanga, Limpopo Province and Gauteng. Curated various exhibitions at different museums.
- 1976 - 1977: Assistant researcher responsible for excavations at various sites in Limpopo Province and Mpumalanga.

PROFESSIONAL MEMBERSHIP

- Member, Association for Anthropologists in Southern Africa
Member, South African Association of Archaeologists
Member, Southern African Museums Association
Member, International Association for Impact Assessment, South African Chapter
Member, African Studies Association, Smithsonian Institute, Washington
Member, African Studies Association of Australasia and the Pacific, Perth

ADVISORY POSITIONS

1. Honorary curator, National Monuments Council: 1984-1989.
2. Member of the "Steering committee for the promotion of the arts in the Greater Pretoria": 1992-1994.
3. Member, Board of Directors of the Bakgatla ba Kgafela Heritage Centre: 1997-2000
4. Member, CRM section of the South African Association of Archaeologists: 1997-1998.
5. Member of the Archaeological Standards Generating Body: 2002-

COMMUNITY DEVELOPMENT

1. Assisting the Bakgatla-ba-Kgafela people, located at Saulspoort, North West Province, to establish a Community Heritage Centre
2. Informal training of students from formerly disadvantaged communities in aspects of heritage management, museology, etc. The main thrust of this action is to give them some vocational training to prepare them for future job opportunities.
3. Assisting the Hananwa and Bakoni бага Matlala Tribal Authorities with conservation of sites of cultural significance through programmes of sustainable tourism development.
4. Assisting the Mlambo Tribal Authority with development of programme for cultural tourism.
5. Assisting the Ndebele of Manala with documentation and development of sites of cultural significance for tourism.

LECTURING

Present on regular basis lectures at professional associations - a complete list can be supplied on request.

Act as guest lecture for

- museology at the University of Pretoria;

PUBLICATIONS

Published more than fifty papers on topics relating to anthropology, archaeology, history and impact assessment in various scientific journals - a complete list can be supplied on request.

TEMPORARY EXHIBITS

Curated a total of 14 temporary exhibits on diverse topics. A complete list can be supplied on request.

AWARDS AND GRANTS

1. Hanisch Book Prize for the best final year Archaeology student, University of Pretoria - 1976.
2. Special merit award, National Cultural History Museum - 1986.
3. Special merit award, National Cultural History Museum - 1991.
4. Grant by the Department of Arts, Culture, Science and Technology, to visit the various African countries to study museums, sites and cultural programmes - 1993.
5. Grant by the National Parks Service, USA, to visit the United States of America to study museums, sites, cultural programmes and impact assessment programmes - 1998.
6. Research grant by the Department of Arts, Culture, Science and Technology - 1999.
7. Grant by the Cultural Affairs office of the United States Embassy to attend a conference in Charleston, West Virginia - 2000.
8. Grant by the National Research Foundation to develop guidelines for community based tourism projects - 2001.

CONTRACT WORK

1. Did research (anthropological, archaeological and historical) and collecting of museum material for various museums and institutions, including:
Cultural History Museum, Cape Town; Anthropology Museum, Hamburg (Germany); Royal Academy of Art, London; Johannesburg Art Gallery.
2. Did more than 180 impact assessments (archaeological, anthropological and social) for various departments and companies. Projects include roads, dams, mining, water purification works, historical landscapes, refuse dumps and urban developments. Clients include the following:
Pretoria City Council; AMCOAL; Anglo-Alpha; Africon; CSIR; Conradie, Müller & Associates, Architects; Dept. of Environmental Affairs & Tourism; Akasia City Council; Walmsley Environmental Consultants; HSRC; Rustenburg Platinum Mines; Digby Wells & Associates; Seneque, Maughan-Brown, SWK; Consultburo; Bruinette, Kruger & Stoffberg, Consulting Engineers; Danie Joubert & Associates; Corporate Image; Western Platinum; Environmental Impact Management Services (EIMS); Strategic Environmental Focus; Oryx Environmental; Loxton, Venn & Associates; Ekokonsult Inc.; Afrosearch Index; Gouws Uys & White; Booz-Allen & Hamilton (SA) Ltd; Midrand Metropolitan Council; GLMC, Naledi Development.
3. Am also involved with the development of sites of cultural significance as tourist attractions. These include sites around Pretoria, in North West Province, Limpopo Province and Lesotho.

NON-PROFESSIONAL EXPERIENCE

Is currently also responsible for editorial work with regard to:

- Editor of the journal **Research by the National Cultural History Museum.**
- Editorial board member for **Southern African Field Archaeology**

LIST OF ENVIRONMENTAL SPECIALISTS

**ENVIRONMENTAL IMPACT ASSESSMENT
PROPOSED THYSPUNT TRANSMISSION LINES INTEGRATION PROJECT**

LIST OF ENVIRONMENTAL SPECIALISTS

SPECIALIST STUDY	SPECIALIST UNDERTAKING THE STUDY
Agricultural Potential	Kurt Barichievy: SiVEST
Archaeological and Heritage Impacts	Johanny Van Schalkwyk
Avifauna Impacts (Birds)	Luke Strugnell: Endangered Wildlife Trust
Fauna & Flora	Liesl Koch: SiVEST
Geographical Information Systems (GIS)	Kerry Schwartz: SiVEST
Geotechnical	Johan Hattingh: Creo Design (Pty) Ltd
Palaeontology Impacts	Bruce Rubidge: University of Witwatersrand
Public Participation	Nicolene Venter: SiVEST
Social & Socio-economics Impacts	Nonka Baker: MasterQ Research
Tourism Impacts	Faith Kalibbala: SiVEST
Visual Impacts	Paul da Cruz: SiVEST
Wetlands & Hydrology	Paul da Cruz: SiVEST