



**Royal  
HaskoningDHV**  
*Enhancing Society Together*

# **Appendix F: Public Participation Report**



# EIA Phase Public Participation Report: Environmental Impact Assessment for the Proposed Continuous Ash Disposal Facility for the Matimba Power Station in Lephalale, Limpopo Province

Date: July 2015



## DOCUMENT DESCRIPTION

**Client:**

Eskom SoC Holdings Ltd

**Report Name:**

EIA Phase Public Participation Report:  
Environmental Impact Assessment for the Proposed Continuous Ash Disposal  
Facility for the Matimba Power Station in Lephalale, Limpopo Province

**Royal HaskoningDHV Reference Number:**

E02.JNB.001222

**Authority Reference Number:**

DEA Ref: 14/12/16/3/3/3/56

**Compiled by:**

Prashika Reddy

**Date:**

July 2015

**Location:**

Pretoria

**Review & Approval: Malcolm Roods**



Signature

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# 1 I&AP DATABASE

## 1.1 Organs of State

Organs of State		
Name	Last Name	Company
<b>A K</b>	Khariivhe	Department of Mineral Resources
<b>Azwihangwisi</b>	Mulaudzi	Department of Minerals Resources
<b>L</b>	Kobe	Department of Water and Sanitation
<b>Daisy</b>	Mafubelu	Department of Health and Social Development
<b>Floyd</b>	Brink	Department of Roads and Transport
<b>LB</b>	Maesela	Department of Economic Development, Environment and Tourism
<b>LP</b>	Makhura	Department of Economic Development, Environment and Tourism- Waterberg District
<b>Maylene</b>	Broderick	Department of Economic Development, Environment and Tourism - Head of Department
<b>MM</b>	Komape	Department of Water and Sanitation - Director: Water Regulation and Use
<b>Phillip</b>	Hine	South African Heritage Resources Agency
<b>Steven</b>	Kgobalala	Department of Agriculture
<b>Raletjena</b>	Moloko	Department of Water and Sanitation
<b>Thabo</b>	Kwena	Department of Health and Social Development
<b>Themba</b>	Nkolele	Department of Health and Social Development
<b>Tinyiko</b>	Malungani	Limpopo Department of Economic Development, Environment & Tourism (LEDET)
<b>Ivan</b>	Riggs	Department of Agriculture, Forestry and Fisheries - National
<b>IJ</b>	Selokela	Lephalale Local Municipality
<b>Edward</b>	Munyai	Lephalale Local Municipality
<b>G. B.</b>	Koadi	Lephalale Local Municipality
<b>Johan</b>	Van den Berg	Lephalale Local Municipality
<b>L. S</b>	Manamela	Lephalale Local Municipality
<b>M.J.</b>	Selokela	Lephalale Local Municipality
<b>Madumetja</b>	Kgafela	Lephalale Local Municipality
<b>Marry</b>	Molekwa	Lephalale Local Municipality
<b>Michael</b>	Mohatshe	Lephalale Local Municipality
<b>Tebogo</b>	Ntshangase	Lephalale Local Municipality Speakers Office
<b>Victor</b>	Monyepao	Lephalale Local Municipality
	Department of Public Works	Department of Public Works
	Department of Roads and Transport	Department of Roads and Transport

## 1.2 Ward Councillors

Ward Councillors		
<b>William</b>	Motlokwa	Ward 1
<b>Galethabeloe Bertha</b>	Koadi	Ward 2
<b>Sybil Maud</b>	Nieuwoudt	Ward 4
<b>Mokgadi Johanna</b>	Mojela	Ward 5

## 1.3 Landowners

Landowners		
<b>Hilton</b>	Atkinson	Exxaro Coal (Pty) Ltd
<b>Mervin</b>	Govender	Exxaro Coal (Pty) Ltd
<b>Marius</b>	Fuls	Exxaro Coal ( Pty) Ltd (Ferroland Wildlife)
<b>Victor</b>	Monyepao	Lephalale Local Municipality (Appelvlakte 448 LQ)
<b>Susara</b>	Maria Gouws	Private (Ganzezan 446 LQ)
<b>Allan</b>	Malherbe	Triple Farm Game Ranch

## 1.4 General I&APs

General		
Name	Last Name	Company
<b>AH</b>	Grobbelaar	Farm Jacobsloop
<b>Andries</b>	Van Rensburg	Farms Hanover, Colesberg & Adelaide
<b>Anna</b>	Shongoane	Tribal Authority: Setateng, Mmatladi
<b>Astrid</b>	Basson	Private
<b>Bheki</b>	Nxumalo	Private
<b>Bob</b>	Naidoo	Private
<b>Carel</b>	Erasmus	Farm Grietasvlakte: Portion 1
<b>Clive</b>	Robinson	Werkendam (Portion 1) & Rietspruit
<b>D</b>	De Beer	Noed Family Trust
<b>Dries</b>	De Ridder	Stads & Streekse Planner
<b>EJJ</b>	Pretorius	Farm Grootfontein
<b>EL</b>	Grove	Farm Gorkum
<b>FFW</b>	Heystek	Farm: Good Hope
<b>Filomaine</b>	Swanepoel	Exxaro Coal (Pty) Ltd
<b>Francois</b>	Van der Mark	Farm Marseilles: Portion 1 of portion 2
<b>Francois</b>	Van der Merwe	Marseilles
<b>Frederick</b>	Malan	Halbosrust & Grootfontein
<b>GAM</b>	Ravazzotti	Ellington Ranch (Pty)Ltd & Farms Toulon
<b>Gysbert</b>	Vlok	Marseilles
<b>H</b>	Kotze	Rhinoland Safaris (Pty) Ltd

## General

<b>Name</b>	<b>Last Name</b>	<b>Company</b>
<b>Hendrik</b>	Van Rensburg	Farm Norfolk
<b>Herman</b>	Pretorius	Ellisras & Hoornbosch Farmers' Union
<b>Hester</b>	Ellis	Farm Grietasvlakte: Ptn 2
<b>Jaco</b>	Breedt	Uiterstevreden (Pty) Ltd
<b>Jacobus</b>	De Wet	Farm New York
<b>Jacobus</b>	Myburgh	Farm Zwellendam
<b>James</b>	Higgs	Farms Jacobsloop
<b>Jan</b>	Eckard	Transvaal Agricultural Union
<b>Jannie</b>	Pretorius	Farm Vucht: Portion 4
<b>JJ</b>	Potgieter	Preymentos Beleggings CC
<b>JL</b>	Wepener	Exxaro Coal (Pty) Ltd
<b>Johannes</b>	Molepo	Exxaro: Ferroland Wildlife
<b>Johannes</b>	Van Rooyen	Farm Kalkfontein
<b>Johannes Wilhelmus</b>	Van Rooyen	Private
<b>JS</b>	Van der Merwe	Farm Portlock & Windsor
<b>JSC</b>	Duvenhage	Farm Caledon
<b>Koos</b>	Viljoen	Farm Over Yssel 512 LR
<b>Koos</b>	Smit	Exxaro
<b>Louise</b>	Van Rooyen	Private
<b>Louw</b>	Swanepoel	Private
<b>Mare</b>	Nel	Farm Kalkfontein
<b>Maria</b>	Cocquyt	Private
<b>Marius</b>	Kotze	Rhinoland Safaris (Pty)Ltd
<b>Mathienus Frederick</b>	Loots	Private
<b>Menno</b>	Glas	Sonhel Boerdery (Pty)Ltd
<b>MI</b>	Shiko	Private
<b>Michiel Christiaan</b>	Erasmus	Private
<b>Nico</b>	Meyer	Matlabas Spares
<b>Nicolene</b>	Venter	Pilot Freight (PTY) Ltd
<b>P</b>	Ellis	Farm Grietasvlakte: Remainder
<b>P</b>	Vastapane	Farm George
<b>Petrus</b>	Van Staden	Farm Beaufort
<b>Phillip</b>	Bronkhorst	Safari Lands
<b>PM</b>	Tomaszenski	Authoriteit
<b>PSJ</b>	Van Rensburg	Farm Beaufort
<b>RJ</b>	Setlane	Shonghoane Chief Representative
<b>Ronell</b>	Kruger	Ellisras Tourism Association
<b>Ronnie</b>	Wiehahn	Wild Study & Kolobe Bush Lodge
<b>TA</b>	Smit	Preymentos Beleggings CC
<b>Theresa</b>	White	Kudu Canyon & Waterberg Nature Conservancy
<b>Tienie</b>	Loots	Farm Zongesien: Portion 1

## General

<b>Name</b>	<b>Last Name</b>	<b>Company</b>
<b>Tshiala</b>	Silas Raluthaga	Hi-Q Multichoice Industrial Cleaning
<b>Stef</b>	Snyders	Private
<b>WA</b>	Lewies	Transvaal Agricultural Union
		Highmast Properties
		ALTOOSTYD CC
		BATIS PROP 10 CC
		Exxaro Coal ( Pty) Ltd
		Exxaro Coal ( Pty) Ltd
		Exxaro Coal ( Pty) Ltd
		Exxaro Coal ( Pty) Ltd
		Exxaro Coal ( Pty) Ltd
		Exxaro Coal ( Pty) Ltd
		Farm George Town
		Ferroland Wildlife
		Exxaro Coal ( Pty) Ltd
		ONSNAMU NURSARY PTY LTD
		PLAASLIKE OWERHEID VAN MARAPONG
		ROOIBOSRAND DEV PTY LTD
		SUNFOX 33 CC
		Wildlife and Environment Society of South Africa (WESSA)



## **2 I&AP NOTIFICATION**

### **2.1 Draft EIAR Notification and Public Meetings – Advertisements**

- Mogol Post – 24 April 2015
- Rise n Shine - 23 – 30 April 2015

Tearsheets included overleaf.



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Jenny: 083 504 8348  
Magda: 071 343 8477  
Charl: 082 578 3316  
Susan: 083 304 0211

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**Chris of Ilse**  
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**Please state "LEPHALALE STORE MANAGER" in the subject line.**

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E-pos: ellisras-sp@intekom.co.za  
Hoof: L.A. Campbell  
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• Taal van onderrig: Afrikaans en Engels

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— Letter of Application /Aansoekbrief  
— Complete CV / Volledige CV  
— Certified copies of all qualifications / Gewaarmerkte afskrifte van alle kwalifikasies  
— Certified copy of SACE registration certificate / Gewaarmerkte afskrif van SACE sertifikaat  
— Certified copy of subject declaration/ Gewaarmerkte afskrif van vakverklaring

**Closing date / Sluitingsdatum: 11 Mei 2015 / 11 May 2015**

Send your applications to: The Governing Body Chair, Hoërskool Ellisras, Private Bag X205 Ellisras 0555 or hand deliver at the school / Stuur u aansoek aan: Die Beheerliggaam Voorsitter, Hoërskool Ellisras, Privatebag X205 Ellisras 0555, of handig per hand in by die skool. Please take note that if you haven't heard anything 21 days after the closing date, your application was unsuccessful. Neem kennis dat indien u nie 21 dae na die sluitingsdatum nie in kennis gestel is nie, was jou aansoek onsuksesvol nie.

**ETTIE NE ROSSOUW**  
PROKUREUR/ATTORNEY

Phone: 014 763 6886  
Fax: 014 763 6886; Cell: 082 652 3571  
E-mail: [ettie@rossouw.co.za](mailto:ettie@rossouw.co.za)

**VENTER VORSTER**  
VAN DER WAL ING  
Attorneys/Prokureurs

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Kantoor 014 763 1571  
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[www.venterpr.co.za](http://www.venterpr.co.za)

**INTEGRATED ENVIRONMENTAL AUTHORISATION APPLICATION FOR THE PROPOSED CONTINUOUS ASH DISPOSAL FACILITY FOR THE MATIMBA POWER STATION IN LEPHALALE, LIMPOPO PROVINCE**  
(DEA REF: 14/12/16/3/3/56)

Notice is hereby given in terms of the Environmental Impact Assessment Regulations (2010) published in Government Notice No R.543 to No R.546 of 2010, in terms of Section 24 (5) of the National Environmental Management Act (No 107 of 1998)(as amended), the National Environmental Management: Waste Act (No 59 of 2008), and the National Water Act (No 36 of 1998) that Eskom Holdings SOC Ltd ("Eskom") has submitted an Integrated Environmental Authorisation application to the National Department of Environmental Affairs (DEA) and is in the process of submitting a Water Use Licence Application to the Department of Water and Sanitation (DWS) for the proposed continuous ash disposal facility for the Matimba Power Station in Lephalale, Limpopo Province.

Eskom has undertaken an Environmental Impact Assessment study and will submit the final Environmental Impact Assessment Report and associated Water Use Licence Application to DEA and DWS, respectively, in support of the proposed project.

**NOTICE OF AVAILABILITY OF THE DRAFT ENVIRONMENTAL IMPACT ASSESSMENT REPORT (EIAR) FOR PUBLIC REVIEW**

All I&APs are hereby notified that the draft Environmental Impact Assessment Report (EIAR) will be available for public review and comment from 28 April to 01 June 2015 and will be available at the following places:

- Matimba Power Station (Nelson Mandela Drive, Lephalale)
- Lephalale Public Library (Lephalale Municipality offices, corner Joe Slovo & Douwater Roads)
- Marapong Community Library (1456 Sethora Street, Marapong)
- Manketti Reserve (Mogol Road, Lephalale)
- Offices of Royal HaskoningDHV (78 Kalkoen Street, Monument Park, Pretoria)
- Royal HaskoningDHV website ([www.rhdv.co.za/pages/services/environmental/current-projects.php](http://www.rhdv.co.za/pages/services/environmental/current-projects.php))

**INVITATION TO PUBLIC MEETINGS**

All interested and/or affected parties (I&APs) are invited to attend either of the public meetings to be held at the venues listed below. The project team will be available to discuss and answer any questions you may have regarding the findings of the draft EIAR. The date, time and venue for the public meetings are as follows:

DATE	TIME	VENUE
21 May 2015	14:00-16:00	Mogol Club, Lephalale
21 May 2015	17:00-19:00	Manketti Lodge, Lephalale

Please address your written comments to the public participation consultant as well as any further information you may require regarding the public meetings.

**Nicole Botham**  
Environmental Consultant  
Royal HaskoningDHV  
PO Box 25302  
Monument Park  
0105  
Tel: (012) 367 5800  
Fax: (012) 367 5878  
Email: [nicole.botham@rhdv.com](mailto:nicole.botham@rhdv.com)

**Royal HaskoningDHV**  
Enhancing Society Together

**LEPHALALE MUNICIPALITY PUBLIC NOTICE**

**INVITATION FOR INPUTS AND COMMENTS ON THE DRAFT IDP/ BUDGET 2015/2016.**

Notice is hereby given in terms of Section 25(a) (i) and subsection (3) (a) (i) (ii) (b) of Chapter 5 of Municipal Systems Act (Act 32 of 2000) that the draft IDP and Budget for 2015/2016 has been compiled and presented to Council on the 30 March 2015.

This notice serves to invite comments and inputs from the public and stakeholders.

The Draft IDP/Budget is available at the following offices:  
**Municipal Office:** Civic centre C/O Joe Slovo and Douwater road Onverwacht (library)  
**Marapong:** Marapong library  
**Thabo Mbeki:** Thabo Mbeki library  
**Ga-Seleka:** Seleka Tribal Authority Office  
**Shongoane:** Shongoane Tribal Authority Office  
**Mokuruanyane:** Thusong Centre and Traditional Authority Office  
**Lesedi:** Thusong Centre

The document can also be accessed through our website at [www.lephalale.gov.za](http://www.lephalale.gov.za). Written comments can be directed to the office of Municipal manager for attention manager strategic K Motebele on the following number 014 762 1496. Enquiries or inputs related to budget can be directed to Me. Maggie Ntwampe at 014 762 1498 and for IDP can be directed to Mr. Frans Mabotja at 014 762 1497. The closing date for comments and inputs is the 15<sup>th</sup> May 2015.

**NC LEKAKA**  
ACTING MUNICIPAL MANAGER

Date : 14 April 2015  
Notice No. : A27/2014/2015  
Ref.: : 15/1/7 & 5/1/ 1 2015/2016

# Teenager cries, asks forgiveness



Bystanders observe the aftermath of the accident that happened on 30 April 2013.

By Glacier Nkhwashi

**A Limpopo teenager who allegedly crashed into a group of eight high school pupils in 2013, killing one and injuring another five, appeared in the Sekgosese Periodical Court on Thursday on a charge of culpable homicide.**

Nineteen-year-old Justice Baloyi, who was 17 at the time of the accident, told the court he is intending to plead guilty because he feels sorry for what he has done. His case was, however, postponed to 28 April. In the meantime Baloyi has been out on R500 bail since 2013.

After the court was adjourned, Baloyi cried and asked for forgiveness from the victims in the presence of their parents. The victims, who are also witnesses, were told by the state not to come to court anymore because the suspect is willing to plead guilty.

On 30 April 2013, the car that Baloyi was driving hit eight Khudugane Secondary pupils in Sekgosese, leaving one dead and five with serious injuries, including one who is now crippled. The accident took place after school. Schoolgirl Nthabiseng Ramatshekgisa died after she was rushed to a local clinic.

Baloyi, who is from Rotterdam Village near

Sekgosese, was driving a relative's Honda Ballade. He was transporting his sick grandmother to see a doctor in Sekgosese when the incident happened.

After the crash, the boy allegedly fled the scene, leaving his grandmother in the car. Local police spokesman Warrant Officer Mphahlelwa Mashao said Baloyi was speeding. "Even though the road isn't marked, it is known to be a pedestrian crossing for school children. He didn't manage to stop because he was speeding," said Mashao.

One of the injured victims, Hosea Ngobeni - who is now 25 - no longer

walks properly. He cannot walk long distances or play soccer like he used to. Ngobeni says Baloyi impacted his future very badly. "I am now a disabled individual because of the incident," he said.

Another victim, 19-year-old Phetola Ramapatla, a Grade 12 pupil at the school, said he had to repeat Grade 11 because he was hospitalized for a long time as a result of the accident.

The parents of the victims came in numbers, wearing T-shirts printed with the words: "In the loving memory of Nthabiseng Ramatshekgisa."

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Nicole Botham  
Environmental Consultant  
Royal HaskoningDHV  
PO Box 25302  
Monument Park  
0105

Tel: (012) 367 5800 Fax: (012) 367 5878  
Email: [nicole.botham@rhdhv.com](mailto:nicole.botham@rhdhv.com)



## Magistrate breaks down in court

By Chester Makana

**A Polokwane magistrate broke down in tears when a businessman accused of killing his wife desperately pushed to be released on bail.**

Mohamed Shaik was presiding over a murder case in the Polokwane Magistrate's Court when the defence attorney spoke on behalf of a businessman who cannot be named until he has pleaded.

The businessman was arrested after he was linked to the death of his wife. Initially, a burglar was thought to be behind the killing of a mother who left a four-month-old baby.

When the suspect appeared this afternoon before Shaik, his counsel pleaded for his

release, claiming that his three children were traumatised by the death of their mother.

The drama started when the defence pleaded with the court that the custody of their client was causing psychological damage to his children.

But state prosecutor Alice Setakgane objected to the defence's application, saying the case was a Schedule 6 Offence and a formal bail application must be made.

She told the court that information needed to be gathered on the suspect, and applied for a postponement.

The state's move frustrated the defence, and they insisted that their client be released on bail.

"My humble application is: 'Can bail be granted today? The children lost their mother - the delay in releasing him is causing damage to the children's state of mind,' argued the defence.

When the defence repeated their statement about the children's suffering because of their mother's death, Shaik broke down.

The case was stood down briefly for Shaik to compose himself.

As he returned to the stand, he confessed that it was an emotional case and told the defence that legal procedures must be followed.

"Put emotion aside. The law must be applied to ensure the parties prepare themselves, that police collect evidence to put this court in the picture, so that it can decide if you are a suitable candidate to be released on bail or not," said Shaik.

The deceased wife was shot and killed last week Friday in Nirvana, a suburb in Polokwane. The husband is facing a charge of murder. He was remanded in custody until 28 April.

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TEL: 015 291 1093 - WWW.RISE-N-SHINE-ORG.ZA

Office 103 Library Gardens 61 Hans van Rensburg Street Polokwane 0699



## 2.1.1 Notifications



Date 13 April 2015

DEA Reference: 14/12/16/3/3/3/56

Our Reference: E02.JNB.001222

Dear Interested and Affected Party,

### **INTEGRATED ENVIRONMENTAL AUTHORISATION APPLICATION FOR THE PROPOSED CONTINUOUS ASH DISPOSAL FACILITY FOR THE MATIMBA POWER STATION IN LEPHALALE, LIMPOPO**

Notice is hereby given in terms of the Environmental Impact Assessment Regulations (2010) published in Government Notice No R.543 to No R. 546 of 2010, in terms of Section 24 (5) of the National Environmental Management Act (No 107 of 1998)(as amended), the National Environmental Management: Waste Act (No 59 of 2008), and the National Water Act (No 36 of 1998), that Eskom Holdings SOC Ltd ("Eskom") has submitted an Integrated Environmental Authorisation application to the National Department of Environmental Affairs (DEA) and is in the process of submitting a Water Use Licence Application to the Department of Water and Sanitation (DWS) for the proposed continuous ash disposal facility for the Matimba Power Station in Lephalale, Limpopo Province.

On 03 September 2013, the final Environmental Scoping Report (ESR) was accepted by the DEA. Two extensions were since requested from the Department in releasing the draft Environmental Impact Assessment Report (EIAR) for review due to the following reasons:

- The project team had to undertake a rigorous conceptual engineering design process that takes into account the future operational ash disposal methodology as well as expenditure.
- The beneficiation of sludge produced at the Matimba Power Station had to be taken into account during the current Environmental Impact Assessment study.
- The request for a Palaeontological Assessment by the South African Heritage Resource Agency (SAHRA).

### **NOTICE OF AVAILABILITY OF THE DRAFT ENVIRONMENTAL IMPACT ASSESSMENT REPORT FOR PUBLIC REVIEW**

All I&APs are hereby notified that the draft EIAR is available for public comment from **28 April to 01 June 2015**. The draft EIAR will be available at the following places:

- Matimba Power Station (Nelson Mandela Drive, Lephalale)
- Lephalale Public Library (Lephalale Municipality offices, corner Joe Slovo & Douwater Roads)
- Marapong Community Library (1456 Sethora Street, Marapong)
- Manketti Lodge (Mogol Road, Lephalale)
- Offices of Royal HaskoningDHV (78 Kalkoen Street, Monument Park, Pretoria)
- Royal HaskoningDHV website ([www.rhdhv.co.za/pages/services/environmental/current-projects.php](http://www.rhdhv.co.za/pages/services/environmental/current-projects.php))

**Royal HaskoningDHV (Pty) Ltd trading as Royal HaskoningDHV**  
Reg No. 1966/001916/07

PO Box 25302 Monument Park 0105 Gauteng South Africa  
Fountain Square 78 Kalkoen Street Monument Park Ext 2 0181  
Tel: +27 (0)12 3675800 Fax: +27 (0)12 3675890 | [pretoria@rhdhv.com](mailto:pretoria@rhdhv.com) [www.rhdhv.co.za](http://www.rhdhv.co.za)  
**Directors** SW Sithole (MD) | MP Makama | E Oostwegel (Dutch) | JM de Bakker (Dutch) | V Johannessen (Norwegian) | SP Katide

**INVITATION TO PUBLIC MEETINGS**

You are hereby invited to attend either of the public meetings to be held at the venues listed below. The project team will be available to discuss and answer any questions you may have regarding the findings of the draft EIAR. The date, time and venue for the public meetings are as follows:

DATE	TIME	VENUE
21 May 2015	14:00 – 16:00	Mogol Club, Lephale
21 May 2015	18:00 – 20:00	Manketti Lodge, Lephale

Please address your **written comments** to the public participation consultant as well as any further information you may require regarding the meeting.

Kind regards

Nicole Botham  
Environmental Consultant  
Tel: (012) 367 5800  
Fax: (012) 367 5878  
Email: [nicole.botham@rhdhv.com](mailto:nicole.botham@rhdhv.com)

### 2.1.1.1 Proof of Notification

#### Nicole Botham

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**From:** Nicole Botham  
**Sent:** 20 April 2015 03:53 PM  
**To:** 'a3bc@kingsley.co.za'; 'nxumalbj@eskom.co.za'; 'munic@lephalale.gov.za'; 'ddebeer@lantic.net'; 'dries@ellisrabusiness.co.za'; 'filomaine.swanepoel@exxaro.com'; 'heransie@lantic.net'; 'Johannes.molepo@exxaro.com'; 'johan.vrooyen@exxaro.com'; 'koos.smit@exxaro.com'; 'dionnemerais@gmail.com'; 'christa.roselt@lephalale.gov.za'; 'safari@rhinoland.co.za'; 'support@pilotfreight.co.za'; 'safari@rhinoland.co.za'; 'pbsafari@lantic.net'; 'tieneloots@gmail.com'; 'tsraluthaga@gmail.com'; 'stef.snyders@exxaro.com'; 'bowhunt@telkomsa.net'; 'info@wessa.co.za'; 'marius.fuls@exxaro.com'; 'coengouws@gmail.com'; 'amalherbe@pilotfreight.co.za'; 'aaron.kharivhe@dmr.gov.za'; 'azwihangwisi.mulaudzi@dmr.gov.za'; 'brinkf@drt.limpopo.gov.za'; 'maesela@ledet.gov.za'; 'shabangujn@ledet.gov.za'; 'komapem@dwa.gov.za'; 'phine@sahra.org.za'; 'stephenk@nda.agric.za'; 'RaletjM@dwaf.gov.za'; 'Themba.Nkolele@dhsd.limpopo.gov.za'; 'malunganitp@ledet.gov.za'; 'moloton@dpw.limpopo.gov.za'; 'IvanR@nda.agric.za'; 'edward.munyai@lephalale.gov.za'; 'ellismun@lantic.net'; 'stephen.manamela@exxaro.com'; 'madumetja.kgafela@lephalale.gov.za'; 'marry.molekwa@lephalale.gov.za'; 'ellismun@lantic.net'; 'sybilmaud@gmail.com'  
**Subject:** Matimba Ash Disposal Facility Draft EIA I&APs Notification  
**Attachments:** Eskom Matimba EIA-Draft EIAR PP Meeting-Letter to IAPs\_Final for distrib.pdf



Dear Interested and Affected Party (I&AP)

Please find attached the Matimba Ash Disposal Facility – Draft EIA Notification.

Please can you confirm whether you will be attend the public meeting on 21 May?

If you have any queries regarding the review period or the public meetings, please do not hesitate to contact me.

Regards,

**Nicole Botham**  
Environmental Consultant

T +27 (0)12 3675800 | D +270123675916 | M +27825752213 | E [Nicole.Botham@rhdhv.com](mailto:Nicole.Botham@rhdhv.com) | W [www.rhdhv.co.za](http://www.rhdhv.co.za)  
Royal HaskoningDHV (Pty) Ltd trading as Royal HaskoningDHV | Reg No. 1966/001916/07  
Fountain Square, 78 Kalkoen Street, Monument Park Ext 2, 0181  
PO Box 25302, Monument Park, 0105, Gauteng, South Africa.

Date Stamp of delivery  Datumstempel van aflewering	<b>REGISTERED LETTER GEREGISTREDE BRIEF 3745001</b> (with an insurance option/met 'n versekeringsopsie)	Post Office	Date stamp received  Datumstempel ontvang
Addressed to/Geadresseer aan ENGINEERING COUNCIL OF S.A.	Signature of recipient Handtekening van ontvanger	<b>REGISTERED LETTER (with a domestic insurance option)</b> RC 015 106 422 ZA <b>A BOOK COPY</b>	 Initial of receiving officer Paraaf van ontvangsbeampte
Private Bag X 691 BRUMA	Postcode Poskode 2026		
Initial of delivery officer Paraaf van afleweringbeampte	Please collect at Haal asseblief af by		Post Office, counter No Poskantoor, toonbankno
Official proof of identification essential Ampelike bewys van identiteit noodsaaklik	within 30 days of date received at delivery office/ binne 30 dae vanaf datum ontvang by afleweringkantoor		701280

Lebone Litho Printers (Pty)Ltd

Date Stamp of delivery  Datumstempel van aflewering	<b>REGISTERED LETTER GEREGISTREDE BRIEF 3745002</b> (with an insurance option/met 'n versekeringsopsie)	Post Office	Date stamp received  Datumstempel ontvang
Addressed to/Geadresseer aan ENGINEERING COUNCIL OF S.A.	Signature of recipient Handtekening van ontvanger	<b>REGISTERED LETTER (with a domestic insurance option)</b> Sharecall 0860 111 502 www.sapo.co.za RC 035 328 454 ZA CUSTOMER COPY 301028R	 Initial of receiving officer Paraaf van ontvangsbeampte
Private Bag X 691 BRUMA	Postcode Poskode 2026		
Initial of delivery officer Paraaf van afleweringbeampte	Please collect at Haal asseblief af by		Post Office, counter No Poskantoor, toonbankno
Official proof of identification essential Ampelike bewys van identiteit noodsaaklik	within 30 days of date received at delivery office/ binne 30 dae vanaf datum ontvang by afleweringkantoor		701280



Lebone Litho Printers (Pty)Ltd

Date Stamp of delivery  Datumstempel van aflewering	<b>REGISTERED LETTER GEREGISTREDE BRIEF 3745003</b> (with an insurance option/met 'n versekeringsopsie)	Post Office	Date stamp received  Datumstempel ontvang
Addressed to/Geadresseer aan DIBIL MAUD NIENWOLD	Signature of recipient Handtekening van ontvanger	<b>REGISTERED LETTER (with a domestic insurance option)</b> RC 035 329 300 ZA <b>A BOOK COPY</b>	Initial of receiving officer Paraaf van ontvangsbeampte
Private Bag X 136 LEPHALE	Postcode Poskode 0555		
Initial of delivery officer Paraaf van afleweringbeampte	Please collect at Haal asseblief af by		Post Office, counter No Poskantoor, toonbankno
Official proof of identification essential Ampelike bewys van identiteit noodsaaklik	within 30 days of date received at delivery office/ binne 30 dae vanaf datum ontvang by afleweringkantoor		701280

Lebone Litho Printers (Pty)Ltd

Date Stamp of delivery  Datumstempel van aflewering	<b>REGISTERED LETTER GEREGISTREDE BRIEF 3745004</b> (with an insurance option/met 'n versekeringsopsie)	Post Office	Date stamp received  Datumstempel ontvang
Addressed to/Geadresseer aan AUN MALHEE	Signature of recipient Handtekening van ontvanger	<b>REGISTERED LETTER (with a domestic insurance option)</b> Sharecall 0860 111 502 www.sapo.co.za RC 035 330 210 ZA CUSTOMER COPY 301028R	Initial of receiving officer Paraaf van ontvangsbeampte
P.O Box 689 AUCKLAND PARK	Postcode Poskode 2006		
Initial of delivery officer Paraaf van afleweringbeampte	Please collect at Haal asseblief af by		Post Office, counter No Poskantoor, toonbankno
Official proof of identification essential Ampelike bewys van identiteit noodsaaklik	within 30 days of date received at delivery office/ binne 30 dae vanaf datum ontvang by afleweringkantoor		701280

Lebone Litho Printers (Pty)Ltd

Date Stamp of delivery  Datumstempel van aflewering	<b>REGISTERED LETTER GEREGISTREDE BRIEF 3745005</b> (with an insurance option/met 'n versekeringsopsie) 	Date stamp received  Datumstempel ontvang
Initial of delivery officer Paraaf van afleweringseampte	Addressed to/Gedresseer aan <i>WILHELM MOTOKWA PRIVATE BAG X 136 LEPHALE</i>	Signature of recipient Handtekening van ontvanger <i>[Signature]</i>
	Postcode Poskode <b>0535</b>	<b>REGISTERED LETTER (with a domestic insurance option) ShareCall 0860 111 502 www.sapo.co.za RC 035 330 197 ZA CUSTOMER COPY 301028R</b>
Official proof of identification essential Amptelike bewys van identiteit noodsaaklik	Please collect at Haal asseblief af by	Post Office, counter No Poskantoor, toonbankno
	within 30 days of date received at delivery office/ binne 30 dae vanaf datum ontvang by afleweringkantoor	


Lebone Litho Printers (Pty)Ltd 701280

Date Stamp of delivery  Datumstempel van aflewering	<b>REGISTERED LETTER GEREGISTREDE BRIEF 3745006</b> (with an insurance option/met 'n versekeringsopsie) 	Date stamp received  Datumstempel ontvang
Initial of delivery officer Paraaf van afleweringseampte	Addressed to/Gedresseer aan <i>JALETIMBELOE BERTHA KOEHL PAPRIKA EXT 2 MEKURUNG LEPHALE</i>	Signature of recipient Handtekening van ontvanger <i>[Signature]</i>
	Postcode Poskode <b>0535</b>	<b>REGISTERED LETTER (with a domestic insurance option) ShareCall 0860 111 502 www.sapo.co.za RC 035 329 335 ZA A BOOK COPY</b>
Official proof of identification essential Amptelike bewys van identiteit noodsaaklik	Please collect at Haal asseblief af by	Post Office, counter No Poskantoor, toonbankno
	within 30 days of date received at delivery office/ binne 30 dae vanaf datum ontvang by afleweringkantoor	

Lebone Litho Printers (Pty)Ltd 701280

Date Stamp of delivery  Datumstempel van aflewering	<b>REGISTERED LETTER GEREGISTREDE BRIEF 3745007</b> (with an insurance option/met 'n versekeringsopsie) 	Date stamp received  Datumstempel ontvang
Initial of delivery officer Paraaf van afleweringseampte	Addressed to/Gedresseer aan <i>JALETIMBELOE BERTHA KOEHL PRIVATE BAG X 136 LEPHALE</i>	Signature of recipient Handtekening van ontvanger <i>[Signature]</i>
	Postcode Poskode <b>0535</b>	<b>REGISTERED LETTER (with a domestic insurance option) ShareCall 0860 111 502 www.sapo.co.za RC 035 329 327 ZA CUSTOMER COPY 301028R</b>
Official proof of identification essential Amptelike bewys van identiteit noodsaaklik	Please collect at Haal asseblief af by	Post Office, counter No Poskantoor, toonbankno
	within 30 days of date received at delivery office/ binne 30 dae vanaf datum ontvang by afleweringkantoor	

Lebone Litho Printers (Pty)Ltd 701280

Date Stamp of delivery  Datumstempel van aflewering	<b>REGISTERED LETTER GEREGISTREDE BRIEF 3745008</b> (with an insurance option/met 'n versekeringsopsie) 	Date stamp received  Datumstempel ontvang
Initial of delivery officer Paraaf van afleweringseampte	Addressed to/Gedresseer aan <i>SYBIL MAUD NEUWOUT 14 SENEBOE STREET ONVERWICAT</i>	Signature of recipient Handtekening van ontvanger <i>[Signature]</i>
	Postcode Poskode <b>557</b>	<b>REGISTERED LETTER (with a domestic insurance option) ShareCall 0860 111 502 www.sapo.co.za RC 035 329 313 ZA CUSTOMER COPY 301028R</b>
Official proof of identification essential Amptelike bewys van identiteit noodsaaklik	Please collect at Haal asseblief af by	Post Office, counter No Poskantoor, toonbankno
	within 30 days of date received at delivery office/ binne 30 dae vanaf datum ontvang by afleweringkantoor	

Lebone Litho Printers (Pty)Ltd 701280



Date Stamp of delivery  Datumstempel van aflewering	<b>REGISTERED LETTER</b> <b>GEREGISTREDE BRIEF 3745009</b>  (with an insurance option/met 'n versekeringsopsie)	Date stamp received  Datumstempel ontvang
Initial of delivery officer Paraaf van afleweringseampte	Addressed to/Geadresseer aan <u>MERVIN JOVENDER</u> <u>P.O Box 178</u> <u>LEPHALALE</u> Postcode Poskode <u>0555</u>	Signature of recipient Handtekening van ontvanger  <b>REGISTERED LETTER</b> (with a domestic insurance option) <b>RC 035 330 152 ZA</b> <b>A BOOK COPY</b>
Official proof of identification essential Amptelike bewys van identiteit noodsaaklik		Please collect at Haal asseblief af by _____ within 30 days of date received at delivery office/ binne 30 dae vanaf datum ontvang by afleweringkantoor
		Post Office, counter No Poskantoor, toonbankno _____ 701280

Lebone Litho Printers (Pty)Ltd

Date Stamp of delivery  Datumstempel van aflewering	<b>REGISTERED LETTER</b> <b>GEREGISTREDE BRIEF 3745010</b>  (with an insurance option/met 'n versekeringsopsie)	Date stamp received  Datumstempel ontvang
Initial of delivery officer Paraaf van afleweringseampte	Addressed to/Geadresseer aan <u>MARIUS FURS</u> <u>P.O Box 6207</u> <u>ONVERWACHT</u> Postcode Poskode <u>557</u>	Signature of recipient Handtekening van ontvanger  <b>REGISTERED LETTER</b> (with a domestic insurance option) <b>RC 035 330 166 ZA</b> <b>A BOOK COPY</b>
Official proof of identification essential Amptelike bewys van identiteit noodsaaklik		Please collect at Haal asseblief af by _____ within 30 days of date received at delivery office/ binne 30 dae vanaf datum ontvang by afleweringkantoor
		Post Office, counter No Poskantoor, toonbankno _____ 701280

Lebone Litho Printers (Pty)Ltd

Date Stamp of delivery  Datumstempel van aflewering	<b>REGISTERED LETTER</b> <b>GEREGISTREDE BRIEF 3745011</b>  (with an insurance option/met 'n versekeringsopsie)	Date stamp received  Datumstempel ontvang
Initial of delivery officer Paraaf van afleweringseampte	Addressed to/Geadresseer aan <u>VICTOR MONYEMO</u> <u>PRUNTE BNS X 136</u> <u>LEPHALALE</u> Postcode Poskode <u>0555</u>	Signature of recipient Handtekening van ontvanger  <b>REGISTERED LETTER</b> (with a domestic insurance option) <b>RC 035 330 170 ZA</b> <b>A BOOK COPY</b>
Official proof of identification essential Amptelike bewys van identiteit noodsaaklik		Please collect at Haal asseblief af by _____ within 30 days of date received at delivery office/ binne 30 dae vanaf datum ontvang by afleweringkantoor
		Post Office, counter No Poskantoor, toonbankno _____ 701280


Lebone Litho Printers (Pty)Ltd

Date Stamp of delivery  Datumstempel van aflewering	<b>REGISTERED LETTER</b> <b>GEREGISTREDE BRIEF 3745012</b>  (with an insurance option/met 'n versekeringsopsie)	Date stamp received  Datumstempel ontvang
Initial of delivery officer Paraaf van afleweringseampte	Addressed to/Geadresseer aan <u>DUSAN MARIUS CRUWS</u> <u>WONDERBOOM</u> <u>PRETORIA</u> Postcode Poskode <u>0182</u>	Signature of recipient Handtekening van ontvanger  <b>REGISTERED LETTER</b> (with a domestic insurance option) <b>RC 035 330 206 ZA</b> <b>A BOOK COPY</b>
Official proof of identification essential Amptelike bewys van identiteit noodsaaklik		Please collect at Haal asseblief af by _____ within 30 days of date received at delivery office/ binne 30 dae vanaf datum ontvang by afleweringkantoor
		Post Office, counter No Poskantoor, toonbankno _____ 701280




Lebone Litho Printers (Pty)Ltd

Date Stamp of delivery  Datumstempel van aflewering	<b>REGISTERED LETTER GEREGISTREEDE BRIEF 3745013</b> (with an insurance option/met 'n versekeringsopsie)	Post Office 	Date stamp received  Datumstempel ontvang
Initial of delivery officer Paraaf van afleweringbeampte	Addressed to/Geadresseer aan <b>MOKGADI JOHANNA MOJELA</b> <b>PRIVATE BAG x 136</b> <b>LEPHALE</b>	Signature of recipient Handtekening van ontvanger	Initial of receiving officer Paraaf van ontvangsbeampte
Official proof of identification essential Amptelike bewys van identiteit noodsaaklik		Postcode Poskode <b>0555</b>	Initial of receiving officer Paraaf van ontvangsbeampte
Please collect at Haal asseblief af by		Post Office, counter No Poskantoor, toonbankno	701280
within 30 days of date received at delivery office/ binne 30 dae vanaf datum ontvang by afleweringkantoor			

Lebone Litho Printers (Pty)Ltd

Date Stamp of delivery  Datumstempel van aflewering	<b>REGISTERED LETTER GEREGISTREEDE BRIEF 3745014</b> (with an insurance option/met 'n versekeringsopsie)	Post Office 	Date stamp received  Datumstempel ontvang
Initial of delivery officer Paraaf van afleweringbeampte	Addressed to/Geadresseer aan <b>HILTON ATKINSON</b> <b>P.O Box 9229</b> <b>PRETORIA</b>	Signature of recipient Handtekening van ontvanger	Initial of receiving officer Paraaf van ontvangsbeampte
Official proof of identification essential Amptelike bewys van identiteit noodsaaklik		Postcode Poskode <b>0001</b>	Initial of receiving officer Paraaf van ontvangsbeampte
Please collect at Haal asseblief af by		Post Office, counter No Poskantoor, toonbankno	701280
within 30 days of date received at delivery office/ binne 30 dae vanaf datum ontvang by afleweringkantoor			

Lebone Litho Printers (Pty)Ltd

Date Stamp of delivery  Datumstempel van aflewering	<b>REGISTERED LETTER GEREGISTREEDE BRIEF 3745015</b> (with an insurance option/met 'n versekeringsopsie)	Post Office 	Date stamp received  Datumstempel ontvang
Initial of delivery officer Paraaf van afleweringbeampte	Addressed to/Geadresseer aan <b>MOKGADI JOHANNA MOJELA</b> <b>2 AVENUE HOUSE NO. 10</b> <b>COMBING MILITARY AREA</b> <b>LEPHALE</b>	Signature of recipient Handtekening van ontvanger	Initial of receiving officer Paraaf van ontvangsbeampte
Official proof of identification essential Amptelike bewys van identiteit noodsaaklik		Postcode Poskode <b>0555</b>	Initial of receiving officer Paraaf van ontvangsbeampte
Please collect at Haal asseblief af by		Post Office, counter No Poskantoor, toonbankno	701280
within 30 days of date received at delivery office/ binne 30 dae vanaf datum ontvang by afleweringkantoor			

Lebone Litho Printers (Pty)Ltd

Date Stamp of delivery  Datumstempel van aflewering	<b>REGISTERED LETTER GEREGISTREEDE BRIEF 3745016</b> (with an insurance option/met 'n versekeringsopsie)	Post Office 	Date stamp received  Datumstempel ontvang
Initial of delivery officer Paraaf van afleweringbeampte	Addressed to/Geadresseer aan	Signature of recipient Handtekening van ontvanger	Initial of receiving officer Paraaf van ontvangsbeampte
Official proof of identification essential Amptelike bewys van identiteit noodsaaklik		Track and Trace reference No Volg-en-Spoor-verwysingsno	Initial of receiving officer Paraaf van ontvangsbeampte
Please collect at Haal asseblief af by		Post Office, counter No Poskantoor, toonbankno	701280
within 30 days of date received at delivery office/ binne 30 dae vanaf datum ontvang by afleweringkantoor			

Lebone Litho Printers (Pty)Ltd

## 2.1.2 Royal HaskoningDHV Website

The screenshot shows the website interface for Royal HaskoningDHV. The main content area displays the title of a draft Environmental Impact Assessment Report for the Proposed Continuous Ash Disposal Facility for the Matimba Power Station in Lephalale, Limpopo Province (DEA Ref 14/12/16/3/3/56). The review and commenting period is from 28 April to 01 June 2015. A table lists 18 documents (App A to App R) with 'Download' links for each. The left sidebar contains navigation links for SUD SERVICES, EM&C, SPECIALIST SERVICES, STRATEGIC AND SUSTAINABILITY SERVICES, CURRENT PROJECTS, Royal HaskoningDHV logo, Read more News, Subscribe to RSS-Feed, Careers, and Bursary.

Documents	
Matimba DEIAR_final for review	Download
App A - Maps	Download
App B - EAP CVs	Download
App C - Technical Engineering	Download
App D - Authority consultation	Download
App E - Public Participation	Download
App F - Geotechnical Report	Download
App G - Geohydrology	Download
App H - Hydrology	Download
App I - Surface Water (Wetlands)	Download
App J - Soils_ & Agriculture	Download
App K - Biodiversity	Download
App L - SIA	Download
App M - Air	Download
App N - Visual	Download
App O - Heritage & Palaeo	Download
App P - Noise	Download
App Q - Traffic	Download
App R - EMPr	Download

## 2.1.3 Delivery of Reports

The draft EIA Reports were sent to the following Stakeholders and was made available at the following Public Venues:

Department/Organisation	Contact Person	Address
Department of Environmental Affairs	Case Officer: Masina Litsoane	Environment House 473 Steve Biko Road Arcadia, Pretoria
Department of Water and Sanitation	Chief Director: L Kobe	Azmo Building 49 Joubert Street Polokwane
Limpopo Department of Economic Development, Environment & Tourism (LDEDET)	Director: Environmental Impact Management Directorate	20 Hans van Rensburg Street / 19 Biccard Street Polokwane, 0700
Lephalale Local Municipality	Environmental Manager: Department of Community Services	Corner Joe Slovo & Douwater Roads Lephalale, Limpopo
Waterberg District Municipality	Lily Mokonyane Department of Environmental Health	Harry Gwala Street Modimolle, Limpopo
Department of Mineral Resources	Regional manager: Aaron Kharihve	101 Dorp street, Polokwane
Marapong Community Library	The Librarian	1456 Sethora Street Extension 1, Marapong Lephalale, Limpopo
Lephalale Public Library	The Librarian	Corner joe slovo & douwater roads Lephalale, Limpopo
Manketti Lodge	Research Manager: Marius Fuls	Mogol Road (close to Grootegeluk mine)

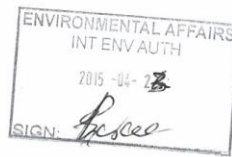
Department/Organisation	Contact Person	Address
Matimba Power Station	Tshifhiwa Matamela	Lephalale, Limpopo Nelson Mandela Drive Lephalale, Limpopo

### 2.1.3.1 Proof of Delivery



#### PROOF OF DELIVERY AND RECEIPT

I, Sello (print name) received the attached documents:  
**Draft Environmental Impact Assessment Report for the Proposed Continuous Ash Disposal Facility for the Matimba Power Station in Lephalale, Limpopo Province (DEA Ref 14/12/16/3/3/3/56)** on date 23/04/2015 (insert date).



[Signature]  
 Signature

Department of Environmental Affairs

Royal HaskoningDHV (Pty) Ltd trading as Royal HaskoningDHV  
 Reg No. 1966/001916/07  
 PO Box 25302 Monument Park 0105 Gauteng South Africa  
 Fountain Square 78 Kalkoen Street Monument Park Ext 2 0181  
 Tel: +27 (0)12 3675800 Fax: +27 (0)12 3675890 | pretoria@rhdhv.com www.rhdhv.co.za  
 Directors SW Sithole (MD) | MP Makama | E Oostwegel (Dutch) | JM de Bakker (Dutch) | V Johannessen (Norwegian) | SP Katide



## Shipment Receipt

### Shipment From

SSI Engineers & Enviromental  
Prashika Reddy  
Fountain Square  
78 Kalkoen Street  
Monument Park Ext 2  
Pretoria  
Gauteng  
South Africa 0181  
0123675800

### Shipment To

Marius Fuls (Ferroland Wildlife )  
Marius Fuls  
Manketti Lodge  
Mogol Road (Close to  
Grootgeluk Mine )  
LEPHALALE  
Lephalale  
South Africa 0555  
0833053104

### Shipment Details

Shipment Date : 23-04-2015  
Waybill Number : 4823861733  
Service Type : DOMESTIC EXPRESS  
Packaging Type : DHL Flyer  
Number of Pieces : 1  
Total Weight : 0.5 kgs  
Dimensional : 0.4 kgs  
Chargeable : 0.5 kgs  
Insured Amount : N/A

### International Information

Declared Value : 0.50 ZAR  
Duties and Taxes : N/A  
Dutiable Status :  
Non-Dutiable :  
Estimated Charge : 280.92 ZAR

### Billing Information

DHL Account : 305075789

### Reference Information

Reference : E02.JNB.001222  
Pickup Booking Reference  
103687  
Description of Contents  
1 x Document



## Shipment Receipt

### Shipment From

SSI Engineers & Environmental  
Prashika Reddy  
Fountain Square  
78 Kalkoen Street  
Monument Park Ext 2  
Pretoria  
Gauteng  
South Africa 0181  
0123675800

### Shipment To

Lephalale Public Library  
The Librarian  
Lephalale Municipality Offices  
Cnr Joe Slovo Roads  
Douwater Roads  
LEPHALALE  
Lephalale  
South Africa 0555  
0147621453

### Shipment Details

Shipment Date : 23-04-2015  
Waybill Number : 4823807973  
Service Type : DOMESTIC EXPRESS  
Packaging Type : DHL Flyer  
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Total Weight : 0.5 kgs  
Dimensional : 0.4 kgs  
Chargeable : 0.5 kgs  
Insured Amount : N/A

### International Information

Declared Value : 0.50 ZAR  
Duties and Taxes : N/A  
Dutiable Status :  
Non-Dutiable :  
Estimated Charge : 280.92 ZAR

### Billing Information

DHL Account : 305075789

### Reference Information

Reference : E02.JNB.001222  
Pickup Booking Reference  
103606  
Description of Contents  
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## Shipment Receipt

### Shipment From

SSI Engineers & Enviromental  
Prashika Reddy  
Fountain Square  
78 Kalkoen Street  
Monument Park Ext 2  
Pretoria  
Gauteng  
South Africa 0181  
0123675800

### Shipment To

Eskom Matimba Power Station  
Tshifiwa Matamela  
Matimba Power Station  
Nelson Mandela Drive  
LEPHALALE  
Lephalale  
South Africa 0555  
0147638084

### Shipment Details

Shipment Date : 23-04-2015  
Waybill Number : 4823819615  
Service Type : DOMESTIC EXPRESS  
Packaging Type : DHL Flyer  
Number of Pieces : 1  
Total Weight : 0.5 kgs  
Dimensional : 0.4 kgs  
Chargeable : 0.5 kgs  
Insured Amount : N/A

### International Information

Declared Value : 0.50 ZAR  
Duties and Taxes : N/A  
Dutiable Status :  
Non-Dutiable :  
Estimated Charge : 280.92 ZAR

### Billing Information

DHL Account : 305075789

### Reference Information

Reference : E02.JNB.001222  
Pickup Booking Reference  
103624  
Description of Contents  
1 x Document



## Shipment Receipt

### Shipment From

SSI Engineers & Enviromental  
Prashika Reddy  
Fountain Square  
78 Kalkoen Street  
Monument Park Ext 2  
Pretoria  
Gauteng  
South Africa 0181  
0123675800

### Shipment To

Limpopo Dept Economic Dev  
LB Maesela  
Environmental Impact  
Management Directorate  
20 Hans Van Rensburg Street  
POLOKWANE NORTH  
Limpopo  
South Africa 0699  
0152907098

### Shipment Details

Shipment Date : 23-04-2015  
Waybill Number : 4823744796  
Service Type : DOMESTIC EXPRESS  
Packaging Type : DHL Flyer  
Number of Pieces : 1  
Total Weight : 0.5 kgs  
Dimensional : 0.4 kgs  
Chargeable : 0.5 kgs  
Insured Amount : N/A

### International Information

Declared Value : 0.50 ZAR  
Duties and Taxes : N/A  
Dutiable Status :  
Non-Dutiable :  
Estimated Charge : 153.81 ZAR

### Billing Information

DHL Account : 305075789

### Reference Information

Reference : E02. JNB.001222

Pickup Booking Reference  
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### Description of Contents

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## Shipment Receipt

### Shipment From

SSI Engineers & Enviromental  
Prashika Reddy  
Fountain Square  
78 Kalkoen Street  
Monument Park Ext 2  
Pretoria  
Gauteng  
South Africa 0181  
0123675800

### Shipment To

Limpopo Dpt of Roads & Transport  
The HOD  
NTK Building  
Cnr Thabo Mbeki & River Street  
Nylstroom  
NYLSTROOM  
Limpopo  
South Africa 0510  
0147182300

### Shipment Details

Shipment Date : 23-04-2015  
Waybill Number : 4823704340  
Service Type : DOMESTIC EXPRESS  
Packaging Type : DHL Flyer  
Number of Pieces : 2  
Total Weight : 1.0 kgs  
Dimensional : 0.7 kgs  
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Insured Amount : N/A

### International Information

Declared Value : 0.50 ZAR  
Duties and Taxes : N/A  
Dutiable Status :  
Non-Dutiable :  
Estimated Charge : 280.92 ZAR

### Billing Information

DHL Account : 305075789

### Reference Information

Reference : E02.JNB.001222

Pickup Booking Reference

103510

Description of Contents

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## Shipment Receipt

### Shipment From

SSI Engineers & Environmental  
Prashika Reddy  
Fountain Square  
78 Kalkoen Street  
Monument Park Ext 2  
Pretoria  
Gauteng  
South Africa 0181  
0123675800

### Shipment To

Dept of Water & Sanitation  
L Kobe  
Azmo Building  
49 Joubert Street  
POLOKWANE NORTH  
Limpopo  
South Africa 0699  
0152901215

### Shipment Details

Shipment Date : 23-04-2015  
Waybill Number : 4823839801  
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Dimensional : 0.4 kgs  
Chargeable : 0.5 kgs  
Insured Amount : N/A

### International Information

Declared Value : 0.50 ZAR  
Duties and Taxes : N/A  
Dutiable Status  
Non-Dutiable  
Estimated Charge : 153.81 ZAR

### Billing Information

DHL Account : 305075789

### Reference Information

Reference : E02.JNB.001222  
Pickup Booking Reference  
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Description of Contents  
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## Shipment Receipt

### Shipment From

SSI Engineers & Enviromental  
Prashika Reddy  
Fountain Square  
78 Kalkoen Street  
Monument Park Ext 2  
Pretoria  
Gauteng  
South Africa 0181  
0123675800

### Shipment To

Dept of Mineral Resources  
Aaron Kharivhe  
101 Dorp Street  
Polokwane  
POLOKWANE NORTH  
Limpopo  
South Africa 0699  
0152874700

### Shipment Details

Shipment Date : 23-04-2015  
Waybill Number : 4823871780  
Service Type : DOMESTIC EXPRESS  
Packaging Type : DHL Flyer  
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Dimensional : 0.4 kgs  
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Insured Amount : N/A

### International Information

Declared Value : 0.50 ZAR  
Duties and Taxes : N/A  
Dutiable Status :  
Non-Dutiable :  
Estimated Charge : 153.81 ZAR

### Billing Information

DHL Account : 305075789

*PRW*

### Reference Information

Reference : E02.JNB.001222  
Pickup Booking Reference  
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Description of Contents  
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## Shipment Receipt

### Shipment From

SSI Engineers & Environmental  
Prashika Reddy  
Fountain Square  
78 Kalkoen Street  
Monument Park Ext 2  
Pretoria  
Gauteng  
South Africa 0181  
0123675800

### Shipment To

Waterberg District Municipality  
Lily Mokonyane  
Harry Gwala Street  
Modimolle , Limpopo  
MODIMOLLE  
Limpopo  
South Africa 0510  
0147183366

### Shipment Details

Shipment Date : 23-04-2015  
Waybill Number : 4823763081  
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Packaging Type : DHL Flyer  
Number of Pieces : 1  
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Dimensional : 0.4 kgs  
Chargeable : 0.5 kgs  
Insured Amount : N/A

### International Information

Declared Value : 0.50 ZAR  
Duties and Taxes : N/A  
Dutiable Status :  
Non-Dutiable :  
Estimated Charge : 280.92 ZAR

### Billing Information

DHL Account : 305075789

### Reference Information

Reference : E02.JNB.001222

Pickup Booking Reference  
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### Description of Contents

1 x Document



## Shipment Receipt

### Shipment From

SSI Engineers & Enviromental  
Prashika Reddy  
Fountain Square  
78 Kalkoen Street  
Monument Park Ext 2  
Pretoria  
Gauteng  
South Africa 0181  
0123675800

### Shipment To

Marapong Community Library  
The Librarian  
1456 Setthora Street  
Ext 1 Marapong  
LEPHALALE  
Lephalale  
South Africa 0555  
0147683927

### Shipment Details

Shipment Date : 23-04-2015  
Waybill Number : 4823777372  
Service Type : DOMESTIC EXPRESS  
Packaging Type : DHL Flyer  
Number of Pieces : 1  
Total Weight : 0.5 kgs  
Dimensional : 0.4 kgs  
Chargeable : 0.5 kgs  
Insured Amount : N/A

### International Information

Declared Value : 0.20 ZAR  
Duties and Taxes : N/A  
Dutiable Status :  
Non-Dutiable :  
Estimated Charge : 280.92 ZAR

### Billing Information

DHL Account : 305075789

### Reference Information

Reference : E02.JNB.001222

Pickup Booking Reference  
103571

### Description of Contents

1 x Document



## Shipment Receipt

### Shipment From

SSI Engineers & Enviromental  
Prashika Reddy  
Fountain Square  
78 Kalkoen Street  
Monument Park Ext 2  
Pretoria  
Gauteng  
South Africa 0181  
0123675800

### Shipment To

Lephalale Local Municipality  
Environmenatl Manager  
Dept of Community Services  
Cnr Joe Slovo & Douwater Roads  
LEPHALALE  
Lephalale  
South Africa 0555  
0147622193

### Shipment Details

Shipment Date : 23-04-2015  
Waybill Number : 4823793041  
Service Type : DOMESTIC EXPRESS  
Packaging Type : DHL Flyer  
Number of Pieces : 1  
Total Weight : 0.5 kgs  
Dimensional : 0.4 kgs  
Chargeable : 0.5 kgs  
Insured Amount : N/A

### International Information

Declared Value : 0.50 ZAR  
Duties and Taxes : N/A  
Dutiable Status :  
Non-Dutiable  
Estimated Charge : 280.92 ZAR

### Billing Information

DHL Account : 305075789

### Reference Information

Reference : E02.JNB.001222  
Pickup Booking Reference  
103589  
Description of Contents  
1 x Document

## 2.1.4 Final EIAR Notification

Date 16 July 2015

DEA Reference: 14/12/16/3/3/3/56

Our Reference: E02.JNB.001222

Dear Interested and Affected Parties (I&APs),

**INTEGRATED ENVIRONMENTAL AUTHORISATION APPLICATION FOR THE PROPOSED CONTINUOUS ASH DISPOSAL FACILITY FOR THE MATIMBA POWER STATION IN LEPHALALE, LIMPOPO**

According to Section 56 (6) of the EIA (2010) Regulations, registered I&APs must comment on final reports and submit the comments to the competent authority and provide a copy of such comments to the applicant or Environmental Assessment Practitioner (EAP). Subsequently, the Final Environmental Impact Report (EIAR) will be made available to registered I&APs to review and provide comments from 23 July to 12 August 2015.

Please take note that all comments on the final EIAR must be forwarded to:

Masina Litsoane

Department of Environmental Affairs

Private Bag X447, Pretoria, 0001

Tel: 012 399 9375

Email: [MLitsoane@environment.gov.za](mailto:MLitsoane@environment.gov.za)

Please quote the Ref no 14/12/16/3/3/3/56

A copy of comments must be forwarded to the Public Participation Consultant at Royal HaskoningDHV:

Nicole Botham

Royal HaskoningDHV

PO Box 25302

Monument Park 0105, Pretoria.

Tel: 012 367 5800

Fax: 012 367 5878

E-mail: [Nicole.botham@rhdhv.com](mailto:Nicole.botham@rhdhv.com)

A copy of the final EIAR will be available on the Royal HaskoningDHV website: (<http://www.rhdhv.co.za/pages/services/environmental/current-projects.php>).

We greatly appreciate your participation in the EIA process. If you require any further information please do not hesitate to contact me.



**Royal HaskoningDHV (Pty) Ltd trading as Royal HaskoningDHV**  
Reg No. 1966/001916/07

PO Box 25302 Monument Park 0105 Gauteng South Africa  
Fountain Square 78 Kalkoen Street Monument Park Ext 2 0181

Tel: +27 (0)12 3675800 Fax: +27 (0)12 3675890 | [pretoria@rhdhv.com](mailto:pretoria@rhdhv.com) [www.rhdhv.co.za](http://www.rhdhv.co.za)

Directors: SW Sithole (MD) | MP Makama | E Oostwegel (Dutch) | JM de Bakker (Dutch)  
| V Johannessen (Norwegian) | SP Katide | N Bhojaram



Kind regards,

A handwritten signature in black ink, consisting of a stylized, cursive 'N' followed by a long horizontal line extending to the right.

Regards,  
Nicole Botham  
Environmental Consultant

### **3 MINUTES OF MEETINGS**

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

**MINUTES OF PUBLIC MEETING**

**HELD ON**

**THURSDAY, 21 MAY 2015 (14H00)**

**AT**

**MOGOL CLUB, LEPHALALE**

## ENQUIRIES

### ROYAL HASKONINGDHV:

Prashika Reddy

PO Box 25302, Monument Park, 0105

Tel.: (012) 367 5973

Fax: (012) 367 5878

E-mail: [prashika.reddy@rhdhv.com](mailto:prashika.reddy@rhdhv.com)

## COMMENTS

Your comments on this document would be greatly appreciated. In particular, we request you to verify that your comments during the meeting have been captured correctly. Please address your written comments to Prashika Reddy at the address given above by no later than **05 June 2015**. Please note however, that the minutes are not verbatim.

## **1. WELCOME AND INTRODUCTION**

Malcolm Roods (MR), Royal HaskoningDHV opened the meeting and welcomed everyone present and went through the agenda. A round of introduction followed.

The attendance register is attached as Annexure A.

## **2. PURPOSE OF THE MEETING**

MR briefly explained that the purpose of the meeting was to:

- Provide Interested & Affected Parties (I&APs) with information regarding the proposed project;
- Provide an overview of the Environmental Impact Assessment (EIA), Water Use Licence Application (WULA) and Public Participation (PP) process;
- Provide an opportunity for I&APs to seek clarity and provide input into the project;
- To record comments raised and include them in the EIA Report (EIAR); and
- Interaction with the project team.

## **3. PRESENTATION**

MR provided a presentation that highlighted the following main agenda items:

- EIA Process;
- Project Need & Justification;
- Alternatives;
- Continuous Ashing;
- Summary of Key Specialist Findings;
- Impact Statement & Recommendations;
- Water Use Licencing Process;
- Public Participation;
- Way Forward;
- Discussion; and
- Closure.

A copy of the presentation is attached under Annexure B.

## **4. DISCUSSION SESSION**

Filomaine Swanepoel (FSw), Exxaro Grootegeluk: We have gone through the draft EIAR and understand that Site Alternative 1 (SA1) is preferred, however the concern from Exxaro's side is two-fold, if Site Alternative 2 (SA2) gets approved:

Firstly; the biodiversity specialist recommends an alternative linear infrastructure route (LIR) alignment, however nowhere in the document does it state that this alternative route is not feasible due to the following reasons: the route will cause fragmentation of the Nelsonskop farm area that is currently being managed as a Game Reserve and Biospheres as part of the Exxaro Land Management area known as Manketti and this recommended route will go through an area currently

earmarked for the Superfines Facility of Exxaro Grootegeluk which is in the pre-feasibility stage. This option is thus not feasible.

Secondly, the positioning of the facility on the farms Vooruit, Applevlakte, Droogheuwel and Ganzepan (SA2) will then also cut through a possible future servitude of roads and linear infrastructure corridor between Grootegeluk and the Zonderwater farm where Exxaro is currently conducting prospecting activities.

Prashika Reddy (PR), Royal HaskoningDHV: The alternative LIR corridor was proposed during the Scoping Study and Exxaro where requested to comment on this alternative. For the reasons stated above, this alternative was not supported and hence not further assessed in the EIA study. However, the biodiversity specialist has still recommended an alternative to the assessed LIR due to the high number of Tamboti trees found in the current proposed LIR. The EIA study prefers SA1, and this is the site that has been proposed for approval from the Department of Environmental Affairs (DEA). The final EIAR will include a discussion on the assessed LIR and the feasibility of the alternative LIR recommended by the biodiversity specialist.

FSw: Are the Section 21 c&i water uses applicable to the existing ash disposal facility (ADF) or to the new facility? Will there be a water use licence application (WULA) for both site alternatives?

Felicia Sono (FSO) Eskom – The WULA will only be lodged for the preferred site i.e. SA1. The following water uses will be applied for i.e. Section 21g and c&i (for the drainage line on the site).

FSw: Out of interest, what is the main reason that the biodiversity specialist preferred SA2 over SA1?

PR: The loss of the gravel plain habitat, which is considered to be high-sensitivity, has resulted in the specialist marginally preferring SA2 over SA1. It should be reiterated, that a development of this nature would result in loss of vegetation, irrespective of the site that is chosen. SA1 has vegetation that is largely pristine compared to SA2. When considering SA2, the impacts of establishing a LIR also needs to be taken into account as SA1 already has existing infrastructure available i.e. LIR.

FS: What is current height of ADF?

MR: The current height of the existing ADF is 50 m and the final height of SA1 will reach 90m.

FSw: Will you increase any of the pollution control dam (PCD) capacities?

FSO: Currently there are three PCDs that will service the existing ADF and the greenfield portion of SA1. The hydrologists have taken various factors (e.g. total run-off from the ADF, mean annual rainfall etc.) into the calculation and confirmed that the capacity of the new PCD (PCD3) would be adequate. When, the piggy-backing starts on the existing ADF, the surface area will be reduced and the two other PCDs (i.e. PCD 1 and 2) together with PCD3 would be adequate to handle the run-off and contaminated water for the ADF.

FSw – For the continuation of ashing on SA1, will you be lining the facility? The assumption is that the existing facility is not lined. Are you licencing the entire facility?

MR: Only the greenfield portion of SA1 will be lined. The entire 700 ha has been applied for, for licencing.

Tobile Bokwe (TB) Eskom – On the greenfield portion of SA1, the Matimba Power Station is facing a scenario whereby operations will have to continue but once the Authority provides the Integrated Environmental Authorisation, the expectation is to comply with all conditions of licencing. The reality is that immediate lining will be challenging. Therefore Eskom are proposing a phased lining approach with transitional provisions. This therefore means that there is a high possibility that Eskom will not be able to line for a period of up to 4 years and the current operating model will be followed on an unlined area. The exact footprint of this unlined area has not been determined.

## **5. CLOSURE AND WAY FORWARD**

MR mentioned that the minutes of the meeting will be prepared and distributed to the meeting attendees.

MR thanked everyone for attending and closed the meeting at 15h00.



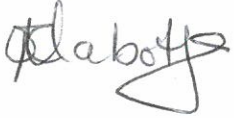
**ANNEXURE A**  
**ATTENDANCE REGISTER**



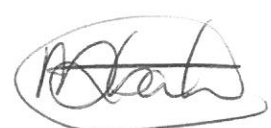







**INTEGRATED ENVIRONMENTAL AUTHORISATION APPLICATION FOR THE PROPOSED CONTINUOUS ASH DISPOSAL FACILITY FOR THE  
MATIMBA POWER STATION IN LEPHALALE, LIMPOPO PROVINCE (DEA REF: 14/12/16/3/3/3/56)**



**ATTENDANCE REGISTER  
PUBLIC MEETING  
MANKETTI LODGE MOGOL CLUB  
21 MAY 2015**

NAME & SURNAME	AFFILIATION & ORGANISATION	POSTAL ADDRESS	CONTACT INFORMATION	SIGNATURE
Malcolm Roods	RHDDU	21 Woodlads Drive Woodmead 2191	TEL 011 798 6442	
			FAX 011 798 6005	
			MOBILE 083415 5166	
			E-MAIL malcolm.roods@rhddu.com	
Chantel Jo Rensburg	ESKOM Projects	215 Lephalale 0555.	TEL: 014 763 8091	
			FAX 0865 37 3757.	
			MOBILE: 079 5170174	
			E-MAIL chantel.smith@eskom.co.za	
Obakeng Mabotja	ESKOM Operating	P/BAG x215 Lephalale 0555	TEL 014 763 8402	
			FAX 014 763 8141	
			MOBILE 0795224773	
			E-MAIL mabotjo@eskom.co.za	
			TEL	

NAME & SURNAME	AFFILIATION & ORGANISATION	POSTAL ADDRESS	CONTACT INFORMATION	SIGNATURE
MPOLOKENG MAMPANE	ESKOM ENGINEERING	PRIVATE BAG 215 LEPHALALE 0555	FAX - 086 218 3510 MOBILE 082 657 3690 E-MAIL MAMPANML@ESKOM.CO.ZA	
Seitebaleng Leeuw- Ragowa	ESKOM Project Development		TEL: 011 800 4128 FAX: 086 661 7000 MOBILE ragowasb@eskom.co.za E-MAIL 0731459247	
Felicia Sono	Escom Sustainability	Escom Magawath Park	TEL 011 800 8652 FAX MOBILE 083 297 4328 E-MAIL felicia.sono@eskom.co.za	
TOBILE BOKWE	ESKOM SUSTAINABILITY ENVIRONMENTAL MANAGEMENT	ESKOM MWP MAXWELL DRIVE SUNNINGHILL	TEL 011 800 2303 FAX 086 663 2051 MOBILE 082 828 1777 E-MAIL BOKWETT@ESKOM.CO.ZA	
Mpho Muswubi	ESKOM Sustainability	ESKOM MWP Maxwell drive Sunninghill	TEL 011 800 2346 FAX MOBILE 082 593 3339 E-MAIL mpho.muswubi@eskom.co.za	
Prashika Reddy	Royal HaskoningDHV		TEL 012 3675973 FAX 012 3675878 MOBILE	

NAME & SURNAME	AFFILIATION & ORGANISATION	POSTAL ADDRESS	CONTACT INFORMATION	SIGNATURE
			E-MAIL	
Jacky Mathobela	Eskom	Postnet suite 14 P/B bag x 2501 onwerwaat 0557.	TEL 014 263 6032 FAX MOBILE 083 244 6852 E-MAIL mathobaj@eskom.co.za.	
SILAS RALUTHAGA Filomains Swanspost	PRIVATE	P.O. Box 424 MUNZHEZI 0948	TEL FAX MOBILE 0731514654 E-MAIL tsraluthaga@gmail.com	
Filomains Swanspost	Excels - Grootegeluk	PO Box 178 hephalank6 0555	TEL 014 044 763 9288 FAX MOBILE 083 662 1104 E-MAIL filomains.swanspost@grail	
SESHNI GOVENDER	ROYAL HASKONING DHV	78 KALKOEN STREET PRETORIA	TEL 012 367 5976 FAX MOBILE 072 4420086 E-MAIL seshni.govender@rhdhv.com	
			TEL FAX MOBILE E-MAIL	
			TEL	

**ANNEXURE B  
PRESENTATION**

**INTEGRATED ENVIRONMENTAL AUTHORISATION &  
WATER USE LICENCE FOR THE PROPOSED  
CONTINUOUS ASH DISPOSAL FACILITY FOR THE  
MATIMBA POWER STATION IN LEPHALALE, LIMPOPO**

**PUBLIC MEETING – MANKETTI LODGE**

**18h00-20h00**

**21 MAY 2015**

## **Agenda**

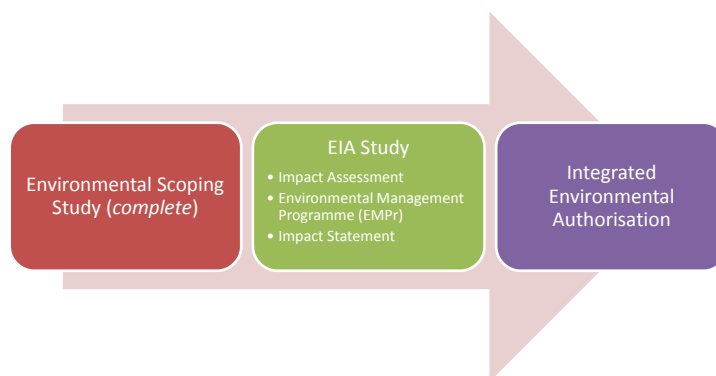
- Welcome & Introduction
- Meeting Objectives
- EIA Process
- Project Need & Justification
- Alternatives
- Continuous Ashing
- Summary of Key Specialist Findings
- Impact Statement & Recommendations
- Water Use Licencing Process
- Public Participation
- Way Forward
- Discussion
- Closure

## Meeting Objectives

- Provide Interested & Affected Parties (I&APs) with information regarding the proposed project
- Provide an overview of the Environmental Impact Assessment (EIA), Water Use Licence Application (WULA) and Public Participation (PP) process
- Provide an opportunity for I&APs to seek clarity and provide input into the project
- To record comments raised and include them in the EIA Report (EIAR)
- Interaction with the project team

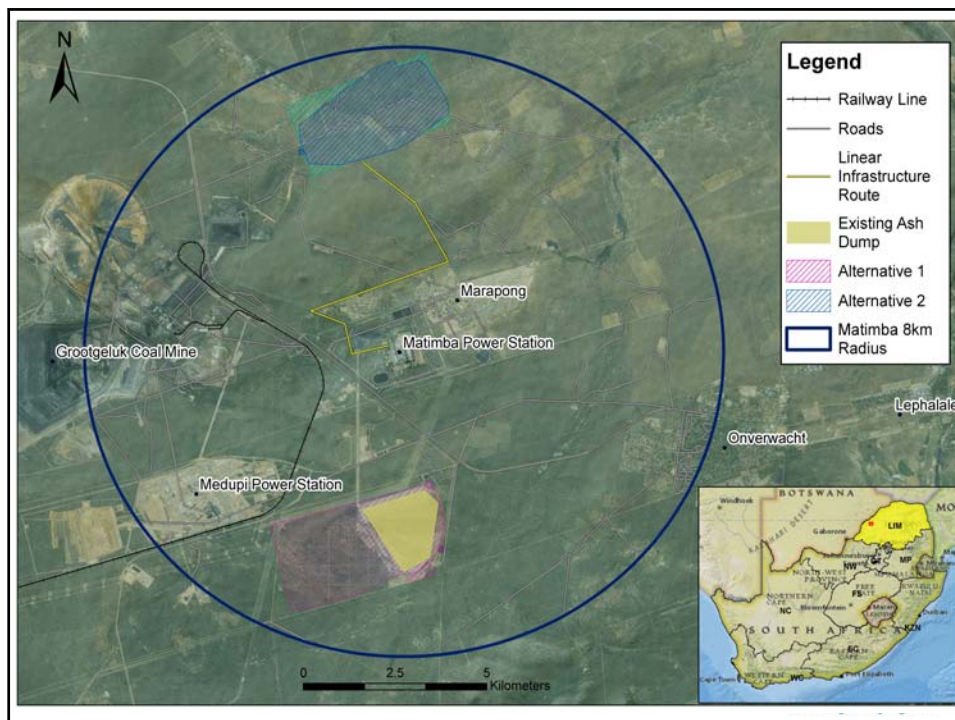


## EIA Process Followed to Date



Licences/Approval	Competent Authority
Integrated Environmental Authorisation (IEA)	Dept of Environmental Affairs (DEA)
Water Use Licence (WUL)	Dept of Water & Sanitation (DWS)



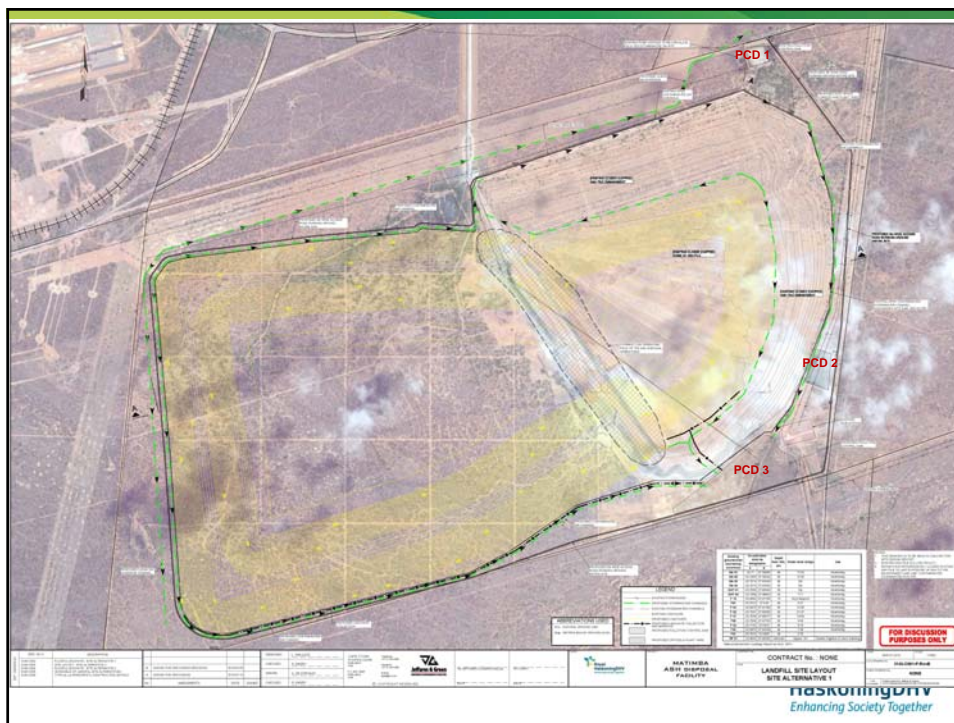
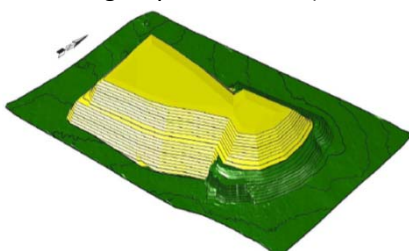


## Project Need & Justification

- Airspace requirements of 267 million m<sup>3</sup> for continuous ashing
- 40 years operation of Matimba Power Station (2015 – 2055)
- Either continuation of the existing ash disposal facility (ADF) or a new facility
- Compliance with environmental legislation (National Environmental Management Act; Waste Act; Water Act; Air Quality Act; Biodiversity Act; Heritage Act)

## Site Alternatives

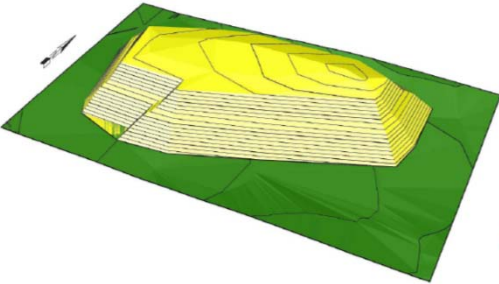
- SA1 – Zwartwater 507LQ
  - Part of farm (~320ha) currently used as an ADF
  - Total footprint – 700ha (510ha greenfields; 190ha piggy-backing as optimisation strategy)
  - 90m above Natural Ground Level (NGL); 45m above existing ADF
  - Existing infrastructure (PCDs, offices, plant yard facilities, overland conveyors)
  - New & expansion of infrastructure (stormwater controls, conveyors, extension of the emergency off-load area)





# Site Alternatives (cont.)

- SA2 – Vooruit 449LQ; Appelvlakte 448LQ; Droogeheuvel 447LQ & Ganzepan 446LQ
  - Greenfields site, 660ha to meet airspace requirements
  - 85m above Natural Ground Level
  - New infrastructure (linear infrastructure route – LIR consisting of conveyor system; stormwater controls, PCD, access control, access to ADF)



## Continuous Ashing

- Ash classification – Type 3 requires Class C liner
- Phased lining process:
  - a) Advancing face will not be lined for 4 years;
  - b) After the 4 year period lining of Greenfields portion of the ADF
- Dust suppression using water from the PCDs
- ADF is rehabilitated progressively to protect side slopes from erosion, reduce stormwater collection volumes, lessen visual impact and particulate matter reduction
- Finished capped (rehabilitated) side slope not steeper than 1V:3H for long term slope stability
- Sludge from the PS (sewage plant ~11m<sup>3</sup>/m every 3 months) to be used as a soil ameliorant for the rehab of the dump



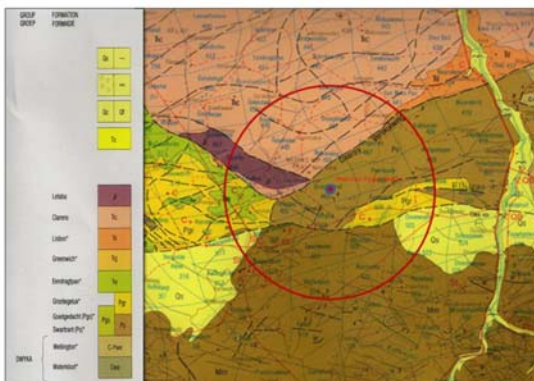
## Specialist Input

Biophysical Environment	Social Environment
Technical Engineering & Ash Classification	Social
Geology	Air Quality
Geotechnical	Visual
Geohydrology (Groundwater)	Heritage & Palaeontology
Hydrology (Stormwater)	Noise
Surface Water (Wetlands)	Traffic
Soils & Agricultural Potential	
Biodiversity	



## Summary of Key Specialist Findings

- Geology
  - Sediments & volcanics of the Waterberg Group and Karoo Supergroup underlie the general study area
  - The Daarby Fault is a major northeast then northwest fault
  - Southern portion of SA1 is south of Eenzaamheid fault
  - LIR – traverse Daarby Fault & fault to the north of the Daarby Fault
  - SA2 has numerous faults in close proximity
  - Faults buffered & excluded from site footprint
  - Faults can act as preferential flow paths for groundwater & potential contamination






## Summary of Key Specialist Findings

	Potential Impacts	SA1	SA2 + LIR
Geotechnical	<ul style="list-style-type: none"> <li>• Stability &amp; slope failure</li> </ul>	<ul style="list-style-type: none"> <li>• Flat to very gently sloping</li> <li>• Shallow depth to bedrock (1 – 2m)</li> <li>• Poor drainage line in the middle of the site</li> <li>• Proven reliability of existing ADF from a foundation stability perspective</li> <li>• Preferred</li> </ul>	<ul style="list-style-type: none"> <li>• Gently sloping</li> <li>• Depth to bedrock (5 – 10m)</li> <li>• Characterised by drainage lines – potential groundwater seepage</li> <li>• LIR – sands are loose in consistency, ground improvements recommended</li> </ul>


## Summary of Key Specialist Findings

	Potential Impacts	SA1	SA2 + LIR
Geohydrology	<ul style="list-style-type: none"> <li>Hydrocarbon contamination through spillages</li> <li>Transport of ash</li> <li>Operational groundwater impacts</li> </ul>	<ul style="list-style-type: none"> <li>Water used for stock watering &amp; domestic purposes</li> <li>Groundwater flow in easterly direction towards Sandloop</li> <li>Problematic parameters in downgradient boreholes – conductivity, TDS, Chloride, Sulphate, Calcium, Sodium, Manganese, Magnesium</li> <li>Depth to water level – slightly deeper</li> <li>1 production borehole</li> <li>Preferred</li> </ul>	<ul style="list-style-type: none"> <li>Water used for stock watering &amp; domestic purposes</li> <li>Groundwater flow in easterly direction towards Sandloop</li> <li>Problematic parameter concentrations lower than SA1</li> <li>13 boreholes in use</li> <li>LIR – traverse 2 faults. Faults potentially affect groundwater flow &amp; provide contamination pathways</li> </ul>

## Summary of Key Specialist Findings

	Potential Impacts	SA1	SA2 + LIR
Hydrology / Stormwater management SA1  SA2  LIR 	<ul style="list-style-type: none"> <li>Run-off from ADF</li> <li>Improper stormwater &amp; leachate management</li> </ul>	<ul style="list-style-type: none"> <li>Pan to the west of SA1 – elevated Fluoride &amp; Al</li> <li>Implementation of Stormwater Management Plan (SWMP)</li> <li>Conceptual SWMP proposed, PCD capacity of 203600m3 required &amp; confirmed</li> <li>Preferred</li> </ul>	<ul style="list-style-type: none"> <li>Dam/pan - Elevated fluoride &amp; metal levels Al ; Mn; Fe</li> <li>Implementation of SWMP</li> <li>Single PCD recommended north of ADF, 180000m3</li> <li>LIR – sumps recommended at lowest points to collect dirty water &amp; return it to PCDs</li> </ul>

## Summary of Key Specialist Findings

	Potential Impacts	SA1	SA2 + LIR
Surface Water (Wetlands / Ephemeral Drainage lines) 	<ul style="list-style-type: none"> <li>Loss of riparian &amp; wetland habitat</li> <li>Stormwater related impacts (discharge into riparian areas)</li> </ul>	<ul style="list-style-type: none"> <li>2 ephemeral drainage features in south west corner</li> <li>Most easterly drainage line confirmed to be a low point</li> <li>Traverses smaller part of site, much narrower and less pronounced veg</li> <li>Sufficient distance away from the Sandloop</li> <li>Preferred</li> </ul>	<ul style="list-style-type: none"> <li>2 ephemeral drainage lines that form a single line at the north west corner</li> <li>Downstream reach of drainage line could be affected by stormwater discharge or polluted groundwater</li> <li>Riparian veg in natural state</li> <li>LIR – watercourse to north of Marapong, close to LIR but will not be impacted</li> </ul>


## Summary of Key Specialist Findings

	Potential Impacts	SA1	SA2 + LIR
Soils & Agricultural Potential	<ul style="list-style-type: none"> <li>Impact on soils, land capability &amp; agric potential</li> <li>Erosion</li> <li>Dust generation</li> </ul>	<ul style="list-style-type: none"> <li>Land use – grazing &amp; ADF</li> <li>Deep sandy soils, high evapo-transpiration &amp; erratic rainfall</li> <li>Risk for crop failure</li> <li>Impacts largely incurred</li> <li>Preferred</li> </ul>	<ul style="list-style-type: none"> <li>Extensively grazed</li> <li>Deep sandy soils, high evapo-transpiration &amp; erratic rainfall</li> <li>Risk for crop failure</li> <li>North west drainage line</li> </ul>

## Summary of Key Specialist Findings


	Potential Impacts	SA1	SA2 + LIR
Biodiversity	<ul style="list-style-type: none"> <li>• Loss of sensitive /natural habitats</li> <li>• Impact on flora &amp; fauna species (sp) of conservation importance</li> <li>• Impact on unique or protected habitat</li> <li>• Displacement of fauna</li> <li>• Ecological disconnectivity &amp; fragmentation</li> </ul>	<ul style="list-style-type: none"> <li>• Removal of sensitive gravel plain habitat</li> <li>• Vegetation largely pristine</li> <li>• Higher number of protected trees than SA2</li> <li>• Higher faunal habitat diversity</li> <li>• Red Data sp – Hyena &amp; Tawny Eagle</li> <li>• Implementation of added value biodiversity enhancement strategy post-authorisation</li> </ul>	<ul style="list-style-type: none"> <li>• Slightly degraded due to grazing</li> <li>• Lowest potential for conservation impact taxa to exist</li> <li>• Lower habitat diversity</li> <li>• Red Data sp – Hyena &amp; Leopard</li> <li>• LIR – numerous protected trees (Tamboti), offer a unique sensitive faunal habitat</li> <li>• Preferred</li> </ul>

SA1 – Gravel plain




## Summary of Key Specialist Findings

	Potential Impacts	SA1	SA2 + LIR
Air Quality	<ul style="list-style-type: none"> <li>• Dust generation during construction &amp; ash disposal</li> <li>• Emissions from equipment &amp; vehicles</li> </ul>	<ul style="list-style-type: none"> <li>• Daily ave PM10 concentration of 203µg/m3 (within site boundary) exceed National daily ave of 120µg/m3</li> <li>• Annual ave of 58µg/m3 against National ave of 50µg/m3</li> <li>• Cumulative impacts on Matimba PS &amp; Grootegeluk - 305µg/m3</li> <li>• Preferred</li> </ul>	<ul style="list-style-type: none"> <li>• Location of site – likely to impact Grootegeluk Mine</li> <li>• PM10 conc of 161µg/m3</li> <li>• Annual ave of 71µg/m3</li> <li>• LIR – 7.23 &amp; 1.47 daily &amp; annual ave respectively</li> <li>• Cumulative impacts on Matimba PS &amp; Grootegeluk - 315µg/m3</li> </ul>





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## Summary of Key Specialist Findings

	Potential Impacts	SA1	SA2 + LIR
Social	<ul style="list-style-type: none"> <li>Human health</li> <li>Water contamination</li> <li>Change in land use</li> <li>Dust</li> <li>Noise</li> <li>Tourism</li> </ul>	<ul style="list-style-type: none"> <li>Existing ADF &amp; infrastructure</li> <li>No change in land use</li> <li>Impacts largely incurred</li> <li>Preferred</li> </ul>	<ul style="list-style-type: none"> <li>Greenfields dev – change in land use</li> <li>Tourism affected (game farms)</li> <li>LIR running adjacent to Marapong</li> </ul>
Heritage & Palaeontology	<ul style="list-style-type: none"> <li>Objects of significance unearthed during construction</li> </ul> 	<ul style="list-style-type: none"> <li>No sites of heritage significance or rocks &amp; fossils found</li> <li>Small two-roomed structure in bad state – difficult to determine date of site as roof, fittings removed</li> <li>No preference</li> </ul>	<ul style="list-style-type: none"> <li>No sites of heritage significance or fossils found</li> <li>Possible grave located outside SA2 footprint</li> <li>No preference</li> </ul>

## Summary of Key Specialist Findings

	Potential Impacts	SA1	SA2 + LIR
Visual	<ul style="list-style-type: none"> <li>Visual intrusion</li> </ul>  	<ul style="list-style-type: none"> <li>Expansion of existing feature</li> <li>Situated in middle of industrial hub</li> <li>Ongoing rehabilitation</li> <li>Preferred</li> </ul>	<ul style="list-style-type: none"> <li>New visual intrusion</li> <li>Natural visual character</li> <li>Large amount of ash would need to be deposited before first rehab efforts</li> <li>Droogeheuvl farm subject to high degree of visual impact</li> </ul>

## Summary of Key Specialist Findings

	Potential Impacts	SA1	SA2 + LIR
Noise	<ul style="list-style-type: none"> <li>Noise generation through construction &amp; operations</li> </ul>	<ul style="list-style-type: none"> <li>Existing noise climate is degraded by the PS &amp; mine</li> <li>Preferred</li> </ul>	<ul style="list-style-type: none"> <li>Part of 35dBA falls outside existing noise footprint &amp; will extend the noise contour to the north of the site</li> <li>LIR – cumulative impact as it runs parallel to two conveyors for a short distance</li> </ul>

## Summary of Key Specialist Findings

	Potential Impacts	SA1	SA2 + LIR
Traffic	<ul style="list-style-type: none"> <li>Impact on existing road network</li> <li>Increase in traffic during construction &amp; operations</li> </ul>	<ul style="list-style-type: none"> <li>Access from Nelson Mandela Drive (D1675)</li> <li>Being upgraded to 4 lane road</li> <li>Access road to ADF is a gravel road with a level crossing from D1675</li> <li>Preferred</li> </ul>	<ul style="list-style-type: none"> <li>Access D2001 will be upgraded to a paved road if site is selected</li> <li>Recommended that short right turn lane from D2001 into the access road</li> </ul> <ul style="list-style-type: none"> <li>LIR – clearance height of 5.2m for vehicles</li> </ul>



## Impact Statement & Recommendations

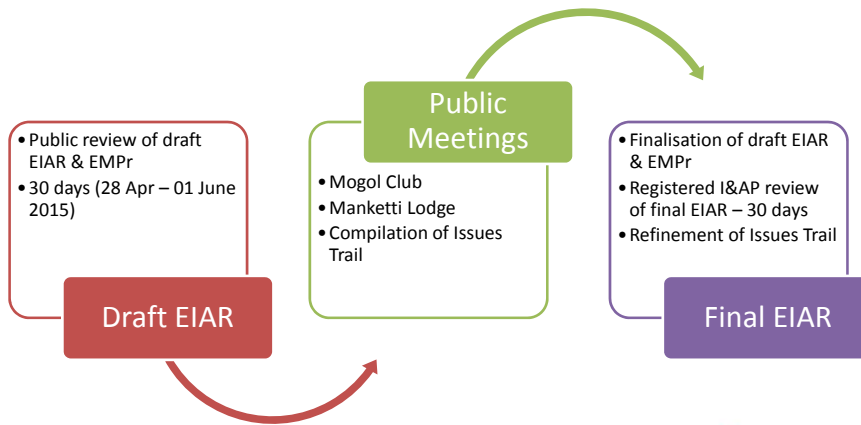
- Significant impacts on biodiversity, geohydrology, hydrology, surface water, air quality, social & visual
- Mitigation through the implementation of the EMPr
- Key Recommendations:
  - Added value biodiversity strategy
  - Implement Stormwater Management Plan
  - Groundwater & surface water monitoring
  - Operation of ADF in line with Draft Operational Plan
  - Transitional lining & lining of greenfields portion of ADF (not applicable to piggy-backed areas)
  - Compliance with key environmental legislation (NEMA, Waste Act, Water Act, Forests Act, Air Quality Act, Heritage Act)
- Comparative assessment of both site alternatives & EAP recommendation – SA1 (700ha) preferred over SA2



## Water Use Licencing Process

Identified Water Uses	Applicability
<ul style="list-style-type: none"> <li>• Section 21 (c) - impeding or diverting the flow of water in a watercourse &amp; Section 21 (i) - altering the bed, banks, course or characteristics of a watercourse</li> </ul>	<ul style="list-style-type: none"> <li>• Construction of an ADF within the buffer zone of drainage line/ephemeral drainage feature</li> </ul>
<ul style="list-style-type: none"> <li>• Section 21 (e) - irrigation of any land with waste or water containing waste generated through an industry activity or waterworks</li> </ul>	<ul style="list-style-type: none"> <li>• Irrigation of the ash dump with waste water for dust suppression purposes</li> </ul>
<ul style="list-style-type: none"> <li>• Section 21 (g) - disposing of waste in a manner which may detrimentally impact on a water resource</li> </ul>	<ul style="list-style-type: none"> <li>• Ash disposal on the ADF</li> <li>• Disposal of leachate from the ADF into the pollution control dam</li> <li>• Emergency off-load area</li> <li>• Use of sludge for rehabilitation</li> </ul>

# Public Participation



# Public Participation (cont.)

Venue s	Contact Number
Matimba Power Station	014 763 8084
Lephalale Library	014 762 1453
Marapong Community Library	014 768 3927
Manketti Lodge	083 305 3104
Royal HaskoningDHV Offices	012 367 5800

Available electronically: <http://www.rhdhv.co.za/services/environmental/current-projects>

- Review & Commenting Period of draft EIAR: **28 April – 01 June 2015**
- Review & Commenting Period of final EIAR: TBA



## Way Forward

Compilation and distribution of meeting minutes

Inclusion of Authority & I&AP comments into final EIAR & EMPr

Review of final EIAR & EMPr by registered I&APs for further 30 days

Submission of final EIAR & EMPr to DEA

DEA decision (Integrated Environmental Authorisation)



## Discussion

- Questions?
- Comments?





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HaskoningDHV**  
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**Thank You for your attention**

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

**MINUTES OF PUBLIC MEETING**

**HELD ON**

**THURSDAY, 21 MAY 2015 (18H00)**

**AT**

**MANKETTI LODGE, LEPHALALE**

## ENQUIRIES

### ROYAL HASKONINGDHV:

Prashika Reddy

PO Box 25302, Monument Park, 0105

Tel.: (012) 367 5973

Fax: (012) 367 5878

E-mail: [prashika.reddy@rhdhv.com](mailto:prashika.reddy@rhdhv.com)

## COMMENTS

Your comments on this document would be greatly appreciated. In particular, we request you to verify that your comments during the meeting have been captured correctly. Please address your written comments to Prashika Reddy at the address given above by no later than **05 June 2015**. Please note however, that the minutes are not verbatim.

## **1. WELCOME AND INTRODUCTION**

Malcolm Roods (MR), Royal HaskoningDHV opened the meeting and welcomed everyone present and went through the agenda. A round of introduction followed.

The attendance register is attached as Annexure A.

## **2. PURPOSE OF THE MEETING**

MR briefly explained that the purpose of the meeting was to:

- Provide Interested & Affected Parties (I&APs) with information regarding the proposed project;
- Provide an overview of the Environmental Impact Assessment (EIA), Water Use Licence Application (WULA) and Public Participation (PP) process;
- Provide an opportunity for I&APs to seek clarity and provide input into the project;
- To record comments raised and include them in the EIA Report (EIAR); and
- Interaction with the project team.

## **3. PRESENTATION**

MR provided a presentation that highlighted the following main agenda items:

- EIA Process;
- Project Need & Justification;
- Alternatives;
- Continuous Ashing;
- Summary of Key Specialist Findings;
- Impact Statement & Recommendations;
- Water Use Licencing Process;
- Public Participation;
- Way Forward;
- Discussion; and
- Closure.

A copy of the presentation is attached under Annexure B.

## **4. DISCUSSION SESSION**

Louis Grobler (LG), Droogeheuvel Farm Manager: There are currently other proposals for the Droogeheuvel farm and we would like to know whether our farm will be affected. The EIA study has been going on for 3 – 4 years now and we have to decide whether we should go with one of the other proposals for the farm.

MR: From the EIA study, Site Alternative 1 (SA1) is preferred and this is the opinion of the Environmental Assessment Practitioner and all the specialist assessments except for biodiversity. This site (SA1) will be put forward for the decision-making and licencing. Mr Grobler and Mr Malherbe should also get into contact with Ms Filomaine Swanepoel (Exxaro Grootegeeluk), who at the earlier meeting (at the Mogol

Club) provided further details of proposed projects (Superfines Plant and prospecting activities on the farm Zonderwater) that will take place around SA2. Ms Swanepoel's details were provided to Mr Grobler post-meeting.

Tobile Bokwe (TB), Eskom: Further indicated that the transitional arrangements in terms of lining for the project needs to be emphasised. The current ash disposal facility (ADF) does not have a lining system but in terms of new environment legislation, the continuation of ashing on the greenfield footprint requires lining. Furthermore, because the operational model for dry ashing tends to move horizontally with time, the inherent expectation from the Competent Authority is that Eskom should immediately line once the Integrated Environmental Authorisation is received.

Eskom is therefore faced with the scenario whereby that the process of placing a lining on the ground requires time and in this instance, can take anything from 2 – 4 years and during this time, the Matimba Power Station will have to remain operational. Therefore Eskom propose to ash a horizontal footprint of the greenfield portion of the ADF, following the current operational model without a lining. This process can take up to 4 years.

## **5. CLOSURE AND WAY FORWARD**

MR mentioned that the minutes of the meeting will be prepared and distributed to the meeting attendees.

MR thanked everyone for attending and closed the meeting at 19h00.






**ANNEXURE A**  
**ATTENDANCE REGISTER**

INTEGRATED ENVIRONMENTAL AUTHORISATION APPLICATION FOR THE PROPOSED CONTINUOUS ASH DISPOSAL FACILITY FOR THE MATIMBA POWER STATION IN LEPHALALE, LIMPOPO PROVINCE (DEA REF: 14/12/16/3/3/3/56)



ATTENDANCE REGISTER  
PUBLIC MEETING  
MANKETTI LODGE  
21 MAY 2015

NAME & SURNAME	AFFILIATION & ORGANISATION	POSTAL ADDRESS	CONTACT INFORMATION	SIGNATURE
CHRISTOPHER MAMABULO	ESKOM - MATIMBA POWER STATION	P/BAG x 217 LEPHALALE 0555	TEL 014 763 8084	
			FAX 086 614 7149	
			MOBILE 082 4702385	
			E-MAIL mamabulo@eskom.co.za	
Louis Cople Doooyekhwe!	FARMING	PO BOX 7131 ONVERWAGHT	TEL:	
			FAX	
			MOBILE: 0833611805.	
			E-MAIL	
TOBILE BOKWÉ	ESKOM, ENV. MANAGER	MWP	TEL 011 860 2303	
			FAX 086 663 2051	
			MOBILE 082 8281777	
			E-MAIL BOKWETT@ESKOM.CO.ZA	
			TEL	

NAME & SURNAME	AFFILIATION & ORGANISATION	POSTAL ADDRESS	CONTACT INFORMATION	SIGNATURE
MPOLOKENG MAMPANE	ESKOM - MATIMBA ENGINEERING	PRIVATE BAG X217 LEPHALALE 0555	FAX - 086 218 3510 MOBILE 082 657 3690 E-MAIL MAMPANML@ESKOM.CO.ZA	
Felicia Sono	ESKOM - Sustainability	ESKOM mwp Sunninghill JHB	TEL 011 800 8652 FAX MOBILE 083 297 4328 E-MAIL felicia.sono@eskom.co.za	
Mpho Muswubi	ESKOM - Sustainability Env management	ESKOM mwp Imaxwel drive	TEL <del>011</del> 800 2346 FAX MOBILE 082 593 3339 E-MAIL mpho.muswubi@eskom.co.za	
Prashika Reddy	Royal HaskoningDHV		TEL 012 367 5973 FAX 012 367 5878 MOBILE E-MAIL	
SESHNI GOVENDER	ROYAL HASKONINGDHV	78 LALKOEN STREET PRETORIA	TEL 012 367 5976 FAX MOBILE 072 4420096 E-MAIL seshni.govender@rhdhvac.com	
			TEL FAX MOBILE	

**ANNEXURE B  
PRESENTATION**

**INTEGRATED ENVIRONMENTAL AUTHORISATION &  
WATER USE LICENCE FOR THE PROPOSED  
CONTINUOUS ASH DISPOSAL FACILITY FOR THE  
MATIMBA POWER STATION IN LEPHALALE, LIMPOPO**

**PUBLIC MEETING – MANKETTI LODGE**

**18h00-20h00**

**21 MAY 2015**

## **Agenda**

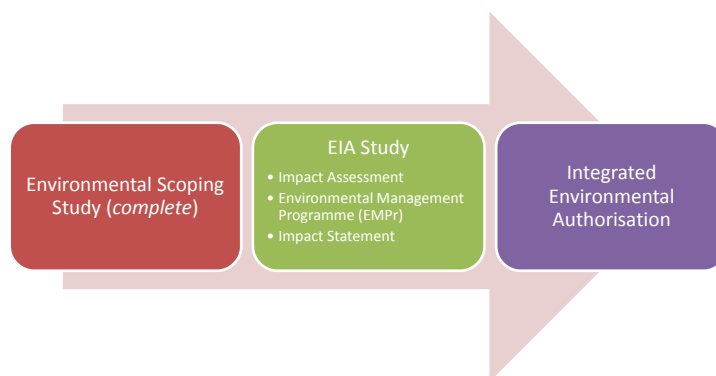
- Welcome & Introduction
- Meeting Objectives
- EIA Process
- Project Need & Justification
- Alternatives
- Continuous Ashing
- Summary of Key Specialist Findings
- Impact Statement & Recommendations
- Water Use Licencing Process
- Public Participation
- Way Forward
- Discussion
- Closure

## Meeting Objectives

- Provide Interested & Affected Parties (I&APs) with information regarding the proposed project
- Provide an overview of the Environmental Impact Assessment (EIA), Water Use Licence Application (WULA) and Public Participation (PP) process
- Provide an opportunity for I&APs to seek clarity and provide input into the project
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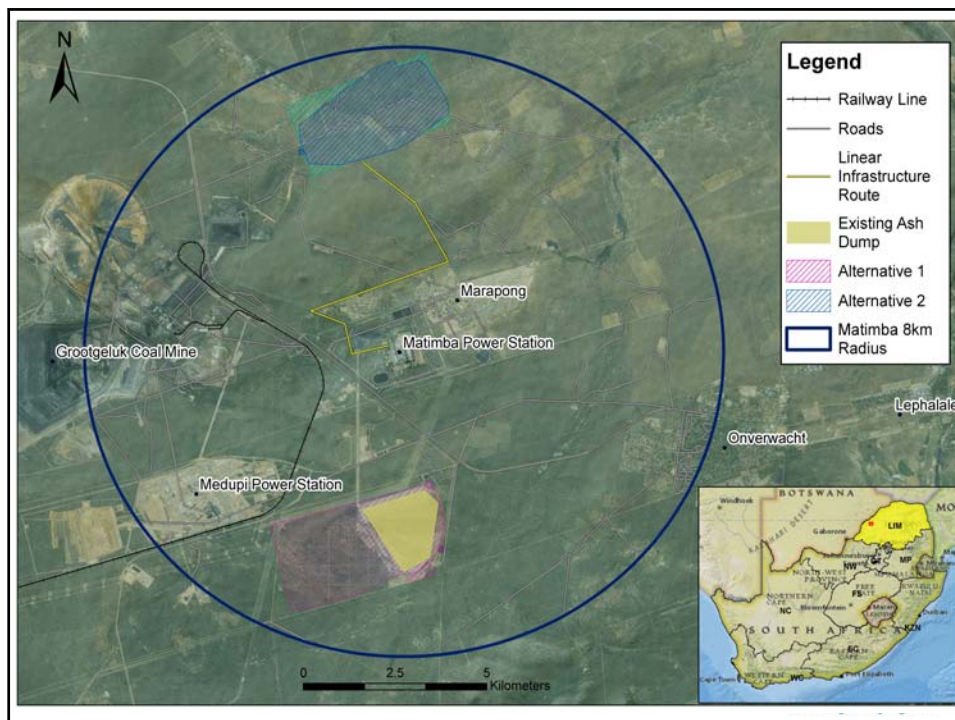


## EIA Process Followed to Date



Licences/Approval	Competent Authority
Integrated Environmental Authorisation (IEA)	Dept of Environmental Affairs (DEA)
Water Use Licence (WUL)	Dept of Water & Sanitation (DWS)



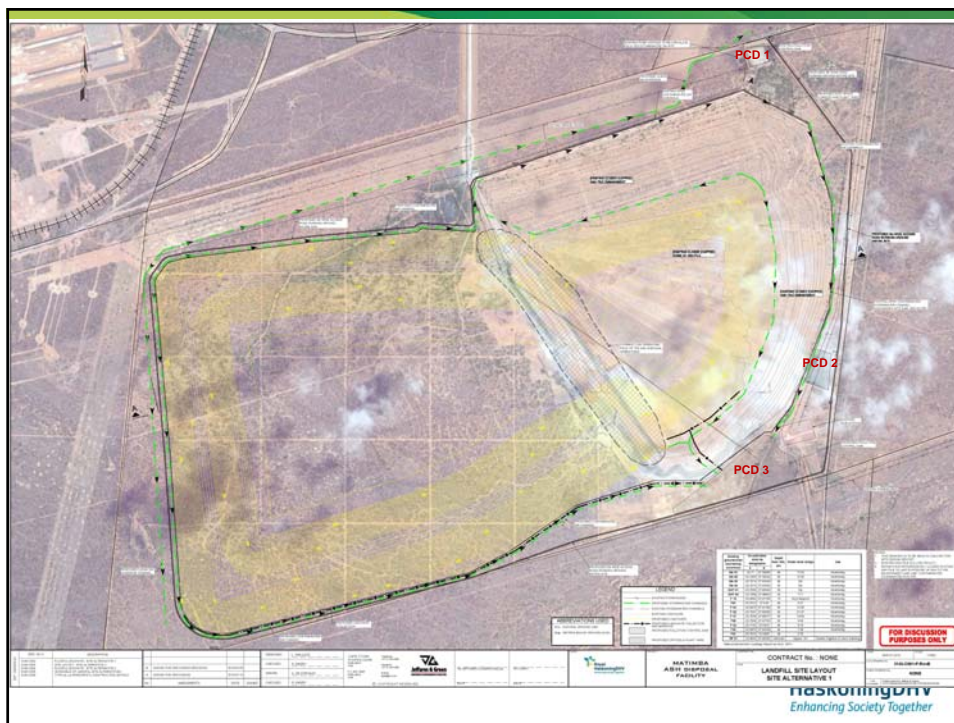
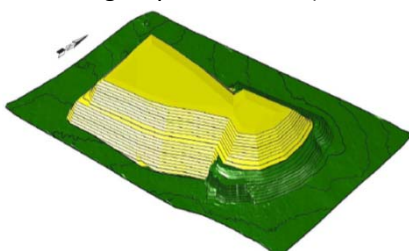


## Project Need & Justification

- Airspace requirements of 267 million m<sup>3</sup> for continuous ashing
- 40 years operation of Matimba Power Station (2015 – 2055)
- Either continuation of the existing ash disposal facility (ADF) or a new facility
- Compliance with environmental legislation (National Environmental Management Act; Waste Act; Water Act; Air Quality Act; Biodiversity Act; Heritage Act)

## Site Alternatives

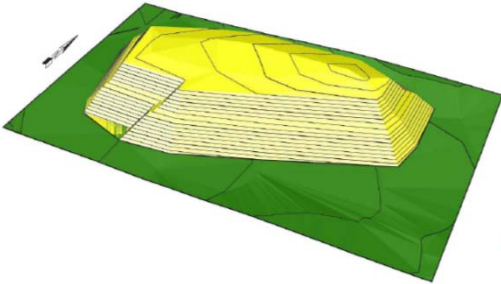
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  - Part of farm (~320ha) currently used as an ADF
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  - New & expansion of infrastructure (stormwater controls, conveyors, extension of the emergency off-load area)





# Site Alternatives (cont.)

- SA2 – Vooruit 449LQ; Appelvlakte 448LQ; Droogeheuvel 447LQ & Ganzepan 446LQ
  - Greenfields site, 660ha to meet airspace requirements
  - 85m above Natural Ground Level
  - New infrastructure (linear infrastructure route – LIR consisting of conveyor system; stormwater controls, PCD, access control, access to ADF)



## Continuous Ashing

- Ash classification – Type 3 requires Class C liner
- Phased lining process:
  - a) Advancing face will not be lined for 4 years;
  - b) After the 4 year period lining of Greenfields portion of the ADF
- Dust suppression using water from the PCDs
- ADF is rehabilitated progressively to protect side slopes from erosion, reduce stormwater collection volumes, lessen visual impact and particulate matter reduction
- Finished capped (rehabilitated) side slope not steeper than 1V:3H for long term slope stability
- Sludge from the PS (sewage plant ~11m<sup>3</sup>/m every 3 months) to be used as a soil ameliorant for the rehab of the dump



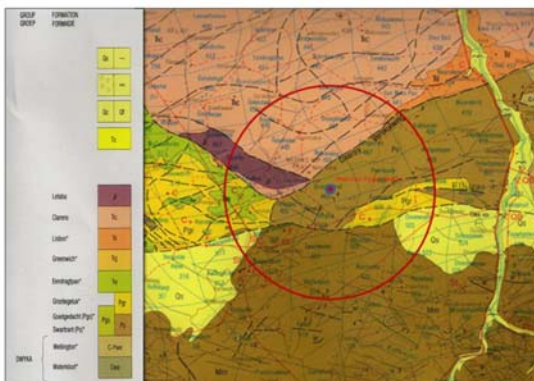
## Specialist Input

Biophysical Environment	Social Environment
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Geotechnical	Visual
Geohydrology (Groundwater)	Heritage & Palaeontology
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Surface Water (Wetlands)	Traffic
Soils & Agricultural Potential	
Biodiversity	



## Summary of Key Specialist Findings

- Geology
  - Sediments & volcanics of the Waterberg Group and Karoo Supergroup underlie the general study area
  - The Daarby Fault is a major northeast then northwest fault
  - Southern portion of SA1 is south of Eenzaamheid fault
  - LIR – traverse Daarby Fault & fault to the north of the Daarby Fault
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  - Faults buffered & excluded from site footprint
  - Faults can act as preferential flow paths for groundwater & potential contamination






## Summary of Key Specialist Findings

	Potential Impacts	SA1	SA2 + LIR
Geotechnical	<ul style="list-style-type: none"> <li>• Stability &amp; slope failure</li> </ul>	<ul style="list-style-type: none"> <li>• Flat to very gently sloping</li> <li>• Shallow depth to bedrock (1 – 2m)</li> <li>• Poor drainage line in the middle of the site</li> <li>• Proven reliability of existing ADF from a foundation stability perspective</li> <li>• Preferred</li> </ul>	<ul style="list-style-type: none"> <li>• Gently sloping</li> <li>• Depth to bedrock (5 – 10m)</li> <li>• Characterised by drainage lines – potential groundwater seepage</li> <li>• LIR – sands are loose in consistency, ground improvements recommended</li> </ul>


## Summary of Key Specialist Findings

	Potential Impacts	SA1	SA2 + LIR
Geohydrology	<ul style="list-style-type: none"> <li>Hydrocarbon contamination through spillages</li> <li>Transport of ash</li> <li>Operational groundwater impacts</li> </ul>	<ul style="list-style-type: none"> <li>Water used for stock watering &amp; domestic purposes</li> <li>Groundwater flow in easterly direction towards Sandloop</li> <li>Problematic parameters in downgradient boreholes – conductivity, TDS, Chloride, Sulphate, Calcium, Sodium, Manganese, Magnesium</li> <li>Depth to water level – slightly deeper</li> <li>1 production borehole</li> <li>Preferred</li> </ul>	<ul style="list-style-type: none"> <li>Water used for stock watering &amp; domestic purposes</li> <li>Groundwater flow in easterly direction towards Sandloop</li> <li>Problematic parameter concentrations lower than SA1</li> <li>13 boreholes in use</li> <li>LIR – traverse 2 faults. Faults potentially affect groundwater flow &amp; provide contamination pathways</li> </ul>

## Summary of Key Specialist Findings

	Potential Impacts	SA1	SA2 + LIR
Hydrology / Stormwater management SA1  SA2  LIR 	<ul style="list-style-type: none"> <li>Run-off from ADF</li> <li>Improper stormwater &amp; leachate management</li> </ul>	<ul style="list-style-type: none"> <li>Pan to the west of SA1 – elevated Fluoride &amp; Al</li> <li>Implementation of Stormwater Management Plan (SWMP)</li> <li>Conceptual SWMP proposed, PCD capacity of 203600m3 required &amp; confirmed</li> <li>Preferred</li> </ul>	<ul style="list-style-type: none"> <li>Dam/pan - Elevated fluoride &amp; metal levels Al ; Mn; Fe</li> <li>Implementation of SWMP</li> <li>Single PCD recommended north of ADF, 180000m3</li> <li>LIR – sumps recommended at lowest points to collect dirty water &amp; return it to PCDs</li> </ul>

## Summary of Key Specialist Findings

	Potential Impacts	SA1	SA2 + LIR
Surface Water (Wetlands / Ephemeral Drainage lines) 	<ul style="list-style-type: none"> <li>Loss of riparian &amp; wetland habitat</li> <li>Stormwater related impacts (discharge into riparian areas)</li> </ul>	<ul style="list-style-type: none"> <li>2 ephemeral drainage features in south west corner</li> <li>Most easterly drainage line confirmed to be a low point</li> <li>Traverses smaller part of site, much narrower and less pronounced veg</li> <li>Sufficient distance away from the Sandloop</li> <li>Preferred</li> </ul>	<ul style="list-style-type: none"> <li>2 ephemeral drainage lines that form a single line at the north west corner</li> <li>Downstream reach of drainage line could be affected by stormwater discharge or polluted groundwater</li> <li>Riparian veg in natural state</li> <li>LIR – watercourse to north of Marapong, close to LIR but will not be impacted</li> </ul>


## Summary of Key Specialist Findings

	Potential Impacts	SA1	SA2 + LIR
Soils & Agricultural Potential	<ul style="list-style-type: none"> <li>Impact on soils, land capability &amp; agric potential</li> <li>Erosion</li> <li>Dust generation</li> </ul>	<ul style="list-style-type: none"> <li>Land use – grazing &amp; ADF</li> <li>Deep sandy soils, high evapo-transpiration &amp; erratic rainfall</li> <li>Risk for crop failure</li> <li>Impacts largely incurred</li> <li>Preferred</li> </ul>	<ul style="list-style-type: none"> <li>Extensively grazed</li> <li>Deep sandy soils, high evapo-transpiration &amp; erratic rainfall</li> <li>Risk for crop failure</li> <li>North west drainage line</li> </ul>

## Summary of Key Specialist Findings


	Potential Impacts	SA1	SA2 + LIR
Biodiversity	<ul style="list-style-type: none"> <li>Loss of sensitive /natural habitats</li> <li>Impact on flora &amp; fauna species (sp) of conservation importance</li> <li>Impact on unique or protected habitat</li> <li>Displacement of fauna</li> <li>Ecological disconnectivity &amp; fragmentation</li> </ul>	<ul style="list-style-type: none"> <li>Removal of sensitive gravel plain habitat</li> <li>Vegetation largely pristine</li> <li>Higher number of protected trees than SA2</li> <li>Higher faunal habitat diversity</li> <li>Red Data sp – Hyena &amp; Tawny Eagle</li> <li>Implementation of added value biodiversity enhancement strategy post-authorisation</li> </ul>	<ul style="list-style-type: none"> <li>Slightly degraded due to grazing</li> <li>Lowest potential for conservation impact taxa to exist</li> <li>Lower habitat diversity</li> <li>Red Data sp – Hyena &amp; Leopard</li> <li>LIR – numerous protected trees (Tamboti), offer a unique sensitive faunal habitat</li> <li>Preferred</li> </ul>

SA1 – Gravel plain




## Summary of Key Specialist Findings

	Potential Impacts	SA1	SA2 + LIR
Air Quality	<ul style="list-style-type: none"> <li>Dust generation during construction &amp; ash disposal</li> <li>Emissions from equipment &amp; vehicles</li> </ul>	<ul style="list-style-type: none"> <li>Daily ave PM10 concentration of 203µg/m3 (within site boundary) exceed National daily ave of 120µg/m3</li> <li>Annual ave of 58µg/m3 against National ave of 50µg/m3</li> <li>Cumulative impacts on Matimba PS &amp; Grootegeluk - 305µg/m3</li> <li>Preferred</li> </ul>	<ul style="list-style-type: none"> <li>Location of site – likely to impact Grootegeluk Mine</li> <li>PM10 conc of 161µg/m3</li> <li>Annual ave of 71µg/m3</li> <li>LIR – 7.23 &amp; 1.47 daily &amp; annual ave respectively</li> <li>Cumulative impacts on Matimba PS &amp; Grootegeluk - 315µg/m3</li> </ul>

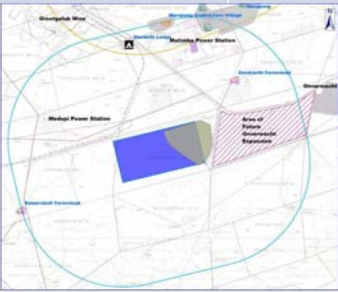



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## Summary of Key Specialist Findings

	Potential Impacts	SA1	SA2 + LIR
Social	<ul style="list-style-type: none"> <li>Human health</li> <li>Water contamination</li> <li>Change in land use</li> <li>Dust</li> <li>Noise</li> <li>Tourism</li> </ul>	<ul style="list-style-type: none"> <li>Existing ADF &amp; infrastructure</li> <li>No change in land use</li> <li>Impacts largely incurred</li> <li>Preferred</li> </ul>	<ul style="list-style-type: none"> <li>Greenfields dev – change in land use</li> <li>Tourism affected (game farms)</li> <li>LIR running adjacent to Marapong</li> </ul>
Heritage & Palaeontology	<ul style="list-style-type: none"> <li>Objects of significance unearthed during construction</li> </ul> 	<ul style="list-style-type: none"> <li>No sites of heritage significance or rocks &amp; fossils found</li> <li>Small two-roomed structure in bad state – difficult to determine date of site as roof, fittings removed</li> <li>No preference</li> </ul>	<ul style="list-style-type: none"> <li>No sites of heritage significance or fossils found</li> <li>Possible grave located outside SA2 footprint</li> <li>No preference</li> </ul>

## Summary of Key Specialist Findings

	Potential Impacts	SA1	SA2 + LIR
Visual	<ul style="list-style-type: none"> <li>Visual intrusion</li> </ul>  	<ul style="list-style-type: none"> <li>Expansion of existing feature</li> <li>Situated in middle of industrial hub</li> <li>Ongoing rehabilitation</li> <li>Preferred</li> </ul>	<ul style="list-style-type: none"> <li>New visual intrusion</li> <li>Natural visual character</li> <li>Large amount of ash would need to be deposited before first rehab efforts</li> <li>Droogehevel farm subject to high degree of visual impact</li> </ul>

## Summary of Key Specialist Findings

	Potential Impacts	SA1	SA2 + LIR
Noise	<ul style="list-style-type: none"> <li>Noise generation through construction &amp; operations</li> </ul>	<ul style="list-style-type: none"> <li>Existing noise climate is degraded by the PS &amp; mine</li> <li>Preferred</li> </ul>	<ul style="list-style-type: none"> <li>Part of 35dBA falls outside existing noise footprint &amp; will extend the noise contour to the north of the site</li> <li>LIR – cumulative impact as it runs parallel to two conveyors for a short distance</li> </ul>

## Summary of Key Specialist Findings

	Potential Impacts	SA1	SA2 + LIR
Traffic	<ul style="list-style-type: none"> <li>Impact on existing road network</li> <li>Increase in traffic during construction &amp; operations</li> </ul>	<ul style="list-style-type: none"> <li>Access from Nelson Mandela Drive (D1675)</li> <li>Being upgraded to 4 lane road</li> <li>Access road to ADF is a gravel road with a level crossing from D1675</li> <li>Preferred</li> </ul>	<ul style="list-style-type: none"> <li>Access D2001 will be upgraded to a paved road if site is selected</li> <li>Recommended that short right turn lane from D2001 into the access road</li> </ul> <ul style="list-style-type: none"> <li>LIR – clearance height of 5.2m for vehicles</li> </ul>



## Impact Statement & Recommendations

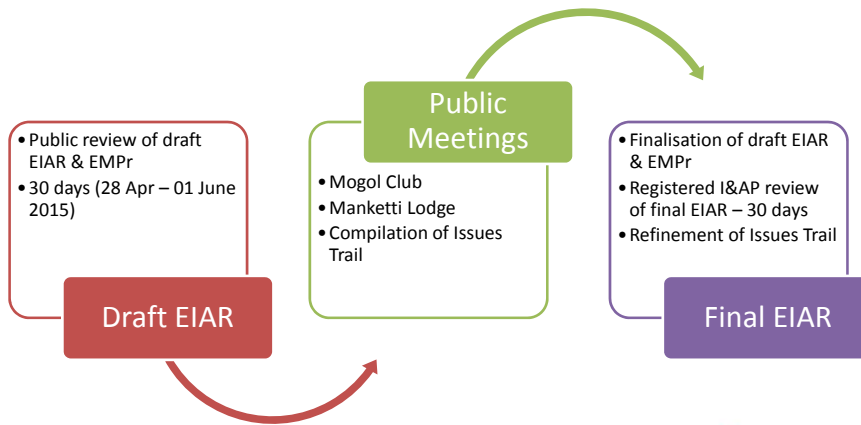
- Significant impacts on biodiversity, geohydrology, hydrology, surface water, air quality, social & visual
- Mitigation through the implementation of the EMPr
- Key Recommendations:
  - Added value biodiversity strategy
  - Implement Stormwater Management Plan
  - Groundwater & surface water monitoring
  - Operation of ADF in line with Draft Operational Plan
  - Transitional lining & lining of greenfields portion of ADF (not applicable to piggy-backed areas)
  - Compliance with key environmental legislation (NEMA, Waste Act, Water Act, Forests Act, Air Quality Act, Heritage Act)
- Comparative assessment of both site alternatives & EAP recommendation – SA1 (700ha) preferred over SA2



## Water Use Licencing Process

Identified Water Uses	Applicability
<ul style="list-style-type: none"> <li>• Section 21 (c) - impeding or diverting the flow of water in a watercourse &amp; Section 21 (i) - altering the bed, banks, course or characteristics of a watercourse</li> <li>• Section 21 (e) - irrigation of any land with waste or water containing waste generated through an industry activity or waterworks</li> <li>• Section 21 (g) - disposing of waste in a manner which may detrimentally impact on a water resource</li> </ul>	<ul style="list-style-type: none"> <li>• Construction of an ADF within the buffer zone of drainage line/ephemeral drainage feature</li> <li>• Irrigation of the ash dump with waste water for dust suppression purposes</li> <li>• Ash disposal on the ADF</li> <li>• Disposal of leachate from the ADF into the pollution control dam</li> <li>• Emergency off-load area</li> <li>• Use of sludge for rehabilitation</li> </ul>

# Public Participation



# Public Participation (cont.)

Venue s	Contact Number
Matimba Power Station	014 763 8084
Lephalale Library	014 762 1453
Marapong Community Library	014 768 3927
Manketti Lodge	083 305 3104
Royal HaskoningDHV Offices	012 367 5800

Available electronically: <http://www.rhdhv.co.za/services/environmental/current-projects>

- Review & Commenting Period of draft EIAR: **28 April – 01 June 2015**
- Review & Commenting Period of final EIAR: TBA



## Way Forward

Compilation and distribution of meeting minutes

Inclusion of Authority & I&AP comments into final EIAR & EMPr

Review of final EIAR & EMPr by registered I&APs for further 30 days

Submission of final EIAR & EMPr to DEA

DEA decision (Integrated Environmental Authorisation)



## Discussion

- Questions?
- Comments?





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**Thank You for your attention**

## 4 ISSUES TRAIL

**INTEGRATED ENVIRONMENTAL AUTHORISATION FOR THE PROPOSED CONTINUOUS ASH DISPOSAL FACILITY FOR THE  
MATIMBA POWER STATION IN LEPHALALE, LIMPOPO PROVINCE**

**ISSUES TRAIL**

**DEA REF: 14/12/16/3/3/3/56**

**JULY 2015**

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### ACRONYMS:

DEA	Department of Environmental Affairs
DWS	Department of Water and Sanitation
EAP	Environmental Assessment Practitioner
EIA	Environmental Impact Assessment
EIAR	Environmental Impact Assessment Report
EMPr	Environmental Management Programme
ESR	Environmental Scoping Report
ESS	Environmental Scoping Study
HIA	Heritage Impact Assessment
I&APs	Interested and Affected Parties
IEA	Integrated Environmental Authorisation
LIR	Linear Infrastructure Route
PIA	Palaeontological Impact Assessment
SA1	Site Alternative 1
SA2	Site Alternative 2
SAHRA	South African Heritage Resources Agency

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SIA Social Impact Assessment

WUL Water Use Licence



## 1. EIA STUDY

ISSUE/COMMENT	RAISED BY	RESPONSE
<p>1. Concerns regarding cumulative impacts.</p> <p>2. Is it preferred to establish the proposed ash disposal facility (ADF) on site alternative 1 (SA1), where the existing facility is located?</p> <p>3. It was mentioned that during site selection, all the specialist studies were integrated and each of the sites was rated. Have the two site alternatives been rated as having a high, medium or low environmental impact?</p> <p>4. A study was conducted and it revealed that mixing ash with the discarded material and disposing it in the pits is not recommended. Another alternative was suggested whereby the ash should be used to layer the mine pits and for this a waste management licence will need to be applied for. However, the issue of who takes responsibility for the activity will still need to be resolved.</p> <p>5. Depending on the site that is finally selected, will an additional EIA be conducted to assess the impacts of the overland conveyor system on site alternative 2 (SA2) or will it be part of this ongoing exercise?</p>	<p>Filomaine Swanepoel Environmental Specialist Exxaro Coal (Waterberg region) Tel: 014 763 9288 Email: <a href="mailto:filomaine.swanepoel@exxaro.com">filomaine.swanepoel@exxaro.com</a> Received: 28 May 2013</p>	<p>1. At this stage, an Environmental Scoping Study (ESS) has been conducted and an Environmental Scoping Report (ESR) has been compiled for the proposed ash disposal facility (ADF) and potential positive and negative impacts have been indentified. During the next phase of the study i.e. Environmental Impact Assessment (EIA) study, these impacts including any cumulative impacts identified will be rated according to nature, extent, duration, intensity, probability and significance. The assessment of impacts will encompass both options of extending the existing ADF and establishing another facility, depending on recommended site. An Environmental Management Programme (EMPr) will be compiled that will provide actions for the management of identified impacts emanating from the project.</p> <p>2. This will be confirmed after completion of the EIA studies which will assess which of the 2 site alternatives has the least environmental impact. Thereafter, one site will be recommended as the preferred.</p> <p>3. At this Scoping phase, only potential impacts have been identified. Further discussion and rating of these impacts will be undertaken during the EIA phase. The rating that was used during site screening is specifically for GIS mapping purposes and tied to environmental aspects. Site screening first identifies fatal flaws and then determines the potential feasible alternatives and their preference ranking and does not necessarily conclude that one is ideal or it will not be impacted upon. During the EIA phase, the significance of the impacts will be determined and mitigation measures proposed.</p> <p>4. The option of backfilling the mine pit is an innovative idea but at the same time it needs to be not only technically feasible but also environmentally sustainable in terms of potential impacts that might arise and what it will cost to implement it. The option was considered and found that it is not environmentally sustainable because of negative environmental impacts e.g. increase in elements such as Boron, Mercury and Arsenic in the groundwater; increased acidity in the seepage due to Acid Rock Drainage and increase in salt loads in the water in the mine pit. Therefore, this option will not be pursued and assessed further in this study.</p> <p>5. The impacts of an overland conveyor on SA2 will be conducted as part of the current EIA study. A corridor that is wide enough to allow alternatives and deviations to the facility will be catered for and all sensitive areas will be identified and considered.</p>

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

ISSUE/COMMENT	RAISED BY	RESPONSE
1. Main interest is a description of environmental issues and potential impacts on the surrounding area.	Silas Raluthaga Private Tel: 073 151 4654 Email: <a href="mailto:tsraluthaga@gmail.com">tsraluthaga@gmail.com</a> Received: 20 May 2013	1. At this stage, an ESS has been conducted and an ESR has been compiled for the proposed ADF and potential positive and negative impacts have been identified. During the next phase of the study i.e. Environmental Impact Assessment (EIA) study, these impacts including any cumulative impacts identified will be rated according to nature, extent, duration, intensity, probability and significance. The assessment of impacts will encompass both options of extending the existing ADF and establishing a new facility, depending on recommended site. An EMPr will be compiled that will provide actions for the management of identified impacts emanating from the project.
1. Why hasn't backfilling of the mining pits at the Grootegeluk mine been considered as an alternative for the disposal of ash? We owe it to the environment to undertake the activities responsibly and sustainably, thus the option of backfilling of the mining pits at Grootegeluk needs to be considered.	Johannes van Rooyen Owner: Farm Kalkfontein Tel: 083 304 7063 Email: <a href="mailto:johan.vrooyen@exxaro.com">johan.vrooyen@exxaro.com</a> Received: 15 April and 28 May 2013	1. One of the main purposes of the PP process is to get input from I&APs. The Eskom team is aware of the option of backfilling the pit at the Grootegeluk mine with the ash and that extensive research that has been undertaken. This study was commissioned when Eskom applied for an Environmental Authorisation for Medupi Power Station in which the Department of Environmental Affairs (DEA) would not grant a licence for on-site ashing, until such investigations were made.
2. Eskom also owns two (2) farms on the north-eastern side of Matimba Power Station but due to the town development, in Marapong and near the Sandloop River the proposed facility should not be considered to be placed on the side of Marapong.		The option of backfilling the mine pit was considered and the main challenge encountered was a high risk of groundwater pollution resulting from the in-pit ash disposal and liability.
3. Does it mean that the licence being applied for is for ash disposal for the remaining life of the power station? If SA1 is completely covered will ashing then commence on SA2?		The report on the feasibility studies conducted on backfilling the Grootegeluk colliery mine pit has been considered. The findings and recommendations have been incorporated into the final ESR under Chapter 4 (Project Alternatives). However, this option will not be pursued and assessed further for the proposed ADF.
4. Has the assessment of the impacts been done yet and will the findings be revealed at a public meeting?		2. The two (2) Eskom owned farms on the north-eastern side of the Matimba Power Station are not under consideration for the proposed ADF. They were not identified in the process of site identification undertaken.
5. Studies have been done previously for the proposed project and a public meeting was conducted. The same sites were identified.		3. SA2 is being considered as an alternative for the establishment of an ADF and that does not necessarily mean that in future this site will be utilized for ashing. The EIA process requires the assessment of feasible alternatives and SA2 was selected as an alternative for an ADF and for which SA1 is also being assessed. One site will be recommended for licencing once the EIA studies are complete.
6. How come EIA studies were not done for the Matimba Power Station and yet the studies have been / are being conducted for other Power Station projects?		
7. A public meeting will need to be held to explain to I&APs impacts on the environment as a result of the proposed ADF and which site is recommended.		4. At this stage, an ESS has been conducted and an ESR has been compiled for the proposed ADF and potential positive and negative impacts have been identified. During the next phase of the study i.e. EIA study, these impacts including any cumulative impacts identified will be rated according to nature, extent, duration, intensity, probability and significance. The assessment of impacts will encompass both options of extending the

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

ISSUE/COMMENT	RAISED BY	RESPONSE
		<p>existing ADF and establishing another facility, depending on the recommended site.</p> <p>A public meeting will be held during the draft EIA report public review period; notifications will be sent to I&amp;APs informing them about the details of the meeting. The reports compiled will also be made available for public perusal and comment.</p> <p>5. Some EIA studies have previously been conducted for projects in the Lephalale area such as Medupi Power Station in 2005. Thereafter, studies were conducted for two coal fired-power stations in the Lephalale area. This public meeting is specifically for an ADF for the Matimba Power Station and no meetings have been held before.</p> <p>6. The Matimba Power Station was commissioned in the 1980s before any environmental laws came into force and thus no studies were required to be conducted. Despite this, Eskom put systems in place to minimize impacts on environment.</p> <p>7. A public meeting will be held during the draft EIA report public review period; notifications will be sent to I&amp;APs informing them about the details of the meeting. The reports compiled will also be made available for public perusal and comment.</p>
<ol style="list-style-type: none"> <li>1. Environmental impact on natural ecosystems functioning, landscapes and biodiversity. Specifically impacts related to Exxaro's Manketti Game Reserve.</li> <li>2. Establishing the proposed off-sets for the project. Off-sets envisaged on a species, ecosystem and landscape scale; he can be of assistance.</li> <li>3. Rehabilitation potential and plans.</li> </ol>	<p>Marius Fuls            Research Manager            Exxaro: Ferroland Wildlife            Tel: 083 305 3104            Email: <a href="mailto:marius.fuls@exxaro.com">marius.fuls@exxaro.com</a>            Received: 15 April 2013</p>	<ol style="list-style-type: none"> <li>1. A number of potential impacts on biodiversity have been identified during this ESS phase which may occur as a result of the proposed project. Therefore, a detailed biodiversity assessment of the study area will be undertaken in the EIA study phase in order to adequately assess the potential impacts and recommend appropriate mitigation measures.</li> <li>2. The appointed biodiversity specialists (Bathusi Environmental Consulting and Fauna Specialists Incorporated) have been provided with the contact details of the I&amp;AP - Marius Fuls.</li> <li>3. A draft EMPr will be compiled that will provide actions for the management of identified impacts emanating from the project. This EMPr will also take Eskom's rehabilitation processes into consideration, as Eskom continuously rehabilitates the ADF.</li> </ol>
<ol style="list-style-type: none"> <li>1. Exxaro proposes that the alternative of disposing the Matimba ash into the Grootegeluk pit be investigated.               <ul style="list-style-type: none"> <li>• During 2006, Eskom and Exxaro jointly appointed consultants to conduct a study for ash disposal from the Medupi Power Station into the Grootegeluk pit.</li> <li>• It was concluded that the Grootegeluk pit was not</li> </ul> </li> </ol>	<p>JL Wepener            General Manager            Waterberg Region            Exxaro Coal            Tel: 014 763 9322            Email: <a href="mailto:Wolfie.jahn@exxaro.com">Wolfie.jahn@exxaro.com</a>            Received: 6 June 2013</p>	<ol style="list-style-type: none"> <li>1. The Eskom team is aware of the option of backfilling the pit at the Grootegeluk mine with the ash and that extensive research that has been undertaken. This study was commissioned when Eskom applied for an Environmental Authorisation for Medupi Power Station in which the DEA would not grant a licence for on-site ashing, until such investigations were made. The option of backfilling the mine pit was considered and the main challenge encountered was a high risk of groundwater pollution caused by the ash disposal and the liability.</li> </ol>

ISSUE/COMMENT	RAISED BY	RESPONSE
<p>advanced sufficiently at that stage to take the Medupi ash into the pit.</p> <ul style="list-style-type: none"> <li>The Grootegeluk pit has in the meantime advanced considerably making the disposal of Matimba ash into the Grootegeluk pit in the near future a real possibility.</li> <li>Exxaro thus proposes that the disposal of Matimba ash into the Grootegeluk pit be considered as an alternative to on-surface ash disposal. All reports of the previous studies are available from the Eskom Megawatt Park offices.</li> </ul>		<p>The report on the feasibility studies conducted on backfilling the Grootegeluk colliery mine pit has been considered. The findings and recommendations have been incorporated into the final ESR under Chapter 4 (Project Alternatives). However, this option will not be pursued and assessed further for the proposed ADF.</p>
<ol style="list-style-type: none"> <li>Is the Eskom environmental team aware of discussions that were being undertaken between Eskom and Exxaro to dispose of the ash into the mining pits at the Grootegeluk mine? Studies for this option have already been undertaken and the contact details of the relevant Exxaro officials are available from whom detailed information can be obtained. This option can be included as an additional alternative to be assessed in the EIA.</li> <li>What are the timeframes for the proposed project?</li> <li>Will the findings of the specialist studies be distributed?</li> </ol>	<p>Johannes Molepo                      Exxaro: Ferroland Wildlife                      Tel: 082 269 6334                      Email: <a href="mailto:Johannes.molepo@exxaro.com">Johannes.molepo@exxaro.com</a>                      Received: 28 May 2013</p>	<ol style="list-style-type: none"> <li>The Eskom environmental team is aware of the option of backfilling the pits at the Grootegeluk mine with the ash and that extensive research that has been undertaken. This study was commissioned when Eskom applied for an Environmental Authorisation for Medupi Power Station in which the DEA would not grant a licence for on-site ashing, until such investigations were made. The option of backfilling the mine pit was considered and the main challenge encountered was a high risk of groundwater pollution caused by the ash disposal and the liability.                      The report has been considered on the feasibility studies conducted on backfilling the Grootegeluk colliery mine pits. The findings and recommendation have been incorporated into the final ESR under Chapter 4 (Project Alternatives).</li> <li>After the draft ESR public review period is completed, the scoping report will be finalized and submitted to DEA for review and decision making (the DEA has 14 days to acknowledge receipt of the final ESR and 30 days to reject or accept the final ESR). The final ESR will also be made available to I&amp;APs for further review and comment for 21 days (the comments are sent directly to DEA and a copy provided to the Environmental Assessment Practitioner i.e. Royal HaskoningDHV).                      The EIA phase can only commence once the final ESR has been accepted by DEA and it will involve the compilation of an EIA report (including the findings of the detailed specialist studies) and an EMPr. These reports go through a public review period again.</li> <li>The findings of the specialist reports will form part of the EIA report; full copies of the specialist reports will be included in the appendices.</li> </ol>

## 2. WATER RESOURCES

ISSUE/COMMENT	RAISED BY	RESPONSE
<p>1. Concern is that proposed project will lead to the contamination of groundwater.</p>	<p>Susara Maria Gouws                      Owner: Farm Ganzepan 446 LQ                      Tel: 012 567 4646                      Email: <a href="mailto:coeng@gmail.com">coeng@gmail.com</a>                      Received: 14 May 2013</p>	<p>1. Contamination of groundwater has been identified as a potential impact in this ESS phase and will be examined in detail in the EIA study phase during which a detailed geo-hydrological assessment will be undertaken. An EMPr will be compiled that will provide actions for the management of identified groundwater impacts emanating from the project.</p> <p>In addition, The design of the ADF will be undertaken by the appointed Environmental Engineering Company (Jeffares &amp; Green). The proposed ADF will have to be designed and constructed as per the following legislation:</p> <ul style="list-style-type: none"> <li>• DWA Minimum Requirements (Trilogy)</li> <li>• GN. R. 614 of 2012 Waste Classification and Management Regulations.</li> <li>• GN. R. 615 of 2012- Standard for Disposal of Waste to Landfill.</li> <li>• GN. 35583 of 2012 - National Waste Information Regulations.</li> </ul> <p><i>Post note – all studies have been updated to be in compliance with the GN. R. 634 (Waste Classification and Management Regulations); GN. R. 635 (Norms and Standards for the Assessment of Waste for Landfill Disposal) and GN. R. 636 (Norms and Standard for Disposal of Waste to Landfill).</i></p>
<p>1. Concern is groundwater contamination.</p>	<p>Marius Fuls                      Research Manager                      Exxaro: Ferroland Wildlife                      Tel: 083 305 3104                      Email: <a href="mailto:marius.fuls@exxaro.com">marius.fuls@exxaro.com</a></p>	<p>1. Contamination of groundwater has been identified as a potential impact in this ESS phase and will be examined in detail in the EIA study phase during which a detailed geo-hydrological assessment will be undertaken. A draft EMPr will be compiled that will provide actions for the management of identified groundwater impacts emanating from the project.</p> <p>In addition, The design of the ADF will be undertaken by the appointed Environmental Engineering Company (Jeffares &amp; Green). The proposed ADF will have to be designed and constructed as per the following legislation:</p> <ul style="list-style-type: none"> <li>• DWA Minimum Requirements (Trilogy)</li> <li>• GN. R. 614 of 2012 - Waste Classification and Management Regulations.</li> <li>• GN. R. 615 of 2012 - Standard for Disposal of Waste to Landfill.</li> <li>• GN. R 625 of 2012 - National Waste Information Regulations.</li> </ul> <p><i>Post note – all studies have been updated to be in compliance with the GN. R. 634 (Waste Classification and Management Regulations); GN. R. 635 (Norms and Standards for the Assessment of Waste for Landfill Disposal) and GN. R. 636 (Norms and Standard for Disposal of Waste to Landfill).</i></p>

ISSUE/COMMENT	RAISED BY	RESPONSE
1. Are the Section 21 c & i water uses applicable to the existing ADF or to the new facility? Will there be a water use licence application (WULA) for both site alternatives?	Filomaine Swanepoel Environmental Specialist Exxaro Coal (Waterberg region) Tel: 014 763 9288 Email: <a href="mailto:filomaine.swanepoel@exxaro.com">filomaine.swanepoel@exxaro.com</a> Received: 21 May 2015	1. The WULA will only be lodged for the preferred site i.e. SA1. The following water uses will be applied for i.e. Section 21e, g and c & i (for the drainage lines on the site).

### 3. HERITAGE

ISSUE/COMMENT	RAISED BY	RESPONSE
1. It is noted in the draft ESR, a Heritage Impact Assessment will be undertaken for this proposed project. Please note that in addition to the assessment of archaeological and palaeontological resources, any other heritage resources that may be impacted such as built structures over 60 years old, sites of cultural significance associated with oral histories, burial grounds and graves, graves of victims of conflict, and cultural landscapes or views must also be assessed.  If the property is very small or disturbed and there is no significant site the heritage specialist may choose to send a letter to the heritage authority to indicate that there is no necessity for any further assessment.	Phillip Hine Heritage Officer SAHRA Tel: 021 462 4502 Email: <a href="mailto:phine@sahra.org.za">phine@sahra.org.za</a> Received: 25 May 2013	1. A full phase 1 archaeological survey of the two alternative sites (selected for the proposed ADF) will be conducted in the EIA phase in accordance with the requirements of Section 38 of the National Heritage Act (No. 25 of 1999).
1. SAHRA requests that the heritage impact assessment is revised in the light of the heritage sites highlighted in Figure 14 and 32 of the Scoping Report. The impact that the proposed SA1 and 2 and LIR will have on these sites must be clearly explained in the assessment.  2. A palaeontological desktop assessment be undertaken for SA1. If the palaeontologists deems it suitable, a letter of exemption may be submitted to the heritage authority suggesting that no further palaeontological studies are necessary.	Phillip Hine Heritage Officer SAHRA Tel: 021 462 4502 Email: <a href="mailto:phine@sahra.org.za">phine@sahra.org.za</a> Received: 16 October 2014	1. The interim comments were provided on the draft Scoping Report (2013) that included a high-level assessment of heritage/archaeological sites that might be found in an 8km radius surrounding the Matimba Power Station. The 8km study area was then subject to a fatal flaw/screening assessment and all heritage sites of significance e.g. Nelson's Kop (Category 1 site) included in Figure 14 of the ESR were indicated as fatal flaws and not considered as feasible areas for the construction of the ADF. Subsequent to this fatal flaw/screening investigation, two feasible sites were proposed for further assessment in the Scoping phase. At a high-level, the sites included within SA1 and SA2 were presented in the ESR and would be subject to detail investigation and an Heritage Impact Assessment (HIA).  2. The HIA was uploaded 22 May 2014 that looked at the heritage resources within/close proximity to site alternatives. The HIA also took in to account the conveyor route system. Comments on

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<p>3. A palaeontological impact assessment be undertaken for SA2 and the related conveyor belt.</p> <p>4. If SA2 is preferred for the ADF, a palaeontological field assessment will be required and must be submitted to SAHRA for commenting before authorisation is granted. The field assessment must include the proposed conveyor route alignment.</p>		<p>the HIA are still outstanding.</p> <p>3. As per the interim comments, a desktop Palaeontological Impact Assessment (PIA) was requested for SA1 and PIA requested for SA2 and the conveyor route. A PIA has since been done for both sites as well as the conveyor system. No fossils were found at either site alternative or the conveyor route. The PIA was uploaded as well as the confirmation from Prof Marion Bamford (also uploaded onto the SAHRIS site).</p>

#### 4. SOCIAL

ISSUE/COMMENT	RAISED BY	RESPONSE
<p>1. Concern is loss of property value to properties adjacent to the area.</p>	<p>Susara Maria Gouws Owner: Farm Ganzepan 446 LQ Tel: 012 567 4646 Email: <a href="mailto:coeng@gmail.com">coeng@gmail.com</a> Received: 14 May 2013</p>	<p>1. During the EIA study phase, a Social Impact Assessment (SIA) study will be conducted and which will identify and assess in detail the social impacts resulting from the proposed ADF. Management and mitigation measures to address the identified impacts will be recommended. These measures will be formulated to maximize the positive impacts and reduce the extent of the negative impacts.</p>
<p>2. Main interest is the negative impact on the environment – i.e. impact on game farming.</p>	<p>Susara Maria Gouws Owner: Farm Ganzepan 446 LQ Tel: 012 567 4646 Email: <a href="mailto:coeng@gmail.com">coeng@gmail.com</a> Received: 14 May 2013</p>	<p>1. One of the potential impacts identified during the ESS study is that the proposed ADF might have an impact on land uses such as game farming. During the EIA study phase, a SIA study will be conducted and which will identify and assess in detail the social impacts resulting from the proposed ADF. Management and mitigation measures to address the identified impacts will be recommended. These measures will be formulated to maximize the positive impacts and reduce the extent of the negative impacts.</p>

#### 5. AIR

ISSUE/COMMENT	RAISED BY	RESPONSE
<p>1. Concern is the rise of air pollution that will be a health risk.</p>	<p>Susara Maria Gouws Owner: Farm Ganzepan 446 LQ</p>	<p>1. Health concerns as a result of air pollution from the ADF have been identified during the ESS phase as a potential impact. During the EIA study phase, a SIA study will be conducted and</p>

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ISSUE/COMMENT	RAISED BY	RESPONSE
	Tel: 012 567 4646 Email: <a href="mailto:coeng@gmail.com">coeng@gmail.com</a> Received: 14 May 2013	which will identify and assess the social impacts resulting from the proposed ADF. Management and mitigation measures to address the identified impacts will be recommended. These measures will be formulated to maximize the positive impacts and reduce the extent of the negative impacts.  Furthermore, an Air Quality Impact Assessment will be undertaken in the EIA study phase in order to assess in detail the potential air quality impacts and recommend appropriate mitigation measures.
1. Exxaro is not in favour of constructing any new ADF on their property. The proposed sites are directly in the prevailing wind direction of their existing operations and thus, dust will be a serious problem.	JL Wepener General Manager Waterberg Region Exxaro Coal Tel: 014 763 9322 Email: <a href="mailto:Wolfie.jahn@exxaro.com">Wolfie.jahn@exxaro.com</a> Received: 6 June 2013	1. Air pollution as a result of dust generation from the ADF has been identified during the ESS phase as a potential impact. An Air Quality Impact Assessment will be undertaken in the EIA study phase in order to assess in detail the potential air quality impacts and recommend appropriate mitigation measures.
1. Concern is on the farms Zongesien and / or Peerboom which are just east of Marapong. Wind direction is normally west and cause hygiene and dusty environment leading to health problems.	Johannes van Rooyen Owner: Farm Kalkfontein Tel: 083 304 7063 Email: <a href="mailto:johan.vrooyen@exxaro.com">johan.vrooyen@exxaro.com</a> Received: 15 April 2013	1. Health concerns as a result of air pollution from the ADF have been identified during the ESS phase as a potential impact. During the EIA study phase, a SIA study will be conducted and which will identify and assess the social impacts resulting from the proposed ADF. Management and mitigation measures to address the identified impacts will be recommended. These measures will be formulated to maximize the positive impacts and reduce the extent of the negative impacts. Furthermore, an Air Quality Impact Assessment will be undertaken in the EIA study phase in order to assess in detail the potential air quality impacts and recommend appropriate mitigation measures.

## 6. BIODIVERSITY

ISSUE/COMMENT	RAISED BY	RESPONSE
1. Sandloop River and dams downstream are rich with water bird life such as Fish Eagle and therefore should not be disturbed.	Johannes van Rooyen Owner: Farm Kalkfontein Tel: 083 304 7063 Email: <a href="mailto:johan.vrooyen@exxaro.com">johan.vrooyen@exxaro.com</a> Received: 15 April 2013	1. The occurrence of threatened fauna species such as birds has been noted during the ESS phase and which the proposed project may impact. Therefore, a detailed biodiversity assessment of the study area will be undertaken in the EIA study phase in order to adequately assess the potential impacts and recommend appropriate mitigation measures.



ISSUE/COMMENT	RAISED BY	RESPONSE
1. Out of interest, what is the main reason that the biodiversity specialist preferred SA2 over SA1?	Filomaine Swanepoel Environmental Specialist Exxaro Coal (Waterberg region) Tel: 014 763 9288 Email: <a href="mailto:filomaine.swanepoel@exxaro.com">filomaine.swanepoel@exxaro.com</a> Received: 21 May 2015	1. The loss of the gravel plain habitat, which is considered to be high-sensitivity, has resulted in the specialist marginally preferring SA2 over SA1. It should be reiterated, that a development of this nature would result in loss of vegetation, irrespective of the site that is chosen. SA1 has vegetation that is largely pristine compared to SA2. When considering SA2, the impacts of establishing a linear infrastructure route (LIR) also needs to be taken into account as SA1 already has existing infrastructure available i.e. LIR.

## 7. CONTINUOUS ASHING

ISSUE/COMMENT	RAISED BY	RESPONSE
1. For the continuation of ashing on SA1, will you be lining the facility? The assumption is that the existing facility is not lined. Are you licencing the entire facility?	Filomaine Swanepoel Environmental Specialist Exxaro Coal (Waterberg region) Tel: 014 763 9288 Email: <a href="mailto:filomaine.swanepoel@exxaro.com">filomaine.swanepoel@exxaro.com</a> Received: 21 May 2015	<p>1. Only the greenfield portion of SA1 will be lined. The entire 700 ha has been applied for, for licencing. On the greenfield portion of SA1, the Matimba Power Station is facing a scenario whereby operations will have to continue but once the Authority provides the Integrated Environmental Authorisation, the expectation is to comply with all conditions of licencing. The reality is that immediate lining will be challenging. Therefore Eskom are proposing a phased lining approach with transitional provisions. This therefore means that there is a high possibility that Eskom will not be able to line for a period of up to 4 years and the current operating model will be followed on an unlined area. The exact footprint of this unlined area has not been determined.</p> <p><i>Post meeting note: Due to the processes that need to be followed and the timeframes required for preparation of the footprint and construction of the lining system, there will be a period from current operations to disposal on the lining system. The area that will not be lined during the 2 - 4 year period is estimated to be 60 ha, approximately 15 ha per year. The location of this area assumes that the lining provisions start from the time the project gets environmental approval, wherever the ash operations are at that point.</i></p> <p><i>The Applicant (Eskom), will lodge an Application for Exemption (with the DEA) as stipulated under Section 44(1)(a) read with the Section 24M(3) of NEMA (No 107 of 1998) and the National Exemption Regulations (No R.994). In proposing and motivating for the exemption from lining, it must be noted that this situation is practically unavoidable as the basal lining system must first be approved before work can commence on the ground preparation and construction. During this time, it is in the Nation's best interest that the Matimba Power Station continue to operate according to its current ashing model, requiring ash disposal continue as at present. This will</i></p>

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		<p>mean continued ashing on an unlined surface during this period. Mitigation measures which must be enforced during the 2 - 4 year ash disposal includes the following:</p> <ul style="list-style-type: none"> <li>Any boreholes located on the site footprint where ash disposal will occur must be backfilled so as to prevent direct migration of potentially poor quality water into the aquifers and further groundwater pollution. The sealing procedure will be finalised with an appointed Contractor.</li> <li>Prevent excess water on the ADF, dust suppression must be controlled.</li> <li>The groundwater monitoring programme must be continued as detailed in the EMPr (Appendix S).</li> </ul>

## 8. GENERAL

ISSUE/COMMENT	RAISED BY	RESPONSE
<ol style="list-style-type: none"> <li>Farm Appelvlakte 448LQ and Vooruit 449 LQ belong to Exxaro Coal.</li> <li>The ADF is sealed on the edges to capture any run-off from the ash pile and seepage of groundwater at the toe of the ash pile.</li> </ol>	<p>Filomaine Swanepoel Environmental Specialist Exxaro Coal (Waterberg region) Tel: 014 763 9288 Email: <a href="mailto:filomaine.swanepoel@exxaro.com">filomaine.swanepoel@exxaro.com</a> Received: 28 May 2013</p>	<ol style="list-style-type: none"> <li>Royal HaskoningDHV have established that the farm Appelvlakte 448 LQ Portion 1 indeed belongs to Exxaro Coal (Pty) Ltd and not Lephalale Local Municipality as noted in the ESR. The farm ownership information has been corrected in the final ESR under Chapter 4, section 4.1.2.</li> <li>The existing ADF does have seepage management measures to control groundwater contamination seeing that the groundwater is shallow. The proposed ADF will have a barrier system that will be approved to the Authorities (Department of Water &amp; Sanitation - DWS, and DEA. Even though there was no legislation requiring lining of the facilities, Eskom implemented some Duty of Care principles in these facilities, in order to minimize impacts on the environment.</li> </ol>
<ol style="list-style-type: none"> <li>Main interest is the design and construction of the ash dam.</li> </ol>	<p>Silas Raluthaga Private Tel: 073 151 4654 Email: <a href="mailto:tsraluthaga@gmail.com">tsraluthaga@gmail.com</a> Received: 20 May 2013</p>	<ol style="list-style-type: none"> <li>The concept design of the ADF will be undertaken by the appointed Environmental Engineering Company (Jeffares &amp; Green). The proposed ADF will have to be designed and constructed as per the following legislation: <ul style="list-style-type: none"> <li>Minimum Requirements Trilogy (Trilogy).</li> <li>GN. R. 614 of 2012 Waste Classification and Management Regulations.</li> <li>GN. R. 615 of 2012- Standard for Disposal of Waste to Landfill.</li> <li>GN. R 625 of 2012 - National Waste Information Regulations.</li> </ul> <p><i>Post note – all studies have been updated to be in compliance with the GN. R. 634</i></p> </li> </ol>

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ISSUE/COMMENT	RAISED BY	RESPONSE
		<i>(Waste Classification and Management Regulations); GN. R. 635 (Norms and Standards for the Assessment of Waste for Landfill Disposal) and GN. R. 636 (Norms and Standard for Disposal of Waste to Landfill).</i>
<ol style="list-style-type: none"> <li>1. He is a farm owner within 8 km radius. There is a planned development of an earth dam at Sandloop River with resort rights as the area's wildlife and waterbirds must be protected and not disturbed. Sandloop River cannot be blocked off as the farms downstream have dams in them for water storage.</li> <li>2. Why disturb another area? The proposed ADF should be kept at the existing area south of the power station and should not affect the township.</li> <li>3. Is the existing ADF lined underneath and if not, why not?</li> </ol>	<p>Johannes van Rooyen Owner: Farm Kalkfontein Tel: 083 304 7063 Email: <a href="mailto:johan.vrooyen@exxaro.com">johan.vrooyen@exxaro.com</a> Received: 15 April 2013</p>	<ol style="list-style-type: none"> <li>1. The Sandloop River is the only significant natural water resource that was identified in the study area during the ESS. All sensitive areas will be identified and considered during the establishment of the proposed ADF.</li> <li>2. SA2 is being considered as an alternative for the establishment of the ADF. This is because the EIA process requires the assessment of feasible alternatives and SA2 was selected as an alternative for the same function for which SA1 is also being assessed. One site will be recommended for the establishment of the ADF once the EIA studies are complete.</li> <li>3. The existing ADF is not lined as it was constructed in the 1980's and there was no legislation providing guidelines on how the ADF should be designed, Eskom was therefore not compelled to line the site. Even though there was no legislation requiring lining of the facilities, Eskom implemented some Duty of Care initiatives, in these facilities, in order to minimize impacts on the environment.</li> </ol> <p>However, the proposed new ADF will have a barrier system (only the greenfield portion) that will be approved by the Authorities (DWS and DEA).</p>
<ol style="list-style-type: none"> <li>1. He cannot see any reason why the existing area cannot be used. Should the adjacent farms be used, Ganzepan should also be bought.</li> </ol>	<p>Susara Maria Gouws Owner: Farm Ganzepan 446 LQ Tel: 012 567 4646 Email: <a href="mailto:coeng@gmail.com">coeng@gmail.com</a> Received: 14 May 2013</p>	<ol style="list-style-type: none"> <li>1. SA2 is being considered as an alternative for the establishment of the ADF. This is because the EIA process requires the assessment of feasible alternatives and SA2 was selected as an alternative for the same function for which SA1 is also being assessed. One site will be recommended for the establishment of the ADF once the EIA studies are complete.</li> </ol> <p>Additionally, if Eskom needs to purchase any private land, they will contact the owners directly.</p>
<ol style="list-style-type: none"> <li>1. Two of the farms identified as potential sites are the property of Exxaro Coal (Pty) Ltd. These are farms Vooruit 449 LQ and Appelvlakte 448 LQ. <ul style="list-style-type: none"> <li>• The existing ash dump on the farm Zwartwater 507 LQ only covers approximately 35% of the total farm area. Thus, sufficient space is available for a very long period into the future.</li> <li>• Exxaro realises that the legal requirements for ash disposal</li> </ul> </li> </ol>	<p>JL Wepener General Manager Waterberg Region Exxaro Coal Tel: 014 763 9322 Email: <a href="mailto:Wolfie.jahn@exxaro.com">Wolfie.jahn@exxaro.com</a> Received: 6 June 2013</p>	<ol style="list-style-type: none"> <li>1. Eskom purchased the farm Zwartwater 507 LQ for the disposal of ash a long time before the promulgation of the NEM: Waste Act (No 59 of 2008). However, in order for the activity to continue on the remaining portion of farm Zwartwater 507 LQ or another alternative site, an Integrated Environmental Authorisation (IEA) must be obtained under the current environmental laws i.e. EIA Regulations (2010) promulgated in terms of the National Environmental Management Act (NEMA) No 107 of 1998 [as amended] and the National Environmental Management Waste Act (NEM: WA) No. 59 of 2008.</li> </ol>

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ISSUE/COMMENT	RAISED BY	RESPONSE
have changed, hence the investigation.		SA2 is being considered as an alternative for the establishment of the ADF. This is because the EIA process requires the assessment of feasible alternatives and SA2 was selected as an alternative for the same function for which SA1 is also being assessed. One site will be recommended for the establishment of the ADF once the EIA studies are complete.
<ol style="list-style-type: none"> <li>The existing ADF is located on farm Zwartwater 507 LQ; how many years are remaining before the entire farm can be completely covered by the ash?</li> <li>If the raising of the ash pile on the existing ADF is successful, it means that another alternative site will not be required for the establishment of ADF?</li> </ol>	<p>Johannes Molepo Exxaro: Ferroland Wildlife Tel: 082 269 6334 Email: <a href="mailto:Johannes.molepo@exxaro.com">Johannes.molepo@exxaro.com</a> Received: 28 May 2013</p>	<ol style="list-style-type: none"> <li>The remaining portion of farm Zwartwater 507LQ can cater for ash disposal for the remaining life of the Matimba power station i.e. 40 years (2015 – 2055).</li> <li>Correct. However, SA2 is being considered as an alternative for the establishment of the ADF. This is because the EIA process requires the assessment of feasible alternatives and SA2 was selected as an alternative for the same function for which SA2 is also being assessed. One site will be recommended for the establishment of the ADF once the EIA studies are complete.</li> </ol>
<ol style="list-style-type: none"> <li>Spill incidents and any other emergency incident that may occur as a result of the activity must be reported to the Department in terms of Section 30 (5) of the National Environmental Management Act (No. 107 of 1998).</li> <li>Adequate measures must be implemented regarding the collection, removal and disposal of waste during each stage of the development from site preparation to construction and operation.</li> <li>No waste, including excavated topsoil and boulders may be buried or burned on the site.</li> <li>Details of any contracted companies responsible for waste collection, transportation, treatment or recycling facility should be kept on site.</li> </ol>	<p>L.B. Maesela Limpopo Department of Economic Development, Environment and Tourism Tel: 015 290 7098 Email: <a href="mailto:maesela@ledet.gov.za">maesela@ledet.gov.za</a> Received: 24 June 2013</p>	<ol style="list-style-type: none"> <li>Procedures for reporting, handling and recording spills will be provided in the EMPr which will form part of the final EIAR.</li> <li>Waste management measures and procedures during the construction phase of the ADF will be provided in the Environmental Management Programme (EMPr) which will form part of the final EIAR. The operational phase will be in compliance with the station's ISO 14001 certification requirements.</li> <li>Waste management measures and procedures during the construction phase of the ADF will be provided in the EMPr which will form part of the final EIAR. The operational phase will be in compliance with the station's ISO 14001 certification requirements.</li> <li>This will be done in compliance with the station's ISO 14001 certification requirements.</li> </ol>
<ol style="list-style-type: none"> <li>We have gone through the draft EIAR and understand that SA1 is preferred, however the concern from Exxaro's side is two-fold, if SA2 gets approved: <ol style="list-style-type: none"> <li>Firstly; the biodiversity specialist recommends an alternative LIR alignment, however nowhere in the document does it state that this alternative route is not feasible due to the following reasons: the route will cause fragmentation of the Nelsonskop farm area that is currently</li> </ol> </li> </ol>	<p>Filomaine Swanepoel Environmental Specialist Exxaro Coal (Waterberg region) Tel: 014 763 9288 Email: <a href="mailto:filomaine.swanepoel@exxaro.com">filomaine.swanepoel@exxaro.com</a> Received: 21 May 2015</p>	<ol style="list-style-type: none"> <li>The alternative LIR corridor was proposed during the Scoping Study and Exxaro where requested to comment on this alternative. This alternative was not supported and hence not further assessed in the EIA study. However, the biodiversity specialist has still recommended an alternative to the assessed LIR due to the high number of Tamboti trees found in the current proposed LIR. The EIA study prefers SA1, and this is the site that has been proposed for approval from the DEA. The final EIAR will include a discussion on the assessed LIR and the feasibility of the alternative LIR recommended by the biodiversity specialist.</li> </ol>

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<p>being managed as a Game Reserve and Biospheres as part of the Exxaro Land Management area known as Manketti and this recommended route will go through an area currently earmarked for the Superfines Facility of Exxaro Grootegeluk which is in the pre-feasibility stage. This option is thus not feasible.</p> <p>b) Secondly, the positioning of the facility on the farms Vooruit, Applevlakte, Droogheuwel and Ganzepan (SA2) will then also cut through a possible future servitude of roads and linear infrastructure corridor between Grootegeluk and the Zonderwater farm where Exxaro is currently conducting prospecting activities.</p>		
<p>1. What is current height of ADF?</p>	<p>Filomaine Swanepoel Environmental Specialist Exxaro Coal (Waterberg region) Tel: 014 763 9288 Email: <a href="mailto:filomaine.swanepoel@exxaro.com">filomaine.swanepoel@exxaro.com</a> Received: 21 May 2015</p>	<p>1. The current height of the existing ADF is 50 m and the final height of SA1 will reach 90m.</p>
<p>1. Will you increase any of the pollution control dam (PCD) capacities?</p>	<p>Filomaine Swanepoel Environmental Specialist Exxaro Coal (Waterberg region) Tel: 014 763 9288 Email: <a href="mailto:filomaine.swanepoel@exxaro.com">filomaine.swanepoel@exxaro.com</a> Received: 21 May 2015</p>	<p>1. Currently there are three PCDs that will service the existing ADF and the greenfield portion of SA1. The hydrologists have taken various factors (e.g. total run-off from the ADF, mean annual rainfall etc.) into the calculation and confirmed that the capacity of the new PCD (PCD3) would be adequate. When, the piggy-backing starts on the existing ADF, the surface area will be reduced and the two other PCDs (i.e. PCD 1 and 2) together with PCD3 would be adequate to handle the run-off and contaminated water for the ADF.</p>
<p>1. There are currently other proposals for the Droogheuwel farm and we would like to know whether our farm will be affected. The EIA study has been going on for 3 – 4 years now and we have to decide whether we should go with one of the other proposals for the farm.</p>	<p>Louis Grobler Droogheuwel Farm Manager Tel: 083 3611805 Received: 21 May 2015</p>	<p>1. From the EIA study, SA1 is preferred and this is the opinion of the Environmental Assessment Practitioner (EAP) and all the specialist assessments except for biodiversity. This site (SA1) will be put forward for the decision-making and licencing. Mr Grobler and Mr Malherbe should also get into contact with Ms Filomaine Swanepoel (Exxaro Grootegeluk), who at the earlier meeting (at the Mogol Club) provided further details of proposed projects (Superfines Plant and prospecting activities on the farm Zonderwater) that will take place around SA2. Ms Swanepoel's details were provided to Mr Grobler post-meeting.</p> <p>It was further indicated that the transitional arrangements in terms of lining for the project needs to be emphasised. The current ADF does not have a lining system but in terms of new environment legislation, the continuation of ashing on the greenfield footprint</p>

ISSUE/COMMENT	RAISED BY	RESPONSE
		<p>requires lining. Furthermore, because the operational model for dry ashing tends to move horizontally with time, the inherent expectation from the Competent Authority is that Eskom should immediately line once the Integrated Environmental Authorisation is received. Eskom is therefore faced with the scenario whereby that the process of placing a lining on the ground requires time and in this instance, can take anything from 2 – 4 years and during this time, the Matimba Power Station will have to remain operational. Therefore Eskom propose to ash a horizontal footprint of the greenfield portion of the ADF, following the current operational model without a lining. This process can take up to 4 years.</p> <p><i>Post meeting note: Due to the processes that need to be followed and the timeframes required for preparation of the footprint and construction of the lining system, there will be a period from current operations to disposal on the lining system. The area that will not be lined during the 2 - 4 year period is estimated to be 60 ha, approximately 15 ha per year. The location of this area assumes that the lining provisions start from the time the project gets environmental approval, wherever the ash operations are at that point.</i></p> <p><i>The Applicant (Eskom), will lodge an Application for Exemption (with the DEA) as stipulated under Section 44(1)(a) read with the Section 24M(3) of NEMA (No 107 of 1998) and the National Exemption Regulations (No R.994). In proposing and motivating for the exemption from lining, it must be noted that this situation is practically unavoidable as the basal lining system must first be approved before work can commence on the ground preparation and construction. During this time, it is in the Nation's best interest that the Matimba Power Station continue to operate according to its current ashing model, requiring ash disposal continue as at present. This will mean continued ashing on an unlined surface during this period.</i></p> <p><i>Mitigation measures which must be enforced during the 2 - 4 year ash disposal includes the following:</i></p> <ul style="list-style-type: none"> <li>• <i>Any boreholes located on the site footprint where ash disposal will occur must be backfilled so as to prevent direct migration of potentially poor quality water into the aquifers and further groundwater pollution. The sealing procedure will be finalised with an appointed Contractor.</i></li> <li>• <i>Prevent excess water on the ADF, dust suppression must be controlled.</i></li> <li>• <i>The groundwater monitoring programme must be continued as detailed in the EMPr (Appendix S).</i></li> </ul>
<p>1. In the presentation for the public meeting, on Slide 22 (Visual impacts), it is indicated that the Droogeheuvel farm will be subject to a high degree of visual impact. I am concerned about this statement and would like to know if my farm is selected for</p>	<p>Alan Malherbe Droogeheuvel Landowner Tel: 082 442 9296 Email: amalherbe@pilotfreight.co.za</p>	<p>1. From the EIA study, SA1 is preferred and this is the opinion of the EAP and all the specialist assessments except for biodiversity. This site (SA1) will be put forward for the decision-making and licencing.</p>

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

ISSUE/COMMENT	RAISED BY	RESPONSE
<p>the ashing project.</p> <p>2. I have no further comments to make, however I would appreciate being informed of the final decision regarding the site location.</p>	<p>Received: 25 May 2015 &amp; 02 June 2015</p>	<p>2. The final decision regarding the project, i.e. the IEA, will be forwarded to all stakeholders and I&amp;APs once issued by the DEA.</p>