



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

APPLICATION FORM FOR ENVIRONMENTAL AUTHORISATION

	(For official use only)
File Reference Number:	14/12/16/3/3/2/424
NEAS Reference Number:	DEA/EIA/0001519/2012
Date Received:	

Application for authorisation in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), (the Act) and the Environmental Impact Assessment Regulations, 2014 the Regulations)

PROJECT TITLE

PROPOSED NARINA (BLANCO) 400/132KV MAIN TRANSMISSION SUBSTATION AND THE DROERIVIER PROTEUS LOOP-IN LOOP-OUT POWERLINE PROJECT, GEORGE, WESTERN CAPE.

Kindly note that:

1. This application form is current as of 08 December 2014. It is the responsibility of the applicant to ascertain whether subsequent versions of the form have been published or produced by the competent authority.
2. The application must be typed within the spaces provided in the form. The sizes of the spaces provided are not necessarily indicative of the amount of information to be provided. Spaces are provided in tabular format and will extend automatically when each space is filled with typing.
3. Where applicable **black out** the boxes that are not applicable in the form.
4. The use of the phrase "not applicable" in the form must be done with circumspection. Should it be done in respect of material information required by the competent authority for assessing the application, it may result in the rejection of the application as provided for in the Regulations.
5. This application must be handed in at the offices of the relevant competent authority as determined by the Act and Regulations.
6. No faxed or e-mailed applications will be accepted. An electronic copy of the signed application form must be submitted together with two hardcopies (one of which must contain the original signatures).
7. Unless protected by law, all information filled in on this application form will become public information on receipt by the competent authority. Any interested and affected party should and shall be provided with the information contained in this application on request, during any stage of the application process.
8. Should a specialist report or report on a specialised process be submitted at any stage for any part of this application, the terms of reference for such report and declaration of interest of the specialist must also be submitted.

9. Proof of payment must accompany this application. The application will not be processed without proof of payment unless one of the exclusions provided for the Fee Regulations (Fees for consideration and processing of applications for environmental authorisations and amendments thereto Government Notice No.141, published on 28 February 2014) is applicable AND such information in section 1 of this application form has been confirmed by this Department.

Departmental Details

The application must be addressed to the Chief Directorate: Integrated Environmental Authorisations at:

<p>Postal address: Department of Environmental Affairs Attention: Director: Integrated Environmental Authorisations Private Bag X447 Pretoria 0001</p> <p>Physical address: Department of Environmental Affairs Attention: Director: Integrated Environmental Authorisations Environment House 473 Steve Biko Road Arcadia Pretoria</p> <p>Queries must be addressed to the contact below:</p> <p>Tel: 012 399 9372 E-mail: EIAAdmin@environment.gov.za</p> <p><i>Please note that this form <u>must</u> be copied to the relevant provincial environmental department/s.</i></p>

View the Department's website at <http://www.environment.gov.za/> for the latest version of the documents.

1. **PROOF OF PAYMENT**

Applicants are required to tick the appropriate box below to indicate that either proof of payment is attached or that, in the applicant's view, an exclusion applies. Proof and a motivation for exclusions must be attached to this application form in **Appendix 1**.

Proof of payment attached as **Appendix 1**

Exclusion applies Please see below.

An applicant is excluded from paying fees if:

The activity is a community based project funded by a government grant; or
The applicant is an organ of state.

TYPE OF EXCLUSION	Tick where applicable. Proper motivation must be attached to the application
The activity is a community based project funded by a government grant	
The applicant is an organ of state	✓

FEE AMOUNT	Fee
Application for an environmental authorisation for which basic assessment is required in terms of the Environmental Impact Assessment Regulations	R2 000
Application for an environmental authorisation, for which S&EIR is required in terms of the Environmental Impact Assessment Regulations	R10 000

Department of Environmental Affairs' details for the payment of application fees:

<p>Payment Enquiries: Tel: 012 399 9119 Email: eiafee@environment.gov.za</p> <p>Banking details: ABSA Bank Branch code: 632005 Account number: 1044 2400 72 Current account Reference number : Reference number to be provided in the specific format indicating centre point coordinates of site in decimal degrees to 5 or 6 decimal places: latitude/longitude eg. -33.918861/18.423300</p> <p>Proof of payment must accompany the application form: Indicate reference number below.</p> <p>Tax exemption status: Status: Tax exempted</p> <p>Reference number:</p>

2. PROJECT DESCRIPTION

Please provide a **detailed** description of the project.

Eskom Holdings SOC Limited appointed Strategic Environmental Focus (SEF) to undertake an environmental application process in the form of a Scoping and Environmental Impact Reporting (EIR) process for the proposed Narina (Blanco) 400/132kV Main Transmission Substation (MTS) and the Droerivier Proteus Loop-in Loop-out power lines located within the Blanco area, George, Western Cape. This project will provide additional support to the existing substation and power lines within the project area with the objective of alleviating capacity constraints due to the ever increasing demand for electricity.

Five (5) alternate sites are being looked at for the proposed located on the Farms Geelhoutboom 217, Klyne Fontyn 218 and Geelhoutboom Berg 318.

Eskom being owner of Portion 51 of Farm Geelhoutboom 217.

Does the project form part of any of the Strategic Infrastructure Projects (SIPs) as described in the National Development Plan, 2011?	YES	NO
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If YES, please indicate which SIPs are applicable in **Appendix 2**. You are also required to provide confirmation of SIP applications from the relevant sector representative which must be attached in **Appendix 2**.

Please indicate which sector the project falls under by crossing out the relevant block in the table below:

Table 1

Green economy + "Green" and energy-saving industries		Greenfield transformation to urban or industrial form (including mining)	
Infrastructure – electricity (generation, transmission & distribution)		Biodiversity or sensitive area related activities	
Oil and gas		Mining value chain	
Biofuels		Potential of metal fabrication capital & transport equipment – arising from large public investments	
Nuclear		Boat building	
Basic services (local government) – electricity and electrification	✓	Manufacturing – automotive products and components, and medium and heavy commercial vehicles	
Basic services (local government) – area lighting		Manufacturing – plastics, pharmaceuticals and chemicals	
Infrastructure – transport (ports, rail and road)		Manufacturing – clothing textiles, footwear and leather	
Basic services (local government access roads)		Forestry, paper, pulp and furniture	
Basic services (local government) – public transport		Business process servicing	
Infrastructure – water (bulk and reticulation)		Advanced materials	
Basic services (local government) – sanitation		Aerospace	
Basic services (local government) – waste management		Basic services (local government) – education	

Basic services (local government) water		Basic services (local government) – health	
Agricultural value chain + agro-processing (linked to food security and food pricing imperatives)		Basic services (local government) - housing	
Infrastructure – information and communication technology		Basic services (local government) security of tenure	
Tourism + strengthening linkages between cultural industries and tourism		Other	
Basic services (local government) – public open spaces and recreational facilities			

Table 2

Does the listed activity/ies applied for form part of a larger project which is not a listed activity itself e.g. a road that is a listed activity that is needed to access a drilling site where the drilling does not constitute a listed activity.	YES	NO
If indicated yes above, please provide a brief description on how the activity/ies relate to the larger project that forms part there of:		
n/a.		

3. GENERAL INFORMATION

Applicant name:	Eskom Holdings SOC Limited		
Registration number (if applicant is a company)	2002/015527/30		
Trading name (if any)			
Responsible person name (If the applicant is a company):	Martina Nailana		
Applicant/ Responsible person ID number:			
Responsible position, e.g. Director, CEO, etc.:			
Physical address:	Megawatt Park, Maxwell Drive, Sandton, Johannesburg.		
Postal address:	PO Box 1091, Johannesburg.		
Postal code:	2001	Cell:	082 468 2137
Telephone:	011 800 3550	Fax:	011 800 3917
E-mail:	NailanMa@eskom.co.za	BBBEE status	4

Provincial Authority:	Department of Environmental Affairs & Development Planning		
Contact person:	Marianne Lesch		
Postal address:	Private Bag X6509 George		
Postal code:	6530	Cell:	
Telephone:	044 874 2160	Fax:	044 874 2423
E-mail:			

Local municipality	George Municipality		
Contact person:	Mr Trevor Botha (Municipal Manager)		
Postal address:	PO Box 19, George		
Postal code:	6530	Cell:	

Telephone:

044 801 9111

 Fax:

044 873 3776

 E-mail:

georgemunicipality@george.org.za

In instances where there is more than one local authority involved, please attach a list of those local authorities with their contact details as **Appendix 3**.

Landowner:

Part of this proposal includes a linear activity, the final landowner details will be provided by Eskom once the placement of the loop-in/loop-out power lines is known.		
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 Contact person:

See Appendix 4		
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 Postal address:

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 Postal code:

	Cell:	
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 Telephone:

	Fax:	
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 E-mail:

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In instances where there is more than one landowner, please attach a list of those landowners with their contact details as **Appendix 4**. If the applicant is not the owner or person in control of the land, proof of notice to the landowner or person in control of the land on which the activity is to be undertaken must be submitted in **Appendix 4**.

Identified Competent Authority to consider the application:

Ms Samkelisiwe Dlamini Department of Environmental Affairs

 Reason(s) in terms of S 24C of NEMA 1998 as amended:

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4. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

EAP:

Ms. Natalie Ritsch		
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 Professional affiliation/registration:

SACNASP		
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 Contact person (if different from EAP):

N/A		
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 Company:

Strategic Environmental Focus (Pty)Ltd		
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 Physical address:

14 Kloof Street, Cape Town		
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 Postal address:

PO Box 1330, Durbanville		
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 Postal code:

8000	Cell:	071 673 2440
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 Telephone:

021 469 9159	Fax:	021 424 5571
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 E-mail:

natalie@sefsa.co.za		
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If an EAP has not been appointed please ensure that an independent EAP is appointed as stipulated by Regulation 12 of GN R.982, dated December 2014, prior to the commencement of the process. The declaration of independence and the Curriculum Vitae (indicating the experience with environmental impact assessment and the relevant application processes) of the EAP must also be submitted to the Department.

5. SITE DESCRIPTION

Provide a detailed description of the site involved in the application.

Province	Western Cape
District Municipality	Eden District Municipality
Local Municipality	George Municipality
Ward number(s)	22
Nearest town(s)	Blanco, George

Farm name(s) and number(s)	Geelhoutboom Farm 217, Geelhoutboom Berg 318 and Klynefontyn 218	
Portion number(s)	Proposed	Farms Affected
	Site 1	Geelhoutboom 217 Portion 45, Portion 46, Portion 47, Portion 54, Farm 318 Portion 6
	Site 2	Geelhoutboom 217 Portion 37, Portion 45, Portion 46, Portion 47
	Site 3	Geelhoutboom 217 Portion 62, Portion 45, Portion 47, Portion 46, Portion 48, Portion 3, Portion 54, Portion 62; Farm 318 Portion 6
	Site 4	Klynefontyn 218 Portion 43, Portion 28 and Geelhoutboom 217 Portion 37, Portion 53, Portion 59, Portion 61
	Site 5	Geelhoutboom Berg Farm 318 Portion 1 and Portion 2, Geelhoutboom 217 Portion 3, Portion 32

SG 21 Digit Code(s)

(If there are more than 4, please attach a list with the rest of the codes as **Appendix 5**)

Blanco 400/132kV Main Transmission Substation Site (SG 21 reference numbers):

Substation Site Alternative 1

C	0	2	7	0	0	0	0	0	0	0	0	0	2	1	7	0	0	0	5	4
C	0	2	7	0	0	0	0	0	0	0	0	0	3	1	8	0	0	0	0	6
C	0	2	7	0	0	0	0	0	0	0	0	0	2	1	7	0	0	0	4	5

Substation Site Alternative 2

C	0	2	7	0	0	0	0	0	0	0	0	0	2	1	7	0	0	0	3	7
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Substation Site Alternative 3

C	0	2	7	0	0	0	0	0	0	0	0	0	2	1	7	0	0	0	4	5
C	0	2	7	0	0	0	0	0	0	0	0	0	3	1	8	0	0	0	0	6
C	0	2	7	0	0	0	0	0	0	0	0	0	2	1	7	0	0	0	4	7
C	0	2	7	0	0	0	0	0	0	0	0	0	2	1	7	0	0	0	4	8
C	0	2	7	0	0	0	0	0	0	0	0	0	2	1	7	0	0	0	0	3
C	0	2	7	0	0	0	0	0	0	0	0	0	2	1	7	0	0	0	6	2

Substation Site Alternative 4

C	0	2	7	0	0	0	0	0	0	0	0	0	2	1	8	0	0	0	4	3
C	0	2	7	0	0	0	0	0	0	0	0	0	2	1	8	0	0	0	2	8
C	0	2	7	0	0	0	0	0	0	0	0	0	2	1	7	0	0	0	3	7

Substation Site Alternative 5

C	0	2	7	0	0	0	0	0	0	0	0	0	3	1	8	0	0	0	0	2
C	0	2	7	0	0	0	0	0	0	0	0	0	3	1	8	0	0	0	0	1

A list of the Surveyor-general 21 digit site reference numbers for the properties to be affected by the placement of the loop-in / loop-out powerline routes (including proposed and alternative

routes) is included in Appendix 5.

Are there any other applications for Environmental Authorisation on the same property?	YES	NO
If YES, please indicate the following:		
Competent Authority		
Reference Number		
Project Name		
Please provide details of the steps taken to ascertain this information:		

6. ACTIVITIES TO BE AUTHORISED

For an application for authorisation that involves more than one listed activity that, together, make up one development proposal, all the listed activities pertaining to this application must be indicated.

Detailed description of listed activities associated with the project			
Listed activity as described in GN R 983, 984 and 985	Activity No (s) (in terms of the relevant notice):	Corresponding relevant Listed Activities under the 2010 EIA Regulations	Description of project activity that triggers listed activity
GN R 983 (Listing Notice 1), 4 December 2014	11	GN R 544 (Listing Notice 1), 18 June 2010: Activity 10	The project will include the construction of 2 X 132kV integration power lines, linking the existing Blanco substation to the newly proposed Narina substation.
GN R 983 (Listing Notice 1), 4 December 2014	12	There is no corresponding listed activity.	Depending on which alternative is approved, the substation building will be required (details to be provided during detail design phase).
GN R 983 (Listing Notice 1), 4 December 2014	14	GN R 544 (Listing Notice 1), 18 June 2010: Activity 13	During construction fuel tanks may be required. The volume will be confirmed and accommodated accordingly in line with the approved Environmental Management Programme (EMPr).
GN R 983 (Listing Notice 1), 4 December 2014	19	GN R 544 (Listing Notice 1), 18 June 2010: Activity 18	The proposed project entails the construction of access roads for use during the construction phase and operational phase (For maintenance purposes), which cross over drainage lines and non-perennial watercourses occurring in the area. The installation of pylons associated with the loop-in and loop-out lines may also impact on any cross drainage lines and non-perennial watercourse or wetlands encountered in the study area. However, as far as possible proposed towers and substations are to be located out of the wetlands and watercourses. The exact location of these structures will be determined by means of a walkthrough of the sites at the Detailed Design stage i.e. post receipt of the EA, by both the terrestrial and wetland ecologists.

GN R 983 (Listing Notice 1), 4 December 2014	24	GN R 544 (Listing Notice 1), 18 June 2010: Activity 22	Access roads for construction and maintenance of the proposed infrastructure will be constructed. As far as possible existing routes will be used. No detail regarding the access routes is currently available.
GN R 983 (Listing Notice 1), 4 December 2014	28	GN R 544 (Listing Notice 1), 18 June 2010: Activity 23	The substation and powerline development is larger than 1ha. The proposed substation will be approximately 600m X 600m, and the associated preferred loop-in, loop-out powerline route will be approximately 4km.
GN R983 (Listing Notice 1), 4 December 2014	27	GN R. 544 (Listing Notice 1), 18 June 2010: Activity 26	Clearance of vegetation for the proposed power lines and substations areas will be required. The exact size of the area of indigenous vegetation to be cleared will be confirmed during the site walk-down with the specialists. This will be undertaken before any construction takes place.
GN R 983 (Listing Notice 1), 4 December 2014	56	GN R. 544 (Listing Notice 1), 18 June of 2010: Activity 47	Depending on the alternative approved, some of the existing roads may need to be widened.
GN R 984 (Listing Notice 2), 4 December 2014	9	GN R 545 (Listing Notice 2), 18 June 2010: Activity 8	The project entails construction of 400kV power lines outside an urban area, as agriculture is the predominant land use.
GNR. 985 (Listing Notice 3), 4 December 2014	4	GNR. 546 (Listing Notice 3), 18 June 2010: Activity 4	The proposed project will entail the construction of access roads for use during the construction phase and operational phase (for maintenance purposes) outside of an urban area. As far as possible existing access roads will be used, as well as the powerline servitude within the study area. Details will be provided at the detail design stage in conjunction with the specialists.
GN R. 985 (Listing Notice 3), 4 December 2014	10	GNR. 546 (Listing Notice 3), 18 June 2010: Activity 10	The construction camp may store hazardous material for use in the construction of the proposed project and the substation design will include transformer oil ponds. The capacities of hazardous material and the size of the ponds will be determined during the detail design phase, that is, the combined capacity thereof will be confirmed.
GN R. 985 (Listing Notice 3), 4 December 2014	12	GNR. 546 (Listing Notice 3), 18 June 2010: Activity 12 and GN R. 546 (Listing Notice 3), 18 June 2010, Activity 13	Clearance of vegetation for the proposed power lines and substations areas will be required. The exact size of the area of indigenous vegetation to be cleared for the pylons are unknown at this stage, since the location of the pylons will be determined by the terrestrial ecologists by means of walk-through at the Detailed Design stage, i.e. post receipt of the EA.
GN R. 985 (Listing Notice 3), 4 December 2014	14	GNR. 546 (Listing Notice 3), 18 June 2010: Activity 16	The proposed development is less than 5.5 kilometres south of Ruitersbos Nature Reserve (part of the Outeniqua Nature Reserve Complex). Alternative Site 5 occurs within Ecological Support Areas and Critical Biodiversity Areas.
GN R. 985 (Listing Notice 3), 4 December 2014	18	GN R. 546 (Listing Notice 3), 18 June 2010: Activity 19	The construction of roads and infrastructure has been assessed and included in the draft EMPR. A site walk-down will be undertaken with specialists where after the EMPr will be updated to address these impacts.
GN R. 985 (Listing Notice 3), 4 December	23	GN R. 546 (Listing Notice 3), 18 June 2010 Activity 24	The exact positions of the proposed pylons will be determined in consultation with the wetland ecologist by means of a walk-through, at the

2014			detailed design stage i.e. post receipt of the EA. The proposed development is less than 5.5 kilometres south of Ruitersbos Nature Reserve (part of the Outeniqua Nature Reserve Complex). Alternative Site 5 occurs within Ecological Support Areas and Critical Biodiversity Areas.
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Please note that any authorisation that may result from this application will only cover activities specifically applied for. Co-ordinate points indicating the location of each listed activity must be provided with the relevant report (i.e. either BAR or EIR).

Refer to the Final EIR

Please provide a project map indicating any sensitive areas (e.g. critical biodiversity area, World Heritage Site, etc.) overlaid by the study area in **Appendix 6**.

A project schedule, indicating the different phases and timelines of the project, must be attached as **Appendix 7**.

7. PUBLIC PARTICIPATION

Provide details of the public participation process proposed for the application as required by Regulation 41(2) of GN R .982, dated December 2014.

Refer to Section C-4 of the Final EIR.

8. OTHER AUTHORISATIONS REQUIRED

LEGISLATION	AUTHORISATION REQUIRED		APPLICATION SUBMITTED	
	YES	NO	YES	NO
SEMAS				
National Environmental Management: Air Quality Act	YES	NO	YES	NO
National Environmental Management: Biodiversity Act	YES	NO	YES	NO
National Environmental Management: Integrated Coastal Management Act	YES	NO	YES	NO
National Environmental Management: Protected Areas Act	YES	NO	YES	NO
National Environmental Management: Waste Act	YES	NO	YES	NO
National legislation				
Mineral Petroleum Development Resources Act	YES	NO	YES	NO
National Water Act	YES	NO	YES	NO
National Heritage Resources Act	YES	NO	YES	NO
Others: Please specify	YES	NO	YES	NO

If authorisation is necessary in terms of the National Environmental Management: Waste Act, please contact the Department for guidance on the **Integrated Permitting System**.

9. LIST OF APPENDICES

		SUBMITTED	
Appendix 1	Proof of Payment	YES	N/A
Appendix 1	Strategic Infrastructure Projects	YES	N/A
Appendix 2	List of Local Municipalities (with contact details)	YES	N/A
Appendix 3	List of land owners (with contact details) and proof of notification of land owners.	YES	NO
Appendix 4	List of SGIDs	YES	N/A
Appendix 5	Project map	YES	NO
Appendix 6	Project schedule	YES	N/A
Appendix 7	Declaration of Applicant	YES	NO
Appendix 9	Declaration of EAP	YES	NO

**APPENDIX 1
PROOF OF PAYMENT/ MOTIVATION FOR EXCLUSION**

The Applicant is Eskom (a parastatal) and therefore, they are exempt from payment of Application Fees.

**APPENDIX 2
STRATEGIC INFRASTRUCTURE PROJECTS**

<p>SIP 1: Unlocking the northern mineral belt with Waterberg as the catalyst</p> <ul style="list-style-type: none"> • Unlock mineral resources • Rail, water pipelines, energy generation and transmission infrastructure • Thousands of direct jobs across the areas unlocked • Urban development in Waterberg - first major post-apartheid new urban centre will be a “green” development project • Rail capacity to Mpumalanga and Richards Bay • Shift from road to rail in Mpumalanga • Logistics corridor to connect Mpumalanga and Gauteng. 	
<p>SIP 2: Durban-Free State-Gauteng logistics and industrial corridor</p> <ul style="list-style-type: none"> • Strengthen the logistics and transport corridor between SA's main industrial hubs • Improve access to Durban's export and import facilities • Integrate Free State Industrial Strategy activities into the corridor • New port in Durban • Aerotropolis around OR Tambo International Airport. 	
<p>SIP 3: South-Eastern node & corridor development</p> <ul style="list-style-type: none"> • New dam at Mzimvubu with irrigation systems • N2-Wild Coast Highway which improves access into KwaZulu-Natal and national supply chains • Strengthen economic development in Port Elizabeth through a manganese rail capacity from Northern Cape • A manganese sinter (Northern Cape) and smelter (Eastern Cape) • Possible Mthombo refinery (Coega) and transshipment hub at Ngqura and port and rail upgrades to improve industrial capacity and performance of the automotive sector. 	
<p>SIP 4: Unlocking the economic opportunities in North West Province</p> <ul style="list-style-type: none"> • Acceleration of investments in road, rail, bulk water, water treatment and transmission infrastructure • Enabling reliable supply and basic service delivery • Facilitate development of mining, agricultural activities and tourism opportunities • Open up beneficiation opportunities in North West Province. 	
<p>SIP 5: Saldanha-Northern Cape development corridor</p> <ul style="list-style-type: none"> • Integrated rail and port expansion • Back-of-port industrial capacity (including an IDZ) • Strengthening maritime support capacity for oil and gas along African West Coast • Expansion of iron ore mining production and beneficiation. 	
<p>SIP 6: Integrated municipal infrastructure project</p> <p>Develop national capacity to assist the 23 least resourced districts (19 million people) to address all the maintenance backlogs and upgrades required in water, electricity and sanitation bulk infrastructure. The road maintenance programme will enhance service delivery capacity thereby impacting positively on the population.</p>	
<p>SIP 7: Integrated urban space and public transport programme</p> <p>Coordinate planning and implementation of public transport, human settlement, economic and social infrastructure and location decisions into sustainable urban settlements connected by densified transport corridors. This will focus on the 12 largest urban centres of the country, including all the metros in South Africa. Significant work is underway on urban transport integration.</p>	

<p>SIP 8: Green energy in support of the South African economy Support sustainable green energy initiatives on a national scale through a diverse range of clean energy options as envisaged in the Integrated Resource Plan (IRP2010) and support bio-fuel production facilities.</p> <p><i>Indicate capacity in MW:</i></p>	
<p>SIP 9: Electricity generation to support socioeconomic development Accelerate the construction of new electricity generation capacity in accordance with the IRP2010 to meet the needs of the economy and address historical imbalances. Monitor implementation of major projects such as new power stations: Medupi, Kusile and Ingula.</p> <p><i>Indicate capacity in MW:</i></p>	
<p>SIP 10: Electricity transmission and distribution for all Expand the transmission and distribution network to address historical imbalances, provide access to electricity for all and support economic development. Align the 10-year transmission plan, the services backlog, the national broadband roll-out and the freight rail line development to leverage off regulatory approvals, supply chain and project development capacity.</p>	x
<p>SIP 11: Agri-logistics and rural infrastructure Improve investment in agricultural and rural infrastructure that supports expansion of production and employment, small-scale farming and rural development, including facilities for storage (silos, fresh-produce facilities, packing houses); transport links to main networks (rural roads, branch train-line, ports), fencing of farms, irrigation schemes to poor areas, improved R&D on rural issues (including expansion of agricultural colleges), processing facilities (abattoirs, dairy infrastructure), aquaculture incubation schemes and rural tourism infrastructure.</p>	
<p>SIP 12: Revitalisation of public hospitals and other health facilities Build and refurbish hospitals, other public health facilities and revamp 122 nursing colleges. Extensive capital expenditure to prepare the public healthcare system to meet the requirements of the National Health Insurance (NHI) system. The SIP contains major builds for 6 hospitals.</p>	
<p>SIP 13: National school build programme A national school build programme driven by uniformity in planning, procurement, contract management and provision of basic services. Replace inappropriate school structures and address basic service backlog and provision of basic services under the Accelerated School Infrastructure Delivery Initiative (ASIDI). In addition, address national backlogs in classrooms, libraries, computer labs and admin buildings. Improving the learning environment will strengthen outcomes especially in rural schools, as well as reduce overcrowding.</p>	
<p>SIP 14: Higher education infrastructure Infrastructure development for higher education, focusing on lecture rooms, student accommodation, libraries and laboratories, as well as ICT connectivity. Development of university towns with a combination of facilities from residence, retail to recreation and transport. Potential to ensure shared infrastructure such as libraries by universities, FETs and other educational institutions. Two new universities will be built - in Northern Cape and Mpumalanga.</p>	
<p>SIP 15: Expanding access to communication technology Provide for broadband coverage to all households by 2020 by establishing core Points of Presence (POPs) in district municipalities, extend new Infracore fibre networks across provinces linking districts, establish POPs and fibre connectivity at local level, and further penetrate the network into deep rural areas. While the private sector will invest in ICT infrastructure for urban and corporate networks, government will co-invest for township and rural access, as well as for e-government, school and health connectivity.</p>	

<p>The school roll-out focus is initially on the 125 Dinaledi (science and maths-focussed) schools and 1525 district schools. Part of digital access to all South Africans includes TV migration nationally from analogue to digital broadcasting.</p>	
<p>SIP 16: SKA & Meerkat SKA is a global mega-science project, building an advanced radio-telescope facility linked to research infrastructure and high-speed ICT capacity and provides an opportunity for Africa and South Africa to contribute towards global advanced science projects.</p>	
<p>SIP 17: Regional integration for African cooperation and development Participate in mutually beneficial infrastructure projects to unlock long-term socio-economic benefits by partnering with fast growing African economies with projected growth ranging between 3% and 10%. The projects involving transport, water and energy also provide competitively-priced, diversified, short and medium to long-term options for the South African economy where, for example, electricity transmission in Mozambique (Cesul) could assist in providing cheap, clean power in the short-term whilst Grand Inga in the DRC is long-term. All these projects complement the Free Trade Area (FTA) discussions to create a market of 600 million people in South, Central and East Africa.</p>	
<p>SIP 18: Water and sanitation infrastructure A 10-year plan to address the estimated backlog of adequate water to supply 1.4m households and 2.1m households to basic sanitation. The project will involve provision of sustainable supply of water to meet social needs and support economic growth. Projects will provide for new infrastructure, rehabilitation and upgrading of existing infrastructure, as well as improve management of water infrastructure.</p>	

**APPENDIX 3 (IF APPLICABLE)
LIST OF LOCAL MUNICIPALITIES**

Eden District Municipality	Fax : 0865556303 Tel: 0448031300	PO Box 12, George, 6530
George Municipality	Tel: (044) 801 9111	PO Box 19 George, 6530

**APPENDIX 4
LIST OF LAND OWNERS
PROOF OF NOTIFICATION OF LAND OWNERS**

Refer to Section C-4 of the FEIR with associated appendices for the notifications sent, and comments received from the landowners during the Public Participation Process.

REGISTERED INTERESTED AND AFFECTED PARTIES DATABASE: NARINA (BLANCO) 400/132 KV PROJECT (AUGUST 2015)												
Sector	Title	First Name	Last Name	Company	Tel	Fax	Mobile	E-mail/Fax	Address1	City	Code	Send By
Landowner	Mr.	Nelius	Van Greunen	Van Greunen Boerdery CC : Owner of Farm 217 Portion 14, 54, 58, 38, 37 and 62				vangreunenbdy@worldonline.co.za	Po Box 7014	Blanco	6531	email
Landowner	Mr.	Percy	Knight	Geelhoutboom Estates (Pty)Ltd: Owner of Farm 318 Portion 2, 5, 43 and 6				pknight@powergrp.co.za	Po Box 129	Blackheath	7581	email
Landowner	Mr.	Eskom		Eskom Holdings SOC Limited: Owner of Farm 217, Portion 51					P.O.Box 1091	Johannesburg, Gauteng	2000	By hand
Landowner	Mr.	Christo	Joubert	Goedgeloof Farm: Owner of Farm 217 Portion 59					P.O.Box 1175	George	6530	Reg mail
Landowner	Mr.	Hasso	Plattner	Private Landowner					P.O.Box 2266	George	6530	Reg mail
Landowner	Mr.	Jurgens	Botha	Owner of Farm 217 Portion 45 and 47				jb_engineering@webmail.co.za	P.O.Box 3260	George Industria	6536	Reg mail
Landowner	Mr.	Allan /Hein	Armstrong/Joubert	Armstrong Flora Trust, Farm 217 Portion 46					P.O.Box 2284	Primrose	1416	Reg mail
Landowner	Mr.	Johan	Langenhoven	Geelhoutboom Farm 217 Portion 53					P.O.Box 7316	Blanco	6531	
Landowner	Mr.	Hein	Joubert	Highridge Flora Farm 217 Portion 9and 46				hein@highridgeflora.co.za	P.O.Box 18	Molendrift	6537	
Landowner	Mr.	Jaco	Van Rensburg	Avondrood Trust Farm 217 Portion 61				avondrood@xsinet.co.za	P O Box 7055	Blanco	6531	
Landowner	Mr.	Francois	Roets	Geelhoutboom farm 217 Portion 7 and 23				francois@hilbert.co.za	Postnet Suite 155, Private Bag X6590	George	6530	
Landowner	Mr.	Allan	Armstrong	Owner of Farm 217 Portion 9				allan@highridgeflora.co.za	P.O.Box 18	Molendrift	6537	
Landowner	Mr.	Andre	Nel	Plattner Estates				andren@fancourt.co.za	P.O.Box 2266	George	6530	
Landowner	Mr.	Louis	Van Der Watt	Geelhoutboom Estates (Pty)Ltd				andre@stadlerandswart.co.za	P.O.Box 46	George	6530	
Landowner	Mr.	Willie	Barnard	Platinum Mile Investments 442 (Pty)Ltd				andre@stadlerandswart.co.za	P.O.Box 46	George	6530	
Landowner	Mr.	Duncan	Burnett	Fancourt				duncanb@fancourt.co.za	Po Box 2266	George Industria	6530	Email
Representative	Mr.	Danie	De Vries	BDE Engineering				devries@bdeconsult.co.za	Po Box 1862	George Industria	6530	Email
Landowner	Mr.	Johan.A	Meyer	Uitsig Farm: Farm 217 Portion 48				info@uitsigvenue.co.za	P.O.Box 7039	Blanco	6531	
Representative	Mr.	Andre	Swart	Stadler and Swart				andre@stadlerandswart.co.za	P.O.Box 46	George	6530	
Landowner	Mr.	Portion 16	Farm 217	Geelhoutboom Platinum Mile Inv 442 Pty Ltd	044 8733 132		076 1908 586	-	Private Bag X6590	George	6530	
Landowner	Mr.	DA	Terblanche	Geelhoutboom farm 217 Portion 63				-	P O Box 647	Komatipoort	1340	
Landowner	Mr.	A	Fisher	Owner of Farm 318 Portion 1	01131685 65		0824548121		P O Box 222	Wingate Park	153	
Landowner	Mr.	Gerhard	Nel	Geelhoutboom Estate (Pty) Ltd: Farm 318 Portion 2,3 & 8				-	P.O.Box 129	Blackheath	7581	
Landowner				Geelhoutboomsberg Gerber Boerdery Trust	448 501 199		083 452 4237		P O Box 113	Hoekwill	6538	
Landowner		Hanlie	Loubser Familie Trust	Geelhoutboom Farm 217 Portion 32	(044) 881 0054		073 243 0396	nfroneman@rvd.dorea.co.za	Po Box 7197	Blanco	6531	
Landowner				Gerber Boerdery Trust : Geelhoutboomsberg Farm 342 Portion 0	0448 501 199		834524237		P O Box 113	Hoekwill	6538	
Interested Pary				Airport Company South Africa: George Airport	04480377 04			-	Po Box 10000	George	6530	
Interested Pary				South African Civil Aviation Authority	021 – 934 4744				Po Box 174		7525	
Local Authority	Mr.	Vernon	Gibbs	Eden District Municipality				Gibbs@edendm.co.za	Po Box 12,	George,	6530	
Local Authority	Ms	Lindsay	Mooiman	George Municipality :Deputy Snr. Manager				Lindsay@george.org.za	P.O.Box 19	George	6530	Reg mail
Local Authority	Mr.	Ricus	Fivaz	George Municipality: Land Development				Ricus@george.org.za	P.O.Box 19	George	6530	Reg mail
Local Authority	Mr	Phillip	De Swart	George Municipality: Chief Whip	044 801 9067		082 885 1933/	Phillip@george.org.za / whipoffice@george.org.za	P.O.Box 19	George	6530	Reg mail
Local Authority	Mr	Stiaan	Carstens	George Municipality: Dep. Director - Planning				stiaan@george.org.za	P.O.Box 19	George	6530	Reg mail
Local Authority	Ms	Carel	Venter	George Municipality : Senior Spatial Planner				Carel@george.org.za	P.O.Box 19	George	6530	Reg mail
Local Authority	Mr	Clyde	Lamerts	Department of Agriculture (GARDEN ROUTE DISTRICT – George)				clydel@elsenburg.com	Po Box 249	George	6530	
Provincial	Mr	Benjamin	Walton	Cape Nature Land Use Advice: Scientific Services	021 866	021 866	072 835	landusegeorge@capenature.co.za	Private Bag	George	6530	Reg mail

Authority					8017	1523	8714		X6546			
Provincial Authority	Mr.	Cor	Van der Walt	Department of Agriculture (Western Cape)	0214839685			corvdw@elsenburg.com	Private Bag X1	Elsenburg	7607	Reg mail
Provincial Authority	Mr	Malcolm	Fredericks	Department of Environmental Affairs and Development Planning	021 483 9693			mfrederi@westerncape.gov.za	Private Bag X6509	George	6530	Reg mail
Provincial Authority	Ms	Caroline	Tlokwanac	Department of Water & Sanitation				tlokwanac@dwa.gov.za	Private Bag X16	Sanlamhof	7532	Reg mail
Provincial Authority	Mr.	Troy	Smuts	Heritage Western Cape	021 808 5093	021 808 5092		Justin.Bradfield@westerncape.gov.za	Private Bag X9067	Cape Town	8000	Reg mail

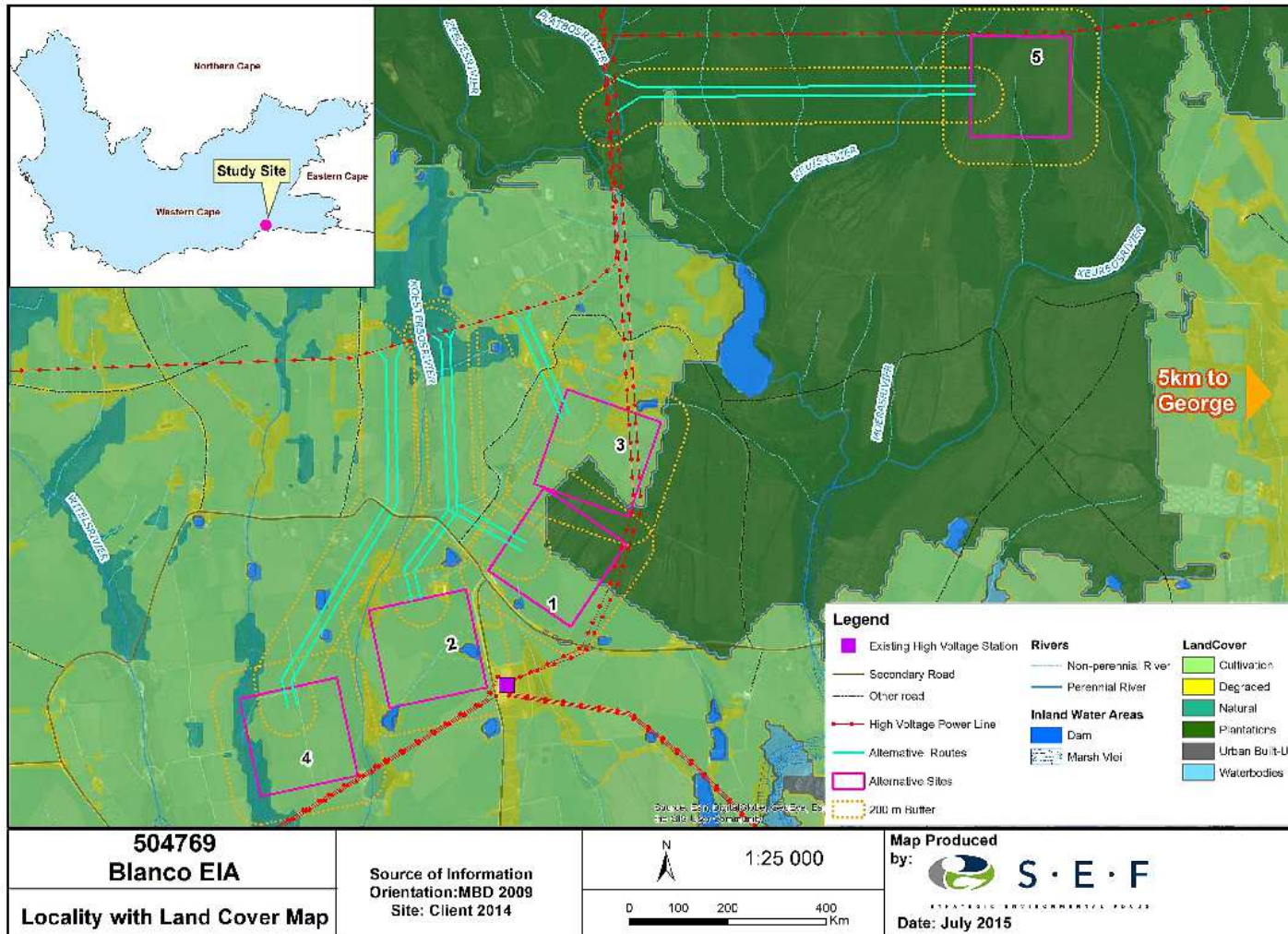
**APPENDIX 5 (IF APPLICABLE)
LIST OF SGIDS**

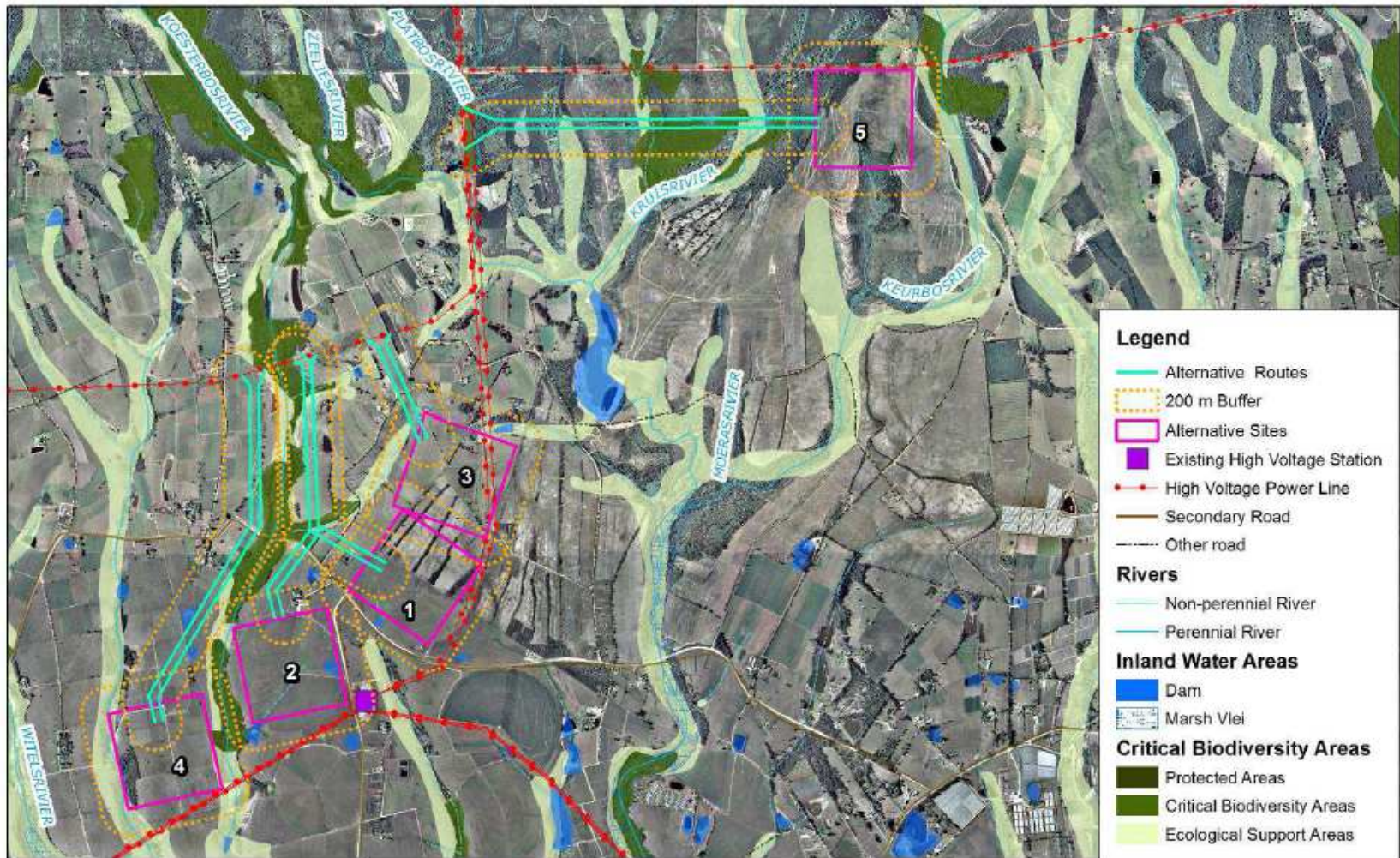
Proposed Loop-In and Loop-Out Powerlines (SG 21 reference numbers):

	Portion No.	Farm Name and Number	SG Code
Alternative Site 1	45	Geelhoutboom 217	C 0 2 7 0 0 0 0 0 0 0 0 0 2 1 7 0 0 0 4 5
	47	Geelhoutboom 217	C 0 2 7 0 0 0 0 0 0 0 0 0 2 1 7 0 0 0 4 7
	46	Geelhoutboom 217	C 0 2 7 0 0 0 0 0 0 0 0 0 2 1 7 0 0 0 4 6
Alternative Site 2	37	Geelhoutboom 217	C 0 2 7 0 0 0 0 0 0 0 0 0 2 1 7 0 0 0 3 7
	45	Geelhoutboom 217	C 0 2 7 0 0 0 0 0 0 0 0 0 2 1 7 0 0 0 4 5
	47	Geelhoutboom 217	C 0 2 7 0 0 0 0 0 0 0 0 0 2 1 7 0 0 0 4 7
	46	Geelhoutboom 217	C 0 2 7 0 0 0 0 0 0 0 0 0 2 1 7 0 0 0 4 6
Alternative Site 3	46	Geelhoutboom 217	C 0 2 7 0 0 0 0 0 0 0 0 0 2 1 7 0 0 0 4 6
	47	Geelhoutboom 217	C 0 2 7 0 0 0 0 0 0 0 0 0 2 1 7 0 0 0 4 7
Alternative Site 4	61	Geelhoutboom 217	C 0 2 7 0 0 0 0 0 0 0 0 0 2 1 7 0 0 0 6 1
	59	Geelhoutboom 217	C 0 2 7 0 0 0 0 0 0 0 0 0 2 1 7 0 0 0 5 9
	53	Geelhoutboom 217	C 0 2 7 0 0 0 0 0 0 0 0 0 2 1 7 0 0 0 5 3

	37	Geelhoutboom 217	C	0	2	7	0	0	0	0	0	0	0	0	2	1	7	0	0	0	3	7
	43	Klyne Fontyn 218	C	0	2	7	0	0	0	0	0	0	0	0	2	1	8	0	0	0	4	3
Alternative Site 5	32	Geelhoutboom 217	C	0	2	7	0	0	0	0	0	0	0	0	2	1	7	0	0	0	3	2
	1	Geelhoutboom Berg 318	C	0	2	7	0	0	0	0	0	0	0	0	3	1	8	0	0	0	0	1
	2	Geelhoutboom Berg 318	C	0	2	7	0	0	0	0	0	0	0	0	3	1	8	0	0	0	0	2

APPENDIX 6 PROJECT MAP





Legend

- Alternative Routes
- 200 m Buffer
- Alternative Sites
- Existing High Voltage Station
- High Voltage Power Line
- Secondary Road
- Other road

Rivers

- Non-perennial River
- Perennial River

Inland Water Areas

- Dam
- Marsh Vlei

Critical Biodiversity Areas

- Protected Areas
- Critical Biodiversity Areas
- Ecological Support Areas

504769
Blanco EIA

Critical Biodiversity
Areas Map

Source of Information
 Orientation: MBD 2009
 CBA: SanParks 2009
 Site: Client 2014

N

1:36 000

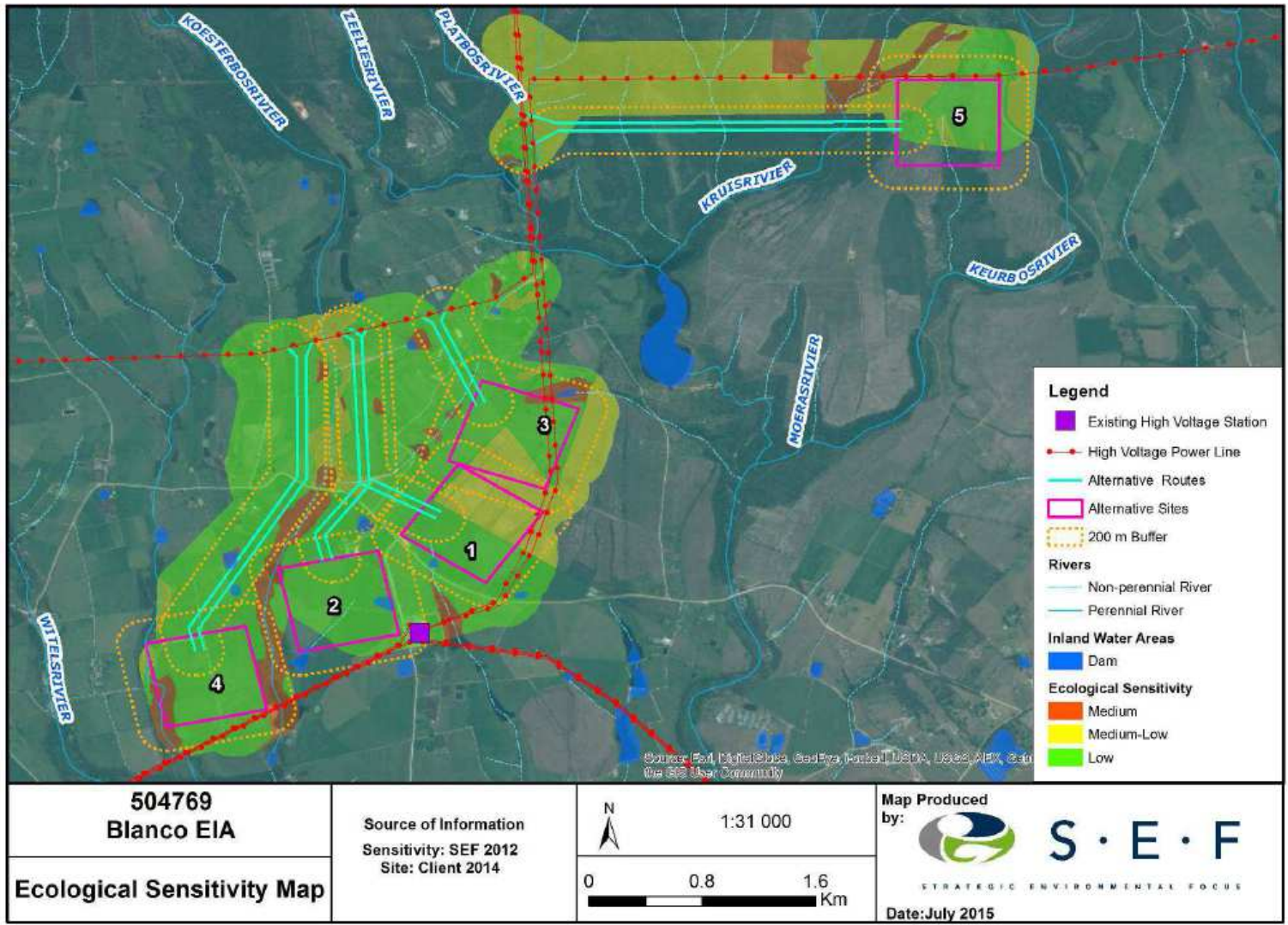
0 0.8 1.6
 ————— Km

Map Produced
 by:

S · E · F

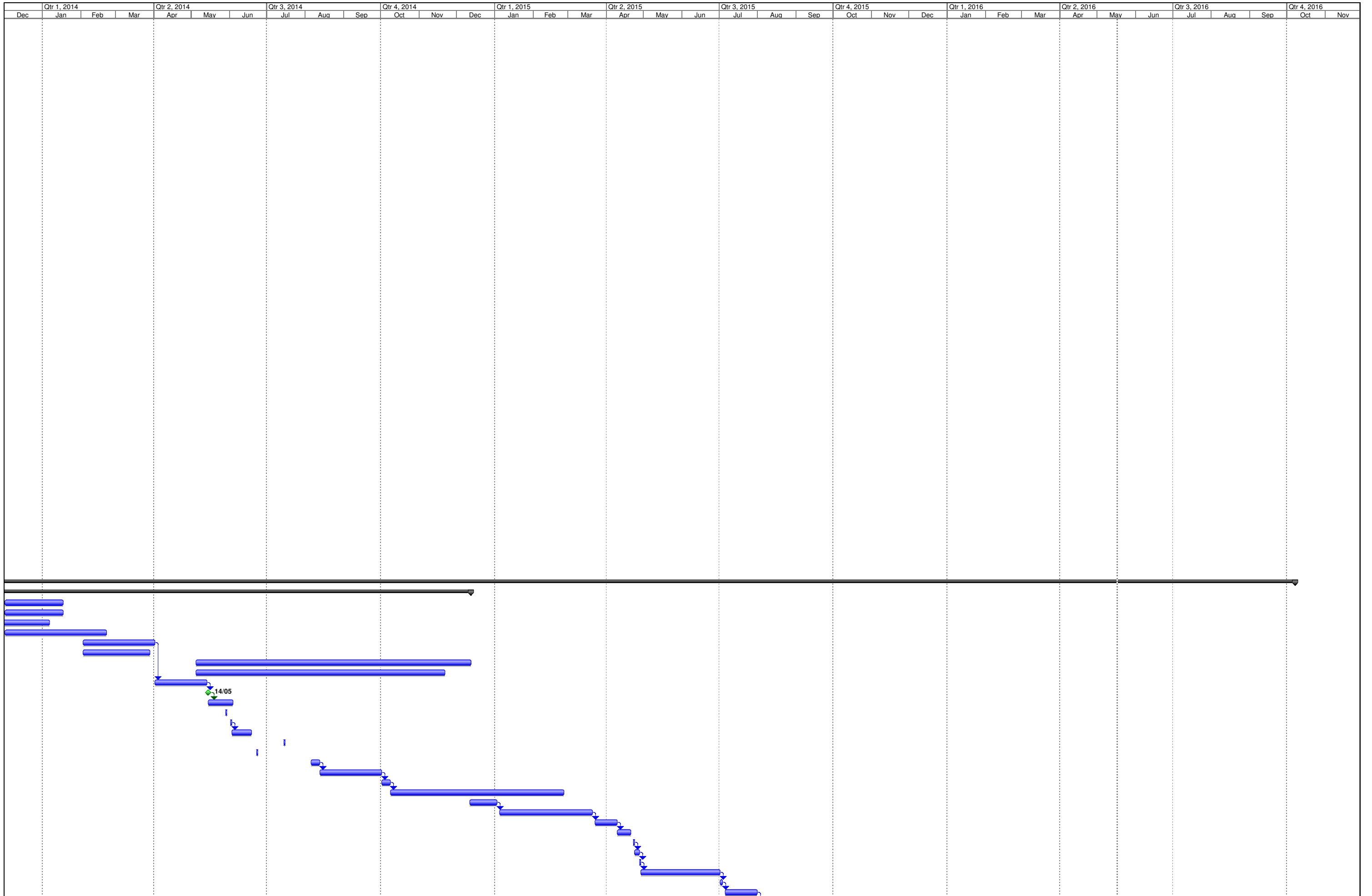
STRATEGIC ENVIRONMENTAL FOCUS

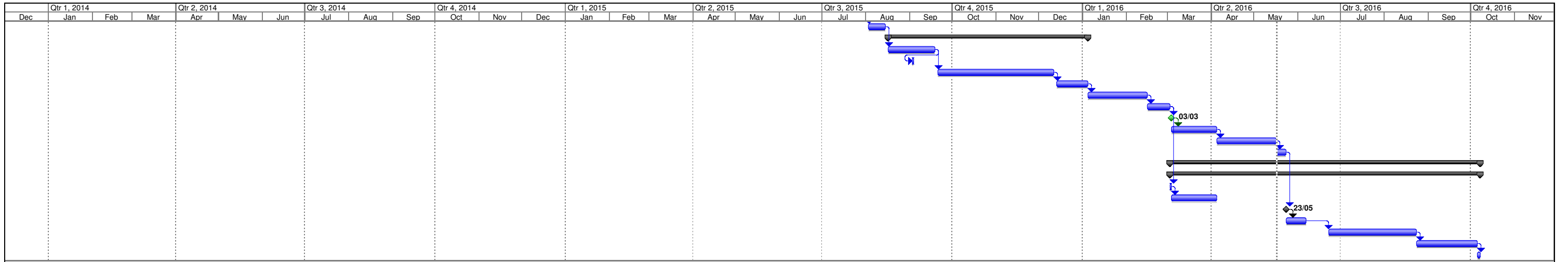
Date: July 2015



**APPENDIX 7
PROJECT SCHEDULE**

ID	Task Name	Duration	Start	Finish	Predecessors	Qtr 3, 2012				Qtr 4, 2012			Qtr 1, 2013			Qtr 2, 2013			Qtr 3, 2013			Qtr 4, 2013		
						Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
89	Finalise Draft EIR & Print & Collate for Public Review	10 days	Mon 03/08/15	Fri 14/08/15	88																			
90	Public Participation	101 days	Mon 17/08/15	Mon 04/01/16																				
91	Public Review of the Draft EIR Report (40 days) & submission to DEA	25 days	Mon 17/08/15	Fri 18/09/15	89																			
92	EIA MEETING/S	1 day	Thu 03/09/15	Thu 03/09/15	91FS-12 days																			
93	Capture comments received on DEIR	60 days	Mon 21/09/15	Fri 11/12/15	91																			
94	SEF OFFICE CLOSURE: 15 DECEMBER 2015 TO 4 JANUARY 2016	16 days	Mon 14/12/15	Mon 04/01/16	93																			
95	Finalise the EIR Report based on Comment & Response Report	30 days	Tue 05/01/16	Mon 15/02/16	94																			
96	Prepare FEIR for public review	12 days	Tue 16/02/16	Wed 02/03/16	95																			
97	Final EIR Report (DELIVERABLE)	1 day	Thu 03/03/16	Thu 03/03/16	96																			
98	Public Review of FEIR	22 days	Fri 04/03/16	Mon 04/04/16	97																			
99	Capture comments received & provide update to DEA	30 days	Tue 05/04/16	Mon 16/05/16	98																			
100	Update PPP report and update DEA regarding process	5 days	Tue 17/05/16	Mon 23/05/16	99																			
101	Competent Authority Review of EIR	157 days	Thu 03/03/16	Fri 07/10/16																				
102	Environmental Authorisation - NEMA	157 days	Thu 03/03/16	Fri 07/10/16																				
103	Submission of the Final EIR Report to the Authority & Registered I&Aps	1 day	Thu 03/03/16	Thu 03/03/16	96																			
104	Closure of 30 day comment period on Final EIR	22 days	Fri 04/03/16	Mon 04/04/16	103																			
105	Submit updated PPP report and update to DEA regarding process	0 days	Mon 23/05/16	Mon 23/05/16	100																			
106	Authority Acknowledge Receipt (full 14 days as per NEMA)	10 days	Tue 24/05/16	Mon 06/06/16	105																			
107	Authority Review and Accepts/ Rejects EIR (60 days)	44 days	Thu 23/06/16	Tue 23/08/16	106FS+12 da																			
108	Authority Grant/ Refuse EA (45 days)	31 days	Wed 24/08/16	Wed 05/10/16	107																			
109	Authority Issues EA for S&EIR - Blanco EIA (2 days as per NEMA)	2 days	Thu 06/10/16	Fri 07/10/16	108																			





		Qtr 1, 2017			Qtr 2, 2017			Qtr 3, 2017			Qtr 4, 2017			Qtr 1, 2018			Qtr 2, 2018			Qtr 3, 2018			Qtr 4, 2018			Qtr 1, 2019			Qtr 2, 2019			Qtr 3, 2019			Qtr 4, 2019		
Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct		

Qtr 1, 2017		Qtr 2, 2017			Qtr 3, 2017			Qtr 4, 2017			Qtr 1, 2018			Qtr 2, 2018			Qtr 3, 2018			Qtr 4, 2018			Qtr 1, 2019			Qtr 2, 2019			Qtr 3, 2019			Qtr 4, 2019					
Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct		



**APPENDIX 8
DECLARATION OF THE APPLICANT**

I, Martina Phiri declare that I -

- am, or represent¹, the applicant in this application;
- have appointed / will appoint (delete that which is not applicable) an environmental assessment practitioner to act as the independent environmental assessment practitioner for this application / will obtain exemption from the requirement to obtain an environmental assessment practitioner²;
- will provide the environmental assessment practitioner and the competent authority with access to all information at my disposal that is relevant to the application;
- will be responsible for the costs incurred in complying with the Regulations, including but not limited to –
 - costs incurred in connection with the appointment of the environmental assessment practitioner or any person contracted by the environmental assessment practitioner;
 - costs incurred in respect of the undertaking of any process required in terms of the Regulations;
 - costs in respect of any fee prescribed by the Minister or MEC in respect of the Regulations;
 - costs in respect of specialist reviews, if the competent authority decides to recover costs; and
 - the provision of security to ensure compliance with conditions attached to an environmental authorisation, should it be required by the competent authority;
- will ensure that the environmental assessment practitioner is competent to comply with the requirements of the Regulations and will take reasonable steps to verify that the EAP
 - know the Act and the regulations, and how they apply to the proposed development
 - know any applicable guidelines
 - perform the work objectively, even if the findings do not favour the applicant
 - disclose all information which is important to the application and the proposed development
 - have expertise in conducting environmental impact assessments
 - complies with the Regulations
- will inform all registered interested and affected parties of any suspension of the application as well as of any decisions taken by the competent authority in this regard;
- am responsible for complying with the conditions of any environmental authorisation issued by the competent authority;
- hereby indemnify the Government of the Republic, the competent authority and all its officers, agents and employees, from any liability arising out of the content of any report, any procedure or any action which the applicant or environmental assessment practitioner is responsible for in terms of these Regulations;
- will not hold the competent authority responsible for any costs that may be incurred by the applicant in proceeding with an activity prior to obtaining an environmental authorisation or prior to an appeal being decided in terms of these Regulations;
- will perform all other obligations as expected from an applicant in terms of the Regulations;
- all the particulars furnished by me in this form are true and correct; and
- I realise that a false declaration is an offence in terms of regulation 48 and is punishable in terms of section 24F of the Act.

 18/2016
Signature³ of the applicant⁴ / Signature on behalf of the applicant:

¹ If this is signed on behalf of the applicant, proof of such authority from the applicant must be attached.

² If exemption is obtained from appointing an EAP, the responsibilities of an EAP will automatically apply to the person conducting the environmental impact assessment in terms of the Regulations.

³ Only original signatures will be accepted. No scanned, copied or faxed signatures will be accepted.

Eskom Holdings SOC Limited

Name of company (if applicable):

04/08/2016

Date:

⁴ If the applicant is a juristic person, a signature on behalf of the applicant is required as well as proof of such authority. An EAP may not sign on behalf of an applicant.

**APPENDIX 9
DECLARATION OF THE EAP**

I, Natalie Ritsch declare that –

General declaration:

- I act as the independent environmental practitioner in this application
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant
- I declare that there are no circumstances that may compromise my objectivity in performing such work;
- I have expertise in conducting environmental impact assessments, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I will take into account, to the extent possible, the matters listed in regulation 8 of the Regulations when preparing the application and any report relating to the application;
- I have no, and will not engage in, conflicting interests in the undertaking of the activity;
- I undertake to disclose to the applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing - any decision to be taken with respect to the application by the competent authority; and - the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority;
- I will ensure that information containing all relevant facts in respect of the application is distributed or made available to interested and affected parties and the public and that participation by interested and affected parties is facilitated in such a manner that all interested and affected parties will be provided with a reasonable opportunity to participate and to provide comments on documents that are produced to support the application;
- I will ensure that the comments of all interested and affected parties are considered and recorded in reports that are submitted to the competent authority in respect of the application, provided that comments that are made by interested and affected parties in respect of a final report that will be submitted to the competent authority may be attached to the report without further amendment to the report;
- I will keep a register of all interested and affected parties that participated in a public participation process; and
- I will provide the competent authority with access to all information at my disposal regarding the application, whether such information is favourable to the applicant or not
- all the particulars furnished by me in this form are true and correct;
- will perform all other obligations as expected from an environmental assessment practitioner in terms of the Regulations; and
- I realise that a false declaration is an offence in terms of regulation 48 of the Regulations and is punishable in terms of section 24F of the Act.

Disclosure of Vested Interest (delete whichever is not applicable)

- I do not have and will not have any vested interest (either business, financial, personal or other) in the proposed activity proceeding other than remuneration for work performed in terms of the Regulations;

A handwritten signature in black ink, appearing to read 'N. B. B.', is positioned above a horizontal line.

Signature of the environmental assessment practitioner:

Strategic Environmental Focus (Pty) Ltd

Name of company:

2016.08.02

Date: