environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

	(For official use only)
File Reference Number:	12/12/20/ or 12/9/11/L
NEAS Reference Number:	DEAT/
Date Received:	

Application for integrated environmental authorisation and waste management licence in terms of the-

(1) National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended and the Environmental Impact Assessment Regulations, 2010; and
(2) National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) and Government Notice 718 of 2009.

PROJECT TITLE

ENVIRONMENTAL IMPACT ASSESSMENT AND WASTE MANAGEMENT LICENCE APPLICATION FOR THE PROPOSED CONTINUOUS ASH DISPOSAL FACILITY FOR THE MATIMBA POWER STATION IN LEPHALALE, LIMPOPO PROVINCE.

PART A: INFORMATION AND APPLICATION PROCESS

1. DEFINITIONS

Definitions in this form are as per the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA), the Environmental Impact Assessment ("EIA") Regulations, 2010, the National Environmental Management: Waste Act, 1998 (Act No.
59 of 2008) ("NEMWA") and the Schedule contained in Government Notice 718, published on 3 July 2009 in terms of section 19 of NEMWA.

2. APPLICABILITY OF INTEGRATED ENVIRONMENTAL AUTHORISATION PROCESS

The integrated environmental authorisation process only apply in instances where the
Minister is both
the-
(a) competent authority for the environmental authorisation applied for in terms

of

NEMA and the EIA Regulations, 2010; and

(b) the licencing authority for the waste management licence in terms of NEMWA.

Kindly refer to paragraph 3.2 of this part of the application to determine in which instances the Minister would be the competent authority in terms of NEMA and the licencing authority in terms of NEMWA.

3. APPLICATION PROCESS EXPLAINED:

3.1 Integrated environmental authorisation process:

3.1.1 The environmental authorisation process prescribed for listed activities under Listing Notices 1, 2 and 3 published in Government *Gazette* Numbers R544, R545 and R546 respectively and the waste licensing process for listed activities contained in the Schedule in Government Notice 718, 2009 published in terms of section 19 of NEMWA are as defined in the Environmental Impact Assessment (EIA) Regulations made under section 24(5) of the National Environmental Management Act, 2008 (Act No. 107 of 1998) ("NEMA").

3.1.2 This integrated application form is the official form in terms of regulation 12(2)(a) of the EIA Regulations, 2010 and must accompany every integrated environmental authorization application pertaining to-

- listed activities in terms of NEMA; and
- waste activities in terms of NEMWA.

3.2 Competent Authority (Where to submit applications)

3.2.1 The Minister of Water and Environmental Affairs is the-

- competent authority in respect of the activities listed in Listing Notices 1, 2 and 3, published in Government *Gazette* numbers R544, R545, and R546 respectively, in terms of NEMA if the activity-

  (a) has implications for international environmental commitments or relations; (b) will take place within an area protected by means of an international environmental instrument, other than-

  (i) any area falling within the sea-shore or within 150 meters seawards from the high-water mark, whichever is the greater;
  (ii) a conservancy;
  (iii) a protected natural environment;
  (iv) a proclaimed private nature reserve; (v) a natural heritage site; and
  (vi) the buffer zone or transitional area of a world heritage site;

  (c) has a development footprint that falls within the boundaries of more than one province or traverses international boundaries;

  (d) Is undertaken, or is to be undertaken by- (i) A national department;

  (ii) A provincial department responsible for environmental affairs or any other organ of state performing a regulatory function and reporting to

the MEC; or

(iii) A statutory body, excluding any municipality, performing an exclusive competence of the national sphere of government; or

(e) Will take place within a national proclaimed protected area or other conservation area under control of a national authority.

- licencing authority in respect of all activities listed in both categories of the Schedule contained in Government Notice 718, 2009 published in terms of section 19 of NEMWA where –

(a) Unless otherwise indicated by the Minister by notice in the *Gazette*, the waste management activity involves the establishment, operation, cessation or decommissioning of a facility at which hazardous waste has been or is to be stored, treated or disposed of;

(b) The waste management activity involves obligations in terms of an international obligation, including the importation or exportation of hazardous waste;

(c) The waste management activity is to be undertaken by- (i) A national department;

(ii) A provincial department responsible for environmental affairs; or

(iii) A statutory body, excluding any municipality, performing an exclusive competence of the national sphere of government;

(d) The waste management activity will affect more than one province or traverse international boundaries; or

(e) Two or more waste management activities are to be undertaken at the same facility and the Minister is the licencing authority for any of those activities.

However, despite the above-mentioned legislative provisions, the Minister and an MEC may agree that an application for a waste management activity or an environmental authorisation in respect of the above-mentioned activities, where the Minister is the competent/licencing authority, may be dealt with by the relevant MEC within whose province the activity(ies) will take place. Similarly the Minister and the MEC may agree that an application for an environmental authorisation or a waste management activity where the MEC has been identified as the competent/licencing authority, may be dealt with by the Minister. [Section 24C(3) of NEMA and section 43(3) of NEMWA)]

The integrated application for environmental authorisation must be submitted by lodging an application with the National Department of Environmental Affairs. The application must be marked for the attention of:

The Director: Environmental Impact Evaluation
Private Bag X447
Pretoria 0001
Tel: 012 310 3230

3.3 Making an Application

3.3.1 This application form is current as of 1 September 2010. It is the responsibility of the applicant to ascertain whether subsequent versions of the form have been published or produced by the competent authority. It is the applicant's responsibility to download the current version of the application form from the website of the Department at **http://www.environment.gov.za.**

3.3.2 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.

3.3.3 The applicant must clearly mark confidential sections of the information submitted in the application form and supporting documents. Unless protected by law, all information filled in on this application will become public information on receipt by the competent authority. Any interested and affected party should be provided with the information contained in this application on request, during any stage of the application process.

3.3.4 The applicant must fill in all relevant sections of this form. Incomplete applications will not be processed. The applicant will be notified of the missing information in the acknowledgement letter that will be sent within 14 days of receipt of the application.

3.3.5 Incomplete applications may be returned to the applicant for revision.

3.3.6 Sections in the form that do not apply to the applicant must be marked "not applicable". However, 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.

3.3.7 Where applicable **black out** the boxes that are not applicable in the form.

3.3.8 This application form (together with four hard copies of this application form), must be handed in at the offices of the relevant competent authority as determined by the relevant Acts and Regulations and as indicated in this application form. All application forms must be signed as stipulated in the form. Applications that are not signed or completed accordingly will not be considered.

3.3.9 No faxed or e-mailed applications will be accepted.

3.3.10 There is currently no prescribed fee.

3.4 Appointment of an EAP

The applicant must appoint an EAP in terms of EIA Regulations, 2010;
The EAP must comply with general requirements as given in EIA regulations, 2010; and
The EAP may be disqualified in terms of EIA Regulations, 2010.

3.5 Criteria for determining whether basic assessment or scoping is to be applied to applications

3.5.1 NEMA activities

(a) Basic assessment must be applied to an application if the authorisation applied for is in respect of an activity listed in Listing Notices 1 and/or 3 published in Government *Gazette* Numbers R544 and R546, 2010 respectively and which must follows the

process described in sections 21-25 of the EIA Regulations, 2010; and

(b) Scoping and Environmental Impact Reporting Process ("S&EIR") must be applied to an application if the authorisation applied for is in respect of an activity listed in Listing Notice 2 published in Government Gazette Number R545, 2010 and which must follows the process described in sections 26-35 of the EIA Regulations, 2010.

3.5.2 NEMWA activities

(a) Basic assessment, in terms of sections 21-25 of the EIA Regulations, 2010, must be applied to an application if the authorisation applied for is in respect of an activity listed in Category A of the Schedule contained in Government Notice 718, published on 3 July 2009, in terms of section 19 of NEMWA; and

(b) S&EIR, in terms of sections 26-35 of the EIA Regulations, 2010, must be applied to an application if the authorisation applied for is in respect of an activity Category B of the Schedule contained in Government Notice 718, published on 3 July 2009, in terms of section 19 of NEMWA.

3.5.3 Combination of NEMA and NEMWA activities

Should any of the NEMA or NEMWA activities applied for require the application of the S&EIR process, the S&EIR process will be applied to this application for integrated environmental authorisation.

Queries must be addressed to the contact hereunder:

Departmental Details

Postal address:
Department of Environmental Affairs
Attention: Director: Environmental Impact Evaluation
Private Bag X447
Pretoria
0001

Physical address:
Department of Environmental Affairs
Fedsure Forum Building (corner of Pretorius and Van der Walt Streets)
2nd Floor North Tower
315 Pretorius Street
Pretoria
0002

Queries should be directed to the Directorate: Environmental Impact Evaluation at:

Tel: 012-310-3290
Fax: 012-320-7539

PART B: GENERAL

1. DESCRIPTION OF PROJECT

The entire project will entail the following (full detail of the project can also be appended):

Matimba Power Station located close to Lephalale in Limpopo Province, is a 3 990 MW installed capacity base load coal-fired power station, consisting of 6 units. Matimba is a direct dry cooling power station, an innovation necessitated by the severe shortage of water in the area where it is situated. The station obtains its coal from the adjacent Grootegeluk Colliery for the generation of electricity.

Ash is generated as a by-product from combustion of coal from the power station and Matimba produces approximately 6 million tons of ash annually. This ash is currently being disposed by means of 'dry ashing' approximately three kilometres south of the power station.

The proposed project entails the development of a continuous ash disposal facility with the following specifications:

- Airspace with a capacity of 297 million m^3 (remaining);
- Ground / development footprint of 651 ha (remaining fenced area including pollution control dams and other infrastructure, like conveyor belts).

The proposed ash disposal facility will ensure that the power station is able to accommodate the ashing requirements for the remaining life (40 years) of the power station.

An 8km radius from the Matimba Power Station forms the study area and is under assessment for the proposed ash disposal facility.

Purpose of application:

Matimba Power Station envisages aligning the continuation of ash disposal (dry ashing) for the remaining life of the power station to current waste legislation, and therefore, requires the necessary licensing in terms of the National Environmental Management: Waste Act (NEMWA), Act 59 of 2008 and the Environmental Impact Assessment (EIA) Regulations (2010) promulgated under the National Environmental Management Act (NEMA) No. 107 of 1998, (as amended).

In addition, if the ash disposal facility is not constructed, Matimba Power Station will not be able to effectively continue with its electricity generation operations for its remaining life because the ash produced from coal combustion must be disposed of correctly.

The proposed project entails the development of an ash disposal facility (ADF) with an airspace capacity of 276249000m^3 for the next 40 years of operation (2015 – 2055) of the power station. Two site alternatives were identified during the Scoping Phase and assessed during the EIA study for the establishment of the ADF:
1. Site Alternative 1 (SA1) – located south of the Matimba Power Station the farm Zwartwater 507 LQ. Part

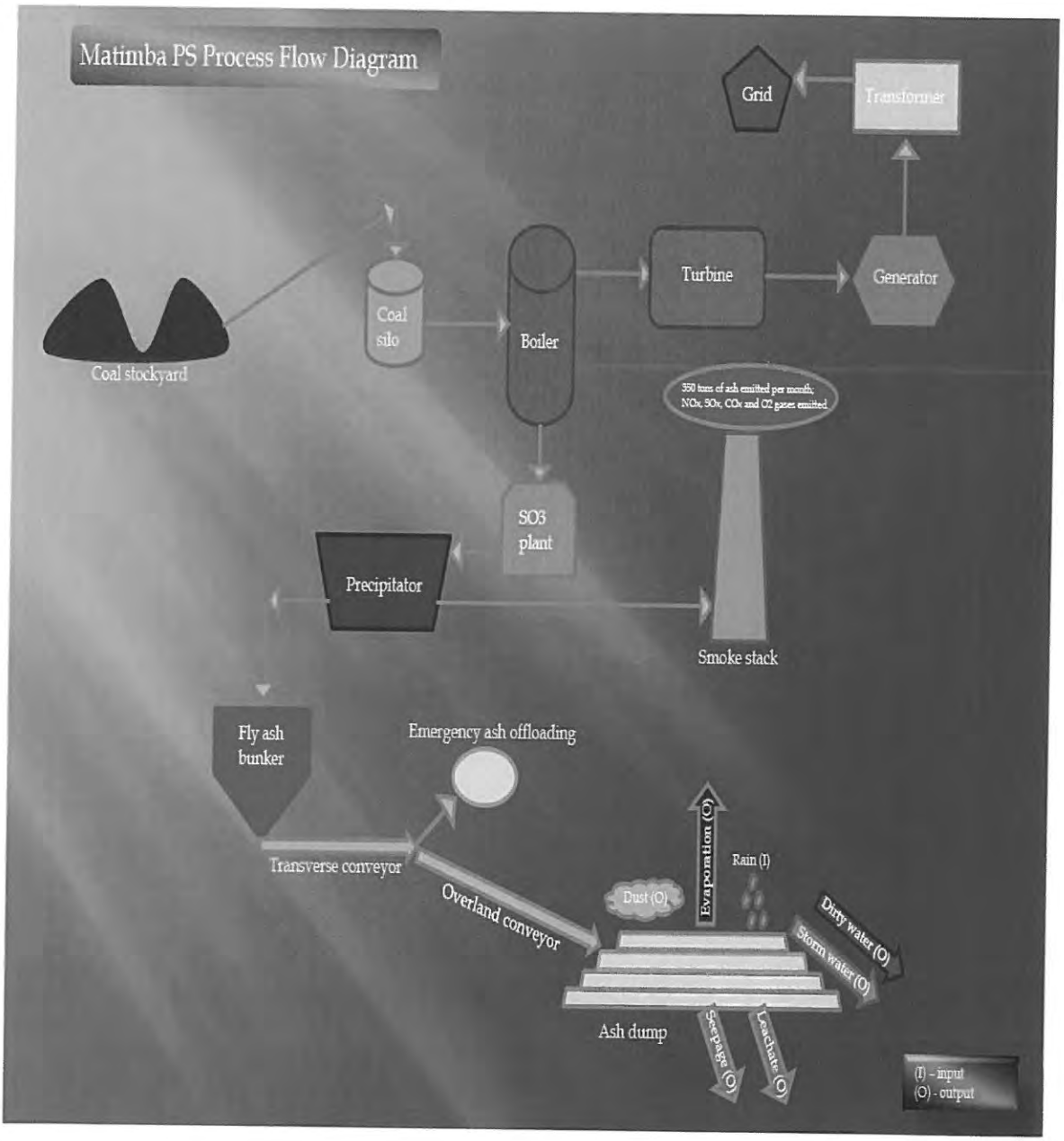
of this farm (approximately 320 ha) is currently utilized as an ADF. A total footprint area required for the ADF development to meet the airspace requirements is 700 ha (510 ha greenfields and 190 ha over the existing ADF). Ashing onto this alternative would result in a continuation of the ashing activities.

2. Site Alternative 2 (SA2) - This site is located north of the Matimba Power Station and straddles four different farms namely Vooruit 449 LQ, Appelvlakte 448 LQ, Droogeheuvel 447 LQ and Ganzepan 446 LQ. A total footprint area required for the ADF development to meet the airspace requirements is 660 ha. Ashing onto this site would result in establishment of a new ADF. This is a greenfields site. A new conveyor belt system as well as access road (linear infrastructure route) would have to be developed in order to transport ash from the Matimba Power Station to the new ADF. The conveyor belt will be raised above the ground, and as such would be a visually prominent structure, due to its height and linear nature. The proposed linear infrastructure route alignment runs in close proximity to the Marapong community. To the north of Marapong, the linear infrastructure would run along a cadastral boundary from the Grootestryd 465 LQ (Matimba Power Station) and then runs between the Nelsonskop 464 LQ and Zongezien 467 LQ properties and between the Appelvlakte 448 LQ and Droogeheuwel 447 LQ boundary before linking up to SA2.

2. FLOW CHART OF OPERATIONS

Please provide a brief description of the activities and operations at the site. Provide a flow chart of the operation showing all inputs and outputs of the process. Give particulars of the source, location, nature, composition and quantity of emission to the atmosphere, surface water, sewer, and ground-water including noise emissions. Solid waste must be in tons and specify units for liquids and gases.

The relevant flow diagram depicting inputs and outputs, as well as the process flow, is provided below. The waste in question is ash which has its source from the coal combustion process of the power station. The nature and composition of the ash will be determined and classified during the EIA process. In terms of the emissions from the proposed ash disposal facility, these will be identified during the EIA process by the relevant specialists.



3. BACKGROUND INFORMATION

Project applicant:	Eskom Holdings SoC Ltd		
Trading name (if any):	Eskom Holdings SoC Ltd		
Contact person:	Deidre Herbst		
Physical address:	Megawatt Park, Maxwell Drive, Sunninghill, Sandton		
Postal address:	PO Box 1091		
Postal code:	2001	Cell:	083 660 1147
Telephone:	011 800 3501	Fax:	086 660 6092
E-mail:	deidre.herbst@eskom.co.za		

	Farm Zwartwater 507 LQ; Farm Grootestryd 465 LQ-Portion 0 and Farm Zongesien 467 LQ – Portion 0		
Landowner:	Eskom Holdings SoC Ltd		
Contact person:	Bheki Nxumalo (Matimba Power Station Manager)		
Postal address:	Private Bag X215, Lephalale, Limpopo		
Postal code:	0555	Cell:	+27 82 922 8861
Telephone:	+27 14 763 8200	Fax:	+27 14 763 3616
E-mail:	nxumalBJ@eskom.co.za		

	Farm Vooruit 449 LQ and Farm Nelsonskop 464 LQ		
Landowner:	Exxaro Coal (Pty) Ltd		
Contact person:	Marius Fuls		
Postal address:	PO Box 6207, Onverwacht, Limpopo.		
Postal code:	0557	Cell:	+27 83 305 3104
Telephone:		Fax:	+27 12 307 5556
E-mail:	marius.fuls@exxaro.com		

	Farm Droogeheuvel 447 LQ		
Landowner:	Triple M Game Ranch		
Contact person:	Allan Malherbe		
Postal address:	PO Box 689, Auckland Park, Johannesburg		
Postal code:	2006	Cell:	+27 82 442 9296
Telephone:		Fax:	
E-mail:	amalherbe@pilotfreight.co.za		

Landowner:	**Farm Ganzepan 446 LQ**		
Contact person:	Susara Maria Gouws		
Postal address:	Susara Gouws		
Postal code:		Cell:	
Telephone:	012 567 4646 / 012 427 7271	Fax:	
E-mail:			

Landowner:	**Farm Appelvlakte 448 LQ-Portions 0 & 2**		
Contact person:	Exxaro Coal (Pty) Ltd		
Postal address:	Marius Fuls		
Postal code:	PO Box 6207, Onverwacht, Limpopo.		
Telephone:	0557	Cell:	+27 83 305 3104
E-mail:		Fax:	+27 12 307 5556
	marius.fuls@exxaro.com		

Landowner:	**Farm Appelvlakte 448 LQ-Portion 1**		
Contact person:	Lephalale Local Municipality		
Postal address:	Victor Monyepao – Communications Department		
Postal code:	Private Bag X136, Lephalale, Limpopo		
Telephone:	0555	Cell:	+27 78 384 0954
E-mail:	+27 014 762 1412	Fax:	
	victor.monyepao@lephalale.gov.za		

In instances where there is more than one landowner, please attach a list of landowners with their contact details to this application.

Ownership of the property (mark only one with an X)

Eskom will contact the land owners for negotiation if their properties are selected for the construction of the proposed ash disposal facility. At this stage, the landowners have only been notified of the proposed project and acknowledgement received from them.

Property owned by applicant (100% Share value)	-	Property leased by applicant	-
Property owned by applicant (Share value less than 100%)	-	The property is communal land	-

Local authority in whose jurisdiction the proposed activity will fall:	Lephalale Local Municipality		
Nearest town or districts:	Ellisras / Lephalale		
Contact person:	Mrs. Maria Cocquyt		
Postal address:	Private Bag X136 Lephalale		
Postal code:	0555	Cell:	
Telephone:	014 762 1423 / 014 762 1409	Fax:	014 763 5662
E-mail:	chirsta.roselt@lephalale.gov.za		

In instances where there is more than one local authority involved, please attach a list of local authorities with their contact details to this application.

N/A

Please note that a complete list of all organs or state and or any other applicable authority with their contact details must be appended to this application.

Property description / physical address:

- **Farm Zwartwater 507 LQ**
- **Farm Vooruit 449 LQ**
- **Farm Droogeheuvel 447 LQ**
- **Farm Ganzepan 446 LQ**
- **Farm Appelvlakte 448 LQ, portions 0, 1 & 2**
- **Farm Grootestryd 465 LQ-Portion 0**
- **Farm Zongesien 467 LQ – Portion 0**
- **Farm Nelsonskop 464 LQ**

(Farm name, portion etc.) Where a large number of properties are involved (e.g. linear activities), please attach a full list to this application.

In instances where there is more than one town or district involved, please attach a list of towns or districts to this application.

Current land-use where the site is situated:

Industrial	X	Recreation	
Agriculture	X	Commercial	
Residential		Mining & quarrying	
Forestry		Wilderness areas	
Wetlands		Nature area	
Open spaces			

Other current land-Use.....**Wildlife Reserve.**

Current land-use zoning:

Agricultural
Wildlife Reserve
Industrial

In instances where there is more than one current land-use zoning, please attach a list of current land use zonings that also indicate which portions each use pertains to, to this application.

Is a change of land-use or a consent use application required? Must a building plan be submitted to the local authority?

YES	**NO**
YES	**NO**

Locality map: An A3 locality map must be attached to the back of this document, as Appendix A. The scale of the locality map must be relevant to the size of the development (at least 1:50 000. For linear activities of more than 25 kilometres, a smaller scale e.g. 1:250 000 can be used. The scale must be indicated on the map.) The map must indicate the following:

- an accurate indication of the project site position as well as the positions of the alternative sites, if any;
- road access from all major roads in the area;
- road names or numbers of all major roads as well as the roads that provide access to the site(s);
- all roads within a 1km radius of the site or alternative sites; and a north arrow;
- a legend;
- and locality GPS co-ordinates (Indicate the position of the activity using the latitude and longitude of the centre point of the site for each alternative site. The co-ordinates should be in degrees and decimal minutes. The minutes should have at least three decimals to ensure adequate accuracy. The projection that must be used in all cases is the WGS84 spheroid in a national or local projection).

4. SITE IDENTIFICATION AND LINKAGE, LOCATION AND LANDUSE

4.1 Please indicate all the Surveyor-general 21 digit site (erf/farm/portion) reference numbers for all sites (including portions of sites) that are part of the application.

T	0	L	Q	0	0	0	0	0	0	0	0	0	5	0	7	0	0	0	0	0
T	0	L	Q	0	0	0	0	0	0	0	0	0	4	4	9	0	0	0	0	0
T	0	L	Q	0	0	0	0	0	0	0	0	0	4	4	7	0	0	0	0	0
T	0	L	Q	0	0	0	0	0	0	0	0	0	4	4	6	0	0	0	0	0
T	0	L	Q	0	0	0	0	0	0	0	0	0	4	4	8	0	0	0	0	0
T	0	L	Q	0	0	0	0	0	0	0	0	0	4	4	8	0	0	0	0	1
T	0	L	Q	0	0	0	0	0	0	0	0	0	4	4	8	0	0	0	0	2
T	0	L	Q	0	0	0	0	0	0	0	0	0	4	6	5	0	0	0	0	0
T	0	L	Q	0	0	0	0	0	0	0	0	0	4	6	4	0	0	0	0	0
T	0	L	Q	0	0	0	0	0	0	0	0	0	4	6	7	0	0	0	0	0
1	2				3				4								5			

LEGEND:
1. Refers to the Surveyor's-General Office
2. Major Code (Registration Division)
3. Minor code
4. Property No (i.e. Farm No./Erf No./Holding Area No./Scheme No.)
5. Portion Number

(if there are more that 6, please attach a list with the rest of the numbers)
(These numbers will be used to link various different applications, authorisations, permits etc. that may be connected to a specific site)

4.2 If the property type is not surveyed, complete the following:

Full name of leader of village, community or tribal authority

[redacted]

Local Authority

Magisterial District

Tribal Authority/Council

PART C: LISTED ACTIVITIES APPLIED FOR IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998 AND THE ENVIRONMENTAL IMPACT REGULATIONS, 2010

1. ACTIVITIES APPLIED FOR TO BE AUTHORISED

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

Indicate the number and date of the relevant notice:	Activity No (s) (in terms of the relevant or notice) :	Describe each listed activity as per the detailed project description (and not as per wording of the relevant Government Notice):
GN 544 June 2010 (Listing Notice 1)	9	Stormwater channels/berms will be required for the diversion of stormwater run-off to the new or existing pollution control dams.
GN. 544 June 2010 (Listing Notice 1)	11	Site Alternative 1 – applicable to the construction of stormwater channels and leachate collection pipes that are constructed within a watercourse, or within 32 m of a watercourse. Site Alternative 2 - applicable to the construction of stormwater channels, leachate collection pipes and pollution control dam that are constructed within a watercourse, or within 32 m of a watercourse.
GN.544 June 2010 (Listing Notice 1)	18	Infilling or depositing of material exceeding the 5 cubic meter threshold into a watercourse i.e. ephemeral drainage lines associated with both site alternatives.
GN. 544 June 2010 (Listing Notice 1)	22	Site Alternative 1 – construction of haul roads to allow for easy access to the dump for loading and maintenance. Site Alternative 2 – construction of construction of haul roads to allow for easy access to the dump for loading and maintenance as well as access to the conveyor belt route for maintenance purposes.
~~GN. 544 June 2010 (Listing Notice 1)~~	~~24~~	~~The ash disposal facility to be constructed will cover an area of 651 ha. An 8km radius from the Matimba Power Station forms the study area under assessment for the proposed ash disposal facility. The properties falling under the 8km radius may fall under open space or conservation zoning.~~ Not applicable.
GN. 544 June 2010 (Listing Notice 1)	28	A Water Use Licence (WUL) ~~and a Atmospheric Emission Licence (AEL)~~ will need to be applied for the proposed ash disposal facility.
GN. 544 June 2010 (Listing Notice 1)	37	Expansion of existing stormwater channels will be required for the diversion of stormwater run-off to the new or existing pollution control dams.
GN. 544 June 2010 (Listing Notice 1)	39	If Site Alternative 1 is authorised as the preferred site then existing stormwater channels may be expanded. This activity is applicable if the expansion occurs within a watercourse or within

		32 m of a watercourse.
GN. 544 June 2010 (Listing Notice 1)	40	Applicable to Site Alternative 1 if existing infrastructure is expanded.
GN. 544 June 2010 (Listing Notice 1	47	Access roads may be constructed in order to reach all sections of the site during the construction and operational (maintenance) phases of the project.
GN. 544 June 2010 (Listing Notice 1	49	The overland ash conveyor may be expanded to the proposed ash disposal facility. A suitable site for ash disposal will be determined once all site alternatives have been assessed.
GN. 545 June 2010 (Listing Notice 2)	3	Diesel may be stored at the site for the fuelling of construction vehicles and equipment. Quantities have not been determined.
GN. 545 June 2010 (Listing Notice 2)	6	Construction of a new conveyor (that forms part of the linear infrastructure route) to transport ash to Site Alternative 2.
GN. 545 June 2010 (Listing Notice 2)	15	Site Alternative 1 - approximately 510 ha is available as a greenfields site with the remaining 190 ha being available through construction of the new ADF over the existing ADF by piggy-backing. Site Alternative 2 - approximately 660 ha will be needed for the development of the facility.
~~GN. 545 June 2010 (Listing Notice 2)~~	~~26~~	~~An Atmospheric Emission Licence (AEL) will need to be applied for the proposed ash disposal facility.~~ Not applicable.
GN. 546 June 2010 (Listing Notice 3)	4	Site Alternative 1 is 4 km from the eastern edge of the Tierkop Private Nature Reserve. According to the Limpopo C-Plan metadata, this area is designated as a nature reserve.
GN. 546 June 2010	16	Site Alternative 1 is 4 km from the eastern edge of the Tierkop Private Nature Reserve. According to the Limpopo C-Plan metadata, this area is designated as a nature reserve.

Please note that any 15uthorization that may result from this application will only cover activities specifically applied for.

2. TYPE OF APPLICATION REQUIRED FOR ABOVE-MENTIONED ACTIVITIES

2.1 Application for Basic Assessment

Is this an application for conducting a basic assessment (as defined in the Regulations)?		NO

Please indicate when the basic assessment report will be submitted:

The S&EIR report will be submitted after consultation with the competent authority:	YES ■

2.2 Application for Scoping and Environmental Impact Reporting (S&EIR) assessment

Is this an application for S&EIR (as defined in the Regulations)?	YES ■

Please indicate when the S&EIR Report (including the Plan of Study for EIA) will be submitted:

The Final Environmental Scoping Report was submitted in July 2013 and accepted in September 2013.

PART D: ACTIVITIES APPLIED FOR IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT: WASTE ACT, 2008 AND THE ENVIRONMENTAL IMPACT REGULATIONS, 2010

SECTION 1: TYPE OF APPLICATION AND FACILITY:

1.2 Indicate the type of facility/operation and fill in the required sections only

TYPE OF ACTIVITY	MARK	SECTIONS OF THE FORM TO BE FILLED IN
Recycling and/or recovery Facility		All except Section 5
Storage and or transfer Facility		All except Section 5
Treatment facility		All except Section 5
Disposal facility	X	All

1.2 Activities applied for:

An application may be made for more than one listed or specified activity that, together, make up one development proposal. All the listed activities that make up this application must be listed.

INDICATE THE NO. & DATE OF THE RELEVANT NOTICE:	ACTIVITY NUMBERS (AS LISTED IN THE WASTE MANAGEMENT ACTIVITY LIST) :	DESCRIBE EACH LISTED ACTIVITY (and not as per the wording of the relevant Government Notice):
Government Notice 921 (November 2013) Category B	1	A new pollution control dam will need to be constructed if Site Alternative 2 is selected as the preferred option.
Government Notice 921 (November 2013) Category B	7	Ash classified as being hazardous will be disposed of at either the existing ash disposal facility (Site Alternative 1) or a new ash disposal facility (Site Alternative 2).
Government Notice 921 (November 2013) Category B	10	Applicable to the construction of a new ash disposal facility or the expansion of the existing ash disposal facility.
Government Notice 921 (November 2013) Category C	2	**Not applicable.** Please Note: When it is not possible to ash from either the stacker or spreader machines such as when the conveyor belt is out of commission and all ash storage capacity within the station has been utilized, then the emergency ash offloading area is used. It is proposed needs to be extended by 4680m^2 to a total area of 5580m^2 and whilst the 80m^3 capacity will be reached, it is considered the temporary storage of hazardous waste and therefore this activity is excluded.

NB: Authorisation issued will only cover activities applied for and listed above. Activities added in the middle or after the processing of this authorisation may mean a totally new application.

1.3 TYPE OF APPLICATION REQUIRED FOR ABOVE-MENTIONED ACTIVITIES

1.3.1 Application for Basic Assessment

Is this an application for conducting a basic assessment (as defined in the Regulations)?		NO

Please indicate when the basic assessment report will be submitted:

1.3.2 Application for Scoping and Environmental Impact Reporting (S&EIR) assessment

Is this an application for S&EIR (as defined in the EIA Regulations, 2010) reporting?	YES	

Please indicate when the S&EIR Report (including the Plan of Study for EIA) will be submitted:

The draft Environmental Scoping report was submitted in May 2013.

The S&EIR report will be submitted after consultation with the competent authority:

YES

1.4 Size of Site and Classification

Size of facility for a waste management activity	700 hectares
Area where the waste management activity takes place	**Farm Zwartwater 507 LQ** **Farm Vooruit 449 LQ** **Farm Droogeheuvel 447 LQ** **Farm Ganzepan 446 LQ** **Farm Appelvlakte 448 LQ**
Classification of facility in terms of climatic water balance	Ash is Type 3 requiring a Class C Lining System The climatic water balance concludes that the area is not classified as a leachate generating catchment as annual evaporation is higher than annual precipitation
Classification of Facility in terms of the type and the quantity of waste received	**Large and high hazardous site as a precautionary approach.** Ash is Type 3 requiring a Class C Lining System

1.5 Operational times

PERIOD	FROM	UNTIL
Weekdays	**24 hours a day**	
Saturdays	**24 hours a day**	
Sunday	**24 hours a day**	
Public holidays	**24 hours a day**	

SECTION 2: WASTE QUANTITIES

2.1 Indicate or specify types of waste and list the estimated quantities expected to be managed daily (should you need more columns, you are advised to add more)

Hazardous waste	Non hazardous waste	Total waste handled (tonnes per day)
Ash	-	approximately 16400 tons

Source of information supplied in the table above Mark with an "X"

Determined from volumes	X
Determined with weighbridge/	
Estimated	

2.2 Recovery, Reuse, Recycling, treatment and disposal quantities:

Indicate the applicable waste types and quantities expected to be disposed of and salvaged annually:

TYPES OF WASTE	MAIN SOURCE (NAME OF COMPANY)	QUANTITIES		ON-SITE RECOVERY REUSE RECYCLING TREATMENT OR DISPOSAL	OFFSITE RECOVERY REUSE RECYCLING TREATMENT OR DISPOSAL	OFFSITE DISPOSAL
		TONS/MONTH	M³/MONTH	method & location	method location and contractor details	
Ash	Eskom Matimba Power Station	Approximately 500 000 tons	546964	Dry Ashing on farms: Zwartwater 507 LQ Vooruit 449 LQ Droogeheuvel 447 LQ Ganzepan 446 LQ Appelvlakte 448 LQ The above listed farms are under assessment in the EIA as site alternatives for the location of the ash disposal facility.	-	-

SECTION 3: GENERAL

3.1 Prevailing wind direction (e.g. NWW)

November – April	East South East
May - October	East South East

3.2 The size of population to be served by the facility

The facility will be used for the disposal of ash produced from coal combusted at the Matimba Power Station. The population indicated is the population which will be served by the primary activity which is the generation of electricity.

	Mark with "X"	Comment
0-499		
500-9,999		
10,000-199,999		
200,000 upwards	X	

3.3 The geological formations underlying the site:

Granite		Quartzite	
Shale	X	Dolomite	
Sandstone	X	Dolerite	

Other_____

SECTION 4: COMPETENCE TO OPERATE SITE

It is imperative that the holder of the waste management licence is a fit person in terms of section 59 of the NEMWA (59 of 2008). To assess the holder's competence to operate the site, please disclose the following:

4.1 Legal compliance

	YES/NO	DETAILS
Has the applicant ever been found guilty or issued with a non compliance notice in terms of any national environmental management legislation?	NO	These details have specific reference to Matimba Power Station
Has the applicant's licence in terms of the Waste Act 2008 ever been revoked?	NO	
Has the applicant ever been issued with a non compliance notice or letter in terms of any South African Law?	NO	

***NB**: Details required above include any information that the applicant wants the Department to take into consideration in determining whether they are a "fit person" and this includes reasons why the offence happened and measures in place to prevent recurrence*

4.2 Technical competence

What technical skills are required to operate the site?	The management and/or operation of the ash disposal site is divided into two contracts, i.e. Professional Service and Construction contracts entered into with Roshcon. The Professional Service Contract is handled by Auxiliary Engineering and deals with the engineering services provided by Roshcon at the ash disposal facility. It is a requirement that a registered civil engineer be appointed for this purpose from the contractor's side. A system engineer from Matimba's auxiliary engineering with a civil engineering qualification is to be involved in the operations of the ash disposal facility to look at and address the technical requirements of the site.
How will the applicant ensure and maintain technical competency in the operation of the site?	The employee(s) responsible for managing the contract(s) relating to the management of the ash disposal facility are encouraged to attend courses relating/specific to contract and waste management. Matimba PS representatives are to be involved in engineering designs when consultants are utilised in order to transfer skills.

4.3 Details of applicant's experience and qualification along with that of relevant employees must be summarized as shown in the table below:

NAME	POSITION	DUTIES AND RESPONSIBILITIES	QUALIFICATIONS AND EXPERIENCE
Bheki Nxumalo	Power Station Manager	Management, ensuring safety operation of the Power Station including Human Resources, Finance, Technical and Environmental management	MBA, NHD Eng, 6 years Petrochemical Industry and 16 years Power Plant experience 12 years at Power Station Senior Management.
Mpolokeng Mampane	Senior Civil Technician	Responsible for the management of the civil plant in the station. Developing and maintaining maintenance strategies on civil assets, initiating and executing civil projects in the station.	National Diploma: Civil engineering 7 years working experience
Vuyisa Masakane	Senior Civil Engineer	Lead Discipline Engineer (LDE) responsible for support and assistance in civil plant engineering matters (investigations, designs & implementation) and compliance thereof to the Eskom governance processes for Coal 1 (Matimba,Majuba, Kendal, Medupi & Kusile)	B. Sc. (Civil Engineering), Pr Eng, 10 years working experience

4.4 Financial Provisions

Provide a plan of estimated expenditure for the following:

	ATTACHED/NOT ATTACHED	SECTION OF THE REPORT WHERE IT IS ATTACHED
Environmental Monitoring	Not Attached	This information is as yet unknown – further details to be provided once it is available. The information will be provided at EIAR.
Provision and replacement of infrastructure	Not Attached	
Restoration and aftercare	Not Attached	

SECTION 5: LANDFILL PARAMETERS

5.1 The method of disposal of waste:

Land-building		Land-filling	X	Both	

The dimensions of the disposal site in metres

	At commencement	After rehabilitation
Height/Depth	Footprint is estimated to be 700ha requiring 297 million m^3 of air space.	
Length		
Breadth		

5.2 The total volume available for the disposal of waste on the site:

Volume Available	Mark with "X"	Source of information (Determined by surveyor/ Estimated)
Up to 99		
100-34 999		
35 000- 3,5 million		
>3,5 million	X	Matimba Power Station is anticipated to ash approximately 500000 tons per month until the end of its life span (approximately 40 years remaining). This ash disposal facility shall be able to accommodate the ashing requirements of the power station for the next 40 years

5.3 The total volume already used for waste disposal:

(a) Will the waste body be covered daily		NO
(b) Is sufficient cover material available	YES	
(c) Will waste be compacted daily		NO

If the answers (a) and/or (b) are No, what measures will be employed to prevent the problems of burning or smouldering of waste and the generation of nuisance?

The covering of the ash body is done when final shaping and levelling is completed. Until then, measures are put in place in order to control problems arising from the placement of the dry ash. A water sprinkler system is put in place at the advancing face of the ash disposal facility as a dust suppression method. The ash body is watered until it forms a crust that is resistant to wind blown over it. Another method is to spread a 50mm layer of soil on top of the ash body to aid in dust suppression as well. This is done to minimise the usage of water at the ash disposal site.

5.4 The Salvage method

Mark with an "X" the method to be used – **Not Applicable**

At source	
Recycling installation	
Formal salvaging	
Contractor	
No salvaging planned	

5.5 Fatal Flaws for the site:

Indicate which of the following apply to the facility for a waste management activity:
Based on the current information, the following have been assessed but will be verified and updated during scoping.

Within a 3000m radius of the end of an airport landing strip	NO
Within the 1 in 50 year flood line of any watercourse	NO
Within an unstable area(fault zone, seismic zone, dolomitic area, sinkholes)	YES
Within the drainage area or within 5 km of water source	YES
Within an area with shallow and/or visible water table	NO
Within an area adjacent to or above an aquifer	YES
Within an area with shallow bedrock and limited available cover material	NO
Within 100 m of the source of surface water	NO
Within 1km from the wetland	YES
Indicate the distance to the boundary of the nearest residential area	2800 metres
Indicate the distance to the boundary of the industrial area	None in the 8 km radius area.

5.6 Wettest six months of the year

November- April	X
May -October	

5.7 For the wettest six month period indicated above, indicate the following for the preceding 30 years.

Please note that the rainfall section of the table below has been filled in with data for the period 1982 to 2009. A-pan evaporation data has not been obtained for the area and further requests have been made. This portion of the report will be updated in the EIA report.

	Total rainfall for 6 months	Total A-pan evaporation for 6 months	Climatic water balance
For the 1st wettest year	796.5		
For the 2nd wettest year	574		
For the 3rd wettest year	568		
For the 4th wettest year	550.5		
For the 5th wettest year	540		
For the 6th wettest year	499		
For the 7th wettest year	495.5		
For the 8th wettest year	476		
For the 9th wettest year	437		
For the 10th wettest year	431		

5.8 Location and depth of ground water monitoring boreholes:

Table 1: National Groundwater Archive (NGA) Borehole Data within the Study Area

Geosite Info Identifier	Latitude	Longitude	Water Level Measurement Date	Water Level (mbgl)	Water Use
1	-23.7174	27.5997	-	-	-
2	-23.7174	27.5997	-	-	-
7	-23.6507	27.5997	-	-	-
8	-23.6508	27.5997	1958/04/23	27.43	-
9	-23.7116	27.55553	-	-	-
10	-23.7119	27.55581	-	-	-
11	-23.7094	27.55303	1958/02/11	30.48	-
13	-23.7096	27.55359	1958/01/04	9.14	-
14	-23.7099	27.55387	1958/08/04	10.36	-

Geosite Info Identifier	Latitude	Longitude	Water Level Measurement Date	Water Level (mbgl)	Water Use
15	-23.7102	27.55414	1958/07/18	21.34	-
16	-23.7105	27.55442	1958/06/04	45.72	-
17	-23.7107	27.5547	1958/01/25	60.96	-
18	-23.711	27.55498	-	-	-
19	-23.7007	27.56642	1958/04/30	13.72	
26	-23.6144	27.62526	1960/08/25	21.34	-
29	-23.7263	27.56637	1960/02/10	22.86	-
30	-23.7263	27.56637	1959/12/14	22.86	-
31	-23.7263	27.56638	1961/06/09	48.77	-
33	-23.7263	27.56639	1960/10/31	18.29	-
35	-23.7263	27.5664	1959/11/24	22.86	-
51	-23.6849	27.6022	-	-	-
52	-23.6849	27.60192	-	-	-
53	-23.6852	27.60192	1953/06/05	60.96	-
54	-23.6855	27.60192	1953/06/30	24.38	-
70	-23.6552	27.64192	-	-	-
71	-23.6555	27.67526	1957/01/12	33.53	-
72	-23.6557	27.67553	1957/01/04	27.43	-
73	-23.6596	27.64972	-	-	-
74	-23.656	27.67581	1951/10/30	30.48	-
75	-23.6563	27.67609	1957/12/14	33.53	-
76	-23.6597	27.6497	-	-	-
77	-23.6566	27.67637	-	-	-
78	-23.6569	27.67664	-	-	-
79	-23.6571	27.67692	1957/12/14	39.62	-
83	-23.6855	27.54664	-	-	-
85	-23.7263	27.64192	1956/09/15	9.14	-
86	-23.7263	27.64192	1956/10/10	6.4	-

Geosite Info Identifier	Latitude	Longitude	Water Level Measurement Date	Water Level (mbgl)	Water Use
96	-23.6174	27.56637	-	-	-
102	-23.643	27.64192	1965/08/11	24.08	-
103	-23.631	27.64193	-	-	-
104	-23.6313	27.64192	1953/10/07	33.53	-
105	-23.6316	27.64194	1958/04/09	30.48	-
107	-23.593	27.66637	-	-	-
114	-23.6277	27.6497	1957/02/02	33.53	-
115	-23.6338	27.6497	-	-	-
116	-23.6341	27.64971	1955/08/18	42.67	-
117	-23.6335	27.6497	-	-	-
118	-23.6341	27.64972	1955/09/17	51.82	-
119	-23.6338	27.6497	1955/10/07	35.05	-
128	-23.6727	27.53609	-	-	-
150	-23.6241	27.57192	-	-	-
152	-23.6244	27.57192	1958/02/19	21.34	-
161	-23.6146	27.62527	1960/08/05	24.38	-
162	-23.6141	27.62526	-	-	-
163	-23.6138	27.62528	1960/08/16	27.43	-
164	-23.6135	27.62526	1954/03/02	23.77	-
165	-23.6124	27.62637	1990/06/14	23	-
166	-23.6121	27.62664	-	-	-
167	-23.6127	27.62637	-	-	-
168	-23.613	27.62553	-	-	-
169	-23.6132	27.62553	-	-	-
178	-23.6319	27.6422	1991/07/25	24	-
179	-23.6321	27.66026	-	-	-
180	-23.6324	27.65498	-	-	-
182	-23.6632	27.74414	-	-	-

Geosite Info Identifier	Latitude	Longitude	Water Level Measurement Date	Water Level (mbgl)	Water Use
261	-23.6966	27.62053	1955/10/10	3.05	Stock Watering
262	-23.6969	27.62081	1964/10/01	20.42	-
263	-23.6969	27.62109	-	-	-
264	-23.6971	27.62137	1965/05/11	18.29	Stock Watering
265	-23.6974	27.62164	1952/04/28	60.96	-
266	-23.6977	27.62192	1952/06/05	27.43	Domestic
271	-23.7424	27.55803	1972/07/27	23.16	Stock Watering
273	-23.6632	27.68636	1953/12/18	35.66	Irrigation
274	-23.6632	27.6863	1980/05/28	15	-
275	-23.6632	27.68637	1980/06/03	50	-
276	-23.6632	27.68636	-	-	-
277	-23.6632	27.68638	1980/06/23	50	-
301	-23.7216	27.55803	1953/12/05	3.35	Agriculture
302	-23.7216	27.55804	1953/11/16	1.83	-
303	-23.7216	27.55804	1953/11/16	1.83	-
312	-23.6507	27.59971	1954/03/11	19.81	-
347	-23.716	27.62442	1995/10/03	64	-
348	-23.7116	27.62803	-	-	-
10	-23.7582	27.59248	1957/09/17	7.32	-
12	-23.7588	27.59303	1963/11/30	18.29	-

Table 2: Ground Water Resource Information Project (GRIP) Borehole Data within the Study Area

Borehole ID	Latitude	Longitude	Current status	Water Level (mbgl)	Borehole Depth (m)
H21-0668	-23.69438	27.62591	Destroyed	32.54 m	-
H21-0525	-23.64426	27.64834	-	-	-
H21-0526	-23.66763	27.67558	-	-	-
H21-0667	-23.67939	27.67733	-	32.54	300
H21-0666	-23.68264	27.67292	-	33.31	216
H21-0670	-23.71166	27.65713	-	3.96	213

Table 3: Matimba Power Station Monitoring Borehole Data

BH ID	Latitude	Longitude	Borehole locality	Depth (m)	Water level (m)
B01	-23.701283	27.61905	Monitoring borehole, North-eastern corner of ash stack	10	7.68
B02	-23.704067	27.602933	Monitoring borehole, northern perimeter of ash stack	30	20.18
B03	-23.6972	27.617717	Monitoring borehole, northern-eastern corner northern ash water collecting dam P05	13	14.41
B04	-23.66935	27.594967	Monitoring borehole western perimeter of old rehabilitated waste site.	15	11.85
B05	-23.6658	27.59565	Monitoring borehole northern perimeter of old rehabilitated waste site	15	7.42
B06	-23.662383	27.599733	Monitoring borehole north-eastern corner of CSP, North of transfer house.	13	9
B07	-23.663607	27.604917	Monitoring borehole northern perimeter of CSP, North of conveyer	13	5.38
B08	-23.6591	27.608867	Monitoring borehole north western corner of CSP, dirty water runoff dams	13	6
B09	-23.65755	27.613367	Monitoring borehole north –eastern corner of CSP dirty water run-off dams P02	7&25	3.78
B10	-23.6687	27.633667	Monitoring borehole southern corner of station drain dams POD	6	3.75
B11	-23.671433	27.631983	Monitoring borehole eastern corner of station drain dams POD	6	4.5
B12	-23.698383	27.617867	Monitoring borehole, south-eastern corner of northern ash water collecting dam P05	5.5	Dry/blocked
B13	-23.65225	27.61495	Monitoring borehole North –Western corner of Marapong.downstream of CSY.B08,B09,B25,&B34	13	7.45
B14	-23.50885	27.654583	Monitoring borehole west of Marapong sport grounds.	13	6.89

BH ID	Latitude	Longitude	Borehole locality	Depth (m)	Water level (m)
			Downstream of CSY,B08,B09,B25,&B13		
B15	-23.65315	27.632083	Monitoring borehole in Marapong village, house 2883.downstream of CSY,B08,B09,B25,B34,B13&B34	14	2.75
B16	-23.665217	27.639667	Monitoring borehole North –East of station drain dams POD on private farm Peerboom 466.downstream from P03,B10 &B11	13	9.45
B17	-23.663667	27.652267	Monitoring borehole North –East of station drain dams P03, on the private farm Peerboom 466.downstream from P03,B11,&B16	30	No access
B18	-23.670735	27.651698	Monitoring borehole east of the station drain dams P03 on private farm Eendracht 505.downstream from P03,B10 & B19	~	11.31
B19	-23.669868	27.640573	Monitoring borehole east of station drains dams P03,on the private farm Eendracht 505.downstream from P03,B10,B11 & B19	~	6.43
B20	-23.697317	27.624133	Monitoring borehole, east of water return dams P05 next to fence. Downstream of P05, B03 B12	17	14.47
B21	-23.701533	27.62355	Monitoring borehole, North-east of ash stack next to fence. Downstream of ash stack, P05, B01, B03 & B12	15	6.45
B22	-23.699983	27.636833	Monitoring borehole, north-east of ashing area of private farm Altopostyd 506. Downstream of ash stack, P05, B01, B03, B12, B20 & B21.	25	17.41
B23	-23.714267	27.621667	Monitoring borehole, eastern perimeter of ash stack & north-eastern corner of eastern ash water collecting dam P06	12	7.96
B24	-23.72055	27.623517	Monitoring borehole, north-east of ashing area of private farm Worcester 520. Downstream of ash stack P06, B23 & B29	11	2.88
B25	-23.6553	27.604267	Monitoring bore north of CSY inside security area at new development. Downstream of CSP,B06,B07,&B34	19	Damaged
B26	-23.6699	27.598367	Monitoring borehole eastern perimeter of old rehabilitated of old rehabilitated waste site	13	Dry
B27	-23.669633	27.610067	Monitoring borehole east of fuel tanks and filling stations in power station area	9	4.46
B28	-23.6679	27.600017	Monitoring borehole south –western corner of CSP north of ash transfer house	12	5.8
B29	-23.720467	27.617117	Monitoring borehole south-eastern corner of ash stack	13	5.9
B30	-23.719017	27.61355	Monitoring borehole southern perimeter of ash stack	11	Destroyed
B31	-23.723533	27.605833	Monitoring borehole south of ash stack. Downstream of	19	13.96

BH ID	Latitude	Longitude	Borehole locality	Depth (m)	Water level (m)
			ash stack, B30 & B35		
B32	-23.64485	27.5932	Monitoring borehole west of sewage plant between plant and old natural ponds.	24	20.28
B33	-23.644667	27.595167	Monitoring borehole east of sewage plant next to dirt road.	25	20.48
B34	-23.658083	27.60755	Monitoring borehole north of CSY at access gate to irrigation dam P08	9	5.88
B35	-23.7145	27.602383	Monitoring borehole south and downstream of ash stack.	7	Destroyed
B36	-23.634117	27.648783	Monitoring borehole north-east of power station area on private farm Zongezien 467. Borehole at farm house	~	No access
B37	-23.634117	27.6449	Monitoring borehole north –east of power station area on private farm Zongezien 467.Borehole at farm house	33	29.98
B37i	~	~	Monitoring borehole north – east of power station area on private farm Zongezien 467	~	Location unknown
B38	-23.6538	27.674017	Monitoring borehole east of power station area on private farm peerboom 466.Borehole at farm house .Downstream from B17 & B18	NA	Collapsed
B40	~	~	Monitoring borehole east of power station area on private farm peerboom 466. Downstream from B17&B18	~	Location unknown

Table 4: Grootegeluk Mine Monitoring Borehole Data

Borehole ID	Latitude	Longitude	Elevation (mamsl)	Water Level Elevation (mamsl)	Water Level (mbgl)
GHK17	-23.66506	27.68348	845.67	816.65	29.02
GHK26	-23.6612	27.68553	843.7	818.2	25.5
NN11	-23.68831	27.58406	877.76	854.04	23.72
NN12	-23.69057	27.58162	880.36	830.4	49.96
NN13	-23.68834	27.58165	879.99	856.18	23.81
OBS2	-23.65586	27.54733	902.41	892.85	9.56
TE66	-23.67933	27.57422	883.51	862.03	21.48
TE70	-23.68608	27.5767	881.76	862.46	19.3

Borehole ID	Latitude	Longitude	Elevation (mamsl)	Water Level Elevation (mamsl)	Water Level (mbgl)
TE88	-23.68609	27.5693	885.6	875.54	10.06
TE89	-23.68256	27.57424	882.78	865.13	17.65
TE90	-23.68176	27.5423	894.67	841.32	53.35
WB19B	-23.65576	27.5473	902.38	873.28	29.1
WB25	-23.66033	27.56523	895.3	890.57	4.73
WB33	-23.65708	27.54863	901.35	888.4	12.95
WB34	-23.65471	27.54765	904.19	881.24	22.95
WB35	-23.65532	27.54468	902.44	871.46	30.98
WB36	-23.65809	27.54053	901.7	883.36	18.34
WB40	-23.66874	27.56888	895.24	888.52	6.72
WB42	-23.66978	27.55489	893.58	883.53	10.05
WB43	-23.66533	27.55837	894	884.68	9.32
WB45	-23.6649	27.56437	895.01	889.64	5.37
WB46	-23.66846	27.5643	894.11	890.37	3.74
WB47	-23.65798	27.56088	896.72	891.91	4.81
WB48	-23.65475	27.56388	896.02	891.77	4.25
WB49	-23.65794	27.55955	896.78	889.73	7.05
WB50	-23.65078	27.56328	896.61	880.61	16
WB51	-23.6606	27.56676	895.39	885.07	10.32
WB9	-23.68162	27.53508	897.7	839.35	58.35
WBR14P1	-23.6452	27.54194	911.51	882.64	28.87
WBR14P2	-23.6452	27.54194	911.51	882.75	28.76
WBR14P3	-23.6452	27.54194	911.51	897.26	14.25
WBR15	-23.64467	27.55609	902.24	890.77	11.47
WBR16	-23.64011	27.54922	908.68	886.36	22.32
WBR17	-23.67195	27.54886	894.38	874.59	19.79
WBR18	-23.67015	27.55221	892.98	888.46	4.52
WBR2	-23.65657	27.57637	897	888.6	8.4

Borehole ID	Latitude	Longitude	Elevation (mamsl)	Water Level Elevation (mamsl)	Water Level (mbgl)
WBR22P2	-23.68158	27.5668	886.65	854.55	32.1
WBR24	-23.63901	27.57888	887.27	875.92	11.35
WBR26	-23.66612	27.5617	894.67	889.5	5.17
WBR28	-23.64722	27.5516	905.54	888.83	16.71
WBR29	-23.66501	27.55661	894.9	889	5.9
WBR3	-23.63658	27.56375	893.17	890.17	3
WBR30	-23.66564	27.55663	894.73	888.93	5.8
WBR31	-23.66472	27.55734	894.88	888.97	5.91
WBR32	-23.64543	27.56684	893.6	888.2	5.4
WBR36	-23.67355	27.57018	892.82	887.06	5.76
WBR37	-23.70176	27.57775	895.23	881.03	14.2
WBR37A	-23.70176	27.57786	895.27	881.9	13.37
WBR38	-23.65431	27.6018	873.6	860.25	13.35
WBR39	-23.67662	27.55924	891.02	886.26	4.76
WBR4	-23.64251	27.57335	890.44	887.56	2.88
WBR5P1	-23.63652	27.57322	886.57	884.23	2.34
WBR6P1	-23.64195	27.56813	896.33	896.78	-
WBR6P2	-23.64195	27.56813	896.33	889.59	6.74
WBR7	-23.6422	27.5931	886.94	863.95	22.99
WBR8	-23.62611	27.57597	879.55	867.67	11.88
APL	-23.63539	27.57458	-	-	-
FL1	-23.65051	27.58611	-	-	-
WBR39	-23.67662	27.55924	891.02	-	-
WB31	-23.60821	27.57079	882.02	-	-

5.9 Location and depth of landfill gas monitoring test pit:

The facility is not an engineered landfill site and this is therefore not applicable.

Codes of boreholes	Borehole locality	Latitude	Longitude
.....	.....	° ' "	° ' "
.....	.....	° ' "	° ' "
.....	.....	° ' "	° ' "
.....	.....	° ' "	° ' "
.....	.....	° ' "	° ' "
.....	.....	° ' "	° ' "
.....	.....	° ' "	° ' "

PART E: DECLARATION BY THE APPLICANT

1. The Applicant

I, Eskom Holding, declare that I - Deidre Herbst on behalf of Eskom Holdings

am, or represent[1], 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[2];

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 Environmental Impact Assessment Regulations, 2010, 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 these Regulations and will take reasonable steps to verify whether the EAP 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

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

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

I realise that a false declaration is an offence in terms of regulation 71 and is punishable in terms of section 24F of the Act.

Signature of the applicant[3]/ Signature on behalf of the applicant:

Eskom Holdings

Name of company (if applicable):

17 July 2015

Date:

Matimba - Ash Disposal facility

[3] If the applicant is a juristic person, a signature on behalf of the applicant is required as well as proof of such authority.

Royal HaskoningDHV
Enhancing Society Together

Appendix A: Maps