



## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

### APPLICATION FORM FOR ENVIRONMENTAL AUTHORISATION

	(For official use only)
File Reference Number:	
NEAS Reference Number:	DEA/EIA/
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

**Environmental Impact Assessment of the Used Fuel Transient Interim Storage Facility at Koeberg Nuclear Power Station**

#### 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:

**Postal address:**

Department of Environmental Affairs  
Attention: Director: Integrated Environmental Authorisations  
Private Bag X447  
Pretoria  
0001

**Physical address:**

Department of Environmental Affairs  
Attention: Director: Integrated Environmental Authorisations  
Environment House  
473 Steve Biko Road  
Arcadia  
Pretoria

Queries must be addressed to the contact below:

Tel: 012 399 9372

E-mail: [EIAAdmin@environment.gov.za](mailto:EIAAdmin@environment.gov.za)

***Please note that this form must be copied to the relevant provincial environmental department/s.***

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

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.

**Note:** Eskom Holdings SOC Limited is the applicant and is automatically exempted from paying as a state owned organisation.

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	<input type="checkbox"/>
The applicant is an organ of state	<input checked="" type="checkbox"/>

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 proposes to construct a Transient Interim Storage Facility (TISF) for the temporary storage of dry casks at the Koeberg Nuclear Power Station (KNPS) to accommodate used nuclear fuel from the reactors for the operational life of the power station, thereby ensuring the continued operation of KNPS.

At KNPS, used fuel assemblies from the nuclear reactors are stored under water in spent fuel pools (SFPs) for cooling. These SFPs are nearing capacity and additional storage capacity is required to accommodate used fuel. KNPS Reactor Unit 1 and Reactor Unit 2 will have filled their SFPs by March 2018 and September 2018, respectively.

Due to the uncertainty regarding the development of the Centralised Interim Storage Facility (CISF), only likely to be in operation after 2025, it has become imperative for Eskom to investigate interim options for the storage of used fuel on the KNPS site. Additional storage capacity will be required to accommodate any further used fuel generated at KNPS. Eskom consequently developed the Koeberg Spent Fuel Storage Project strategy which caters for KNPS' used fuel storage needs until 2025 and comprises three phases described below:

- Phase 1: Phase 1A: Procurement of seven metal dry storage casks to ensure the KNPS Reactor Units can operate beyond 2018 without exceeding SFP capacity. These casks will be stored with four existing metal dry storage casks in the on-site Cask Storage Building (CSB).

Phase 1B: Procurement and placement of spent fuel inserts to gain back the currently occupied storage cells in the SFPs due to a checker-boarding arrangement. This will open up previously unusable storage cells in the SFPs, allowing for an increase in the total number of used fuel assemblies that can be stored in the SFPs.

- Phase 2: Procurement of approximately 30-40 additional dry storage casks to allow ongoing operation of KNPS until 2025.
- Phase 3: Establishment of the TISF for the storage of the casks procured in Phase 2.

The TISF will store the used fuel dry storage casks procured during Phase 2 of the Spent Fuel Storage Project. Used fuel assemblies generated beyond 2025 will also be stored in casks at the TISF should the CISF not be available.

The TISF will be constructed on a portion of vacant land within the KNPS Security Protected Area (see **Appendix 6 – Figure 1**). The TISF will comprise a concrete pad(s) within a site footprint of approximately 12 800m<sup>2</sup>. The TISF will be constructed to accommodate 160 dry storage casks, which will be placed on the pad in a modular manner over time. The dry storage casks will be either metal or concrete casks or concrete assemblies and will be approximately 6 m in height and 3 m in diameter. Each cask can hold up to 37 assemblies depending on the cask design. The design of the concrete pad(s) of the TISF lends itself to various types of dry storage casking systems. The TISF will also have an auxiliary building to house ancillary equipment. A secure perimeter fence will be erected around the TISF site with controlled security access. The TISF will meet the requirements of the National Nuclear Regulator (NNR) and will be built and managed according to International Atomic Energy Agency safety standards.

Two most viable site locations have been identified for the TISF - the CSB site, the preferred alternative (Alternative 1), and the Ekhaya site (Alternative 2) see **Appendix 6 - Error! Reference source not found.** Alternative 1 is located adjacent to the CSB within the northern boundary of KNPS and Alternative 2 is located within the southern boundary of KNPS next to the Ekhaya Building.

Construction of the TISF will commence in 2018 and will take approximately 12 months. The TISF will be decommissioned in accordance with the KNPS decommissioning plan.

Does the project form part of any of the Strategic Infrastructure Projects (SIPs) as described in the National Development Plan, 2011?		NO
--	--	----

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**.

**Note:** The SIP representative confirmed that this application for confirmation must be submitted by DEA.

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)	N/A		
Responsible person name (If the applicant is a company):	Mr Velaphi Ntuli		
Applicant/ Responsible person ID number:	7511215560086		
Responsible position, e.g. Director, CEO, etc.:	General Manager: Acting Nuclear Engineering		
Physical address:	Koeberg Nuclear Power Station, Bulk stores, Off R27 Westcoast Road, Melkbosstrand		
Postal address:	Koeberg Nuclear Power Station, Bulk stores, Off R27 Westcoast Road, Melkbosstrand		
Postal code:	7440	Cell:	084 5142354
Telephone:	021 5504655	Fax:	021 550 5400
E-mail:	NtuliV@eskom.co.za	BBBEE status	N/A

Provincial Authority:	Department of Environmental Affairs & Development Planning		
Contact person:	Alvan Gabriel		
Postal address:	Private Bag X9086, Cape Town		
Postal code:	8000	Cell:	
Telephone:	021 866 8000	Fax:	
E-mail:	alvan.gabriel@westerncape.gov.za		

Local municipality	City of Cape Town		
Contact person:	Pat Titmuss		
Postal address:	Milnerton Civic Centre, 87 Pienaar Road, Milnerton		
Postal code:	7441	Cell:	083 701 4318
Telephone:	021 444 0597	Fax:	021 444 0605
E-mail:	pat.titmuss@capetown.gov.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:	Eskom Holdings SOC Limited		
Contact person:	Riedewaan Bakardien		
Postal address:	Koeberg Nuclear Power Station, Bulk stores, Off R27 Westcoast Road, Melkbosstrand		
Postal code:	7440	Cell:	083 241 0371

Telephone:	021 550 4671	Fax:	021 550 5400
E-mail:	riedewaan.bakardien@eskom.co.za		

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:	Department of Environmental Affairs
Reason(s) in terms of S 24C of NEMA 1998 as amended	2(d) (iii) The activity is to be undertaken by a statutory body performing an exclusive competence of the national sphere of government.

#### 4. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

EAP:	Sharon Jones		
Professional affiliation/registration:	Registered Professional Natural Scientist (Pr.Sci. Nat) and Certified Environmental Practitioner of South Africa (CEAPSA)		
Contact person (if different from EAP):	N/A		
Company:	SRK Consulting (South Africa) (Pty) Ltd (SRK)		
Physical address:	The Administrative Building, Albion Spring, 183 Main Road, Rondebosch, 7700		
Postal address:	Postnet Suite #206, Private Bag X18, Rondebosch		
Postal code:	7701	Cell:	082 876 0638
Telephone:	021 659 3060	Fax:	021 659 3076
E-mail:	sjones@srk.co.za		

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 (see **Appendix 9**).

#### 5. SITE DESCRIPTION

KNPS is located on Cape Farm Duynefontyn No. 1552 along the sandy coastline of the West Coast approximately 27 km north of the Cape Town Central Business District and 1.5 km north of the residential area of Duynefontein. Access to KNPS is via the R27 which runs along the property's eastern boundary or alternatively via Otto du Plessis Drive.

The topography of the area is relatively flat with an active dunefield extending north of KNPS. A stabilised primary dune inland of KNPS screens many of the KNPS buildings although the two nuclear reactor units are prominent landmarks in the region.

The vegetation of the area consists of low coastal shrub (Cape Dune Strandveld and Atlantis Fynbos), typical of much of the West Coast. KNPS is located within the Koeberg Nature Reserve, a 3 000 ha reserve managed by Koeberg Managing Authority. The Atlantic Ocean forms the western boundary of KNPS.

There are a variety of land uses surrounding KNPS including the Duynefontein residential area to the south, the Koeberg Nature Reserve to the north, south and east, and the R27 along the property's eastern boundary (~ 1.8 km from KNPS) with agricultural activities further east.

The KNPS is located within a predominantly natural environment, although there are existing built elements throughout the property including powerlines, office buildings, a visitors centre, weather station, roads and parking areas.

The TISF will be located within the Security Protected Area of KNPS, a flat area disturbed by previous construction activities and by current operations at the KNPS.

Province	Western Cape
District Municipality	City of Cape Town
Local Municipality	City of Cape Town
Ward number(s)	32
Nearest town(s)	Duynefontein
Farm name(s) and number(s)	Cape Farm Duynefontyn No.1552
Portion number(s)	0

SG 21 Digit Code(s)

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

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

Are there any other applications for Environmental Authorisation on the same property?		YES
If YES, please indicate the following:		
Competent Authority	Department of Environmental Affairs	
1. Project Name & Reference Number	Weskusfleur Substation EIA project (14/12/16/3/3/2/508)	
2. Project Name & Reference Number	Nuclear 1 EIA project (12/12/20/944)	
3. Project Name & Reference Number	Sunbird Energy Gas Pipeline EIA project (14/12/16/3/3/2/587) (withdrawn)	
Please provide details of the steps taken to ascertain this information: The above mentioned projects are Environmental Authorisation (EIA) applications currently in progress which are located on the KNPS property. The cumulative impacts of these projects will be taken into consideration in the S&EIR process for the TISF.		

## 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	Description of project activity that triggers listed activity.
<b>GN R. 983 Item 27:</b> The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation.	Construction of the TISF will require clearing of more than 1 ha of indigenous vegetation.
<b>GN R. 984 Item 3:</b> The development and related operation of facilities or infrastructure for nuclear reaction including energy generation, the production, enrichment, processing, reprocessing, storage or disposal of nuclear fuels, radioactive	The proposed TISF will be used to temporarily store used nuclear fuel.

products, nuclear waste or radioactive waste.	
<b>GN R. 985 Item 12 (a)(i):</b> The clearance of an area of 300 square metres or more of indigenous vegetation within any critically endangered or endangered ecosystem listed in terms of section 52 of the NEMBA or prior to the publication of such a list, within an area that has been identified as critically endangered in the National Spatial Biodiversity Assessment 2004	The site of the proposed TISF is located within the Western Strandveld bioregion. The vegetation type is Cape Flat Dune Strandveld, which is listed as Endangered in the region. More than 300 square meters will be cleared for the construction of the TISF.

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).

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.

Stakeholder engagement forms a key component of the S&EIR process and is being undertaken in accordance with Chapter 6 of the EIA Regulations, 2014.

Relevant local, provincial and national authorities, conservation bodies, local forums and surrounding landowners and occupants have been directly notified of the S&EIR process. An initial stakeholder registration and comment period was allowed during the Initiation Phase, following the release of a Background Information Document (BID). National, provincial and local authorities identified in the initial stakeholder database include the Department of Environmental Affairs (DEA), Western Cape Department of Environmental Affairs and Development Planning, Department of Water and Sanitation (DWS), NNR, Heritage Western Cape, Department of Energy, DEA: Oceans and Coasts, CapeNature and City of Cape Town.

Key stakeholders were identified and notified of the availability of the BID for public review. Newspaper advertisements announcing the availability of the BID and inviting stakeholders to register on the project database were placed in:

- One regional newspaper: The Cape Argus (in English);
- Five local newspapers: WeskusNuus (in Afrikaans); Table Talk (in English); Tygerburger Table View (in English and Afrikaans); Isolabantu (in isiXhosa); and Impact 24/7 (in Afrikaans); and
- A notice was placed in the Shutdown Times (in English), a Koeberg Operation Unit internal newsletter.

Copies of the BID and stakeholder registration forms were made available for viewing at the following venues:

- Koeberg Public Library, Duynfontein;
- Wesfleur Public Library, Atlantis;

- Cape Town Public Library;
- Koeberg Visitors Centre; and
- SRK's office in Rondebosch.

A4 or A3 size notices, in English and/or Afrikaans, were placed on the noticeboards at each of the relevant locations. A2 site notices were placed at the entrances to the KNPS.

A Public Open Day was held on Tuesday, 27 October 2015, at Koeberg Visitors Centre from 15:00 to 18:30. The Public Open Day included a poster presentation. The purpose of the Public Open Day was to provide stakeholders with information regarding the proposed project and allow for the identification of key issues and concerns to inform the Scoping process.

Focus Group Meetings were held with key stakeholders to facilitate focused discussion and the dissemination of information regarding the project.

The Scoping Report was made available for a 30-day pre-application comment period and all registered stakeholders were notified of the availability of the document for comment. Comments received have informed the revision of the Scoping Report and will be attached to the Scoping Report when released for a further comment period.

The stakeholder engagement process initiated during the Initiation Phase will be repeated in the Scoping and Impact Assessment Phases of the S&EIR process. Stakeholders will be provided with a 30-day comment period for both the Scoping and EIA Reports and all written comments received will be captured in a Comments and Responses Report.

## 8. OTHER AUTHORISATIONS REQUIRED

LEGISLATION	AUTHORISATION REQUIRED		APPLICATION SUBMITTED	
	YES	NO	YES	NO
<b>SEMAS</b>				
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
<b>National legislation</b>				
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: National Nuclear Regulator approval	YES	NO	YES	NO**

**\*Note:** A comment received from the DWS during the pre-application comment period indicated that a Water Use Licence (WUL) will not be required for the project. However, if dewatering of excavations is necessary during construction, DWS will once again be consulted about the need for a WUL.

**\*\*Note:** Eskom operates the KNPS in accordance to the existing NNR license NIL-001. Eskom plans to amend their existing NNR licence to include the TISF. This process will be undertaken following the S&EIR process.

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**

		<b>SUBMITTED</b>	
Appendix 1	Proof of Payment	YES	N/A
Appendix 2	Strategic Infrastructure Projects	YES	NO
Appendix 3	List of Local Municipalities (with contact details)	YES	N/A
Appendix 4	List of land owners (with contact details) and proof of notification of land owners.	YES	NO
Appendix 5	List of SGIDs	YES	N/A
Appendix 6	Project map	YES	NO
Appendix 7	Project schedule	YES	N/A
Appendix 8	Declaration of Applicant	YES	NO
Appendix 9	Declaration of EAP	YES	NO

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

*NOT APPLICABLE*

**APPENDIX 2  
STRATEGIC INFRASTRUCTURE PROJECTS**

<p><b>SIP 1: Unlocking the northern mineral belt with Waterberg as the catalyst</b></p> <ul style="list-style-type: none"> <li>• Unlock mineral resources</li> <li>• Rail, water pipelines, energy generation and transmission infrastructure</li> <li>• Thousands of direct jobs across the areas unlocked</li> <li>• Urban development in Waterberg - first major post-apartheid new urban centre will be a "green" development project</li> <li>• Rail capacity to Mpumalanga and Richards Bay</li> <li>• Shift from road to rail in Mpumalanga</li> <li>• Logistics corridor to connect Mpumalanga and Gauteng.</li> </ul>
<p><b>SIP 2: Durban-Free State-Gauteng logistics and industrial corridor</b></p> <ul style="list-style-type: none"> <li>• Strengthen the logistics and transport corridor between SA's main industrial hubs</li> <li>• Improve access to Durban's export and import facilities</li> <li>• Integrate Free State Industrial Strategy activities into the corridor</li> <li>• New port in Durban</li> <li>• Aerotropolis around OR Tambo International Airport.</li> </ul>
<p><b>SIP 3: South-Eastern node &amp; corridor development</b></p> <ul style="list-style-type: none"> <li>• New dam at Mzimvubu with irrigation systems</li> <li>• N2-Wild Coast Highway which improves access into KwaZulu-Natal and national supply chains</li> <li>• Strengthen economic development in Port Elizabeth through a manganese rail capacity from Northern Cape</li> <li>• A manganese sinter (Northern Cape) and smelter (Eastern Cape)</li> <li>• Possible Mthombo refinery (Coega) and transshipment hub at Ngqura and port and rail upgrades to improve industrial capacity and performance of the automotive sector.</li> </ul>
<p><b>SIP 4: Unlocking the economic opportunities in North West Province</b></p> <ul style="list-style-type: none"> <li>• Acceleration of investments in road, rail, bulk water, water treatment and transmission infrastructure</li> <li>• Enabling reliable supply and basic service delivery</li> <li>• Facilitate development of mining, agricultural activities and tourism opportunities</li> <li>• Open up beneficiation opportunities in North West Province.</li> </ul>
<p><b>SIP 5: Saldanha-Northern Cape development corridor</b></p> <ul style="list-style-type: none"> <li>• Integrated rail and port expansion</li> <li>• Back-of-port industrial capacity (including an IDZ)</li> <li>• Strengthening maritime support capacity for oil and gas along African West Coast</li> <li>• Expansion of iron ore mining production and beneficiation.</li> </ul>
<p><b>SIP 6: Integrated municipal infrastructure project</b></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><b>SIP 7: Integrated urban space and public transport programme</b></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><b>SIP 8: Green energy in support of the South African economy</b> 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><b>SIP 9: Electricity generation to support socioeconomic development</b> 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><b>SIP 10: Electricity transmission and distribution for all</b> 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>
<p><b>SIP 11: Agri-logistics and rural infrastructure</b> 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&amp;D on rural issues (including expansion of agricultural colleges), processing facilities (abattoirs, dairy infrastructure), aquaculture incubation schemes and rural tourism infrastructure.</p>
<p><b>SIP 12: Revitalisation of public hospitals and other health facilities</b> 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><b>SIP 13: National school build programme</b> 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><b>SIP 14: Higher education infrastructure</b> 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><b>SIP 15: Expanding access to communication technology</b> 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. The school roll-out focus is initially on the 125 Dinaledi (science and maths-focussed) schools and</p>

1525 district schools. Part of digital access to all South Africans includes TV migration nationally from analogue to digital broadcasting.

**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.

**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.

**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.

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

*NOT APPLICABLE*

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

*NOT APPLICABLE*

The affected property (Cape Farm Duynfontyn No. 1552) is owned by Eskom Holdings SOC Limited

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

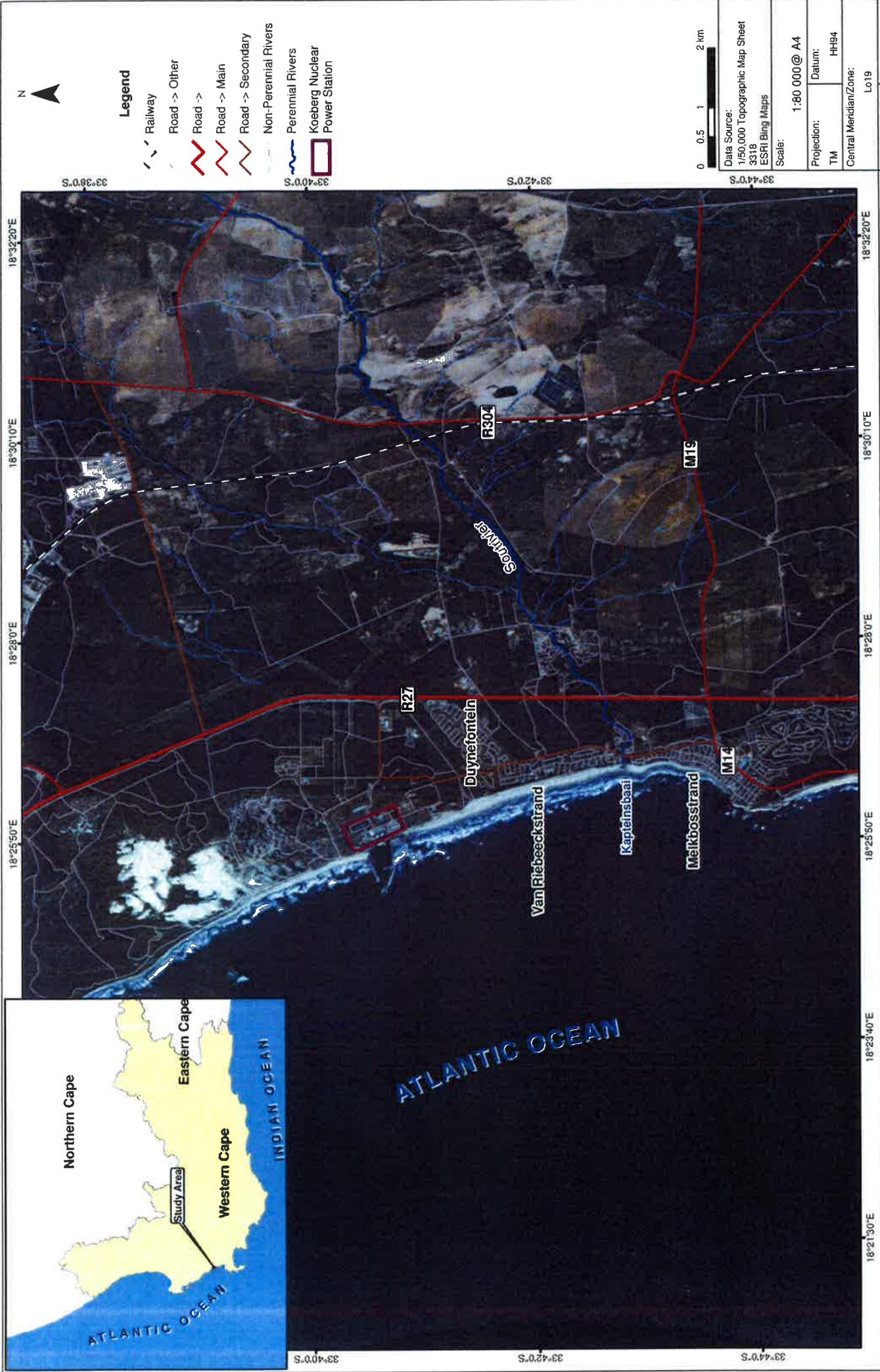
*NOT APPLICABLE*

**APPENDIX 6  
PROJECT MAP**

6.1 Locality map

6.2 Site Alternatives map

6.3 Sensitivity map



**Legend**

- Railway
- Road -> Other
- Road -> Main
- Road -> Secondary
- Non-Perennial Rivers
- Perennial Rivers
- Koeberg Nuclear Power Station



Data Source:  
1/50,000 Topographic Map Sheet  
3318  
ESRI Bing Maps

Scale: 1:80 000 @ A4

Projection: TM

Datum: HH94

Central Meridian/Zone: Lo 19

Date:	08/07/2015	Compiled by:	FUBM
Project No:	478317	Fig No:	6-1

## KOEBERG TISF EIA LOCALITY MAP



**Legend**

- Access Control Points
- ⚡ Road -> Other
- ▭ TISF Selected Location Alternatives
- ▭ TISF Location Alternatives
- ▭ Security Protected Area

Scale: 1:18 000 @ A4  
 Projection: TM  
 Datum: HH94  
 Central Meridian/Zone: Lot19

Date: 04/08/2015  
 Compiled by: GILB/FUBM

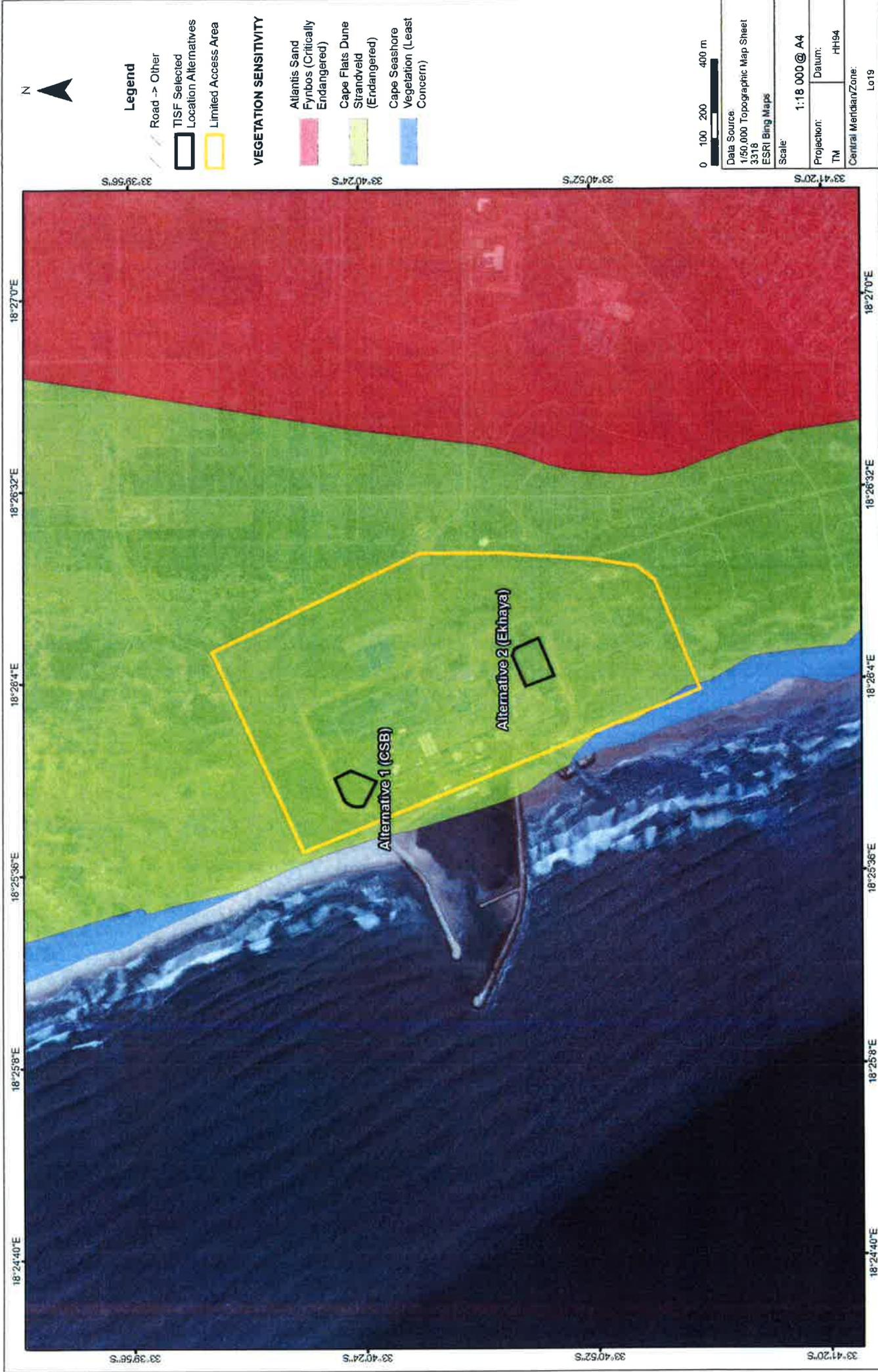
Project No: 478317  
 Fig No: 6-2

Revision: A, Date: 27 06 2011



**KOEBERG TISF EIA**

**LOCATION ALTERNATIVES CONSIDERED IN THE FEASIBILITY PHASE**



- Legend**
- Road -> Other
  - TISF Selected Location Alternatives
  - Limited Access Area

- VEGETATION SENSITIVITY**
- Atlantis Sand Fynbos (Critically Endangered)
  - Cape Flats Dune Strandveld (Endangered)
  - Cape Seashore Vegetation (Least Concern)



Data Source	
1:50,000 Topographic Map Sheet 3318	
ESRI Bing Maps	
Scale:	1:18 000 @ A4
Projection:	Datum:
TM	rH94
Central Meridian Zone:	
Lot 19	
Date:	Completed by:
06/11/2015	GILB/FUBM
Project No:	Fig No:
478317	6-3

# KOEBERG TISF EIA SENSITIVITY MAP



**APPENDIX 7  
PROJECT SCHEDULE**

ID	Task Name	Duration	Start	Finish	Feb '16	Mar '16	Apr '16	May '16	Jun '16	Jul '16	Aug '16	Sep '16	Oct '16	Nov '16	Dec '16	Jan '17	Feb '17	Mar '17	Apr '17	May '17
1	<b>KOEBERG TISF EIA</b>	<b>304 days</b>	<b>Mon 14-03-16</b>	<b>Sun 12-02-17</b>																
2	<b>Scoping</b>	<b>197 days</b>	<b>Mon 14-03-16</b>	<b>Thu 06-07-16</b>																
3	<b>Pre-Application Scoping Phase</b>	<b>103 days</b>	<b>Mon 14-03-16</b>	<b>Sat 02-07-16</b>																
4	Notify stakeholders and release Scoping Report for public comment	7 days	Mon 14-03-16	Sun 20-03-16																
5	Public comment period (30 days)	31 days	Tue 22-03-16	Mon 25-04-16																
6	Compile Comments and Responses Summary	14 days	Tue 26-04-16	Wed 11-05-16																
7	Revise Scoping Report	21 days	Thu 12-05-16	Wed 01-06-16																
8	Client review of revised draft Scoping Report	14 days	Thu 02-06-16	Wed 15-06-16																
9	Finalise Scoping Report and Application Forms	14 days	Fri 17-06-16	Thu 30-06-16																
10	Client accepts Scoping Report and Application Forms	2 days	Fri 01-07-16	Sat 02-07-16																
11	<b>Formal Scoping Phase</b>	<b>91 days</b>	<b>Wed 06-07-16</b>	<b>Thu 06-10-16</b>																
12	<b>Submit EA Application Forms to DEA</b>	<b>2 days</b>	<b>Wed 06-07-16</b>	<b>Thu 07-07-16</b>																
13	Notify Stakeholders and Release Scoping Report for formal public comment	0 days	Thu 07-07-16	Thu 07-07-16																
14	Public comment period (30 days)	32 days	Fri 08-07-16	Mon 08-08-16																
15	Public open day	1 day	Thu 21-07-16	Thu 21-07-16																
16	Focus group meetings	7 days	Fri 22-07-16	Thu 28-07-16																
17	Compile Comments and Responses Summary	5 days	Wed 10-08-16	Sun 14-08-16																
18	Client review of Comments and Responses Summary	3 days	Mon 15-08-16	Wed 17-08-16																
19	Finalise Comments and Responses Summary and Scoping Report	5 days	Thu 18-08-16	Mon 22-08-16																
20	<b>Submission Deadline: Scoping Report to DEA</b>	<b>2 days</b>	<b>Mon 22-08-16</b>	<b>Tue 23-08-16</b>																
21	Authority acceptance of Scoping Report	43 days	Wed 24-08-16	Thu 06-10-16																
22	<b>Impact Assessment Phase</b>	<b>203 days</b>	<b>Fri 01-07-16</b>	<b>Sun 12-02-17</b>																
23	Specialist Impact Assessments	75 days	Fri 01-07-16	Wed 14-09-16																
24	Compile EIA Report and EMP	45 days	Tue 23-08-16	Fri 07-10-16																
25	Client Review of EIA Report and EMP	21 days	Sat 08-10-16	Fri 28-10-16																
26	Finalise EIA Report and EMP and release for public comment	10 days	Sat 29-10-16	Mon 07-11-16																
27	Public comment period (30 days)	30 days	Thu 10-11-16	Fri 09-12-16																
28	Public open day	1 day	Tue 22-11-16	Tue 22-11-16																
29	Focus group meetings	7 days	Wed 23-11-16	Tue 29-11-16																
30	Compile Comments and Responses Summary	14 days	Sat 10-12-16	Sat 14-01-17																
31	Client review of Comments and Responses Summary	10 days	Sun 15-01-17	Tue 24-01-17																
32	Finalise Comments and Responses Summary, EIA Report and EMP	15 days	Wed 25-01-17	Wed 08-02-17																
33	<b>Submission deadline: EIA Report and EMP to DEA</b>	<b>1 day</b>	<b>Sun 12-02-17</b>	<b>Sun 12-02-17</b>																
34	DEA Decision	107 days	Mon 13-02-17	Tue 30-05-17																

**APPENDIX 8  
DECLARATION OF THE APPLICANT**

I, Velaphi Ntuli declare that I -

- am, or represent<sup>1</sup>, 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 practitioner<sup>2</sup>;
- 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.

---

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

<sup>2</sup> 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.

J.H.

Signature<sup>3</sup> of the applicant<sup>4</sup>/ Signature on behalf of the applicant:

ESKOM HOLDINGS SOC LIMITED  
Name of company (if applicable):

2016-06-30  
Date:

**Environmental Impact Assessment of the Used Fuel Transient Interim Storage Facility at Koeberg Nuclear Power Station**

<sup>3</sup> Only original signatures will be accepted. No scanned, copied or faxed signatures will be accepted.

<sup>4</sup> 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, Sharon Jones 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.



\_\_\_\_\_  
Signature of the environmental assessment practitioner:

SRK Consulting (South Africa) Pty Ltd

\_\_\_\_\_  
Name of company:

28/06/2016

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

## Sharon Jones

### Principal Consultant



<b>Profession</b>	Environmental Scientist
<b>Education</b>	MPhil (Environmental Management), with distinction, University of Stellenbosch, 2007 BSc (Hons), (Environmental and Geographical Science), University of Cape Town, 1997 BSc, University of Cape Town, 1996
<b>Registrations/ Affiliations</b>	Pr Sci Nat (South Africa) (400122/05) Certified Environmental Assessment Practitioner (CEAPSA) by EAPSA Interim Certification Board Member, IAIA
<b>Awards</b>	None

---

<b>Specialisation</b>	Environmental impact assessment, integrated environmental management, environmental due diligence, environmental management plans, public participation, environmental management frameworks.
-----------------------	---

---

<b>Expertise</b>	<p>Sharon Jones has been involved in environmental management for the past 18 years working on a broad range of projects in the Western Cape, Mozambique, Namibia, Angola, DRC as well as in Suriname, South America. Her expertise includes:</p> <ul style="list-style-type: none"><li>• a number EIA's undertaken for a variety of activities including mining and port development;</li><li>• compilation of Environmental Management Frameworks;</li><li>• input into due diligence and gap analysis studies;</li><li>• compilation of construction and operational phase EMPs for a range of projects;</li><li>• auditing compliance with EMPs on a number of sites.</li></ul>
------------------	---

---

### Employment

<b>2005 – present</b>	SRK Consulting, Environmental Department, Principal Environmental Consultant, Cape Town
<b>2001 – 2005</b>	Ecosense cc, Environmental Scientist, Stellenbosch
<b>1998 – 2001</b>	Planning Partners, Environmental Consultant, Cape Town

---

### Publications

I have been interviewed and quoted in numerous environmental and sustainability articles published in the press and sector specific journals.

---

### Languages

English – read, write, speak  
Afrikaans– read, write, speak

---

**Sharon Jones**  
**Principal Consultant****Publications**

-

**Journal Articles**

I have been interviewed and quoted in numerous environmental and sustainability articles published in the press and sector specific journals. Recent articles include:

1. Localised environmental management. *Urban Green File*. August 2012, 26-31
2. Environmental Management Framework for Winelands. *Environmental Management*. Jan/Feb 2012, 6-7
3. Port Expansions: No Short Cuts. *Export & Import SA*. September 2013, p. 26
4. No quick fix for port projects. *Civil Engineering Contractor*. November 2013, p. 8.
5. Happy Marriage between Civil and Environmental Engineering. *Civil Engineering*. August 2014, 58-59.
6. Aquaculture Aspirations. *Engineering News*. September 2015, p.70.

## Sharon Jones

### Principal Consultant

#### **Key Experience: Environmental impact assessment**

**Location:** Port of Saldanha, Western Cape  
**Project duration & year:** 2016  
**Client:** Transnet Port Terminals  
**Name of Project:** Amendment to Atmospheric Emission Licence: Port of Saldanha  
**Project Description:** Basic Assessment for amendments to the Atmospheric Emissions Licence for the iron ore terminal, Port of Saldanha  
**Job Title and Duties:** Project Manager: Client and authority liaison, management and review of specialist studies, public consultation, drafting of Basic Assessment and EMP  
**Value of Project:** R 250 000

**Location:** Ceres, Western Cape  
**Project duration & year:** 2016  
**Client:** Eskom  
**Name of Project:** Bon Chretien – Merino Powerline  
**Project Description:** Basic Assessment for the construction of a powerline between the existing Bon Chretien substation in Ceres and the new Merino substation  
**Job Title and Duties:** Project Manager: Client and authority liaison, management and review of specialist studies, public consultation, drafting of Basic Assessment and EMP  
**Value of Project:** R 400 000

**Location:** Koeberg Nuclear Power Station, Cape Town  
**Project duration & year:** 2015  
**Client:** Eskom  
**Name of Project:** Transient Interim Used Fuel Storage Facility, Koeberg Nuclear Power Station  
**Project Description:** EIA for proposed Transient Interim Used Fuel Storage Facility, Koeberg Nuclear Power Station  
**Job Title and Duties:** Project Manager: Client and authority liaison, management and review of specialist studies, public consultation, drafting of scoping and EIA reports  
**Value of Project:** R 1.5 million

**Location:** West Coast, Western Cape  
**Project duration & year:** 2015  
**Client:** Matzikama Municipality  
**Name of Project:** Doringbaai Aquaculture farms EIA  
**Project Description:** EIA for proposed aquaculture farms at Doringbaai  
**Job Title and Duties:** Project Consultant  
**Value of Project:** R2 million

**Location:** Middelpos, Saldanha Bay  
**Project duration & year:** 2015  
**Client:** Nadeson Consulting Services  
**Name of Project:** Middelpos Stormwater Upgrades  
**Project Description:** Basic assessment for stormwater infrastructure upgrades, Middelpos  
**Job Title and Duties:** Project Manager: client liaison, review of specialist studies, management of Basic Assessment process, drafting and review of BAR and EMP  
**Value of Project:** R 290 000

**Location:** Brand se Baai  
**Project duration & year:** 2014 – Ongoing  
**Client:** Tronox Mineral Sands (Pty) Ltd  
**Name of Project:** East OFS Expansion  
**Project Description:** Basic Assessment for amendments to the East OFS Project

## Sharon Jones

### Principal Consultant

Job Title and Duties:	Project Reviewer
Value of Project:	R1 million
Location:	Cape Town International Airport
Project duration & year:	2012 - 2015
Client:	Airports Company of South Africa
Name of Project:	CTIA Runway Realignment
Project Description:	Environmental Impact Assessment and Environmental Management Plan
Job Title and Duties:	Project Manager: Client and authority liaison, management and review of specialist studies, public consultation, drafting of scoping and EIA reports
Value of Project:	R 2,500 000
Location:	Abraham Villiers Bay, Northern Cape
Project duration & year:	2012 - 2015
Client:	Frontier Rare Earths SA (Pty) Ltd
Name of Project:	Frontier Desalination Plant
Project Description:	Site Screening and Fatal Flaw Assessment, Environmental Impact Assessment and Environmental Management Plan
Job Title and Duties:	Project Manager: Client and authority liaison, management and review of specialist studies, public consultation, drafting of scoping and EIA reports
Value of Project:	R 1,400 000
Location:	Saldanha, Western Cape
Project duration & year:	2012 - 2013
Client:	Prestedge Retief Dresner Wijnberg on behalf of Transnet
Name of Project:	Upgrade of General Maintenance Quay
Project Description:	Basic Assessment and Environmental Management Plan
Job Title and Duties:	Project Manager: client liaison, review of specialist studies, management of Basic Assessment process, drafting and review of BAR and EMP
Value of Project:	R 290 000
Location:	Matola Port, Maputo, Mozambique
Project duration & year:	2012
Client:	Hatch on behalf of Grindrod Terminals
Name of Project:	Phase 4 development of TCM, Matola Port
Project Description:	Environmental Scoping Study, Environmental Impact Assessment and Environmental Management Plan
Job Title and Duties:	Project Manager: undertaking scoping study and managing EIA as well as drafting the Environmental Management Plans in association with local (Mozambique) consultants, Consultec.
Value of Project:	US \$ 420 000
Location:	Nampula Province, Mozambique
Project duration & year:	2010-2012
Client:	Vale
Name of Project:	Evate Phosphate Mine, Mozambique
Project Description:	Environmental Scoping Study, Environmental Impact Assessment and Environmental Management Plans
Job Title and Duties:	Project Manager: undertaking scoping study and production of critical issues report, and Managing EIA and EMP in association with local (Mozambique) consultants, Consultec.
Value of Project:	US \$ 800 000
Location:	Hermanus, Western Cape
Project duration & year:	2009-2011

## Sharon Jones

### Principal Consultant

Client:	Overstrand Municipality
Name of Project:	Hermanus Groundwater Development Project
Project Description:	Basic Environmental Assessment and Water Use Licence Application
Job Title and Duties:	Project Manager: duties include liaison with client and authorities, public participation, management of specialists, drafting Basic Assessment Report, Environmental Management Plans and Water Use Licence Application.
Value of Project:	R 350 000
Location:	Suriname, South America
Project duration & year:	2009
Client:	Staatsolie (State Oil Company), Suriname
Name of Project:	Sand Mining and Site Preparation for Refinery Expansion
Project Description:	Rapid Environmental Assessment
Job Title and Duties:	Project Manager: duties include liaison with client and authorities, focussed stakeholder consultation, management of specialists, Rapid Environmental Assessment Report, Environmental management & Monitoring Plan.
Value of Project:	US \$ 45 000
Location:	Saldanha
Project duration & year:	2007-2008
Client:	Transnet Capital Projects
Name of Project:	Port of Saldanha Reverse Osmosis Plant
Project Description:	Basic Environmental Assessment
Job Title and Duties:	Project Manager: duties include liaison with client and authorities, public participation, management of specialists, review of Basic Assessment report
Value of Project:	R 800 000
Location:	Worcester
Project duration & year:	2006-2009
Client:	Worcester Land Trust
Name of Project:	Worcester Hills Commercial Development
Project Description:	Environmental Impact Assessment
Job Title and Duties:	Project Manager: duties include liaison with client and authorities, public participation, management of specialists, Scoping and Environmental Impact Reports, Construction and Operational Phase Environmental Management Plans.
Value of Project:	R 450 000
Location:	Worcester
Project duration & year:	2006-2008
Client:	Worcester Land Trust
Name of Project:	Worcester Island Commercial/Residential Development
Project Description:	Environmental Impact Assessment
Job Title and Duties:	Project Manager: duties include liaison with client and authorities, public participation, management of specialists, Basic Environmental Assessment Report
Value of Project:	R 150 000
Location:	Port of Cape Town
Project duration & year:	2006-2007
Client:	Transnet Projects
Name of Project:	Ben Schoeman Dock: Berth Deepening EIA
Project Description:	Environmental Impact Assessment
Job Title and Duties:	Project Manager: duties included liaison with client and authorities, appointment and management of specialist, public participation, drafting Environmental Impact Report

## Sharon Jones

### Principal Consultant

Value of Project: R1,500 000

Location: Saldanha  
 Project duration & year: 2005-2010  
 Client: Transnet Capital projects  
 Name of Project: Saldanha Iron Ore Terminal Upgrade (various phases and contracts)  
 Project Description: Environmental Impact Assessment  
 Job Title and Duties: Project Manager (Western Cape): duties include liaison with client and authorities, liaison with specialists and review of specialist studies, Environmental Impact Report

Value of Project: R 22 000 000

Location: Suriname, South America  
 Project duration & year: 2005-2009  
 Client: NV BHP Billiton Maatschappij Suriname  
 Name of Project: Caramacca Bauxite Mine  
 Project Description: Environmental and Social Impact Assessment  
 Job Title and Duties: Project Manager: duties included liaison with client, authority and stakeholder consultation, scoping report, management of specialists, Environmental and Social Impact Report

Value of Project: US\$ 160 000

Location: Somerset West  
 Project duration & year: 2005  
 Client: n/a  
 Name of Project: Croydon Olive Estate  
 Project Description: Environmental Application and Scoping  
 Job Title and Duties: Project Manager: duties included liaison with client and authorities, public participation, management of specialists

Value of Project: R 35 000

Location: Somerset West  
 Project duration & year: 2004-2005  
 Client: n/a  
 Name of Project: Croydon Vineyard Estate  
 Project Description: Scoping Study  
 Job Title and Duties: Project Manager: duties included liaison with client and authorities, public participation, management of specialists

Value of Project: R 35 000

Location: Kommetjie, Cape Town  
 Project duration & year: 2003-2005  
 Client: n/a  
 Name of Project: Kompanjiesuin Vineyard Estate  
 Project Description: Environmental Impact Assessment  
 Job Title and Duties: Project Consultant: duties included liaison with client and authorities, public participation, assisting with management of specialists

Value of Project: R 70 000

Location: Paarl  
 Project duration & year: 2003-2005  
 Client: Kynoch  
 Name of Project: Kynoch Liquid Fertilizer Plant  
 Project Description: Scoping Study  
 Job Title and Duties: Project Consultant: duties included liaison with client and authorities, public

## Sharon Jones

### Principal Consultant

Value of Project: participation  
R 50 000

Location: McGregor  
Project duration & year: 2003-2004  
Client: n/a  
Name of Project: Groot Toren Reserve Development  
Project Description: Environmental Impact Assessment  
Job Title and Duties: Project Consultant: duties included liaison with client and authorities, public participation, drafting of scoping report, liaison with specialists  
Value of Project: R 50 000

Location: Breede River  
Project duration & year: 2001-2007  
Client: Breede River Winelands Municipality  
Name of Project: BRWM Landfill EIA  
Project Description: Environmental Impact Assessment  
Job Title and Duties: Project Manager: duties included liaison with client and authorities, public participation, management of specialists, drafting of EIR  
Value of Project: R 750 000

Location: Robertson  
Project duration & year: 2001-2003  
Client: n/a  
Name of Project: Silwerstrand Golf and River Estate  
Project Description: Scoping Study  
Job Title and Duties: Project Consultant: duties included liaison with client and authorities, assisting with public participation, drafting of coping report  
Value of Project: R 50 000

#### **Key Experience: Strategic environmental planning**

Location: Cape Winelands District, Western Cape  
Project duration & year: 2010-2012  
Client: Cape Winelands District Municipality  
Name of Project: Cape Winelands District Municipality Environmental Management Framework  
Project Description: Environmental Management Framework  
Job Title and Duties: Project Manager: duties include general project management and liaison with the client, consultation with Project Steering Committee and Key Stakeholders, review and analysis of existing information, specialist management and managing the production of the EMF.  
Value of Project: R 1,300 000

#### **Key Experience: Environmental management plans and compliance auditing**

Location: Riversdale – Mossel Bay  
Project duration & year: 2006  
Client: PGWC: Roads Department  
Name of Project: Riversdale: Repair and Replacement of Road Culverts  
Project Description: Environmental Management Plan and Environmental Site Control  
Job Title and Duties: Project Manager: duties included liaison with project team and authorities, drafting of environmental management plan, monthly environmental site control  
Value of Project: R 150 000

## Sharon Jones

### Principal Consultant

Location:	Rawsonville
Project duration & year:	2005-2008
Client:	Rainbows End Property Holdings
Name of Project:	Rainbow's End Road Rehabilitation
Project Description:	Assessment of impacts and rehabilitation plans for illegal road
Job Title and Duties:	Project Manager: duties included assessment of impacts, management and appointment of specialist team, drafting of rehabilitation plan, environmental management during rehabilitation
Value of Project:	R 400 000
Location:	Somerset West
Project duration & year:	2004-2005
Client:	n/a
Name of Project:	Croydon Vineyard Estate
Project Description:	Construction and Operational phase Environmental Management Plans
Job Title and Duties:	Project Consultant responsible for drafting Environmental Management Plans and liaison with authorities
Value of Project:	R 60 000
Location:	Franschhoek
Project duration & year:	2003-2004
Client:	n/a
Name of Project:	Berg Water Project
Project Description:	Construction phase Environmental Management Plan for Dam
Job Title and Duties:	Project consultant responsible for drafting of environmental management specification for dam construction
Value of Project:	R 50 000
Location:	Somerset West
Project duration & year:	2003
Client:	n/a
Name of Project:	Boskloof Eco-Estate
Project Description:	Audit of general environmental management and compliance with EMP
Job Title and Duties:	Auditor
Value of Project:	R 15 000
Location:	Tygerberg
Project duration & year:	2002;2003;2004
Client:	n/a
Name of Project:	Kanonberg Lifestyle Estate
Project Description:	Audits of general environmental management and compliance with EMP
Job Title and Duties:	Assistant auditor (2002); Auditor (2003; 2004)
Value of Project:	R 10 000
Location:	Tygerberg
Project duration & year:	2001-2002
Client:	n/a
Name of Project:	Kanonberg Lifestyle Estate
Project Description:	Operational phase Environmental Management Plan
Job Title and Duties:	Project Consultant: duties included drafting Environmental Management Plan
Value of Project:	R 30 000
Location:	Kenilworth
Project duration & year:	1999-2000
Client:	n/a

## Sharon Jones

### Principal Consultant

Name of Project: Kenilworth Race Course  
 Project Description: Construction and Operational phase Environmental Management Plans  
 Job Title and Duties: Project Consultant: duties included drafting Environmental Management Plan, establishment and chairing of the Environmental Management Committee  
 Value of Project: R 70 000

#### Key Experience: Environmental due diligence

Location: Lauca, Angola  
 Project duration & year: 2014 - 2018  
 Client: Deutsche Bank  
 Name of Project: Lauca Dam ESDD  
 Project Description: Environmental and Social Due Diligence and Annual Review  
 Job Title and Duties: Project Manager & Auditor  
 Value of Project: € 300 000

Location: Cambambe, Angola  
 Project duration & year: 2014-2017  
 Client: HSBC Bank  
 Name of Project: Cambambe Dam Performance Review Audits  
 Project Description: Review of Performance against Environmental and Social Action Plan  
 Job Title and Duties: Project Consultant: Undertake annual reviews of performance against the Environmental and Social Action plan agreed to by International Lenders  
 Value of Project: € 174 000

Location: Cambambe, Angola  
 Project duration & year: 2013  
 Client: HSBC Bank  
 Name of Project: Cambambe Dam Due Diligence Study  
 Project Description: Review of Project against International Standards  
 Job Title and Duties: Project Consultant: assessment of EIA and site activities against international standards and make recommendations for improvement  
 Value of Project: € 80 000

Location: Kolwezi, Democratic Republic of the Congo  
 Project duration & year: 2012  
 Client: Comide SPRL  
 Name of Project: Comide Gap Analysis  
 Project Description: Gap Analysis of EMP for Comide Copper Mine  
 Job Title and Duties: Project Manager: required to review the EMP and general environmental management on site, identify gaps and make recommendations to achieve Good International Industry Practice  
 Value of Project: R 450 000

Location: Brazil  
 Project duration & year: 2010  
 Client: SRK, Cardiff  
 Name of Project: MBAC Phosphate and Potash Mine, Brazil  
 Project Description: Environmental Input into Due Diligence Review  
 Job Title and Duties: Project Consultant: required to review existing project information, and provide environmental input into the larger Due Diligence Study  
 Value of Project: US \$ 2 000

Location: Namib-Naukluft National Park, Namibia  
 Project duration & year: 2009

**Sharon Jones**  
**Principal Consultant**

Client: Confidential  
Name of Project: Rossing South Uranium Mine, Namibia  
Project Description: Environmental Due Diligence Study  
Job Title and Duties: Project Manager: duties include sourcing and reviewing existing information, and identifying possible social and environmental constraints and considerations which could affect the establishment of a uranium mine and associated infrastructure within the boundaries of a National Park, as part of a larger due diligence report.  
Value of Project: US \$ 30 000

**Key Experience: Atmospheric Emission Licences**

Location: Port of Saldanha, Western Cape  
Project duration & year: 2015  
Client: Transnet Port Terminals  
Name of Project: Atmospheric Emission Licence: Compliance Review  
Project Description: Review of compliance with conditions of provisional Atmospheric Emission Licence  
Job Title and Duties: Project Manager: Client and authority liaison, compliance review  
Value of Project: R 100 000

**Key Experience: Coastal Waters Discharge Permits**

Location: Abraham Villiers Bay, Northern Cape  
Project duration & year: 2012 - 2015  
Client: Frontier Rare Earths SA (Pty) Ltd  
Name of Project: Frontier Desalination Plant  
Project Description: Submission of an application for a Coastal Waters Discharge permit for the discharge of brine from desalination plant into the ocean  
Job Title and Duties: Project Manager: Client and authority liaison, drafting of application for Coastal Waters Discharge Permit  
Value of Project: R 30 000