



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

The Medupi Power Station Flue Gas Desulphurisation Retrofit Project

Indicate if the **DRAFT** report accompanies the application

Yes
No

Kindly note that:

1. This application form is current as of 1 April 2016. 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.
5. This application must be handed in at the offices of the National Department of Environmental Affairs where the Minister is the competent authority in respect of the application.
6. No faxed or e-mailed applications will be accepted. An electronic copy (in the form of a CD) 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 may become public information on receipt by the competent authority.
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:

E-mail: 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	
The applicant is an organ of state	X

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:

Payment Enquiries: Tel: 012 399 9119 Email: eiafee@environment.gov.za 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 Proof of payment must accompany the application form: Indicate reference number below. Tax exemption status: Status: Tax exempted Reference number: N/A.....

2. PROJECT DESCRIPTION

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

The Medupi Power Station is located west of Lephalale in the Limpopo Province of South Africa. The Power Station is the fourth dry-cooled, baseload station built in the last 20 years by South Africa's energy provider, Eskom. The planned operational life of Medupi Power Station is 50 years. The Medupi Power Station has been authorized, is currently in advanced phase of construction. Two power generation units have been commissioned to date.

The current project is for the retrofitting of Flue Gas Desulphurisation (FGD) technology to remove sulfur dioxide from the exhaust flue gases of the Medupi Power Station operations. Each of the six 800MW coal fired steam electric generating units will be retrofitted with FGD technology.

The FGD technology consists of wet limestone open spray tower FGD systems for each operating unit. Limestone will be sourced and stored on site for purposes of the FGD system. The FGD retrofit will require a mini-general overhaul (MGO) of the Power Station for installation.

Each FGD absorber will treat the flue gas from one boiler. The by-product of the FGD process is gypsum, and chemical salts and sludge. A cluster of 3 FGD absorbers will be located at each of the two Power Station chimneys. Systems for make-up water, reagent preparation, gypsum, dewatering and storage, disposal and/or treatment of waste water will be introduced for the 6 FGD absorbers.

The FGD system retrofit will include additional dampers and ductwork to divert the flue gas to the FGD absorbers and then return it to the chimney. The chimney flues are lined with corrosion-resistant liners to handle saturated flue gas resulting from the FGD process.

The FGD will be a Zero Effluent Liquid Discharge (ZLED) system, with wastes for disposal being primarily gypsum, and sludge and salts from the clarifier. Gypsum and ash (both Type 3 wastes) will be disposed together on the existing Ash Disposal Facility (ADF). The existing ADF has a Water Use license for the first four (4) years of operation. However, gypsum will only be produced from year six (6) of operation. Therefore, new licenses for water uses as well as waste management will be applied for the extended disposal facility from year 6. The sludge and salts will also be produced from the FGD from year 6 of operation of the Power Station. FGD Sludge and salts (Type 1 wastes) will be trucked to an appropriately licensed Hazardous Waste Facility for disposal for the first 5 years of operation of the FGD infrastructure. It is anticipated that during this period Eskom will have assessed, licensed and constructed an appropriate Hazardous Waste Disposal Facility to receive Type 1 and Type 3 wastes. In the event that this facility is not ready at the end of the 5 year period, continuation of the trucking operation will continue until such time a facility has been approved and operational.

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**

Is the project subject to the Integrated Resource Plan 2010 – 2030 (IRP) bidding process?		NO
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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.	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:	

3. GENERAL INFORMATION

Applicant name:	Eskom Holdings SOC Limited		
Registration number (if applicant is a company):	2002/015527/06		
Trading name (if any):	Eskom Holdings SOC Limited		
BBBEE status	Level Three Contributor		
Responsible person name (If the applicant is a company):	Ms Deidre Herbst		
Applicant/ Responsible person ID number:	6603060573081		
Responsible position, e.g. Director, CEO, etc.:	Eskom Environmental Manager		
Physical address:	Eskom Megawatt Park, 1 Maxwell Drive Sunninghill, Johannesburg		
Postal address:	P.O. Box 1091 Sunninghill, Johannesburg		
Postal code:	2157	Cell:	(083) 660 1147
Telephone:	(011) 800 3501	Fax:	(086) 660 6092
E-mail:	HerbstDL@eskom.co.za		

Provincial Authority:	Limpopo Economic Development, Environment & Tourism		
Contact person:	RV Mthombeni		
Postal address:	Private Bag X 9484, POLOKWANE		
Postal code:	0699	Cell:	(071) 558 1187
Telephone:	(015) 293 7057	Fax:	(015) 295 5015
E-mail:	mthombenirv@ledet.gov.za		

Local municipality:	Lephalale Local Municipality		
Contact person:	Edith Tukakgomo (Personal Assistant: Riekie Coetzee)		
Postal address:	P.O. Box X136, Lephalale		
Postal code:	0555	Cell:	N/A
Telephone:	(014) 763 2193	Fax:	(086) 536 3506
E-mail:	riekie.coetzee@lephalale.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:	Rudi Van Der Wal		
Postal address:	Private Bag X9003		
Postal code:	0555	Cell:	(082) 924 7485
Telephone:	(014) 762 6010	Fax:	(086) 668 4146
E-mail:	VDWalRW@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**. Unless the application is in respect of linear activities or strategic integrated projects as contemplated in the Infrastructure Development Act, 2014, **written consent** of landowner/s must be submitted in **Appendix 4**.

Identified Competent Authority to consider the application:	Department of Environmental Affairs (National)
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Reason(s) in terms of S24C of NEMA 1998 as amended:

The proposed project has implications relating to international environmental commitments or relations and the applicant is an organ of state (Parastatal).

4. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

EAP company name:	Zitholele Consulting (Pty) Ltd			
B-BBEE	Contribution level (indicate 1 to 8 or non compliant)	Level 2 Contributor	Percentage Procurement recognition	N/A
Professional affiliation/registration:	Pr. Sci. Nat. (SACNASP)			
Contact person:	Mathys Vosloo			
Company:	Zitholele Consulting (Pty) Ltd			
Physical address:	Building 1, Maxwell Office Park, Magwa Crescent West, Waterfall City, Midrand, RSA			
Postal address:	P.O. Box 6002, Halfway House			
Postal code:	1685	Cell:	(084) 748 3018	
Telephone:	(011) 270 2079	Fax:	(086) 674 6121	
E-mail:	mathysv@zitholele.co.za			

The appointed EAP must meet the requirements of Regulation 13 of GN R.982, dated December 2014. The declaration of independence of the EAP and undertaking under oath or affirmation that all the information submitted or to be submitted for the purposes of the application is true and correct must be submitted as **Appendix 9**.

5. SITE DESCRIPTION

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

Province	Limpopo	Limpopo	Limpopo
District Municipality	Waterberg District Municipality	Waterberg District Municipality	Waterberg District Municipality
Local Municipality	Lephalale Local Municipality	Lephalale Local Municipality	Lephalale Local Municipality
Ward number(s)	Ward 3	Ward 3	Ward 3
Nearest town(s)	Lephalale	Lephalale	Lephalale
Farm name(s) and number(s)	Naauw Ontkomen 509 LQ	Eenzaamheid 687 LQ	Kromdraai 690 LQ
Portion number(s)	0	0	0

Surveyor General 21 digit code

(If there are more than 4, please attach a list with the rest of the codes as **Appendix 5**. Where the 21 digit SGID and farm name are not available, the coordinates of the boundary of the property or properties must be provided in **Appendix 5**.)

T	0	L	Q	0	0	0	0	0	0	0	0	0	5	0	9	0	0	0	0	0
T	0	L	Q	0	0	0	0	0	0	0	0	0	6	8	7	0	0	0	0	0
T	0	L	Q	0	0	0	0	0	0	0	0	0	6	9	0	0	0	0	0	0
1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	0
Are there any other applications for Environmental Authorisation on the same property?																	YES	<input type="checkbox"/>		
If YES, please indicate the following:																				
Competent Authority		Department of Environmental Affairs																		
Reference Number		12/12/20/695																		

Project Name	Construction of the proposed Eskom Holdings Limited: Generation Division 4800MW coal fired power station and associated infrastructure near Lephalale.
Please provide details of the steps taken to ascertain this information:	
<p>The Record of Decision was obtained from the applicant. The EIA process was conducted by Bohlweki Environmental (as independent consultants), and the study was separated into:</p> <p>Phase 1: Environmental Scoping Study, Phase 2: Environmental Impact Assessment</p> <p>Applications were sent through on the 21 of November 2005 and the Final EIR sent 22 May 2006 to the National Department of Environmental Affairs and Tourism (DEAT).</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.

Detailed description of listed activities associated with the project	
Listed activity as described in GN R 544, 545 and 546	Description of project activity that triggers listed activity
<i>e.g. GN R.983 Item XX(x): The development of bridge exceeding 100 square metres in size within a watercourse</i>	<i>e.g. A bridge measuring 110 square metres will be constructed within the watercourse</i>

It must be noted that the original application was undertaken as an Integrated EIA/WML application in terms of EIA regulations of 2010 (DEA REF: 14/12/16/3/3/110). However, subsequent to the Scoping Phase the need to fast track the application in order to ensure compliance with the Medupi Power Station Air Emissions License conditions necessitated changes to the application packaging resulting in the Integrated EIA/WML application changing to a standard EIA application for NEMA listed activities only. The table below shows the listed activities in terms of the EIA regulations of 2010 and 2014, as amended in 2017.

Activity listed in GN R.544 – 546 (2010)	Activity listed in GN R.325 & 327 (2017)	Applicability of the project activities to the Listed Activities
GN R.544, Activity 9 The construction of facilities or infrastructure exceeding 1000 metres in length for the bulk transportation of water, sewage or storm water - (i) with an internal diameter of 0,36 metres or more.	GN R.327, Activity 9 The development of infrastructure exceeding 1000 metres in length for the bulk transportation of water or storm water - (i) with an internal diameter of 0,36 metres or more.	Construction of clean and dirty water infrastructure associated with the rail yard and FGD infrastructure will be greater than 360mm and 1km in length.
GN R.544, Activity 11 The construction of (xi) infrastructure or structures covering 50 square metres or more, where such construction occurs within a watercourse or within 32 metres of a	GN R.327, Activity 12 The development of (ii) infrastructure or structures with a physical footprint of 100 square metres or more; where such development occurs- (a) within a watercourse; or	Construction of the proposed railyard / rail siding take-of point from the existing Thabazimbi – Lephalale mainline will occur within 32m of the wetlands identified bordering the existing railway line, while construction of

Activity listed in GN R.544 – 546 (2010)	Activity listed in GN R.325 & 327 (2017)	Applicability of the project activities to the Listed Activities
watercourse, measured from the edge of a watercourse, excluding where such construction will occur behind the development setback line.	(c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse <i>(Exclusions not applicable)</i>	the railyard infrastructure, gypsum and limestone handling facilities and proposed pollution control dam will occur within 32m of an existing pan located on the western border of the railyard development area.
GN R.544, Activity 18 The infilling or depositing of any material of more than 5 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 5 cubic metres from: (i) a watercourse.	GN R.327, Activity 19 The infilling or depositing of any material of more than 10 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 10 cubic metres from a watercourse.	Infilling or excavation of more than 10m ³ within a watercourse will occur during construction of the rail yard and associated infrastructure.
GN R.544, Activity 22 <u>The construction of a road, outside urban areas, (ii) where no reserve exists where the road is wider than 8 metres.</u>	GN R.327, Activity 24 <u>The development of a road - (ii) with a reserve wider than 13,5 meters, or where no reserve exists where the road is wider than 8 metres; but excluding a road - (a) which is identified and included in activity 27 in Listing Notice 2 of 2014; (b) where the entire road falls within an urban area; or (c) which is 1 kilometre or shorter.</u>	<u>The proposed roads servicing the railway yard / rail siding, limestone stockpile and temporary gypsum storage facility will be more than 8 m wide and 1km in length when considering the road surface area and shoulder of the road.</u>
Activity no 55A listed in GN R.544 The construction of facilities for the treatment of effluent, wastewater or sewage with a daily throughput capacity of more than 2000 cubic meters but less than 15000 cubic meters.	GN R.327, Activity 25 The development and related operation of facilities or infrastructure for the treatment of effluent, wastewater or sewage with a daily throughput capacity of more than 2 000 cubic metres but less than 15 000 cubic metres.	The proposed WWTP, which will be operated as a Zero Liquid Effluent Discharge (ZLED) plant to treat wastewater originating from the FGD infrastructure, will have a daily throughput capacity of more than 2 000 m ³ but less than 15 000 m ³ .
GN R.544, Activity 22 <u>The expansion of or changes to existing facilities for any process or activity where such expansion or changes to will result in the need for a permit or license in terms of national or provincial legislation governing the release of emissions or pollution, excluding where the facility, process or activity is included in the list of waste management activities published in terms of section 19 of the National Environmental Management: Waste Act, 2008</u>	GN R.327, Activity 34 <u>The expansion of existing facilities or infrastructure for any process or activity where such expansion will result in the need for a permit or licence or an amended permit or licence in terms of national or provincial legislation governing the release of emissions, effluent or pollution, excluding - (i) where the facility, infrastructure, process or activity is included in the list of waste management activities published in terms of section 19 of the National</u>	<u>Medupi Power Station's existing provisional AEL will require an amendment due to the storage and handling of limestone on site and the additional storage of fuel at the railway siding workshops and FGD development footprint. The additional storage of fuel is considered an expansion of the existing fuel storage capacity within the Medupi Power Station footprint.</u>

Activity listed in GN R.544 – 546 (2010)	Activity listed in GN R.325 & 327 (2017)	Applicability of the project activities to the Listed Activities
<u>(Act No. 59 of 2008) in which case that Act will apply.</u>	<u>Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) in which case the National Environmental Management: Waste Act, 2008 applies; (ii) the expansion of existing facilities or infrastructure for the treatment of effluent, wastewater, polluted water or sewage where the capacity will be increased by less than 15 000 cubic metres per day; or (iii) the expansion is directly related to aquaculture facilities or infrastructure where the wastewater discharge capacity will be increased by 50 cubic meters or less per day.</u>	
<p>GN R.545, Activity 3 The construction of facilities or infrastructure for the storage, or storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of more than 500 cubic metres.</p>	<p>GN R.325, Activity 4 The development and related operation of facilities or infrastructure, for the storage, or storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of more than 500 cubic metres.</p>	<p>The construction of facilities or infrastructure for the handling, storage, and transportation (conveyance) of gypsum, WWTP salts and sludge (~1420m³), diesel and chemical substances that will be stored and used in the rail yard workshops within the FGD footprint and rail yard will cumulatively be more than 500m³.</p>
<p>GN R545, Activity 5 The construction of facilities or infrastructure for any process or activity which requires a permit or licence in terms of national or provincial legislation governing the generation or release of emissions, pollution or effluent and which is not identified in Notice 544 of 2010 or included in the list of waste management activities published in terms of section 19 of the National Environmental Management: Waste Act, 2008 (Act 59 of 2008) in which case that Act will apply.</p>	<p>GN R.325, Activity 6 The development of facilities or infrastructure for any process or activity which requires a permit or licence or an amended permit or licence in terms of national or provincial legislation governing the generation or release of emissions, pollution or effluent. <i>(Exclusions not applicable)</i></p>	<p>A new Water Use Licence will be required to support the project (as part of the station); an amendment or variation of the station's Atmospheric Emission Licence will be required; and the Waste Management Licence for the Ash Disposal Facility will be required. All these permits are affected by the proposed FGD development.</p>
<p>GN R.545, Activity 6 The construction of facilities or infrastructure for the bulk transportation of dangerous goods – (iii) in solid form, outside an industrial complex, using funiculars or conveyors with a throughput capacity of</p>	<p>GN R.325, Activity 7 The development and related operation of facilities or infrastructure for the bulk transportation of dangerous goods – (iii) in solid form, outside an industrial complex, using funiculars or conveyors</p>	<p>The operation and transportation (conveyance) of gypsum, WWTP salts and sludge, diesel and chemical substances that will be stored and used in the rail yard workshops within the FGD footprint and rail yard will be more than 50 tons per day.</p>

Activity listed in GN R.544 – 546 (2010)	Activity listed in GN R.325 & 327 (2017)	Applicability of the project activities to the Listed Activities
more than 50 tons day.	with a throughput capacity of more than 50 tons per day	
GN R.545, Activity 11 The construction of railway lines, stations or shunting yards.	GN R.325, Activity 12 The development of railway lines, stations or shunting yards.	The construction of a railway tie-in line and yard for purposes of transport of products to the Power Station and waste products from the Power Station.
GN R.545, Activity 15 Physical alteration of undeveloped, vacant or derelict land for residential, retail, commercial, recreational, industrial or institutional use where the total area to be transformed is 20 hectares or more.	GN R.325, Activity 15 The clearance of an area of 20 hectares or more of indigenous vegetation.	The total development footprint of the railway yard and associated infrastructure will be greater than 20ha, therefore the clearance of more than 20ha indigenous vegetation will be required.
GN R.546, Activity 4 <u>The construction of a road wider than 4 metres with a reserve less than 13.5 metres, (a) in Limpopo province: ii. In (ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.</u>	GN R.324, Activity 4 <u>The construction of a road wider than 4 metres with a reserve less than 13.5 metres, (e) in Limpopo province: ii. In (ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.</u>	<u>The southwestern extent of the railway yard development area, which provides for the runoff railway line from the main railway line, is located within a critical biodiversity area as identified in Waterberg District Bioregional Plan, which was developed from the Limpopo Conservation Plan (C-Plan) version 2. Some of the service roads within this area will be wider than 4 metres with a reserve less than 13.5 metres.</u>
GN R.546, Activity 12 <u>The clearance of an area of 300 square metres or more of vegetation where 75% or more of the vegetative cover constitutes indigenous vegetation, (b) Within critical biodiversity areas identified in bioregional plans.</u>	GN R.324, Activity 12 <u>The clearance of an area of 300 square metres or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan, in e. Limpopo: ii. Within critical biodiversity areas identified in bioregional plans.</u>	<u>The southwestern extent of the railway yard development area, which provides for the runoff railway line from the main railway line, is located within a critical biodiversity area as identified in Waterberg District Bioregional Plan, which was developed from the Limpopo Conservation Plan (C-Plan) version 2. The clearance of vegetation to allow construction of the runoff railway line and associated infrastructure, including a service road, will be more than 300m², while the vegetation is largely intact natural vegetation.</u>
GN R.546, Activity 13 <u>The clearance of an area of 1 hectare or more of vegetation where 75% or more of the vegetative cover constitutes indigenous vegetation [exclusions (1) and (2) not</u>	Activity removed from Listing Notice 3 (GN R.324)	<u>The southwestern extent of the railway yard development area, which provides for the runoff railway line from the main railway line, is located within a critical biodiversity area as identified in Waterberg District Bioregional</u>

Activity listed in GN R.544 – 546 (2010)	Activity listed in GN R.325 & 327 (2017)	Applicability of the project activities to the Listed Activities
<u>applicable], in (a) Critical biodiversity areas and ecological support areas as identified in systematic biodiversity plans adopted by the competent authority.</u>		Plan, which was developed from the Limpopo Conservation Plan (C-Plan) version 2. The clearance of vegetation to allow construction of the runoff railway line and associated infrastructure, including a service road, will be more than 300m ² , while the vegetation is largely intact natural vegetation. This listed activity has however been removed from GN R.324.
GN R.546, Activity 14 The clearance of an area of 5 hectares or more of vegetation where 75% or more of the vegetative cover constitutes indigenous vegetation (<i>Exclusions not applicable</i>), (a) In Limpopo, in (i) All areas outside urban areas	Activity removed from Listing Notice 3 (GN R.324)	The area where construction of the rail yard and associated infrastructure will occur falls outside an urban area and will result the clearance of 5ha of indigenous vegetation.
GN R.546, Activity 16 <u>The construction of: (iv) infrastructure covering 10 square metres or more, where such construction occurs within a watercourse or within 32 metres of a watercourse, measured from the edge of a watercourse, excluding where such construction will occur behind the development setback line, in (a) Limpopo: ii. Outside urban areas, in: (ff) Critical biodiversity areas or ecosystem service areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.</u>	GN R.324, Activity 14 <u>The development of - (ii) infrastructure or structures with a physical footprint of 10 square metres or more; where such development occurs - (c) if no development setback has been adopted, within 32 metres of a watercourse, measured from the edge of a watercourse [exclusions not applicable], in e. Limpopo, i. Outside urban areas: in (ff) Critical biodiversity areas or ecosystem service areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.</u>	<u>The southwestern extent of the railway yard development area, which provides for the runoff railway line from the main railway line, is located within a critical biodiversity area as identified in Waterberg District Bioregional Plan, which was developed from the Limpopo Conservation Plan (C-Plan) version 2. The runoff railway line and associated infrastructure, including service road, will cover an area greater than 10m² and will be located within 32m of a wetland area as identified by the wetland specialist</u>

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.

The EIA was initiated and undertaken in terms of the EIA regulations of 2010, and therefore details of the public participation process proposed for the application as required by Regulation 54(2) of GN R .543, dated June 2010 is provided below.

2. (a) fixing a notice board at a place conspicuous to the public at the boundary or on the fence of -	
(i) the site where the activity to which the application relates is or is to be undertaken; and	Yes
(ii) any alternative site mentioned in the application	Yes
(b) giving written notice to –	
(i) the owner or person in control of that land if the applicant is not the owner or person in control of the land;	Yes
(ii) the occupiers of the site where the activity is or is to be undertaken or to any alternative site where the activity is to be undertaken;	Yes
(iii) owners and occupiers of land adjacent to the site where the activity is or is to be undertaken or to any alternative site where the activity is to be undertaken;	Yes
(iv) the municipal councillor of the ward in which the site or alternative site is situated and any organisation of ratepayers that represent the community in the area;	Yes
(v) the municipality which has jurisdiction in the area;	Yes
(vi) any organ of state having jurisdiction in respect of any aspect of the activity; and	Yes
(vii) any other party as required by the competent authority;	Yes
(c) placing an advertisement in -	
(i) one local newspaper; or	Yes
(ii) any official <i>Gazette</i> that is published specifically for the purpose of providing public notice of applications or other submissions made in terms of these Regulations;	No
(d) placing an advertisement in at least one provincial newspaper or national newspaper, if the activity has or may have an impact that extends beyond the boundaries of the metropolitan or local municipality in which it is or will be undertaken: Provided that this paragraph need not be complied with if an advertisement has been placed in an official <i>Gazette</i> referred to in subregulation (c) (ii); and	No
(e) using reasonable alternative methods, as agreed to by the competent authority, in those instances where a person is desiring of but unable to participate in the process due to –	Yes
(i) illiteracy – <i>Load hailing was used and live read on Lephale FM that covered Steenbokpan and Marapong communities. Live read could not be done during the EIR phase as Lephale FM was not broadcasting anymore due to suspension of its broadcasting licence. An alternative radio station that covered the area were not found.</i>	
(ii) disability; or (iii) any other disadvantage.	

8. OTHER AUTHORISATIONS REQUIRED

LEGISLATION	AUTHORISATION REQUIRED		APPLICATION SUBMITTED	
SEMs				
National Environmental Management: Air Quality Act		NO		NO
National Environmental Management: Biodiversity Act		NO		NO
National Environmental Management: Integrated Coastal Management Act		NO		NO

National Environmental Management: Protected Areas Act		NO		NO
National Environmental Management: Waste Act	YES		YES	
National legislation				
Mineral Petroleum Development Resources Act		NO		NO
National Water Act	YES		YES	
National Heritage Resources Act	YES		YES	
Others: Please specify		NO		NO

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

The original application was undertaken as an Integrated EIA/WML application in terms of EIA regulations of 2010 (DEA REF: 14/12/16/3/3/110). However, subsequent to the Scoping Phase the need to fast track the application in order to ensure compliance with the Medupi Power Station Air Emissions License conditions necessitated changes to the application packaging resulting in the Integrated EIA/WML application changing to a standard EIA application for NEMA listed activities only.

Approvals for waste management activities associated with the Medupi FGD infrastructure will be managed through an application for variation of the Medupi Power Station's existing Waste Management Licence for the ADF, while storage of salts and sludge (both Type 1 wastes) will be managed in terms of the National Norms and Standards for the Storage of Waste (GN 926 of 29 November 2013).

Note that in terms of sections 7B and 7C of the National Environmental Management: Integrated Coastal Management Act, 2008 (Act No. 24 of 2008) ICMA, a pre-approval for a reclamation application in terms of the ICMA should first be issued by the Minister prior to the submission of a NEMA Chapter 5 EA application to the NEMA competent authority (CA).

9. LIST OF APPENDICES

		SUBMITTED	
Appendix 1	Proof of Payment		NO
Appendix 2	Strategic Infrastructure Projects	YES	
Appendix 3	List of Local Municipalities (with contact details)		N/A
Appendix 4	List of land owners (with contact details) and written consent of land owners.		NO
Appendix 5	List of SGIDs		N/A
Appendix 6	Project map	YES	
Appendix 7	Project schedule	YES	
Appendix 8	Declaration of Applicant	YES	
Appendix 9	Declaration of EAP and undertaking under oath or affirmation	YES	

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

This is not applicable as the applicant is an Organ of State (Parastatal)

APPENDIX 2 STRATEGIC INFRASTRUCTURE PROJECTS

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 (IF APPLICABLE)
LIST OF LOCAL MUNICIPALITIES**

Not Applicable – Only Lephalale Local Municipality is affected.

**APPENDIX 4
LIST OF LAND OWNERS
WRITTEN CONSENT OF LAND OWNERS**

Not Applicable

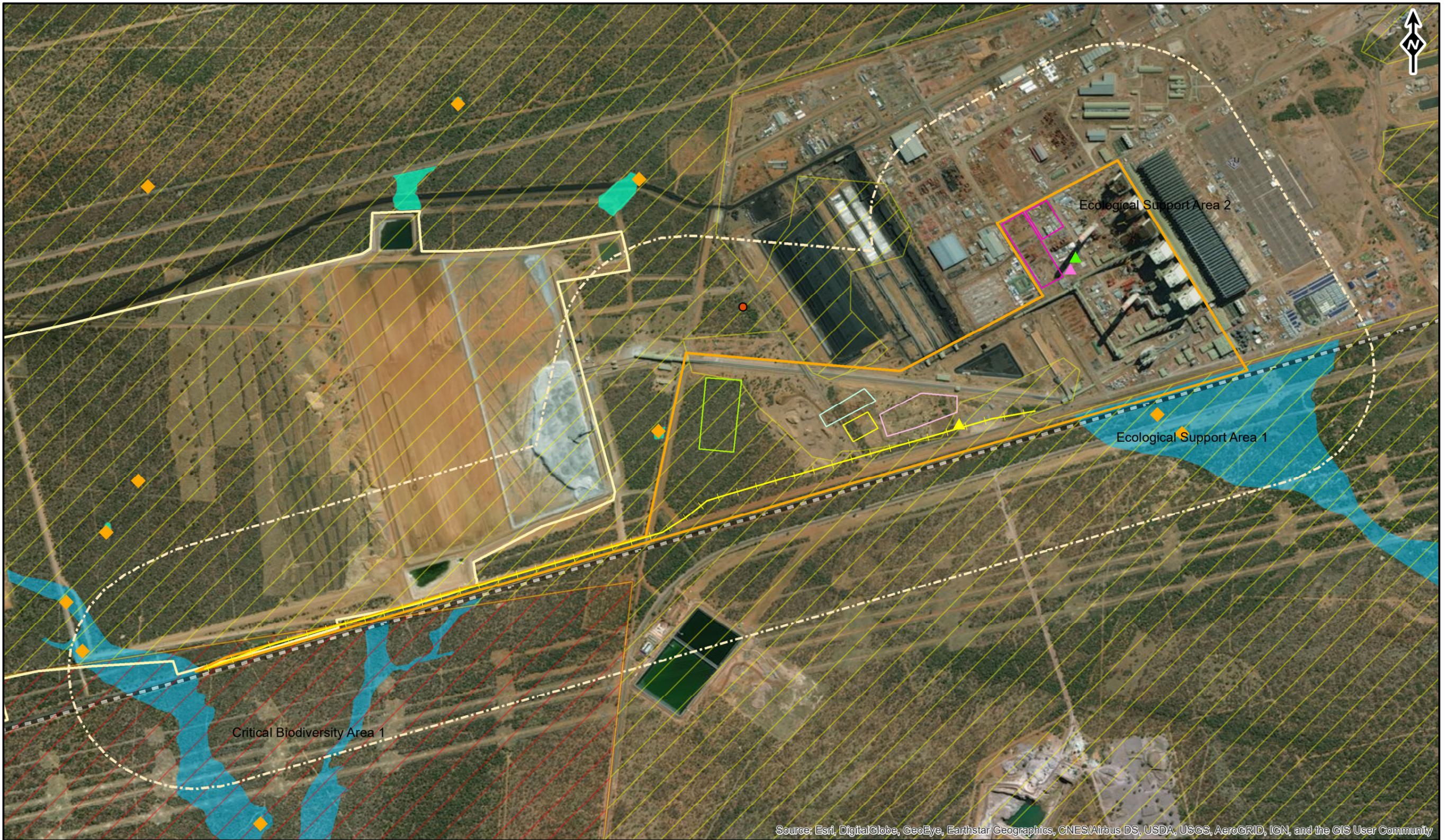
The applicant, Eskom Holdings SOC Limited, is the owner of the land and this project fall under strategic integrated projects as contemplated in the Infrastructure Development Act, 2014. Therefore, written landowner consent is not required.

APPENDIX 5 (IF APPLICABLE)
LIST OF SGIDS / COORDINATES OF THE BOUNDARY OF THE PROPERTY OR PROPERTIES
(WHERE SGID AND FARM NAME ARE NOT AVAILABLE)

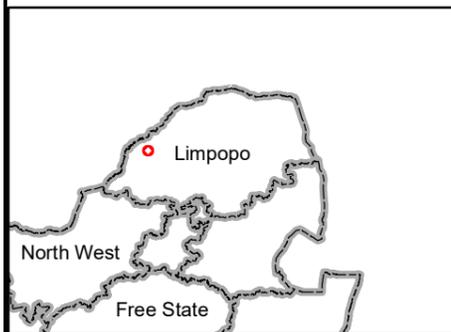
Not Applicable

**APPENDIX 6
PROJECT MAP**

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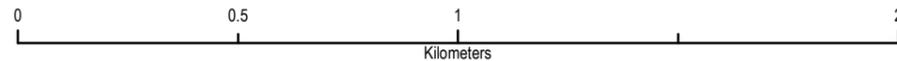


Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



LEGEND

- | | | | | |
|---------------------------|----------------------|------------------------------|----------------------|------------------------------|
| Medupi Power Station | Runoff_railway_line | Salt & Sludge Waste Facility | Pans | Critical Biodiversity Area 1 |
| Matimba Power Station | FGD 500m Buffer | PCD210 (Primary) | Wetlands | Ecological Support Area 1 |
| FGD Development Area | Diesel_Storage_Area1 | PCD (Secondary) | Bullfrog sites | |
| ADF Footprint Boundary | Diesel_Storage_Area2 | Limestone_Storage_Area | Possible Grave Sites | |
| Thabazimbi-Lephalale Rail | Diesel_Storage_Area3 | Gypsum_Storage_Area | | |



REFERENCE

PROJECTION GCS WGS 1984

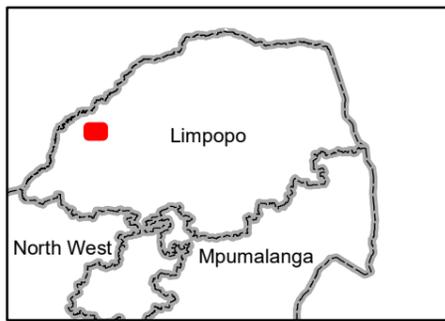
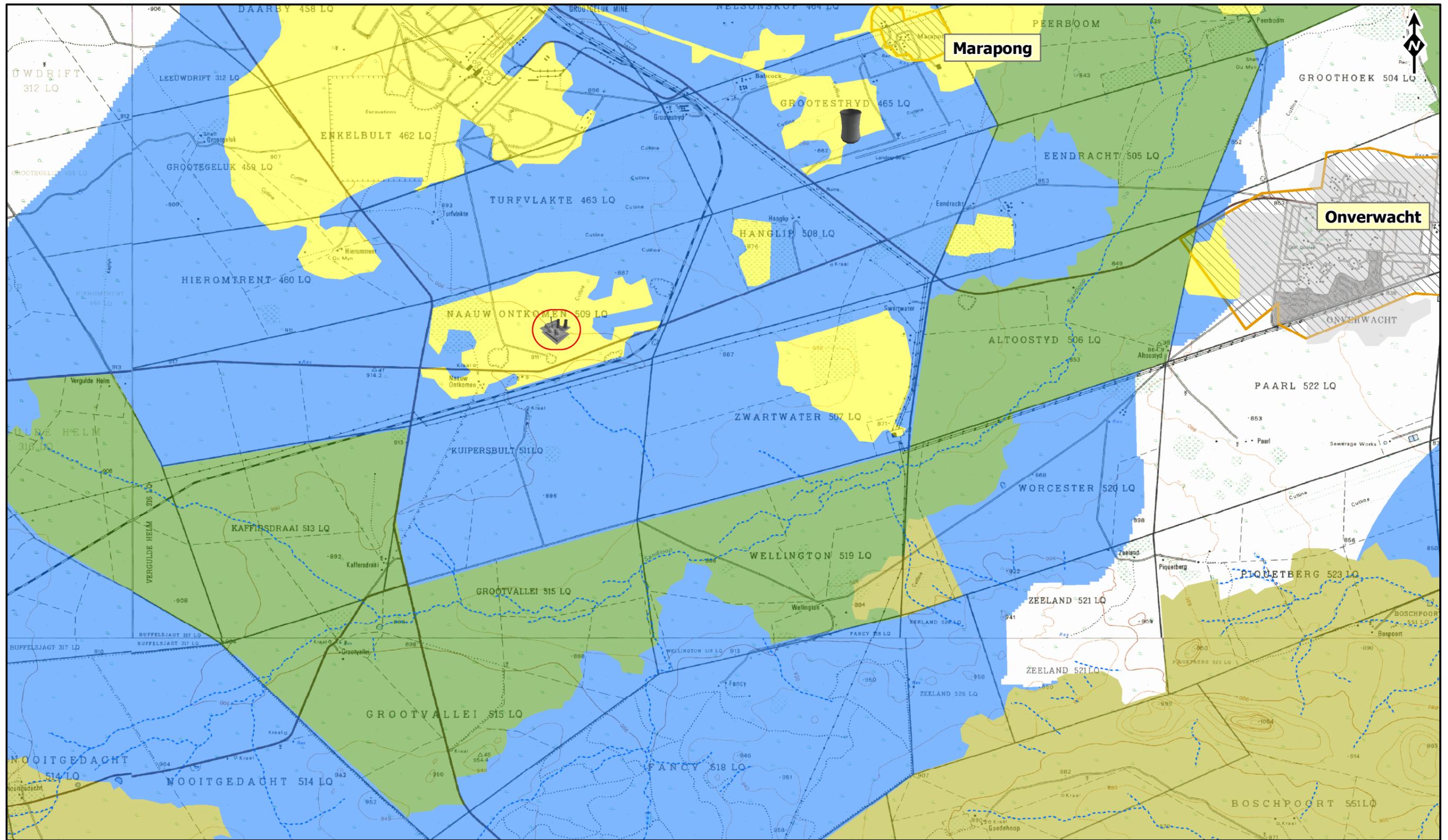
PROJECT
MEDUPI FGD RETROFIT PROJECT EIA

TITLE
ENVIRONMENTAL SENSITIVITY OVERLAY MAP



GIS	MV	22/05/2018	PROJECT No. 12949
CHECK	TM	22/05/2018	SCALE 1:16 053
REVIEW	-	22/05/2018	A3 REV 0

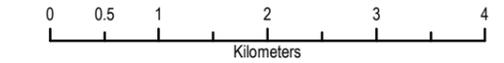
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LEGEND

-  Medupi Power Station
-  Matimba Power Station
- LCPv2_CBA_Layer**
- CBA Category**
-  Protected Area
-  Critical Biodiversity Area 1
-  Critical Biodiversity Area 2
-  Ecological Support Area 1
-  Ecological Support Area 2
-  Other Natural
-  No Natural Remaining
-  Communities
-  Perennial Rivers
-  Non Perennial Rivers

RESOURCES/NOTES



REFERENCE

PROJECTION GCS WGS 1984

PROJECT

MEDUPI FGD RETROFIT PROJECT

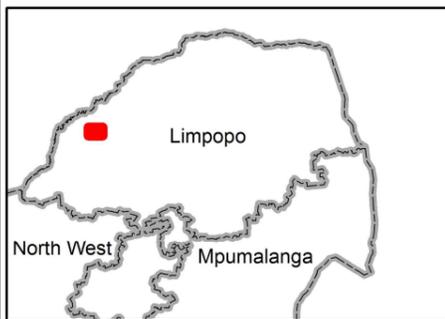
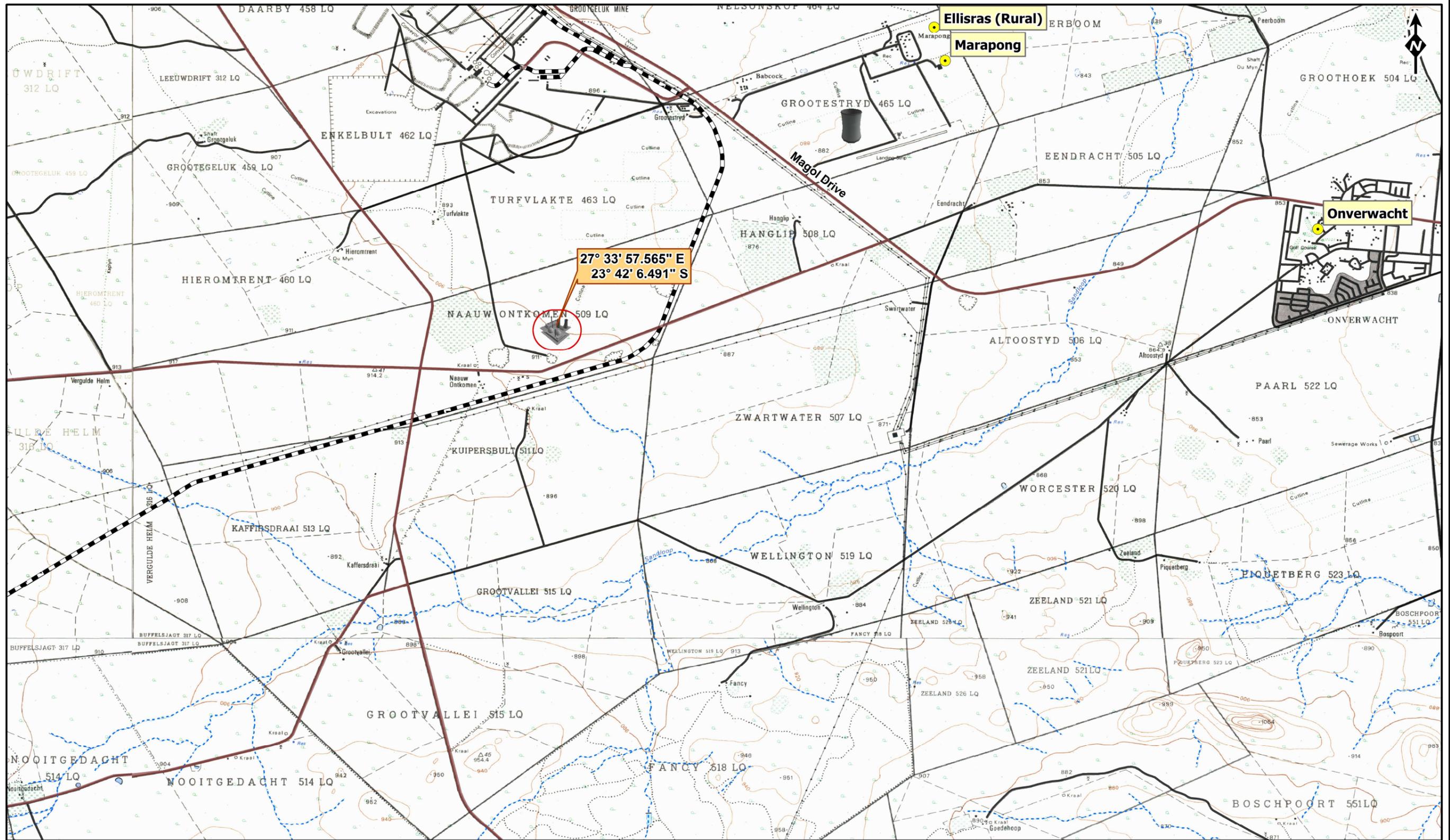
TITLE

LIMPOPO CONSERVATION PLAN V2 MAP



GIS	MV	26/03/2018	PROJECT No. 12949
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REVIEW	-	26/03/2018	A3 REV 0

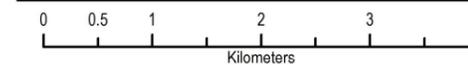
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LEGEND

- Place Names
- Medupi Power Station
- Matimba Power Station
- ROADS**
- Regional road
- Main road
- Secondary road
- Streets and other access
- Rail
- - - Non Perennial Rivers
- Perennial Rivers

RESOURCES/NOTES



PROJECT

MEDUPI FGD

TITLE

LOCALITY MAP

REFERENCE

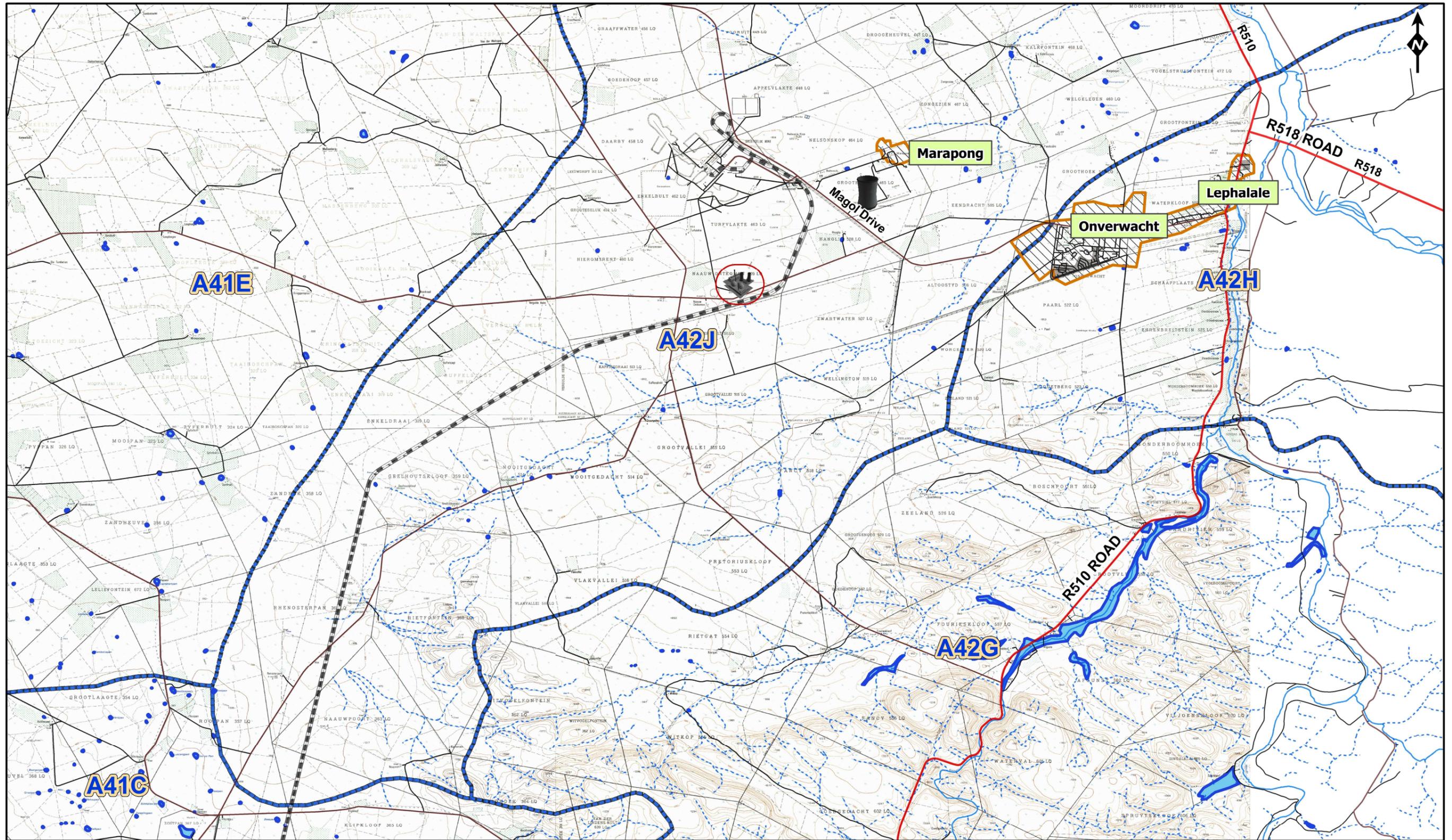
PROJECTION GCS WGS 1984

DRAFT



GIS	VR	23/04/2014	PROJECT No. 12949
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REVIEW	-	23/04/2014	A3 REV 0

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LEGEND

- Medupi Power Station
- Matimba Power Station
- Regional road
- Main road
- Secondary road
- Streets and other access
- Rail
- Non Perennial Rivers
- Perennial Rivers
- Communities
- Waterbodies
- Quarternary Catchments

RESOURCES/NOTES



REFERENCE

PROJECTION GCS WGS 1984

PROJECT

MEDUPI FGD

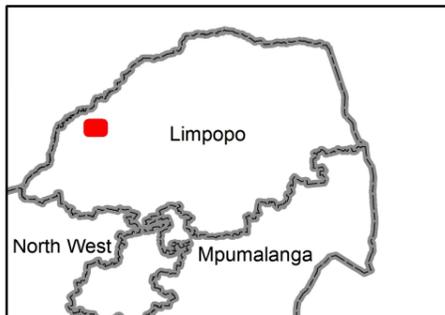
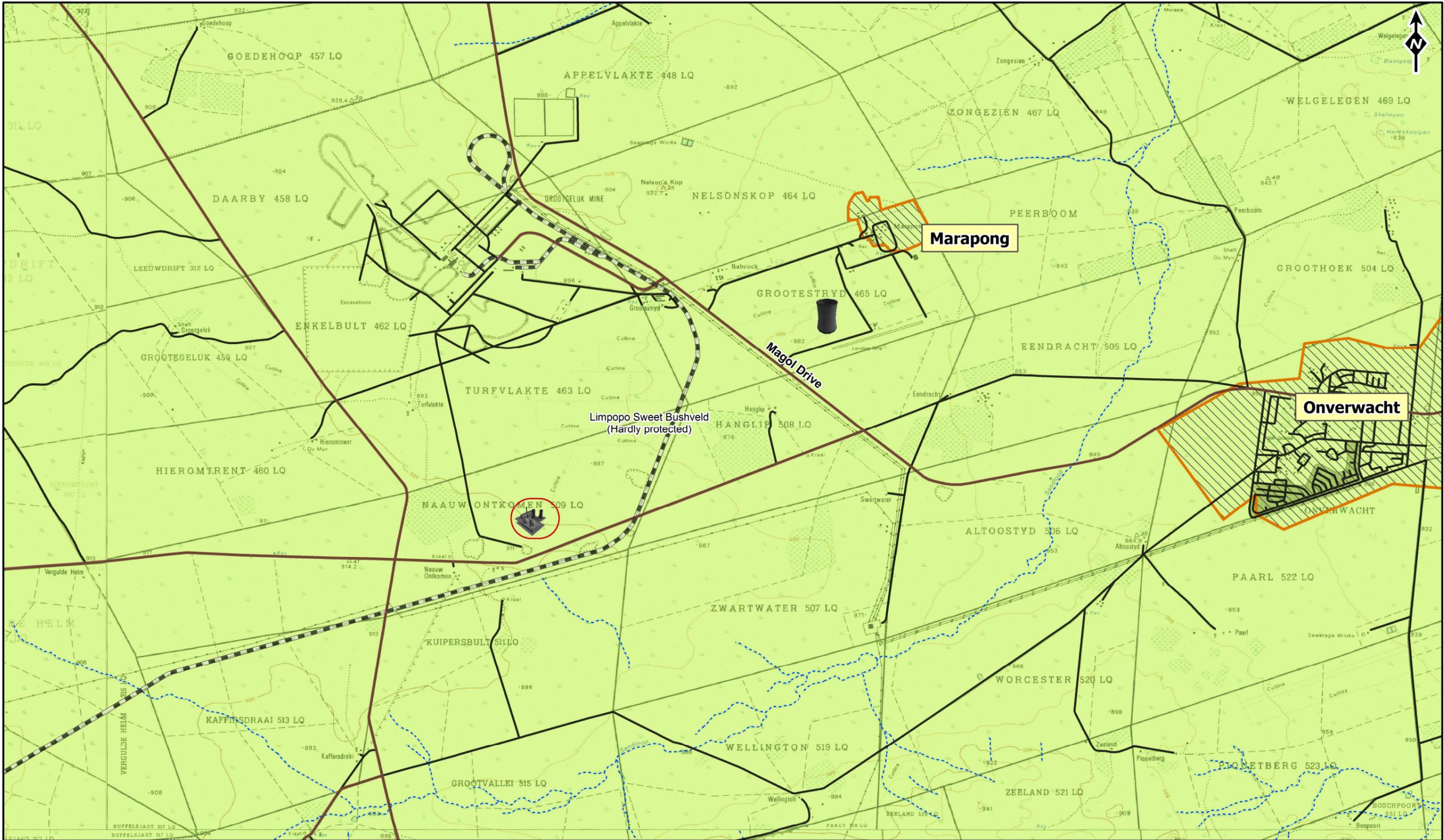
TITLE

QUARTERNARY CATCHMENTS MAP

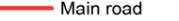
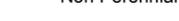


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REVIEW	-	2015/02/13	A3 REV 0

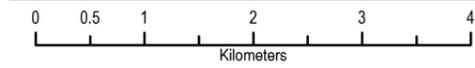
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LEGEND

-  Medupi Power Station
-  Matimba Power Station
-  Regional road
-  Main road
-  Secondary road
-  Streets and other access
-  Rail
-  Non Perennial Rivers
-  Perennial Rivers
-  Communities
- Vegetation Type (SANBI, 2006)**
-  Western Sandy Bushveld, NP
-  Limpopo Sweet Bushveld, NP

RESOURCES/NOTES



REFERENCE

PROJECTION GCS WGS 1984

PROJECT

MEDUPI FGD

TITLE

VEGETATION TYPE MAP



GIS	VR	2015/02/13	PROJECT No. 12949
CHECK	SM	2015/02/13	SCALE 1:65 000
REVIEW	-	2015/02/13	A3 REV 0

**APPENDIX 7
PROJECT SCHEDULE**

Medupi FGD NEMA EIA Programme Rev7 - Baseline - 15 April 2018

ID	% Complete	Task Name	Duration	Start	Finish	Predecessors	01 September		01 November		01 January		01 March		01 May		01 July		01 September		01 November		01 January		01
							27/08	24/09	22/10	19/11	17/12	14/01	11/02	11/03	08/04	06/05	03/06	01/07	29/07	26/08	23/09	21/10	18/11	16/12	13/01
1	53%	Medupi FGD iEA1	294 days	Tue 24/10/17	Mon 07/01/19																				
2	100%	VO for WULA support, VIA and PPP	1 day	Tue 24/10/17	Tue 24/10/17																				
3	100%	Second Bridging Document	21 days	Wed 25/10/17	Wed 22/11/17																				
4	100%	Draft document	6 days	Wed 25/10/17	Wed 01/11/17	2																			
5	100%	Eskom review	5 days	Thu 02/11/17	Wed 08/11/17	4																			
6	100%	Finalise and send to IAPs and Authorities	5 days	Thu 09/11/17	Wed 15/11/17	5																			
7	100%	Bridging document to I&Aps, management of return emails	5 days	Thu 16/11/17	Wed 22/11/17	6																			
8	100%	Engineering Input	5 days	Wed 25/10/17	Tue 31/10/17																				
9	100%	Layout of FGD infrastructure	5 days	Wed 25/10/17	Tue 31/10/17	2																			
10	100%	Basic information on WWTP	5 days	Wed 25/10/17	Tue 31/10/17	2																			
11	100%	Basic information on limestone handling area and PCD210	5 days	Wed 25/10/17	Tue 31/10/17	2																			
12	48%	IA Report	288 days	Wed 01/11/17	Mon 07/01/19																				
13	100%	Decision for specialists to update report	0 days	Wed 29/11/17	Wed 29/11/17																				
14	100%	Confirmation of specialist scope updates, workshop arrangements	8 days	Wed 29/11/17	Fri 08/12/17	13																			
15	100%	Workshop: Engineering scope freeze	1 day	Mon 11/12/17	Mon 11/12/17	14																			
16	100%	Specialists report amendments / updates	10 days	Tue 12/12/17	Mon 15/01/18	15																			
17	100%	ZC / Eskom review of specialist studies	5 days	Tue 16/01/18	Mon 22/01/18	16																			
18	100%	Specialists finalise specialist reports	5 days	Tue 23/01/18	Mon 29/01/18	17																			
19	100%	Receive updated information (Technology Selection Report)	15 days	Tue 12/12/17	Mon 22/01/18	15																			
20	100%	Receive additional information (WWTP Feasibility, Limstone/Gypsum Concept Info)	36 days	Tue 12/12/17	Tue 20/02/18	15																			
21	100%	Draft EIR compilation	57 days	Wed 01/11/17	Thu 08/02/18	9,10,11,19FF+2 day																			
22	100%	DEIR Part 1 for client review	0 days	Mon 22/01/18	Mon 22/01/18																				
23	100%	DEIR Part 2 for client review	0 days	Mon 05/02/18	Mon 05/02/18																				
24	100%	DEIR Part 3 for client review	0 days	Thu 08/02/18	Thu 08/02/18																				
25	100%	Eskom Review of DEIR	10 days	Mon 05/02/18	Fri 16/02/18	23																			
26	100%	Update DEIR	2 days	Wed 14/02/18	Thu 15/02/18	25FS-3 days																			
27	100%	Prep for Public review	2 days	Thu 15/02/18	Fri 16/02/18	26FS-1 day																			
28	92%	Public review (45 days)	40 days	Mon 19/02/18	Thu 19/04/18	27																			
29	100%	Public meetings	2 days	Mon 12/03/18	Tue 13/03/18	28FS-15 days																			
30	0%	Comments and Responses Report and Final EIR compilation	5 days	Mon 16/04/18	Fri 20/04/18	28FS-4 days																			
31	0%	Eskom Review of FEIR & CRR	2 days	Mon 23/04/18	Tue 24/04/18	30																			
32	0%	FEIR	1 day	Wed 25/04/18	Wed 25/04/18	31																			
33	0%	Prepare for submission	3 days	Thu 26/04/18	Wed 02/05/18	32																			
34	0%	Submit FEIR	0 days	Wed 02/05/18	Wed 02/05/18	33																			
35	0%	DEA decision making (107 calendar days)	78 days	Thu 03/05/18	Mon 20/08/18	34																			
36	0%	DEA issue EA	0 days	Mon 20/08/18	Mon 20/08/18	35																			
37	0%	Notify I&APs of decision	10 days	Tue 21/08/18	Mon 03/09/18	36																			
38	0%	Appeal Process (outside of ZC scope of work)	100 days	Tue 21/08/18	Mon 07/01/19	35																			
39	0%	Project ends	0 days	Mon 07/01/19	Mon 07/01/19	38																			

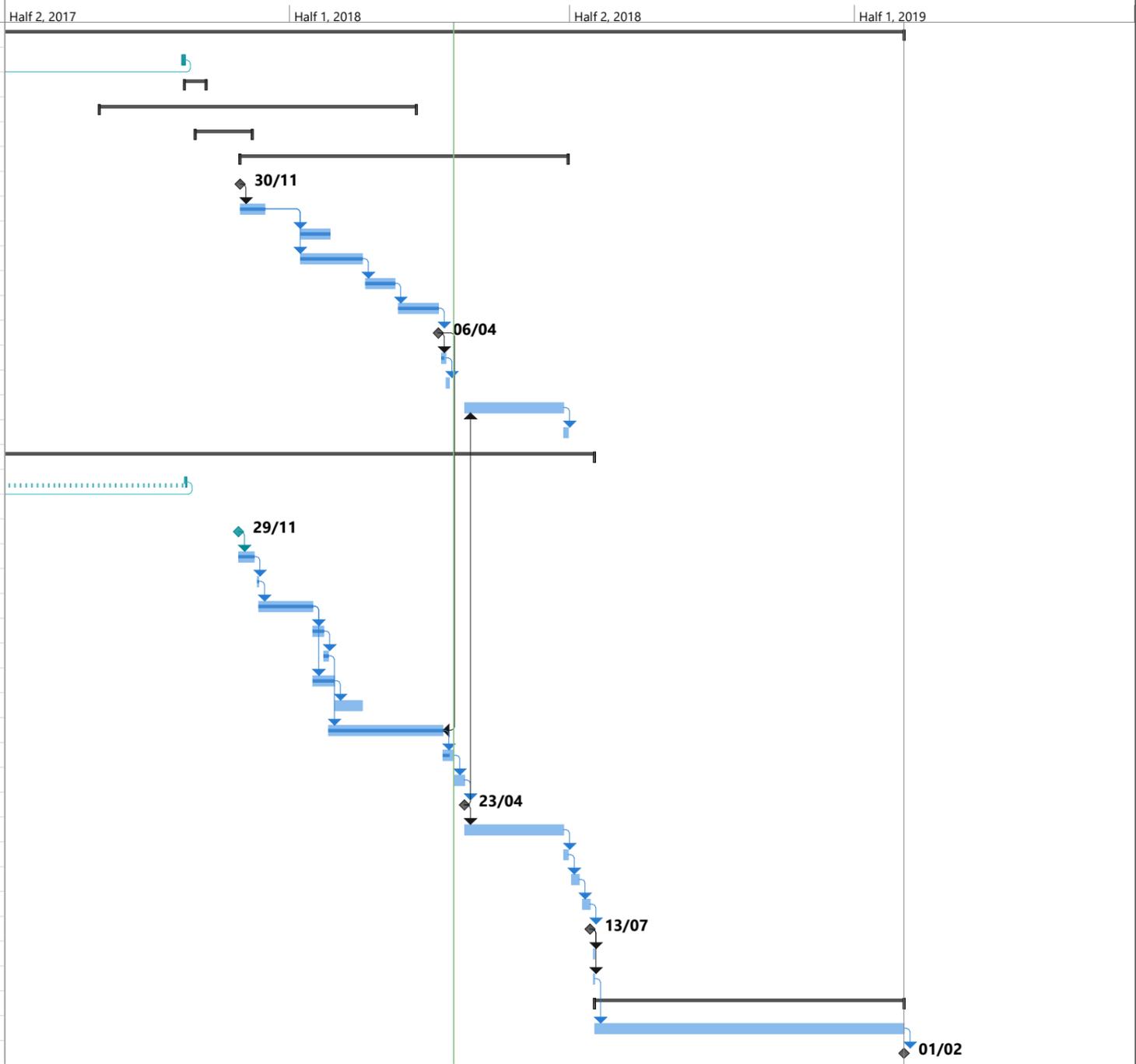


Project: 12949-12-Sch-001-NEM
Date: Tue 17/04/18

Task		Project Summary		Manual Task		Start-only		Deadline	
Split		Inactive Task		Duration-only		Finish-only		Progress	
Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Manual Progress	
Summary		Inactive Summary		Manual Summary		External Milestone			

Medupi FGD WULA Schedule 1 Amended - Baseline - Rev7 - 15 April 2018

ID	% Complete	Task Name	Duration	Start	Finish	Predecessors	Half 2, 2017	Half 1, 2018	Half 2, 2018	Half 1, 2019
1	69%	Medupi FGD WULA	619 days	Tue 23/08/16	Fri 01/02/19					
2	0%	VO for WULA support, VIA and PPP	1 day	Tue 24/10/17	Tue 24/10/17					
3	100%	Engineering Input	10 days	Wed 25/10/17	Tue 07/11/17					
8	100%	Concept Design	131 days	Thu 31/08/17	Fri 23/03/18					
14	100%	Specialist Assessment	27 days	Wed 01/11/17	Thu 07/12/17					
25	64%	Wetland Offset Proposal (WOP) and Rehab Plan	132 days	Thu 30/11/17	Fri 29/06/18					
26	100%	Confirmation of wetland offset requirement	0 days	Thu 30/11/17	Thu 30/11/17	17				
27	100%	Confirm wetland offset and rehab plan scope	12 days	Thu 30/11/17	Fri 15/12/17	26				
28	100%	Desktop assessment of pan dynamics	15 days	Mon 08/01/18	Fri 26/01/18	27				
29	100%	Waiting for sufficient rainfall for pans/wetlands offset po	30 days	Mon 08/01/18	Fri 16/02/18	27				
30	100%	Site visit and on-site assessments	15 days	Mon 19/02/18	Fri 09/03/18	29				
31	100%	Compilation of Wetland Offset Proposal (WOP) and Reha	17 days	Mon 12/03/18	Fri 06/04/18	30				
32	100%	Draft WOP Report and Rehab Plan	0 days	Fri 06/04/18	Fri 06/04/18	31				
33	50%	Internal review and review workshop	3 days	Mon 09/04/18	Wed 11/04/18	32				
34	0%	Final WOP Report and Rehab Plan	2 days	Thu 12/04/18	Fri 13/04/18	33				
35	0%	Public Review of WOP Report and Rehab Plan	44 days	Tue 24/04/18	Tue 26/06/18	51				
36	0%	Incorporate comments in Final WOP and Rehab Plan	3 days	Wed 27/06/18	Fri 29/06/18	35				
37	55%	WULA (Concept level data)	475 days	Tue 23/08/16	Mon 16/07/18					
38	100%	Preparation for Pre-app meeting	5 days	Tue 23/08/16	Wed 25/10/17	2				
39	100%	Pre-application meeting	1 day	Tue 30/08/16	Tue 30/08/16	38				
40	100%	Decision for specialists to update reports	0 days	Wed 29/11/17	Wed 29/11/17					
41	100%	Confirmation of specialist scope updates, workshop arran	8 days	Wed 29/11/17	Fri 08/12/17	40				
42	100%	Workshop: Engineering scope freeze	1 day	Mon 11/12/17	Mon 11/12/17	41				
43	100%	Specialist report amendments / updates	10 days	Tue 12/12/17	Mon 15/01/18	42				
44	100%	ZC / Eskom review of amended specialist reports	5 days	Tue 16/01/18	Mon 22/01/18	43				
45	100%	Specialists finalise amended reports	3 days	Tue 23/01/18	Thu 25/01/18	44				
46	95%	Prepare WULA Forms (Concept level data)	10 days	Tue 16/01/18	Mon 29/01/18	43				
47	0%	Eskom review of WULA forms	14 days	Tue 30/01/18	Fri 16/02/18	46				
48	100%	Compile Draft Technical Report & IWWMP (Concept leve	49 days	Fri 26/01/18	Mon 09/04/18	9,10,45,32FF				
49	80%	Eskom Review of Technical Report	5 days	Tue 10/04/18	Mon 16/04/18	48				
50	0%	Finalise WULA and Technical Report	5 days	Tue 17/04/18	Mon 23/04/18	49				
51	0%	WULA Technical Report & IWWMP (Concept level data)	0 days	Mon 23/04/18	Mon 23/04/18	50				
52	0%	Public review (60 calendar days ito NWA)	44 days	Tue 24/04/18	Tue 26/06/18	51				
53	0%	Update documents with comments	3 days	Wed 27/06/18	Fri 29/06/18	52				
54	0%	Eskom review of final WULA submission	5 days	Mon 02/07/18	Fri 06/07/18	53				
55	0%	Update Report & prep for submission of report	5 days	Mon 09/07/18	Fri 13/07/18	54				
56	0%	WULA Technical Report & IWWMP	0 days	Fri 13/07/18	Fri 13/07/18	55				
57	0%	Submit WULA	1 day	Mon 16/07/18	Mon 16/07/18	56				
58	0%	Present WULA to DWS	1 day	Mon 16/07/18	Mon 16/07/18	56				
59	0%	DWS decision making	144 days	Tue 17/07/18	Fri 01/02/19					
60	0%	DWS review and decision	144 days	Tue 17/07/18	Fri 01/02/19	58				
61	0%	Project ends	0 days	Fri 01/02/19	Fri 01/02/19	60				

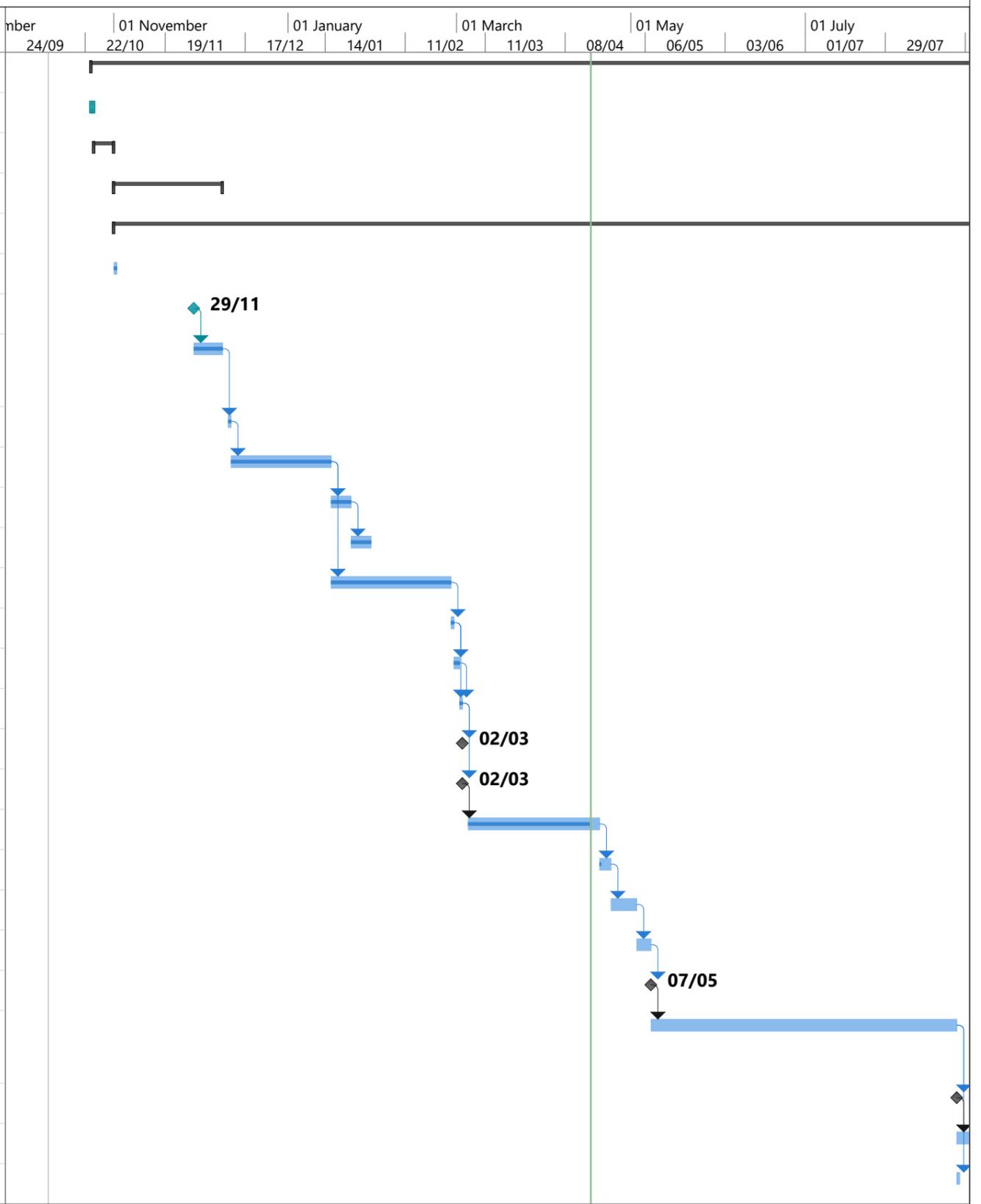


Project: 12949-12-Sch-003-WU
Date: Tue 17/04/18

Task		Project Summary		Manual Task		Start-only		Deadline		Progress	
Split		Inactive Task		Duration-only		Finish-only		Baseline		Manual Progress	
Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Baseline Milestone		Slippage	
Summary		Inactive Summary		Manual Summary		External Milestone		Baseline Summary			

Medupi FGD ADF WML amendment Rev7 - Baseline - 15 April 2018

ID	% Complete	Task Name	Duration	Start	Finish	Number	01 November	01 January	01 March	01 May	01 July						
						24/09	22/10	19/11	17/12	14/01	11/02	11/03	08/04	06/05	03/06	01/07	29/07
1	63%	Medupi ADF WML Amendment	207 days	Tue 24/10/17	Wed 05/09/18												
2	100%	VO for WULA support, VIA and PPP	1 day	Tue 24/10/17	Tue 24/10/17												
3	100%	Engineering input	5 days	Wed 25/10/17	Tue 31/10/17												
7	100%	Specialist Assessment	28 days	Wed 01/11/17	Fri 08/12/17												
22	48%	ADF EA Amendment	201 days	Wed 01/11/17	Wed 05/09/18												
23	100%	Receive engineering input	1 day	Wed 01/11/17	Wed 01/11/17												
24	100%	Decision for specialists to update reports	0 days	Wed 29/11/17	Wed 29/11/17												
25	100%	Confirmation of specialist scope updates, workshop arrangements	8 days	Wed 29/11/17	Fri 08/12/17												
26	100%	Workshop: Engineering scope freeze	1 day	Mon 11/12/17	Mon 11/12/17												
27	100%	Specialist report amendments / updates	10 days	Tue 12/12/17	Mon 15/01/18												
28	100%	ZC / Eskom review of amended / updated reports	5 days	Tue 16/01/18	Mon 22/01/18												
29	100%	Specialists finalise specialist reports	5 days	Tue 23/01/18	Mon 29/01/18												
30	100%	Compile draft application	30 days	Tue 16/01/18	Mon 26/02/18												
31	100%	Specialist reports reviewed and incorporation	1 day	Tue 27/02/18	Tue 27/02/18												
32	100%	Eskom review EA Amendment application	2 days	Wed 28/02/18	Thu 01/03/18												
33	100%	Update amendment application	1 day	Fri 02/03/18	Fri 02/03/18												
34	100%	ADF WML Amendment Report	0 days	Fri 02/03/18	Fri 02/03/18												
35	100%	Prep and submit to public	0 days	Fri 02/03/18	Fri 02/03/18												
36	88%	Public review period (30 days)	31 days	Mon 05/03/18	Thu 19/04/18												
37	20%	Zitholele incorporate stakeholder comments	2 days	Fri 20/04/18	Mon 23/04/18												
38	0%	Eskom review	5 days	Tue 24/04/18	Wed 02/05/18												
39	0%	Prepare for submission to DEA	3 days	Thu 03/05/18	Mon 07/05/18												
40	0%	Submission of WML amendment	0 days	Mon 07/05/18	Mon 07/05/18												
41	0%	DEA Waste Directorate review period on amendment (107 calendar days)	77 days	Tue 08/05/18	Wed 22/08/18												
42	0%	DEA decision on WML amendment application	0 days	Wed 22/08/18	Wed 22/08/18												
43	0%	Notify I&As of decision	10 days	Thu 23/08/18	Wed 05/09/18												
44	0%	Project ends	1 day	Thu 23/08/18	Thu 23/08/18												



Project: 12949-12-Sch-002-ADF
Date: Tue 17/04/18

Task		Project Summary		Manual Task		Start-only		Finish-only		Deadline	
Split		Inactive Task		Duration-only		External Tasks		Manual Progress		Progress	
Milestone		Inactive Milestone		Manual Summary Rollup		External Milestone					
Summary		Inactive Summary		Manual Summary							

APPENDIX 8
DECLARATION OF THE APPLICANT

I, Deidre Herbst, declare that –

- I am, or represent¹, the applicant in this application;
- I have appointed an Environmental Assessment Practitioner (EAP) to act as the independent EAP for this application / have obtained exemption from the requirement to obtain an EAP²;
- I will take all reasonable steps to verify whether the EAP and specialist/s appointed are independent and have expertise in conducting environmental impact assessments or undertaking specialist work as required, including knowledge of the Act, the EIA Regulations and any guidelines that have relevance to the proposed activity;
- I will provide the EAP and the competent authority with access to all information at my disposal that is relevant to the application;
- I 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 EAP or any person contracted by the EAP;
 - 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;
- I 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;
- I am responsible for complying with the conditions of any environmental authorisation issued by the competent authority;
- I hereby indemnify the Government of the Republic of South Africa, 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 EAP is responsible for in terms of these Regulations;
- I 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;
- I will perform all 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 am aware of what constitutes an offence in terms of Regulation 48 and that a person convicted of an offence in terms of Regulation 48(1) is liable to the penalties as contemplated in section 49B of the Act.
- I am aware that in terms of Section 24F of the National Environmental Management Act, Act No 107 of 1998, as amended, that no listed activity may commence prior to an environmental authorisation being granted by the Competent Authority.



Signature³ of the applicant/ Signature on behalf of the applicant

Estken Holdings Ltd

Name of company (if applicable)

01 June 2018

Date:

¹ If this is signed on behalf of the applicant, proof of such authority from the applicant must be attached. If the applicant is a juristic person, a signature on behalf of the applicant is required as well as proof of such authority.

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

³ Only original signatures will be accepted. No scanned, copied or faxed signatures will be accepted. An EAP may not sign on behalf of an applicant.

**APPENDIX 9
9.1 DECLARATION OF THE EAP**

I, Mathys Vosloo, declare that –

- I act as the independent environmental assessment practitioner in this application;
- 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 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 will take into account, to the extent possible, the matters listed in Regulation 18 of the Regulations when preparing the application and any report relating to the application;
- 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, unless access to that information is protected by law, in which case it will be indicated that such information exists and will be provided to the competent authority;
- I will perform all obligations as expected from an environmental assessment practitioner in terms of the Regulations; and
- I am aware of what constitutes an offence in terms of Regulation 48 and that a person convicted of an offence in terms of Regulation 48(1) is liable to the penalties as contemplated in section 49B 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

Zitholele Consulting (Pty) Ltd
Name of company

01 June 2018

Date

**APPENDIX 9
9.2 UNDERTAKING UNDER OATH/ AFFIRMATION**

I, Mathys Vosloo, swear under oath / affirm that all the information submitted or to be submitted for the purposes of this application is true and correct.



Signature of the environmental assessment practitioner

Zitholele Consulting (Pty) Ltd
Name of company

01 June 2018
Date



Signature of the commissioner of oaths

01/06/18
Date

I certify that the DEPONENT has acknowledged that he/she knows and understands the contents of this affidavit, that he/she does not have any objection to taking the oath, and that he/she considers it to be binding on his/her conscience, and which was sworn to and signed before me

at Midrand on this day of 01/06 2018...

administering oath complied with the regulations contained in Government Gazette No. R1258 of July 1972, as amended.

Signature: 

COMMISSIONER OF OATHS

C. Venter

Ex Officio - GTP (SA)

Commissioner of Oaths (RSA)

Building 1, Magwa Crescent

Maxwell Office Park, cnr Allandale Road & Maxwell Drive,
Waterfall City, Midrand

Zitholele Consulting

Reg. No. 2000/000392/07

PO Box 6002 Halfway House 1685, South Africa
Building 1, Maxwell Office Park, Magwa Crescent West
c/o Allandale Road & Maxwell Drive, Waterfall City, Midrand
T : 011 207 2060 F : 086 674 6121 E : mail@zitholele.co.za



Our Ref : 12949-83-Let-009-EIA Appl Amend

1 June 2018

Department of Environmental Affairs

Integrated Environmental Authorisations
Private Bag X447
Pretoria
0001

Attention : Ms. Bongeka Ngcoliso

Dear Ms. Ngcoliso

ENVIRONMENTAL IMPACT ASSESSMENT FOR THE PROPOSED RETROFITTING OF A FLUE GAS DESULPHURISATION (FGD) SYSTEM AT MEDUPI POWER STATION, LEPHALALE, LIMPOPO PROVINCE (DEA REF.: 14/12/16/3/3/2/1060)

- **SUBMISSION OF UPDATED EIA APPLICATION FORM**
- **SUBMISSION OF CORRESPONDENCE WITH SAHRA**

Submission of updated EIA Application Form

Zitholele Consulting wishes to submit on behalf of the applicant, Eskom Holdings SOC Limited, an updated EIA application form listing additional listed activities, which were initially left out of the application form due to uncertainty whether these listed activities would be triggered by the development. Subsequent to the submission of the Final Environmental Impact Report to the department on 23 May 2018, Eskom received feedback from an external independent review of the Medupi FGD Retrofit Project, which recommended that the identified listed activities be included in the EIA Application. Subsequent to a thorough review of the proposed listed activities with the applicant, inclusion of the recommended listed activities was confirmed.

It is hereby requested by the applicant that the Department of Environmental Affairs consider this updated EIA Application Form during the assessment of the Medupi FGD Retrofit Project FEIR for decision.

The listed activities that has been included in the updated EIA Application form are listed below. Impacts associated with the listed activities have been assessed in the Medupi FGD Retrofit EIA, as is indicated in the table below.

ENVIRONMENTAL IMPACT ASSESSMENT FOR THE PROPOSED RETROFITTING OF A FLUE GAS DESULPHURISATION (FGD) SYSTEM AT MEDUPI POWER STATION, LEPHALALE, LIMPOPO PROVINCE (DEA REF.: 14/12/16/3/3/2/1060)

Additional activities included as listed in GN R.544 – 546 (2010)	Additional activities included as listed in GN R.325 & 327 (2017)	Description of assessment of impacts associated with the listed activities
<p>GN R.544, Activity 22 The construction of a road, outside urban areas, (ii) where no reserve exists where the road is wider than 8 metres.</p>	<p>GN R.327, Activity 24 The development of a road - (ii) with a reserve wider than 13,5 meters, or where no reserve exists where the road is wider than 8 metres.</p>	<p>Road infrastructure associated with the railway yard, limestone and gypsum storage areas are discussed in sections 6.4.12 and 6.9.2 of the FEIR.</p>
<p>GN R.546, Activity 4 The construction of a road wider than 4 metres with a reserve less than 13.5 metres, (a) in Limpopo province: ii. In (ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.</p>	<p>GN R.324, Activity 4 The construction of a road wider than 4 metres with a reserve less than 13.5 metres, (e) in Limpopo province: ii. In (ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.</p>	<p>The main impacts associated with the construction of the road is clearance of vegetation, and disturbance or destruction of water courses. The roads associated with the railway yard development area, including the runoff railway line, limestone and gypsum storage areas have been assessed in the FEIR as associated infrastructure.</p> <p>The biodiversity and wetland specialists also considered the impact on Critical Biodiversity Areas (CBA's), vegetation clearance and disturbance impacts on wetlands and watercourses within the railway yard development areas, as well as within the 500m buffer area around the development site, as is evident in the impact assessment provided in the FEIR in section 11.6 and specialist reports included in Appendix G.</p>
<p>GN R.544, Activity 22 The expansion of or changes to existing facilities for any process or activity where such expansion or changes to will result in the need for a permit or licence in terms of national or provincial legislation governing the release of emissions or pollution.</p>	<p>GN R.327, Activity 34 The expansion of existing facilities or infrastructure for any process or activity where such expansion will result in the need for a permit or licence or an amended permit or licence in terms of national or provincial legislation governing the release of emissions, effluent or pollution.</p>	<p>This listed activity is included due to the proposed development of the fuel storage areas. The additional storage of fuel is considered an expansion of the existing fuel storage capacity within the Medupi Power Station footprint and will require the amendment of the Medupi Power Station's existing provisional AEL.</p> <p>The potential impact from the installation of the fuel storage areas was specifically considered by the air quality specialist as confirmed in the scope of work for the specialist study in section 1.1 of the air quality specialist report. The fuel storage areas are discussed in section 6.4.6 of the FEIR.</p>
<p>GN R.546, Activity 12 The clearance of an area of 300 square metres or more of</p>	<p>GN R.324, Activity 12 The clearance of an area of 300 square metres or more of</p>	<p>The southwestern extent of the railway yard development area, which provides for the runoff railway line</p>

ENVIRONMENTAL IMPACT ASSESSMENT FOR THE PROPOSED RETROFITTING OF A FLUE GAS DESULPHURISATION (FGD) SYSTEM AT MEDUPI POWER STATION, LEPHALALE, LIMPOPO PROVINCE (DEA REF.: 14/12/16/3/3/2/1060)

Additional activities included as listed in GN R.544 – 546 (2010)	Additional activities included as listed in GN R.325 & 327 (2017)	Description of assessment of impacts associated with the listed activities
vegetation where 75% or more of the vegetative cover constitutes indigenous vegetation, (b) Within critical biodiversity areas identified in bioregional plans.	indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan, in e. Limpopo: ii. Within critical biodiversity areas identified in bioregional plans.	from the main railway line, is located within a critical biodiversity area as identified in Waterberg District Bioregional Plan, which was developed from the Limpopo Conservation Plan (C-Plan) version 2.
<p>GN R.546, Activity 13 The clearance of an area of 1 hectare or more of vegetation where 75% or more of the vegetative cover constitutes indigenous vegetation, in (a) Critical biodiversity areas and ecological support areas as identified in systematic biodiversity plans adopted by the competent authority.</p>	<p>Activity removed from Listing Notice 3 (GN R.324)</p>	<p>The biodiversity and wetland specialists considered CBA's, vegetation clearance and disturbance impacts on wetlands and watercourses within the railway yard development areas, as well as within the 500m buffer area around the development site, as is evident in the impact assessment provided in the FEIR in section 11.6 and specialist reports included in Appendix G. The impact associated with the clearance of vegetation associated with listed activities 12 (GN R. 546 and GN R. 324) and 13 (GN R. 546) has therefore been adequately addressed in the specialist studies and FEIR.</p>
<p>GN R.546, Activity 16 The construction of: (iv) infrastructure covering 10 square metres or more, where such construction occurs within a watercourse or within 32 metres of a watercourse, measured from the edge of a watercourse, in (a) Limpopo: ii. Outside urban areas, in: (ff) Critical biodiversity areas or ecosystem service areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.</p>	<p>GN R.324, Activity 14 The development of - (ii) infrastructure or structures with a physical footprint of 10 square metres or more; where such development occurs - (c) if no development setback has been adopted, within 32 metres of a watercourse, measured from the edge of a watercourse, in e. Limpopo, i. Outside urban areas: in (ff) Critical biodiversity areas or ecosystem service areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.</p>	<p>Similarly, the impacts on potential water courses and wetlands, as per GN R.546 Listed Activity 16, and GNR R.324 Listed Activity 14, has been adequately addressed by the biodiversity and wetland specialists, as is evident from the specialist report provided in Appendix G of the FEIR.</p>

Two hard copies of the EIA Application Form is submitted with this cover letter. This cover letter is however included in the front of the Original Signed EIA Application Form.

Correspondence with SAHRA

The Draft Environmental Impact Report was uploaded to the South African Heritage Resources Information System, commonly known as SAHRIS, during the public review period. The Case reference number of the project on SAHRIS is CaseID: 12375 and the case officer is Ms Nokukhanya Khumalo. Interim comments from SAHRA was only received on 24 May 2018, which requested additional

ENVIRONMENTAL IMPACT ASSESSMENT FOR THE PROPOSED RETROFITTING OF A FLUE GAS DESULPHURISATION (FGD) SYSTEM AT MEDUPI POWER STATION, LEPHALALE, LIMPOPO PROVINCE (DEA REF.: 14/12/16/3/3/2/1060)

documents to be uploaded to SAHRIS in order to complete the assessment. The comment letter received from SAHRA is included with this letter.

The requested document has subsequently been uploaded to the SAHRIS site under the project case number and we therefore await final comment on the case. Zitholele will forward all comments received from SAHRA as soon as this comment is forthcoming.

We look forward to further engagement with the department relating to the Medupi FGD Retrofit Project FEIR. Should you have any queries please do not hesitate to contact the undersigned.

Yours faithfully



Dr. Mathys Vosloo

Tel: 011 207 2079

Cell: 084 748 3018

Email: mathysv@zitholele.co.za

ZITHOLELE CONSULTING (PTY) LTD

Attachments : 1 x Original Signed EIA Application Form
1 x Copy of Signed EIA Application Form
1 x CD with electronic copy of Signed EIA Application Form
Interim comment letter from SAHRA



an agency of the
Department of Arts and Culture

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South African Heritage Resources Agency | 111 Harrington Street | Cape Town
P.O. Box 4637 | Cape Town | 8001
www.sahra.org.za

Enquiries: Nokukhanya Khumalo

Tel: 021 462 4502

Email: nkhumalo@sahra.org.za

CaseID: 12375

Date: Thursday May 24, 2018

Page No: 1

Interim Comment

In terms of Section 38(8), 38(4) of the National Heritage Resources Act (Act 25 of 1999)

Attention: Ms Deidre Herbst
Eskom Holdings SOC Ltd
P O Box 1091
JOHANNESBURG
2000

Development and operation of a Flue Gas Desulphurisation (FGD) Plant, rail yard, limestone and gypsum handling facilities and associated infrastructure within the Medupi Power Station footprint on farms Eenzaamheid 687 LQ and Naauw Ontkomen 509 LQ outside Lephalale, Limpopo Province.

Medupi Power Station (MPS) is owned and operated by Eskom (SOC) Ltd, it generates 6 x 800 MW units of power. To comply with their existing Air Emissions Licence, MPS is proposing to retrofit a wet limestone forced oxidation Flue Gas Desulphurisation plant to reduce the SO₂ output into the atmosphere. This will include the limestone loading bay, conveyor belt and extension of existing rail to new rail yard. The proposed FGD will be located on the farms Eenzaamheid 687 LQ and Naauw Ontkomen 509 LQ in the Lephalale Local Municipality of the Limpopo Province.

Zitholele Consulting (Pty) Ltd have been appointed by Eskom (SOC) Ltd to undertake the Environmental Impact Assessment process in support of an Environmental Authorisation application, in terms of the National Environmental Management Act, No. 107 of 1998 (NEMA). To meet the requirements of section 38(8) of the National Heritage Resources Act, no 25 of 1999 a Heritage Impact Assessment (HIA) by NGT Consulting, Mbofhu Hashu Consulting and Project Managers (Pty) Ltd and a Palaeontological Desktop Assessment by Dr Bamford, were undertaken and the resultant reports submitted to SAHRA for commenting.

Sutton, M and Tomose, N. February 2018. Heritage Impact Assessment for the Proposed Medupi Power Station Flue Gas Desulphurisation Retrofit Project and associated infrastructure, Lephalale, Limpopo Province, South Africa.

The authors undertook a desktop study of the proposed development using field survey data obtained from the Mbofhu Hashu HIA report. The field assessment identified a potential grave, labelled EMFGD 03, located just outside proposed FGD area but within the Medupi Power Station area. This site has Very High heritage

Our Ref: 12375



an agency of the
Department of Arts and Culture

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Enquiries: Nokukhanya Khumalo

Tel: 021 462 4502

Email: nkhumalo@sahra.org.za

CaseID: 12375

Date: Thursday May 24, 2018

Page No: 2

significance. The author recommends that the site is investigated further to confirm whether it's a grave or not, if confirmed, the site must be fenced for long term conservation.

Bamford, M. February 2018. Desktop Palaeontological Impact Assessment for the Proposed Medupi Power Station Flue Gas Desulphurisation Retrofit Project and the Existing Medupi Power Station Ash Disposal Facility, Lephalale, Limpopo Province, South Africa.

The author conducted a survey of the available geological information for the region of the proposed FGD. The area is underlain by sandstone and conglomerate of the Sandriviersberg Formation and Mokgalakwena Formation of the Kransberg Subgroup, Waterberg Group. These formations have a moderate sensitivity for trace fossils.

Interim Comment

SAHRA Archaeology, Palaeontology, and Meteorites (APM) Unit accepts the Heritage Desktop Study and PIA reports submitted to the case, and the recommendations provided therein. However, the case is not a complete application as the field survey Heritage Impact Assessment report has not been submitted to the case. The Mbofu Hashu HIA report must be submitted to SAHRA, on this case in order for the case to be processed further.

Should you have any further queries, please contact the designated official using the case number quoted above in the case header.

Yours faithfully

Nokukhanya Khumalo
Heritage Officer
South African Heritage Resources Agency

Our Ref: 12375



an agency of the
Department of Arts and Culture

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Enquiries: Nokukhanya Khumalo

Tel: 021 462 4502

Email: nkhumalo@sahra.org.za

CaseID: 12375

Date: Thursday May 24, 2018

Page No: 3

Phillip Hine

Acting Manager: Archaeology, Palaeontology and Meteorites Unit
South African Heritage Resources Agency

ADMIN:

Direct URL to case: <http://www.sahra.org.za/node/502638>

(DEA, Ref:)

Terms & Conditions:

1. This approval does not exonerate the applicant from obtaining local authority approval or any other necessary approval for proposed work.
2. If any heritage resources, including graves or human remains, are encountered they must be reported to SAHRA immediately.
3. SAHRA reserves the right to request additional information as required.