



## 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

[Proposed Kriel-Matla Ash Transfer Link](#)

#### 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.

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: <a href="mailto:eiafee@environment.gov.za">eiafee@environment.gov.za</a></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>
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## 2. PROJECT DESCRIPTION

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

Kriel Power Station is a coal fired power station consisting of six units which produce a combined base load of 3 000 MW. The power station has a remaining operating life of 26 years and is scheduled to be decommissioned in 2039. To generate 3 000 MW of electricity coal is burnt by the boilers which produces ash as a waste product. The ash is then disposed of at the ash disposal facility.


Kriel Power Station Ash Dam will reach its maximum capacity in approximately June 2017 and Eskom is currently in the process of undertaking the environmental impact assessment process for a new Ash Dam. However, according to the latest schedule a new ash dam will only be commissioned in September 2020 and thus Kriel will not have sufficient capacity to deal with the ash generated between 2017 and 2020.

As an intermediate solution, Eskom has proposed the Kriel-Matla Ash Transfer Link which will involve the transferring of 100% of Kriel Power Station Ash to Matla Power Station Ash Dam as well as the return of all Kriel Ash Water from the Matla Power Station Ash Dam to Kriel Power Station for a period of approximately 3.5 - 4 years until the new Kriel Ash Dam is developed.

The proposed project involved the installation of four new ash pipelines from Kriel Distribution Box Pump House to Matla's Ash Dam. In addition, a new Booster Pump house will be constructed at Matla adjacent to the existing booster pump house to accommodate the three extra booster pumps and three Ash Water Return pipelines

A new barge at the Matla ash water return dam (final cut) accommodating three pumps and pipelines to this new booster pump house will also be required


The existing slurry pump house and substations at the Kriel Ash Dam may also require upgrades to effectively pump the ash slurry to the Matla ash dam.

Does the project form part of any of the Strategic Infrastructure Projects (SIPs) as described in the National Development Plan, 2011?		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**

Appendix 2 is not applicable.


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

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.	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:	
The listed activities applied for consist of the entirety of this project. However, it is important to note that this project is a temporary solution for the disposal of ash at Kriel Power Station and that a separate Environmental Authorisation Process is being undertaken for a new Proposed Ash Disposal Facility at Kriel.	

### 3. GENERAL INFORMATION

Applicant name:	Eskom Holdings SOC Ltd
Registration number (if applicant is a company)	2002/015527/30
Trading name (if any)	Eskom
Responsible person name (If the applicant is a company):	Deidre Herbst
Applicant/ Responsible person ID number:	6603060573081
Responsible position, e.g. Director, CEO, etc.:	Eskom Environmental Manager

Physical address:	Megawatt Park, 1 Maxwell drive, Sunninghill Johannesburg		
Postal address:	P.O. Box 1091		
Postal code:	2000	Cell:	083 660 1147
Telephone:	011 800 3501	Fax:	086 660 6092
E-mail:	Deidre.herbst@eskom.co.za	BBBEE status	State Owned Company

Provincial Authority:	Mpumalanga Department of Economic Development, Environment and Tourism (DEDET): Nkangala District		
Contact person:	Dineo Tswai		
Postal address:	P.O. BOX 383, Witbank		
Postal code:	1035	Cell:	
Telephone:	013 690 2595	Fax:	013 690 3704
E-mail:	<a href="mailto:dtswai@wit.mpu.gov.za">dtswai@wit.mpu.gov.za</a>		

Local municipality	Emalahleni Local Municipality		
Contact person:	Kriel		
Postal address:	E. J. Nkabinde		
Postal code:	P. O. Box 3, Witbank	Cell:	072 596 4904
Telephone:	1035	Fax:	086 698 0791
E-mail:			

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**.

[Appendix 3 is Not Applicable](#)

Landowner:	<div style="border: 1px solid white; padding: 5px; display: inline-block;">           Cell: Fax:         </div>
Contact person:	
Postal address:	
Postal code:	
Telephone:	
E-mail:	

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**.

[Please see Appendix 4 for the details of the landowner.](#)

Identified Competent Authority to consider the application:	Department of Environmental Affairs (DEA)
Reason(s) in terms of S 24C of NEMA 1998 as amended	<p>The applicant, Eskom Holdings SOC Limited is a parastatal and as such applications for Environmental Authorisation should be directed to DEA as per the requirements of the National Environmental Management Act (No 107 of 1998) as amended by National Environmental Management Laws Second Amendment Act 30 of 2013 - Gazette No. 37170, No. 1019, dated 18 December 2013. Commencement date of sections 3, 4, 5 and 14: 18 December 2014.</p> <p>Section 24C (2): The Minister must be identified as the competent authority in terms of subsection (1), unless otherwise agreed to in terms of section</p>

24C(3), if the activity:

*(d) is undertaken, or is to be undertaken, by—  
(iii) a statutory body, excluding any municipality, performing an exclusive competence of the national sphere of government.*

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

EAP:	Vanessa Stippel		
Professional affiliation/registration:	Professional member of the Southern African Institute of Ecologists and Environmental Scientists Company is IAIA Affiliated		
Contact person (if different from EAP):			
Company:	Nemai Consulting		
Physical address:	147 Bram Fisher Drive, Ferndale, Randburg		
Postal address:	PO Box 1673, Sunninghill		
Postal code:	2157	Cell:	0761289126
Telephone:	0117811730	Fax:	0117811731
E-mail:	<a href="mailto:vanessas@nemai.co.za">vanessas@nemai.co.za</a>		

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.

The EAP Declaration and CV of the EAP are included in Appendix 9.

#### 5. SITE DESCRIPTION

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

Province	Mpumalanga
District Municipality	Nkangala District Municipality
Local Municipality	Emalahleni Local Municipality
Ward number(s)	Ward 27
Nearest town(s)	Kriel
Farm name(s) and number(s)	Farm Bakenlaagte 84 IS Farm Driefontein 69 IS Farm Kriel Power Station IS Farm Onverwacht 70 IS
Portion number(s)	Farm Bakenlaagte 84 IS <ul style="list-style-type: none"> <li>• Portion 4</li> </ul> Farm Driefontein 69 IS <ul style="list-style-type: none"> <li>• Portion 10</li> <li>• Portion 11</li> <li>• Portion 12</li> <li>• Portion 13</li> <li>• Portion 15</li> <li>• Portion 17</li> <li>• Portion 30</li> </ul> Farm Kriel Power Station IS


	<ul style="list-style-type: none"> <li>• Remaining Extent Farm Onverwacht 70 IS</li> <li>• Portion 15</li> <li>• Portion 16</li> </ul> Farm Vlaklaagte 83 IS <ul style="list-style-type: none"> <li>• Portion 2</li> </ul>
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SG 21 Digit Code(s)

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

1	2	3	4	5

Please see Appendix 5 for the SG 21 Digit Codes

Are there any other applications for Environmental Authorisation on the same property?	YES 	NO
If YES, please indicate the following:		
Competent Authority	Department of Environmental Affairs	
Reference Number	12/12/20/1837	
Project Name	Kriel Ash Dam Extension	
Please provide details of the steps taken to ascertain this information:		
<p>The information regarding additional applications on the same property was requested from Eskom who is the landowner and applicant and is thus aware of projects occurring on the property. Please note that the project is at EIA phase. Development processes for developing a draft EIR await results of the geotechnical studies through Monitored Test Embankment.</p>		

## 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.

<b>Detailed</b> 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>e.g. GN R.983 Item XX(x): The development of bridge exceeding 100 square metres in size within a watercourse</b>	<b>e.g. A bridge measuring 110 square metres will be constructed within the watercourse</b>
GN R 983 Item 10 (i) and (ii)	Four Ash Slurry Pipelines with a design flow rate of approximately 210 litres/s (753 m <sup>3</sup> /hour) and three Ash Water Return Pipelines with a design flow rate of 200 litres/s (720 m <sup>3</sup> /hour) will be put in place to transport ash from Kriel Ash Dam to Matla Ash Dam and Ash Return Water from Matla Ash Dam to Kriel Ash Dam. This activity will take place outside an urban area. In addition, two 0.675m diameter concrete drain pipes will be placed on either side of the pipe servitude to divert any slurry or ash water spillage to Matla Ash Dam.

GN R 983 Item 12 (iii) and (xii)	Two pipe bridges of approximately 308m <sup>2</sup> and 187m <sup>2</sup> respectively will be constructed within a watercourse outside an urban area.  In addition, pipe sleeves across the haul road will also be put in place. The project also involves the construction of solution trenches which will drain to a sump near the first bridge. In addition culverts may be required to cross the Ash Dam access roads at Kriel and Matla.
GN R 983 Item 19 (i)	The excavation of more than 5m <sup>3</sup> of material from a watercourse.
GN R 983 Item 24 (ii)	Two access roads with a combined width of 10m (2 x 5m) will be constructed on either side of the pipelines.

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**.

Please see Appendix 6 for the Sensitivity Map. The site does not occur in any Critical Biodiversity Areas (CBAs) or Ecological Support Areas (ESAs).

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

Please see Appendix 7 for the Project Programme

## 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.

Public Participation undertaken for the proposed Kriel – Matla Ash Transfer link will be undertaken in line with Section 41 (2) of GN 982 of 4 December 2014.

The landowner of all properties is Eskom and thus no landowner notification will take place. In addition, all of the land within 100 m proposed route is owned and managed by the applicant.










An Interested and Affected Party (IAP) database however will be compiled and will include organisations, businesses such as nearby mines and tenants and non-governmental organisations such as the Wildlife and Environment Society of South Africa (WESSA). In addition, Departments such as the Department of Mineral Resources, Mpumalanga Department of Economic Development, Environment and Tourism (DEDET), Mpumalanga Parks and Tourism Authority (MPTA) and Department of Water and Sanitation (DWS) will be added as well as representatives from the Local and District Municipalities.

Background Information Documents (BIDs) will be compiled and will include a project description and background as well as information of the Environmental Authorisation process. An advert will be placed in the Ridge Times to notify IAPs of the project and provide all IAPs with 30 days to register. BIDs will also be emailed, faxed, or hand delivered to IAPs. In addition, 10 site notices will be placed Kriel Power Station, Matla Power Station, local municipal offices, Mica hardware store, Kriel Colliery and the Exxaro offices at Matla.

All registered IAPs will then be notified by email, fax or SMS of the public review of the Draft Basic

Assessment Report (BAR). An advert will be placed in the Ridge Times to ensure that all IAPs have an opportunity to review the report. The BAR will be available for review for 30 days at the Kriel Public Library. A public meeting and authority meeting will also be held to present the findings of the BAR.

## 8. OTHER AUTHORISATIONS REQUIRED










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

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

Please note the following:

1. Matla Power Station Ash Dam commenced in 1992 when GN 1986 of August 1990 of the Environmental Conservation Act (No 73 of 1989 - ECA) was in force. As such 'ash for the purpose of generating electricity as waste' was excluded and thus Section 20 of ECA was not applicable. As this proposed ash link involves the transfer of ash to the **existing lawful** Matla Ash Dam for disposal and the capacity of the Matla Ash Dam will not be increased, a Waste Management Licence (WML) would not be triggered as Category B: Activity 7- 'The disposal of any quantity of hazardous waste to land' does not apply.
2. A Water Use Licence Application (WULA) for Section 21 (c) and (i) water uses is being undertaken separately by Digby Wells and the proposed date of submission is 30 October 2015. Public participation for the WULA will be integrated with the BA process.
3. A Heritage Impact Assessment (HIA) will be undertaken to determine whether any heritage resources will be impacted and submitted to the relevant heritage resources agency. Should any heritage be identified, the relevant permits in terms of the National Heritage Resources Act will be obtained.

**9. LIST OF APPENDICES**

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

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



Ms M. Solomons  
Director: Integrated Environmental Authorization  
Department of Environmental Affairs  
Private Bag X447  
PRETORIA  
0001

Date:  
17 September 2015

Enquiries: Tobile Bokwe  
Tel +27 11 800 2303  
tobile.bokwe@eskom.co.za

**Ref No: ENV15-L252**

Dear Ms Solomons

**MOTIVATION FOR FEE APPLICATION EXCLUSION MADE BY AN ORGAN OF STATE: KRIEL –MATLA ASH TRANSFER LINK.**

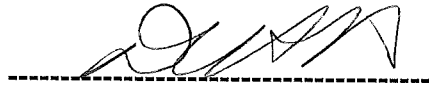
Eskom hereby confirms that it is a State Owned Company and the company is excluded from paying the application fees for the Environmental Authorization and Amendments in terms of regulation 3 of "National Environmental Management Act, 1998 (Act no. 107 of 1998) Fees for consideration and processing of applications for Environmental Authorisations and Amendments thereto" which were published on 28 February 2014 in the Government Gazette No.37383.

Eskom was established in South Africa in 1923 as the Electricity Supply Commission. In July 2002, it was converted into a public, limited liability company, wholly owned by government. The constitutional definition of 'organ of state' makes it clear that other institutions and functionaries are organs of state on the basis of what they are and others by virtue of the functions they are engaged in.

Eskom is one of the top 20 utilities in the world by generation capacity (net maximum self-generated capacity: 41 194MW). Eskom generates approximately 95% of the electricity used in South Africa and approximately 45% of the electricity used in Africa. Eskom directly provides electricity to about 45% of all end-users in South Africa. The other 55% is resold by redistributors (including municipalities).

Eskom applies for exclusion from payment of the fees applicable to this amendment application, since it is a State Owned Company.

Yours Sincerely

A handwritten signature in black ink, appearing to read 'Deidre Herbst', is written above a horizontal dashed line.

Deidre Herbst  
**ESKOM ENVIRONMENTAL MANAGER**

**APPENDIX 2  
STRATEGIC INFRASTRUCTURE PROJECTS**

Not Applicable

**SIP 1: Unlocking the northern mineral belt with Waterberg as the catalyst**

- 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.

**SIP 2: Durban-Free State-Gauteng logistics and industrial corridor**

- 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.

**SIP 3: South-Eastern node & corridor development**

- 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.

**SIP 4: Unlocking the economic opportunities in North West Province**

- 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.

**SIP 5: Saldanha-Northern Cape development corridor**

- 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.

**SIP 6: Integrated municipal infrastructure project**

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.

**SIP 7: Integrated urban space and public transport programme**

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.

**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.

***Indicate capacity in MW:***

**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.

***Indicate capacity in MW:***

**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.

**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.

**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.

**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.

**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.

**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.

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.

**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  
LIST OF LOCAL MUNICIPALITIES**

Not Applicable

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



Please note that the Applicant is the owner and person in control of the land and as such written notification and consent is not required in terms of Section 42 (1) of GN 982 of 4 December 2014. The landowner for both Matla Power Station and Kriel Power Station is Eskom Holdings SOC Limited. The contact details of the respective station managers are provided below.

Kriel Power Station

Landowner:	Eskom Holdings SOC Limited		
Contact person:	Jabulane Mavimbela		
Postal address:	Private Bag X5009, Kriel		
Postal code:	2271	Cell:	082 040 0677
Telephone:	017 615 2300	Fax:	086 572 3500
E-mail:	MavimbCJ@eskom.co.za		

Matla Power Station

Landowner:	Eskom Holdings SOC Limited		
Contact person:	Bruce Moyo( Matla Power Station Manager)		
Postal address:	Private Bag X 5012, Kriel		
Postal code:	2271	Cell:	082 878 0982
Telephone:	017 612 6440	Fax:	
E-mail:	Bruce.Moyo@eskom.co.za		

**APPENDIX 5  
LIST OF SGIDS**

The 21 Digit Cadastral Codes are provided in the below for the following farm portions:

- Portion 4 of Farm Bakenlaagte 84 IS;
- Portion 10, 11, 12, 13, 15, 17 and 30 of Farm Driefontein 69 IS;
- Remaining extent of Farm Kriel Power Station 65 IS;
- Portion 15 and 16 of Farm Onverwacht 70 IS; and
- Portion 2 of Farm Vlaklaagte 83 IS.

**Table 1: 21 Digit Codes**

T	0	I	S	0	0	0	0	0	0	0	0	0	0	8	4	0	0	0	0	4
T	0	I	S	0	0	0	0	0	0	0	0	0	0	6	9	0	0	0	1	0
T	0	I	S	0	0	0	0	0	0	0	0	0	0	6	9	0	0	0	1	1
T	0	I	S	0	0	0	0	0	0	0	0	0	0	6	9	0	0	0	1	2
T	0	I	S	0	0	0	0	0	0	0	0	0	0	6	9	0	0	0	1	3
T	0	I	S	0	0	0	0	0	0	0	0	0	0	6	9	0	0	0	1	5
T	0	I	S	0	0	0	0	0	0	0	0	0	0	6	9	0	0	0	1	7
T	0	I	S	0	0	0	0	0	0	0	0	0	0	6	9	0	0	0	3	0
T	0	I	S	0	0	0	0	0	0	0	0	0	0	6	5	0	0	0	0	0
T	0	I	S	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	1	5
T	0	I	S	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	1	6
T	0	I	S	0	0	0	0	0	0	0	0	0	0	8	3	0	0	0	0	0
<b>1</b>	<b>2</b>			<b>3</b>			<b>4</b>						<b>5</b>							

**APPENDIX 6  
PROJECT MAP**

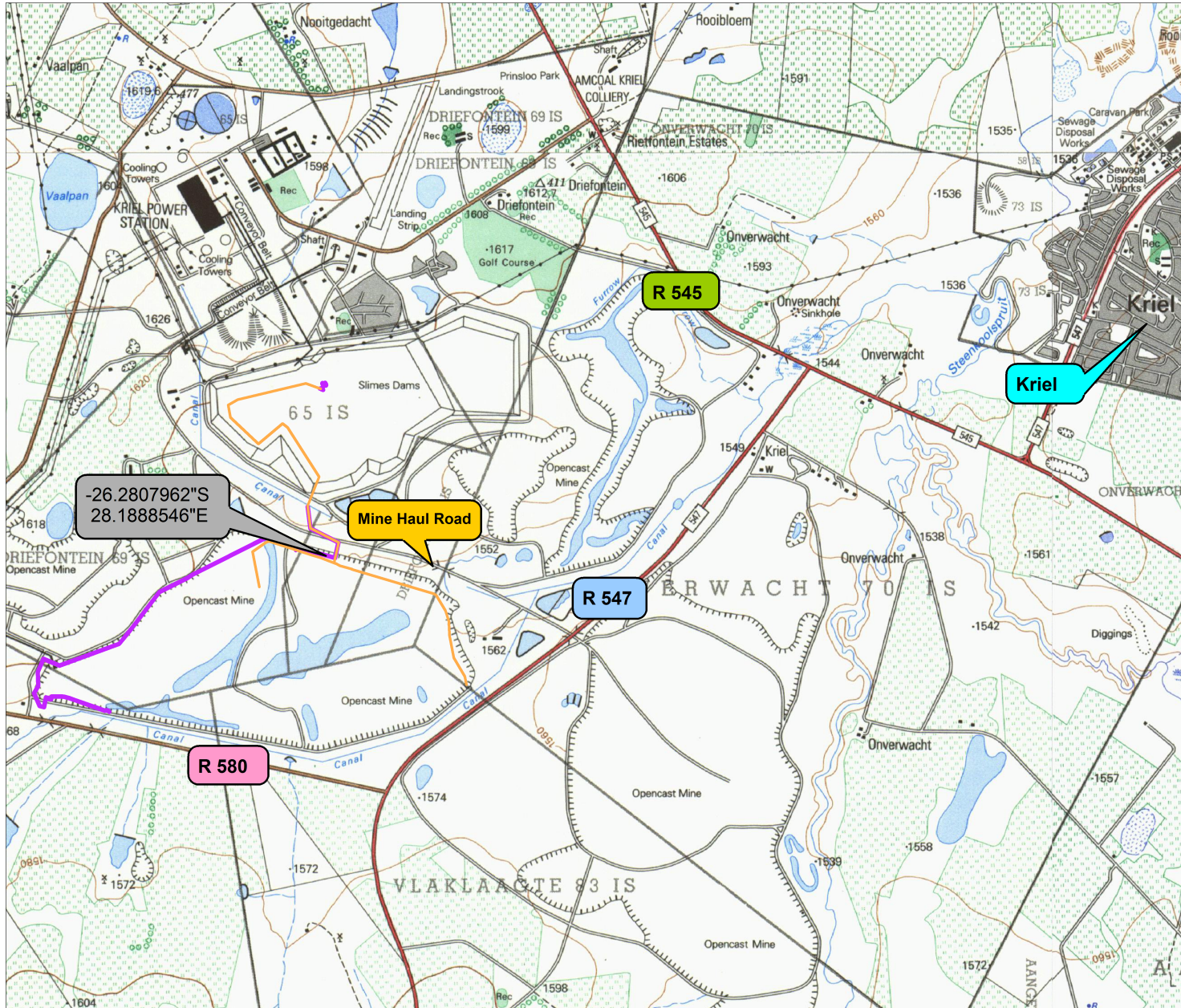


### Kriel-Matla Ash Transfer Link

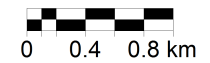
### Locality Map

#### Legend

- 1:50 000 Rasta
- Ash Water Return
- Pipeline Alternative Route 1
- Slurry Transfer
- Pipeline Alternative Route 2



Scale 1:45000





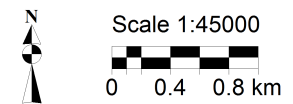
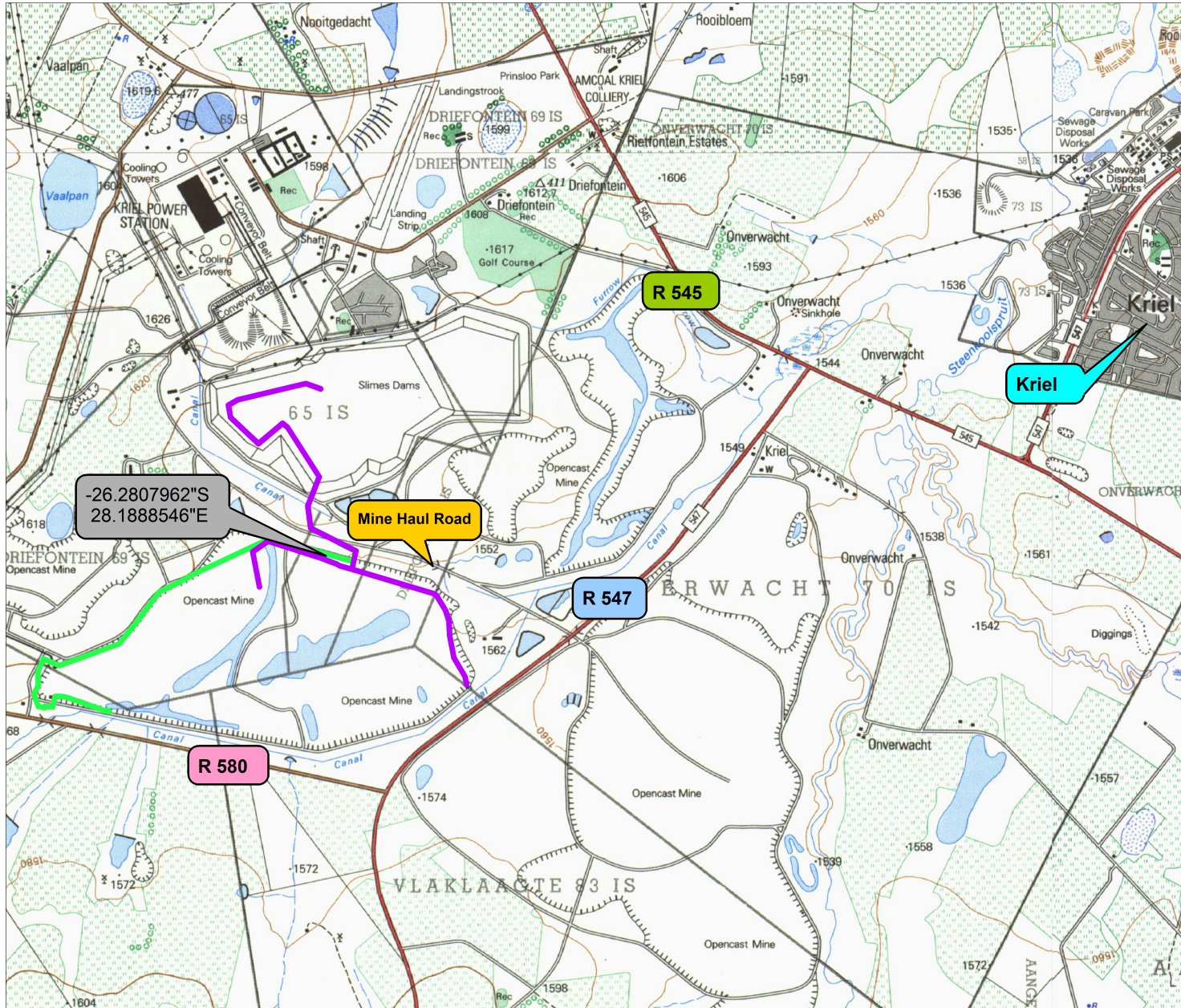


### Kriel-Matla Ash Transfer Link

### Locality Map

**Legend**

- 1:50 000 Rasta
- Ash Water Return
- Pipeline Alternative Route 2
- Slurry Transfer
- Pipeline Alternative Route 2





## Kriel-Matla Ash Transfer Link

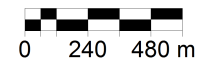
### Sensitivity Map

#### Legend

- Ash Water Return Pipeline Alternative Route 2
  - Slurry Transfer Pipeline Alternative Route 2
  - Ash Water Return Pipeline Alternative Route 1
  - Slurry Transfer Pipeline Alternative Route 1
- Vegetation**
- Star flower/African potato
- MBSP Terrestrial**
- CBA Irreplaceable
  - CBA Optimal
  - ESA Landscape corridor
  - ESA Local corridor
  - ESA Species Specific
  - Heavily modified
  - Moderately modified- Old lands
  - Other Natural Areas
  - Protected Areas
- Inland water**
- Dam
  - Perennial pan
- River**
- Non-perennial extent
  - Perennial extent
  - Non-perennial center line (lines)
  - Perennial center line
- Roads**
- Main Road
  - Secondary Road
  - Mine Haul Road



Scale 1:25000



**APPENDIX 7  
PROJECT SCHEDULE**



**10472- Kriel-Matla Ash Transfer Link Pipeline  
Basic Assessment Process**

ID	Task Name	Duration	Start	Finish	Predecessors	% Complete	August	September	October	November	December	January	February	March	April	May	June
1	<b>Kriel-Matla Ash Transfer Link Basic Assessment</b>	<b>16 days</b>	<b>Thu 30/07/15</b>	<b>Thu 20/08/15</b>		<b>100%</b>											
2	<b>Inception Process</b>	<b>16 days</b>	<b>Thu 30/07/15</b>	<b>Thu 20/08/15</b>		<b>100%</b>											
3	Inception Meeting	1 day	Thu 30/07/15	Thu 30/07/15		100%											
4	Information Request	5 days	Fri 31/07/15	Thu 06/08/15	3	100%											
5	Client Submission of Detailed Design Information	10 days	Fri 07/08/15	Thu 20/08/15	4	100%											
6	<b>Basic Assessment Process</b>	<b>90 days</b>	<b>Wed 19/08/15</b>	<b>Wed 13/01/16</b>		<b>61%</b>											
7	<b>Pre Application</b>	<b>25 days</b>	<b>Wed 19/08/15</b>	<b>Tue 22/09/15</b>		<b>100%</b>											
8	Confirmation of Waste - DEA	25 days	Wed 19/08/15	Tue 22/09/15		100%											
9	<b>Application Form</b>	<b>56 days</b>	<b>Fri 21/08/15</b>	<b>Fri 06/11/15</b>		<b>46%</b>											
10	Compilation of Application Form	18 days	Fri 21/08/15	Tue 15/09/15	5	100%											
11	Client First Review of Application form	3 days	Wed 16/09/15	Fri 18/09/15	10	100%											
12	Nemai to amend application form	1 day	Mon 21/09/15	Mon 21/09/15	11	100%											
13	Client Second Review of Application form	2 days	Tue 22/09/15	Wed 23/09/15	12	0%											
14	Signature of Application form	22 days	Mon 05/10/15	Tue 03/11/15	13	0%											
15	Printing of Application form (to be submitted as part of BAR)	2 days	Wed 04/11/15	Thu 05/11/15	14	0%											
16	<b>Specialist Studies</b>	<b>15 days</b>	<b>Mon 05/10/15</b>	<b>Fri 23/10/15</b>	5	<b>100%</b>											
17	Compilation of Specialist Studies (based on flowering plants dates)	15 days	Mon 05/10/15	Fri 23/10/15		100%											
18	<b>Compilation of Basic Assessment Report</b>	<b>28 days</b>	<b>Tue 20/10/15</b>	<b>Thu 26/11/15</b>	5	<b>84%</b>											
19	Compilation of Draft Basic Assessment Report	17 days	Wed 04/11/15	Thu 26/11/15	14	100%											
20	<b>Additional Information required</b>	<b>8 days</b>	<b>Tue 20/10/15</b>	<b>Thu 29/10/15</b>		<b>100%</b>											
21	<b>Finalisation of Draft BAR</b>	<b>1 day</b>	<b>Fri 30/10/15</b>	<b>Fri 30/10/15</b>	20	<b>100%</b>											
22	Client Review of Draft Basic Assessment Report	3 days	Fri 30/10/15	Tue 03/11/15	21, 55	0%											
23	Amend Draft BAR based on client review and print	2 days	Wed 04/11/15	Thu 05/11/15	22	0%											
24	<b>Initial Public Participation</b>	<b>24 days</b>	<b>Tue 06/10/15</b>	<b>Fri 06/11/15</b>		<b>83%</b>											
25	Compilation of IAP Database and Public Participation Material	14 days	Tue 06/10/15	Fri 23/10/15		100%											
26	<b>Review and Finalisation of PP Material</b>	<b>5 days</b>	<b>Mon 26/10/15</b>	<b>Fri 30/10/15</b>	25	<b>100%</b>											
27	Notification of IAPs	4 days	Tue 03/11/15	Fri 06/11/15	26	0%											
28	<b>Regulated Timeframes (90 days)</b>	<b>1 day</b>	<b>Wed 04/11/15</b>	<b>Wed 04/11/15</b>		<b>0%</b>											
29	Submission to DEA (please note that the final BAR will have to be submitted to DEA within 90 days of the application form receipt)	1 day	Fri 06/11/15	Fri 06/11/15	15	0%											
30	<b>Public Review of Draft Basic Assessment Report</b>	<b>23 days</b>	<b>Fri 06/11/15</b>	<b>Tue 08/12/15</b>		<b>0%</b>											
31	Public Review of Draft Basic Assessment Report and Application form	23 days	Fri 06/11/15	Tue 08/12/15	23	0%											
32	<b>Finalisation of BAR and Submission to DEA</b>	<b>10 days</b>	<b>Wed 09/12/15</b>	<b>Wed 13/01/16</b>		<b>0%</b>											
33	Amend Draft BAR based on public review	3 days	Wed 09/12/15	Fri 11/12/15	31	0%											
34	Client Review of Amended BAR	3 days	Tue 05/01/16	Thu 07/01/16	33	0%											
35	Amend based on Client Review	1 day	Fri 08/01/16	Fri 08/01/16	34	0%											
36	Client Second Review of Final BAR	2 days	Mon 11/01/16	Tue 12/01/16	35	0%											
37	Submission to DEA	1 day	Wed 13/01/16	Wed 13/01/16	36	0%											
38	<b>DEA Decision</b>	<b>80 days</b>	<b>Wed 13/01/16</b>	<b>Tue 03/05/16</b>		<b>0%</b>											
39	DEA review and decision	80 days	Wed 13/01/16	Tue 03/05/16	36	0%											
40	<b>Notification of IAPS of the Decision</b>	<b>12 days</b>	<b>Wed 04/05/16</b>	<b>Thu 19/05/16</b>		<b>0%</b>											
41	Notification of IAPs of the Decision	12 days	Wed 04/05/16	Thu 19/05/16	39	0%											

Project: 10472-20151020-BA Prog Date: Fri 30/10/15	Task	Summary	External Milestone	Inactive Summary	Manual Summary Rollup	Finish-only	Milestone
	Split	Project Summary	Inactive Task	Manual Task	Manual Summary	Deadline	Milestone
	Milestone	External Tasks	Inactive Milestone	Duration-only	Start-only	Progress	Milestone

**APPENDIX 8  
DECLARATION OF THE APPLICANT**

I, \_\_\_\_\_ 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.

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

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<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.

<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.

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Name of company (if applicable):

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Date:

**APPENDIX 9  
DECLARATION OF THE EAP**

I, VANESSA STIPPEL 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;

- ~~• I have a vested interest in the proposed activity proceeding, such vested interest being:~~

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Signature of the environmental assessment practitioner:

NEMAI CONSULTING

Name of company:

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Date: