

Appendix F – Public Participation: Review of Draft BAR

Appendix F1 – Site Notice Proof

DUVHA ASH DAM AND ASH RETURN DAMS SEEPAGE INTERCEPTION DRAINS

REVIEW OF DRAFT BAR: PROOF OF SITE NOTCES

Site Notice	Coordinates	Location Description	Photo Reference Numbers
1.	25°58'19.04" S; 29°21'02.47" E	R575	1A & B
2.	25°57'55.55"S; 29°19'49.95"E	Corner of Road leading to Duvha Power Station	2A & B
3.	25°57'47.31" S; 29°19'57.47" E	Entrance to Duvha Power Station	3A & B
4.	25°57'21.41"S; 29°19'46.41"E	Entrance to Illanga Secondary School	4A & B
5.	25°57'51.31"S; 29°18'56.69"E	Entrance to Eyethu Coal Property	5A & B
6.	25°57'40.03"S; 29°18'57.16"E	Farm Portion 3 of Farm 337	6A & B
7.	25°56'34.20"S; 29°19'06.14"E	Farm Portion 13 of Farm 335	7A & B
8.	25°56'27.19"S; 29°18'51.27"E	Farm Portion 14 of Farm 335	8A & B
9.	25°55'38.22"S; 29°19'33.69"E	Farm Portion 3 of Farm 318	9A & B
10.	25°57'21.20"S; 29°21'44.42"E	Along R575	10A & B
11.	25°56'49.56"S; 29°22'06.65"E	Along R575	11A & B
12.	25°52'20.9"S; 29°13'00.6"E	Emalahleni Main Library (28 Hofmeyer St, Witbank, Emalahleni, 1035)	12A & B



Figure 1: Google Earth map of Site Notices



Photo Ref. No.

1A



1B



Photo Ref. No.

2A



2B



Photo Ref. No.

3A

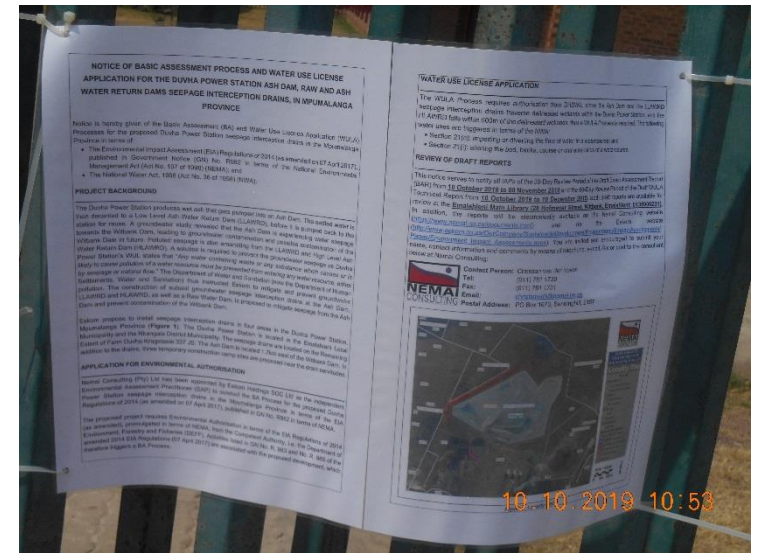


3B



Photo Ref. No.

4A



4B



Photo Ref. No.

5A

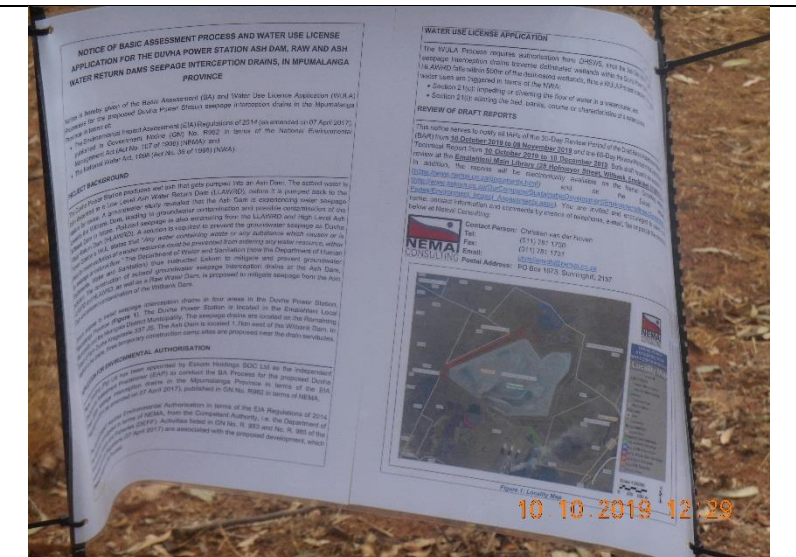


5B



Photo Ref. No.

6A

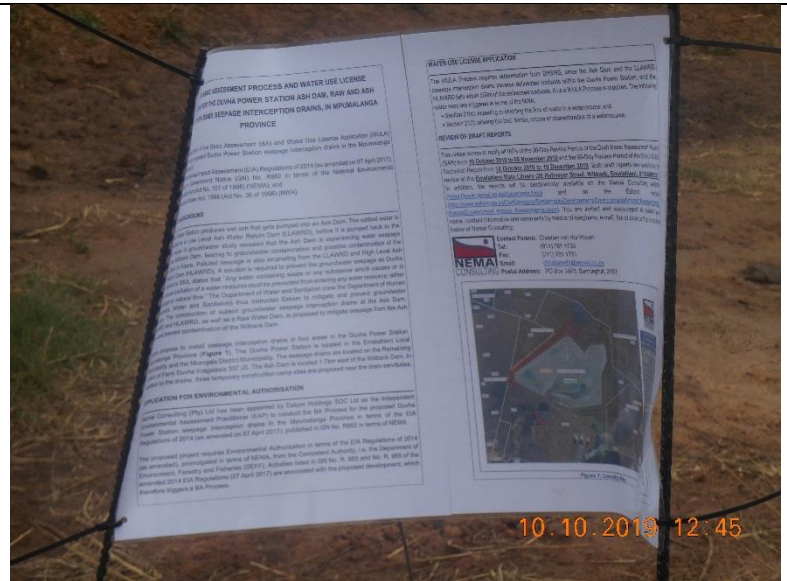


6B



Photo Ref. No.

7A



7B



Photo Ref. No.

8A



8B



Photo Ref. No.

9A



9B



Photo Ref. No.

10A



10B



Photo Ref. No.

11A



Photo Ref. No.

11B

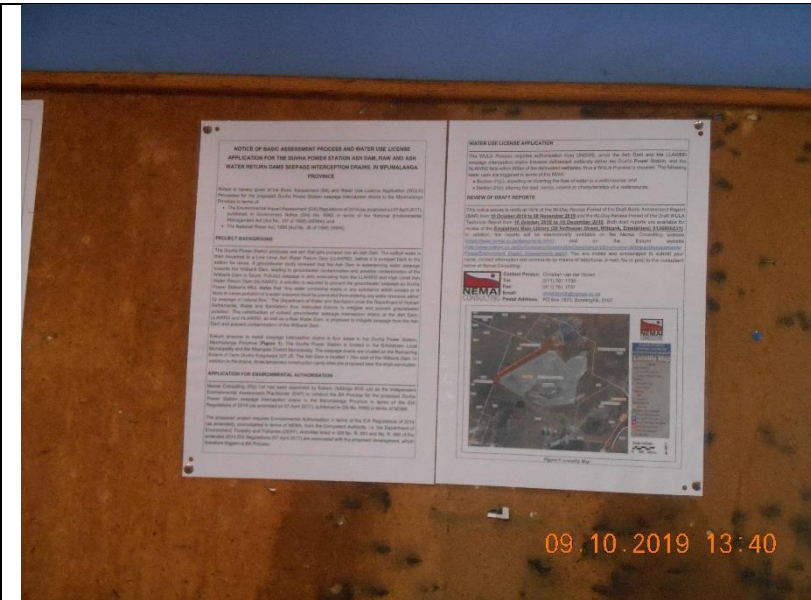


Photo Ref. No.

12A

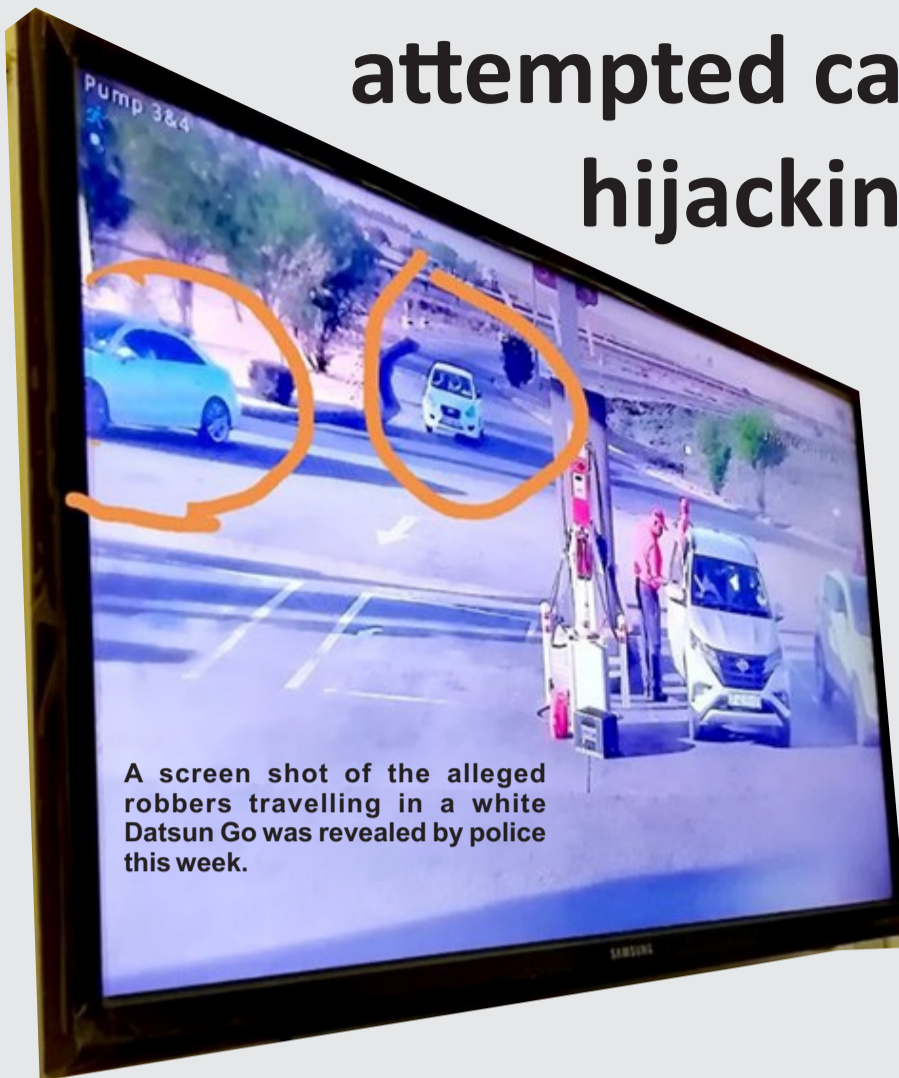


Photo Ref. No.

12B

Appendix F2 – Newspaper Advertisements

Local resident escapes attempted car hijacking



A screen shot of the alleged robbers travelling in a white Datsun Go was revealed by police this week.

A local resident is lucky to be alive after being raced by alleged robbers over the weekend. The man, whose identity is known to the Herald, was followed by a white Datsun Go from eMalahleni to the N12 Petroport. According to a police report, the occupants of the Datsun were five males. The shocked resident thanked God that he is still alive. He warned other members of the community to stay vigilant after posting about his ordeal on social media. "I remember leaving them behind on the freeway. As I was off-ramping to the garage, I was shocked to see them behind me. I made a quick U-turn and parked my

car and immediately alerted the staff therein. We watched them as they countlessly stole valuables from unsuspecting motorists."

"When you step out your car, they immediately open the rear door and pass. You will think you have locked your car and go into the garage, only to find that the rear door is open. And that's where they jump in and steal all valuables you have. We called the police but the thieves were so fast that they left before the police arrived.

They might be residing around Witbank. The only letters of their plate numbers we took was DTL...MP. Watch out guys at parking lots", warned the resident.

Premier leads public awareness walk-about against GBV

The walk follows an increase in the number of reported cases of gender based violence in the province.

Mpumalanga Premier, Refilwe Mtshweni-Tsipane has challenged men to help in curbing the scourge of Gender-Based-Violence (GBV). Mtshweni-Tsipane led a public awareness walk-about against GBV in Moloto village, outside Kwamhlanga. Mtshweni-Tsipane wants rape and all forms of crimes against women and children to come to an end.

"We are saying we cannot sit back as government and fold our arms seeing this happening day in day out to our children. At some point, this has to stop

and it has to stop now. We are saying enough is enough. We will join hands working with our civil organisations, our communities, our faith-based organisations and also our traditional leaders and healers."

The Department of Social Development in the province is offering assistance to GBV survivors.

Community members say the thought of living in a world without the threat of women and children being abused brings relief. Mtshweni-Tsipane has called on all men to take a firm stand against gender-based violence, and allow women to live without fear of being attacked.

Musschenbroek is the hero of the annual Loskop Cycling Race



Myles van Musschenbroek was the final finisher on the day for the recent Middelburg Cycling Club's annual Loskop Cycling Race.



The organisers of the Middelburg Cycling Club's annual Loskop Cycling Race would like to congratulate all the participants who made the day special. Myles van Musschenbroek won the recent men's 118km Loskop Road Race in Middelburg. Callum Ormiston finished in the same time, while James Fourie followed about three minutes later.

Jade Roberts rode to victory in the women's event to beat Cashandra Slingerland and Taneal Otto by two minutes.

The 92km men's and women's races saw Wimpe Brough and Diana Gnudi claim the victories, while Bertie

Anderson and Wendy Strydom won the 50km men's and women's events. More results can be viewed below.

118km:

Men

1. Myles van Musschenbroek 2:50:54
2. Callum Ormiston 2:50:54
3. James Fourie 2:53:00
4. Jandre Storm 2:56:29
5. Barry Crouch 2:56:31

Women

1. Jade Roberts 3:18:40
2. Cashandra Slingerland 3:20:04
3. Taneal Otto 3:20:30
4. Lizle Rosenstein 3:20:33
5. Juanita Venter 3:22:12.

NOTICE OF BASIC ASSESSMENT PROCESS AND WATER USE

LICENSE APPLICATION FOR THE DUVHA POWER STATION ASH DAM, RAWAND ASH WATER RETURN DAMS SEEPAGE INTERCEPTION DRAINS IN, MPUMALANGA PROVINCE

Eskom Holdings SOC (Ltd) has appointed Nema Consulting as an independent Environmental Consultant to conduct the Basic Assessment (BA) Process in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA) in accordance with the 2014 Environmental Impact Assessment (EIA) Regulations, as amended (07 April 2017), and the Water Use License Application (WULA) in terms of the National Water Act, 1998 (Act No. 36 of 1998) (NWA), for the proposed Duvha Power Station Ash Dam, Rawand Ash Water Return Dams Seepage Interception Drains. The Ash Dam, which receives wet ash from the Duvha Power Station, is contaminating groundwater and will possibly contaminate the Witbank Dam due to seepage in future. Polluted seepage is also emanating from the Low Level Ash Water Return Dam (LLAWRD) and High Level Ash Water Return Dam (HLAWRD). The construction of seepage interception drains at the Ash Dam, LLAWRD, HLAWRD, and Raw Water Dam, is proposed to mitigate seepage from the dams and prevent contamination of the Witbank Dam.

In addition, notice is given to all Interested and Affected Parties (IAPs) of the 30-Day Review Period of the Draft Basic Assessment Report (BAR) from 10 October 2019 to 08 November 2019 and the 60-Day Review Period of the Draft WULA Technical Report from 10 October 2019 to 10 December 2019. The Reports will be available for review at the [Emalahleni Main Library \(28 Hofmeyer Street, Witbank, Emalahleni; 0136906231\)](mailto:Emalahleni_Main_Library). The Reports will also be electronically available on the Nema Consulting website (<https://www.nema.co.za/documents.html>) and the Eskom website ().

Any comments or concerns must be submitted to Christian van der Hoven by the end of the respective review periods via telephone (0117811730), fax (0117811731), email (christianvdh@nema.co.za) or post (PO Box 1673 Sunninghill, 2157).

Appendix F3 – Proof of Notification

Public Participation – Proof of Notification of Review Period of Draft BAR



Wed 09/10/2019 03:51 PM

Christian Van Der Hoven

10628-Proposed Duvha Power Station Ash Dam, Raw and Ash Water Return Dams Seepage Interception Drains - Notification

To

Bcc 'EIAAdmin@environment.gov.za'; 'StanleyT@environment.gov.za'; 'mulaudzim@dwa.gov.za'; 'ralekoaw@dwa.gov.za'; 'nkosinm@nkangaladm.org.za'; 'gambulc@nkangaladm.gov.za'; 'mahlanguv@nkangaladm.gov.za'; 'officeofmm@emalahleni.gov.za'; 'vilakazisf@emalahleni.gov.za'; 'environmental@emalahleni.gov.za'; 'officeofthemm@emalahleni.gov.za'; 'nkabindeej@emalahleni.gov.za'; 'tpgulube900@gmail.com'; 'AndrewT@daff.gov.za'; 'zinziem@daff.gov.za'; 'SiyabulelaK@daff.gov.za'; 'PruNkosi@mpg.gov.za'; 'PNNtuli@mpg.gov.za'; 'mhbaboko@mpg.gov.za'; 'NkosiTP@mpg.gov.za'; 'bmoduka@mpg.gov.za'

Message 10628-20191003-BID.pdf

NOTICE OF BASIC ASSESSMENT PROCESS AND WATER USE LICENSE APPLICATION FOR THE DUVHA POWER STATION ASH DAM, RAW AND ASH WATER RETURN DAMS SEEPAGE INTERCEPTION DRAINS, IN MPUMALANGA PROVINCE

Eskom Holdings SOC (Ltd) has appointed Nema Consulting as an independent Environmental Consultant to conduct the Basic Assessment (BA) Process in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA) in accordance with the 2014 Environmental Impact Assessment (EIA) Regulations, as amended (07 April 2017), and the Water Use License Application (WULA) in terms of the National Water Act, 1998 (Act No. 36 of 1998) (NWA), for the proposed Duvha Power Station Ash Dam, Raw and Ash Water Return Dams Seepage Interception Drains.

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The Reports will also be electronically available on the Nema Consulting website (<https://www.nemai.co.za/documents.html>) and the Eskom website (http://www.eskom.co.za/OurCompany/SustainableDevelopment/EnvironmentalImpactAssessments/Pages/Environment_Impact_Assessments.aspx).

IAPs are encouraged to review and comment on the Draft BAR and WULA Technical Report. Any comments or concerns must be submitted via telephone, fax, email or post by the end of the respective review periods, to the Consultant below at Nema Consulting:



Contact Person: Christian van der Hoven
Tel: (011) 781 1730
Fax: (011) 781 1731
Email: christianvdh@nemai.co.za
Postal Address: PO Box 1673, Sunninghill, 2157



Wed 09/10/2019 03:52 PM

Christian Van Der Hoven

10628-Proposed Duvha Power Station Ash Dam, Raw and Ash Water Return Dams Seepage Interception Drains - Notification

To

Bcc 'ALLENDALE@MWEB.CO.ZA'; 'WITBANK@COROBRIK.CO.ZA'; 'BONGIDUVHA@LANTIC.NET'; 'venterl@emalahleni.gov.za'

Message

10628-20191003-BID.pdf

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Wed 09/10/2019 03:52 PM


Christian Van Der Hoven

10628-Proposed Duvha Power Station Ash Dam, Raw and Ash Water Return Dams Seepage Interception Drains - Notification

To

Bcc 'admin@nimsi.co.za'; 'Mandla.mthembu@eskom.co.za'; 'info@ingweminerals.co.za'

Message

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Postal Address: PO Box 1673, Sunninghill, 2157

Public Participation – Proof of Notification of Extension of Review Period of Draft BAR



Fri 22/11/2019 04:12 PM

Christian Van Der Hoven

RE: 10628-Proposed Duvha Power Station Ash Dam, Raw and Ash Water Return Dams Seepage Interception Drains - Notificat

To

Bcc 'StanleyT@environment.gov.za'; 'mulaudzim@dwa.gov.za'; 'ralekoaw@dwa.gov.za'; 'nkosinm@nkangaladm.org.za'; 'gambulc@nkangaladm.gov.za'; 'mahlanguvm@nkangaladm.gov.za'; 'officeofmm@emalahleni.gov.za'; 'vilakazisf@emalahleni.gov.za'; 'environmental@emalahleni.gov.za'; 'officeofthemm@emalahleni.gov.za'; 'nkabindeej@emalahleni.gov.za'; 'tqgulube900@gmail.com'; 'AndrewT@daff.gov.za'; 'zinzilem@daff.gov.za'; 'SiyabulelaK@daff.gov.za'; 'PruNkosi@mpg.gov.za'; 'PNNtuli@mpg.gov.za'; 'mhmaboko@mpg.gov.za'; 'NkosITP@mpg.gov.za'; 'bmoduka@mpg.gov.za'; 'Ndlhovu Tshlidzi'; 'Mbulaheni Lindelani (MBA)'; 'rkubayi@environment.gov.za'

Dear Commenting Authority

Following from the email below, the review period of the Draft BAR for the proposed Duvha Power Station Ash Dam, Raw and Ash Water Return Dams Seepage Interception Drains concluded on **08 November 2019**. However, please note that the review period has been extended until **15 January 2020**.

Authorities are encouraged to review and comment on the Draft BAR and WULA Technical Report. Any comments or concerns on the Draft BAR must be submitted via telephone, fax, email or post to the Consultant below at Nemai Consulting by **15 January 2020**.

In addition, you are also kindly reminded to provide any comments or concerns on the Draft WULA Technical Report which must be submitted via telephone, fax, email or post to the Consultant below at Nemai Consulting by **10 December 2019**.

You are welcome to contact us if you have any queries.

P.S. Please forward this correspondence to any other parties within your organisation who you may deem to be interested in the project.

Kind regards,

Christian van der Hoven

Environmental Consultant

Tel: 011 781 1730

Fax: 011 781 1731

Email: christianvdh@nemai.co.za

Address: 147 Bram Fischer Drive, Ferndale

Website: www.nemai.co.za



NEMAI
CONSULTING



Fri 22/11/2019 04:15 PM

Christian Van Der Hoven

RE: 10628-Proposed Duvha Power Station Ash Dam, Raw and Ash Water Return Dams Seepage Interception Drains - Notificat

To

Bcc 'ALLEDALE@MWEB.CO.ZA'; 'WITBANK@COROBRIK.CO.ZA'; 'BONGIDUVHA@LANTIC.NET'; 'venterl@emalahleni.gov.za'

Good Afternoon

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You are welcome to contact us if you have any queries.

Kind regards,

Christian van der Hoven

Environmental Consultant

Tel: 011 781 1730

Fax: 011 781 1731

Email: christianvdh@nemaï.co.za

Address: 147 Bram Fischer Drive, Ferndale

Website: www.nemaï.co.za





Fri 22/11/2019 04:17 PM

Christian Van Der Hoven

RE: 10628-Proposed Duvha Power Station Ash Dam, Raw and Ash Water Return Dams Seepage Interception Drains - Notifical

To

Bcc 'admin@nimsi.co.za'; 'Mandla.mthembu@eskom.co.za'; 'info@ingweminerals.co.za'

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You are welcome to contact us if you have any queries.

Kind regards,

Christian van der Hoven

Environmental Consultant

Tel: 011 781 1730

Fax: 011 781 1731

Email: christianvdh@nemaï.co.za

Address: 147 Bram Fischer Drive, Ferndale

Website: www.nemaï.co.za



SMS Proof of Notification of Review Period of Draft BAR

Time Sent	Number	Status	Message Body
2019-10-09 17:15:04.0	27732643987	Delivered	Notice of review of Draft Basic Assessment Report (BAR) and Draft Water Use Licence Application (WULA) Technical Report for the proposed Duvha Power Station Ash Dam, Raw and Ash Water Return Dams Seepage Interception Drains. Review period of Draft BAR: 10 Oct to 8 Nov 2019; and WULA: 10 Oct to 10 Dec 2019
2019-10-09 17:15:04.0	27732643987	Delivered	. Copies of reports available at Emalahleni Main Library: 28 Hofmeyer Street, Emalahleni, 0136906231. Website: http://www.nemai.co.za/environmental.html .
2019-10-09 17:15:04.0	27732643987	Delivered	Queries: Christian v. d. Hoven from Nemai Consulting, T: (011) 781 1730, E: christianvdh@nemai.co.za.
2019-10-09 17:15:04.0	27832910088	Delivered	Notice of review of Draft Basic Assessment Report (BAR) and Draft Water Use Licence Application (WULA) Technical Report for the proposed Duvha Power Station Ash Dam, Raw and Ash Water Return Dams Seepage Interception Drains. Review period of Draft BAR: 10 Oct to 8 Nov 2019; and WULA: 10 Oct to 10 Dec 2019
2019-10-09 17:15:04.0	27832910088	Delivered	. Copies of reports available at Emalahleni Main Library: 28 Hofmeyer Street, Emalahleni, 0136906231. Website: http://www.nemai.co.za/environmental.html .
2019-10-09 17:15:04.0	27832910088	Delivered	Queries: Christian v. d. Hoven from Nemai Consulting, T: (011) 781 1730, E: christianvdh@nemai.co.za.
2019-10-09 17:15:04.0	27823426602	Delivered	Notice of review of Draft Basic Assessment Report (BAR) and Draft Water Use Licence Application (WULA) Technical Report for the proposed Duvha Power Station Ash Dam, Raw and Ash Water Return Dams Seepage Interception Drains. Review period of Draft BAR: 10 Oct to 8 Nov 2019; and WULA: 10 Oct to 10 Dec 2019
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2019-10-09 17:15:04.0	27823426602	Delivered	Queries: Christian v. d. Hoven from Nemai Consulting, T: (011) 781 1730, E: christianvdh@nemai.co.za.
2019-10-09 17:15:04.0	27603768021	Delivered	Notice of review of Draft Basic Assessment Report (BAR) and Draft Water Use Licence Application (WULA) Technical Report for the proposed Duvha Power Station Ash Dam, Raw and Ash Water Return Dams Seepage Interception Drains. Review period of Draft BAR: 10 Oct to 8 Nov 2019; and WULA: 10 Oct to 10 Dec 2019
2019-10-09 17:15:04.0	27603768021	Delivered	. Copies of reports available at Emalahleni Main Library: 28 Hofmeyer Street, Emalahleni, 0136906231. Website: http://www.nemai.co.za/environmental.html .
2019-10-09 17:15:04.0	27603768021	Delivered	Queries: Christian v. d. Hoven from Nemai Consulting, T: (011) 781 1730, E: christianvdh@nemai.co.za.

Appendix F4 – Proof of Deliveries

PostNet Name: PostNet Ferndale Village

Tel. No.: 0843249068 Acc. No.: PM526

From: (Sender) Nemi Consulting (Pty) Ltd

Street Address: 167 Fernvale Rd, Ferndale

Suburb: Ferndale

City/Town: Johannesburg Code: 2194

Contact: Christian Tel: 011 7811730

E-mail: christianvdh@nemi.co.za

PN001006246



CONSIGNEE COPY

To: (Receiver) Department of Agricultural Land Affairs

Street Address: 105 Corner Leinster Avenue, K...

Suburb: Magistrate Buildings, Markham

City/Town: Markham Code: 2420

Contact: Andrew Tshabalala Tel: 0151453500

E-mail: Andrew.Tshabalala@goz.co.za

SPECIAL INSTRUCTIONS

International DOCUMENTS NON-DOCUMENTS

WE HAVE BEEN AND AGREE TO THE STANDARD CONDITIONS OF CARRIAGE (OVERLEAF), WHICH SHALL APPLY TO THIS COMMISSION AND ALL FUTURE COMMISSIONS ACCEPTED BY POSTNET. WE FURTHER DECLARE THAT THIS COMMISSION DOES NOT CONTAIN DANGEROUS GOODS.

EXPRESS PACK SECURITY NUMBER ON LIP OF FLYER

SENDER

Name: _____ Date: _____

Signature: _____ Time: _____

PROOF OF DELIVERY

Name: *Mwume* Date: *07/10/19*

Signature: *[Signature]* Time: _____

ID No.: _____

Insurance Yes No If yes, state value: _____

Domestic OVERNIGHT COURIER (48 HR-72HR) ECONOMY COURIER (24-48 HR) SAVEDAY COURIER DAWN COURIER OTHER SPECIFY _____ SATURDAY AFTERNOON

No. of Parcels _____ Description _____ Length in cm _____ Breadth in cm _____ Height in cm _____ Mass in kg _____

Total No. of Parcels: _____ Total Vol: _____ Total Mass: _____

ACCEPTED BY POSTNET

Name _____

Signature _____

Date _____ Time _____

POSTNET COURIER

An **airmail** company

PostNet Name: **PostNet-Fernside Village**

tel No: **0843249068** Acc No: **PN526**

PN001006245



CONSIGNEE COPY

From: (Sender) **Remotecanberra(pty)ltd**

Street Address **67 Gungahlin Drive**

Suburb **Terrace**

City/Town **Canberra** Code **2191**

Contact **Christian** Tel **0117811730**

E-mail **christian.vahc@remotecanberra.com.au**

To: (Receiver) **Department of Health**

Street Address **3rd Floor, Government Building**

Suburb **Braun Street** Code **2601**

City/Town **Wettable** Code **2601**

Contact **Tracie Haddley** Tel **013 750 0716**

E-mail **tracie.haddley@gov.au**

Insurance Yes No If yes, state value

Domestic OVERNIGHT COURIER (24-48 hrs) ECONOMY COURIER (48 hrs-72 hrs) DAYNIGHT COURIER PUBLIC HOLIDAY AFTER HOURS

No. of Parcels Description Length in cm Breadth in cm Height in cm Mass in kg

No. of Parcels	Description	Length in cm	Breadth in cm	Height in cm	Mass in kg
Total No. of Parcels Total Vol					
Total Mass					

ACCEPTED BY POSTNET

Name

Signature

Date

Time

International DOCUMENTS NON-DOCUMENTS

SPECIAL INSTRUCTIONS

WE HAVE SEEN AND AGREE TO THE STANDARD CONDITIONS OF CARRIAGE FOR FREIGHT WHICH SHALL APPLY TO THIS CONSIGNMENT AND ALL FUTURE CONSIGNMENTS ACCEPTED BY POSTNET. WE FURTHER DECLARE THAT THIS CONSIGNMENT DOES NOT CONTAIN DANGEROUS GOODS.

EXPRESS PACK SECURITY NUMBER ON LIP OF FLYER

SENDER

Name: _____ Date: _____

Signature: _____ Time: _____

PROOF OF DELIVERY

Name: **Wahne** Date: **07/10/19**

Signature: **[Signature]** Time: _____

ID No.:

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PN001006250

PostNet Name: PostNet Ferndale Village
 Tel. No.: 0843249068
 Acc. No.: FNE26

From: (Sender)
 (Company Name) *Neutral Consulting*
 Street Address *147 Zimam Fisher Drive*
 Suburb *Ferndale*
 City/Town
 Code *2199*

To: (Receiver)
 (Company Name) *Mouninga DARDLEA*
 Street Address *Seamoh Machel Building*
 Suburb *No. 7 Government Building, Riverside Park*
 City/Town *Mbombela*
 Code *1200*

Contact *Christian* Tel *013-760-16020*
 E-mail *christianvdh@kamar.co.za* Tel *013-760-16020*
 E-mail *RINNTU17@mpg.gov.za*

Insurance	Yes <input type="checkbox"/>	No <input type="checkbox"/>	If yes, state value	
Domestic	<input checked="" type="checkbox"/> OVERNIGHT COURIER (48 HRS-72HRS)	<input type="checkbox"/> EARLY COURIER (48 HRS-72HRS)	<input type="checkbox"/> DAWN COURIER	<input type="checkbox"/> SATURDAY PUBLIC HOLIDAY/ AFTER HOURS
	<input type="checkbox"/> NOW EXPRESS (24-48 HRS)	<input type="checkbox"/> SAMEDAY COURIER	<input type="checkbox"/> OTHER SPECIFY	

No. of Parcels	Description	Length in cm	Breadth in cm	Height in cm	Mass in kg
		Total No. of Parcels		Total Vol	Total Mass

SPECIAL INSTRUCTIONS

INTERNATIONAL DOCUMENTS NON-DOCUMENTS

WE HAVE SEEN AND AGREE TO THE STANDARD CONDITIONS OF CARRIAGE (DELRCAF) WHICH SHALL APPLY TO THIS CONSIGNMENT AND ALL FUTURE CONSIGNMENTS ACCEPTED BY POSTNET. WE FURTHER DECLARE THAT THIS CONSIGNMENT DOES NOT CONTAIN DANGEROUS GOODS

EXPRESS PACK SECURITY NUMBER ON LIP OF FLYER

SENDER

Name: *Christen* Date: *07-10-2019*
 Signature: _____ Time: *12:05*

PROOF OF DELIVERY

Name: *Wangy* Date: _____
 Signature: *[Signature]* Time: _____

ID No.: _____

ACCEPTED BY POSTNET

Name _____
 Signature _____
 Date _____ Time _____

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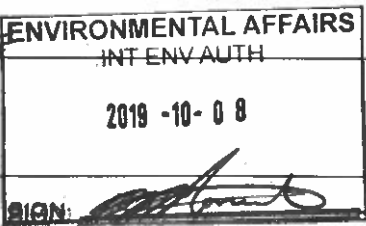


147 Bram Fischer Drive
FERNDALE
2194

P O Box 1673
SUNNINGHILL
2157

Tel: 011 781 1730
Fax: 011 781 1731
Email: info@nemai.co.za
www.nemai.co.za

Proof of Delivery

Nemai Project Number:	10682
Project Description:	Duvha Power Station Ash Dam, Raw and Ash Water Return Dams Seepage Interception Drains in Mpumalanga Province
Document Submitted:	<u>Basic Assessment Report:</u> 1 x Hardcopy Draft BAR Report 1 X CD <u>Water Use Licence Application:</u> 1x CD Draft WULA Technical Report for comment
Name of Intended Recipient:	Mr. Stanley Tshitwamulomoni
Organisation:	Department of Environmental Affairs: Biodiversity
Address:	Cnr Steve Biko & Soutpansberg Road, Pretoria
Contact Details:	012 399 9390
From:	Christian van der Hoven
Name of Recipient:	<i>SEK SETSHABE</i>
Signature of Recipient:	
Date Received:	

PostNet Name: **POSTNET-FORMULES WILLIGS**

Tel. No.: **0843245068** Acc. No.: **FNEP6**

CONSIGNEE COPY

PN001006249

From: (Sender)
 Company Name: **POSTNET**
 Street Address: **17 BARRIE STREET**

Suburb: **ROCKWELL**
 City/Town: **ROCKWELL**
 Code: **1720**

Contact: **CHRISTOPHER WILLIGS**
 Tel: **0843245068**
 E-mail: **christopher.willigs@postnet.co.za**

Insurance: Yes No If yes, state value: _____

Domestic: OVERTNIGHT COURIER (24-48 HRS) ECONOMY (48 HRS-72HRS) SAME DAY COURIER OTHER SPECIFY _____ DAWN COURIER SATURDAY PUBLIC HOLIDAY/AFTER HOURS

No. of Parcels	Description	Length in cm	Breadth in cm	Height in cm	Mass in kg
Total No. of Parcels Total Vol Total Mass					



ACCEPTED BY POSTNET

Name: _____
 Signature: _____
 Date: _____ Time: _____

Special Instructions: DOCUMENTS NON-DOCUMENTS

SPECIAL INSTRUCTIONS

EXPRESS PACK SECURITY NUMBER ON LIP OF FLYER

SENDER

Name: **CHRISTOPHER WILLIGS** Date: **07-10-2019**
 Signature: _____ Time: **12:00**

PROOF OF DELIVERY

Name: _____ Date: _____

Signature: _____ Time: _____

ID No.: _____

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CONSIGNEE COPY



PN001006237

PostNet Name: PostNet Fertileville Village
Tel. No.: 0843249068 Acc. No.: PW526

To: (Receiver)
(Company Name) Mmamelanga Heritage Reserve Park
Street Address 172nd Floor - Buildings, Govt Centre
Suburb Peaseville
City/Town Nelson Mandela
Code 1200
Contact (Christina)
Tel 011-784-1730
E-mail christina@hermal.co.za

From: (Sender)
(Company Name) Nema Consulting
Street Address 147 Brev. Fische Drive
Suburb Peaseville
City/Town Peaseville
Code 2194
Contact (Christina)
Tel
E-mail christina@nema.co.za

Insurance	Yes	No	If yes, state value
Domestic	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SPECIAL INSTRUCTIONS

International DOCUMENTS NON-DOCUMENTS

WE HAVE SEEN AND AGREE TO THE STANDARD CONDITIONS OF CARRIAGE (OVERLEAF) WHICH SHALL APPLY TO THIS CONSIGNMENT AND ALL FUTURE CONSIGNMENTS ACCEPTED BY POSTNET. WE FURTHER DECLARE THAT THIS CONSIGNMENT DOES NOT CONTAIN DANGEROUS GOODS.

EXPRESS PACK SECURITY NUMBER ON LIP OF FLYER

SENDER
Name: Christina Date: 07-10-2019
Signature: [Signature] Time: 12:05

PROOF OF DELIVERY
Name: [Signature] Date: 07/10/19
Signature: [Signature] Time:
ID No.: [Table]

No. of Parcels	Description	Length in cm	Breadth in cm	Height in cm	Mass in kg
Total No. of Parcels					Total Mass
Total Vol					

ACCEPTED BY POSTNET

Name _____
Signature _____
Date _____ Time _____

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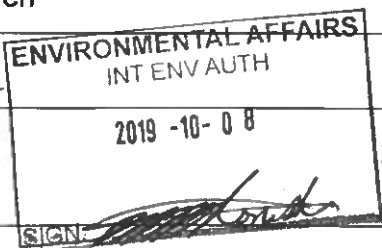



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Tel: 011 781 1730
 Fax: 011 781 1731
 Email: info@nemai.co.za
 www.nemai.co.za

Proof of Delivery

Nemai Project Number:	10682
Project Description:	Duvha Power Station Ash Dam, Raw and Ash Water Return Dams Seepage Interception Drains in Mpumalanga Province
Document Submitted:	<u>Basic Assessment Report:</u> 2 x Hardcopy Application Form (1 X Original & 1 X Copy) 1 x Hardcopy Draft BAR Report 1 X USB <u>Water Use Licence Application:</u> 1x Hardcopy Draft WULA Technical Report for comment
Name of Intended Recipient:	EIA Administration
Organisation:	Department of Environment, Forestry and Fisheries
Address:	Cnr Steve Biko & Soutpansberg Road, Pretoria
Contact Details:	012 399 9390
From:	Christian van der Hoven
Name of Recipient:	DESS SETSHABE 
Signature of Recipient:	
Date Received:	



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www.nemaico.za

Proof of Delivery

Nemai Project Number:	10682
Project Description:	Duvha Power Station Ash Dam, Raw and Ash Water Return Dams Seepage Interception Drains in Mpumalanga Province
Document Submitted:	<u>Basic Assessment Report:</u> 2 x Hardcopy Draft BAR Report; 2 x CD <u>Water Use Licence Application:</u> 2 x Hardcopy Draft WULA Technical Report
Name of Intended Recipient:	Ms. Sandile Felicity Maseko
Organisation:	Emalahleni Local Municipality: Environmental & Waste Management Dept.
Address:	Emalahleni Municipality Building, Corner of Arra Street and Mandela Street, Klipfontein, Emalahleni
Contact Details:	013 690 6724 / 013 690 6451
From:	Christian van der Hoven
Name of Recipient:	Tina Coetzee
Signature of Recipient:	
Date Received:	9 October 2019.



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Display table
photo 984

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Proof of Delivery

Nemai Project Number:	10682
Project Description:	Duvha Power Station Ash Dam, Raw and Ash Water Return Dams Seepage Interception Drains in Mpumalanga Province
Document Submitted:	<u>Basic Assessment Report:</u> 1 x Hardcopy Draft BAR Report <u>Water Use Licence Application:</u> 1 x Hardcopy Draft WULA Technical Report
Name of Intended Recipient:	Ms. Liandri Venter
Organisation:	Emalahleni Main Library
Address:	28 Hofmeyer St, Witbank, Emalahleni
Contact Details:	013 690 6231/6232/6229
From:	Christian van der Hoven
Name of Recipient:	NONTAKOZO
Signature of Recipient:	
Date Received:	09 OCTOBER 2019

09 OCT 2019



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Proof of Delivery

Nemai Project Number:	10682
Project Description:	Duvha Power Station Ash Dam, Raw and Ash Water Return Dams Seepage Interception Drains in Mpumalanga Province
Document Submitted:	<u>Basic Assessment Report:</u> 1 x Hardcopy Draft BAR Report 1 X CD <u>Water Use Licence Application:</u> 1x Hardcopy Draft WULA Technical Report
Name of Intended Recipient:	Mr. Vusi Mahlangu
Organisation:	Nkangala District Municipality: Environmental Dept.
Address:	Office Number XC93, Second Floor, 2A Walter Sisulu Street, Middelburg, Mpumalanga, 1050
Contact Details:	013 249 2164
From:	Christian van der Hoven
Name of Recipient:	Lerato Gamba
Signature of Recipient:	
Date Received:	9/10/2019.

Receiv



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 Email: info@nema.co.za
 www.nema.co.za

Proof of Delivery

Nemai Project Number:	10682	
Project Description:	Duvha Power Station Ash Dam, Raw and Ash Water Return Dams Seepage Interception Drains in Mpumalanga Province	
Document Submitted:	2 X Hardcopy Application Form for Environmental Authorisation (1 X Original & 1 X Copy) and 1 X USB	
Name of Intended Recipient:	EIA Administration	
Organisation:	Department of Environment, Forestry and Fisheries	
Address:	Cnr Steve Biko & Soutpansberg Road, Pretoria	
Contact Details:	012 399 9000	
From:	Christian van der Hoven	
Name of Recipient:	<i>DESS SETHABE</i>	ENVIRONMENTAL AFFAIRS INT ENV AUTH
Signature of Recipient:		2019 -11- 22
Date Received:	<i>22/11/19</i>	SIGN: <i>[Signature]</i>

Duvha Power Station Ash Dam, Raw and Ash Water Return Dams Seepage Interception Drains in Mpumalanga Province.

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Status: SUBMITTED

HeritageAuthority(s): SAHRA
MPHRA

Case Type: Section 38 (8) - Statutory Comment Required

Development Type: Electrical Infrastructure

ProposalDescription:

Eskom propose to install seepage interception drains in four areas in the Duvha Power Station, Mpumalanga Province (Figures 1 and 2). The Duvha Power Station is located in the Emalahleni Local Municipality and the Nkangala District Municipality. The seepage drains are located on the Remaining Extent of Farm Duvha Kragstasie 337 JS. The Ash Dam is located 1.7km east of the Witbank Dam.

Expanded_Motivation:

The Duvha Power Station produces wet ash that gets pumped into an Ash Dam. The settled water is then decanted to a Low Level Ash Water Return Dam (LLAWRD), before it is pumped back to the station for reuse. A groundwater study revealed that the Ash Dam is experiencing water seepage towards the Witbank Dam, leading to groundwater contamination and possible contamination of the Witbank Dam in future. Polluted seepage is also emanating from the LLAWRD and High Level Ash Water Return Dam (HLAWRD). A solution is required to prevent the groundwater seepage as Duvha Power Station's WUL states that "Any water containing waste or any substance which causes or is likely to cause pollution of a water resource must be prevented from entering any water resource, either by seepage or natural flow." The Department of Water and Sanitation (now the Department of Human Settlements, Water and Sanitation (DHSWS) thus instructed Eskom to mitigate and prevent groundwater pollution. The construction of subsol groundwater seepage interception drains at the Ash Dam, LLAWRD and HLAWRD, as well as a Raw Water Dam, is proposed to mitigate seepage from the Ash Dam and prevent contamination of the Witbank Dam. Seepage interception drains are deemed to be the only possible solution to prevent contamination of Witbank Dam. The advantage of the system is that the seepage water will be pumped and re-used by the power station, and thus polluting of the Witbank Dam will be avoided. In order to limit groundwater seepage from the existing Ash Dam, as well as the HLAWRD and LLAWRD, it is proposed to construct cut-off interceptor drains along sections of the perimeter of each of these dams and to convey the intercepted water to designated discharge points. The seepage interception drains will be constructed with manholes and perforated pipes. A float level switch to pump the water back to the dam will have to be installed and the process will continue as a cycle. This same system will be used for the LLAWRD and HLAWRD.

ApplicationDate: Friday, September 13, 2019 - 09:59

CaseID: 14324

Applicants: Nema Consulting
PGS Heritage (Pty) Ltd
Consultants/Experts: Jennifer Kitto
Wouter Fourie

OtherReferences:

Heritage Reports:

HIA for the Proposed Ash Dam Seepage Drains at Duvha Power Station, Emalahleni Municipality, Mpumalanga

PIA Desktop - Seepage Drains, Duvha Power Station, Emalahleni

ReferenceList:



Additional Documents

1. Background Information Document
2. Draft BAR
3. Appendix A
4. Appendix B
5. Appendix C
6. Appendix D
7. Appendix E
8. Appendix F
9. Appendix G
10. Appendix H

[Back to Top](#)



South African Heritage Resources Agency (SAHRA)
Head Office
111 Harrington Street
CAPE TOWN
8001

PO Box 4637
Cape Town, 8000
Tel 021 462 4502/Fax 021 462 4509
Email info@sahra.org.za
Web www.sahra.org.za



An agency of the Department of Arts & Culture

Appendix F5 – Correspondance



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Private Bag X 447· PRETORIA · 0001· Environment House · 473 Steve Biko Road, Arcadia · PRETORIA

DEA Reference: 14/12/163/3/1/2100

Enquiries: Rhulani Kubayi

Tel: 012 399 8883

Email: rkubayi@environment.gov.za

Jacqui Davis
Nemai Consulting
PO Box 1673
SUNNINGHILL
2157

Email: Tel: 011 781 1730

Jacquid@nemai.co.za

PER EMAIL / MAIL

Dear Sir/Madam

ACKNOWLEDGEMENT OF RECEIPT OF THE NEW APPLICATION FOR ENVIRONMENTAL AUTHORISATION (BASIC ASSESSMENT PROCESS) AND BASIC ASSESSMENT REPORT FOR THE PROPOSED DUVHA POWER STATION ASH DAM, RAW AND ASH WATER RETURN DAMS SEEPAGE INTERCEPTION DRAINS, IN MPUMALANGA PROVINCE

The Department confirms having received the Application for Environmental Authorisation and Draft Basic Assessment Report for the abovementioned project on 08 October 2019. You have submitted these documents to comply with the Environmental Impact Assessment (EIA) Regulations, 2014, as amended.

You submitted your application using an outdated form for environmental authorisation. With effect from the 04th of October 2019, all new application forms for environmental authorisation have to be accompanied by a screening tool report. Your application form is incomplete and cannot be accepted in the form it is in. As a rule, we normally call the EAP/Applicant and advise them their applications are incomplete. In this specific case, we attempted to communicate with the person on the cover letter (Samantha Gerber) but were unsuccessful. We therefore urge you to resubmit using your application using the correct form so we can allocate it to a Case Officer for review. Please note that the Case Officer will have 30 days within which to provide comment on your draft Basic Assessment Report following receipt of the corrected application that meets all the requirements (i.e. such as the screening tool report which ought to accompany all applications submitted after 04 October 2019). Please note that the period 15 December 2019 – 05 January 2020 is excluded from the EIA process (i.e. public participation, review of reports, etc.) so you are alerted to take account of this exclusion period in your application processes.

Please take note of Regulation 40(3) of the EIA Regulations, 2014, as amended, which states that potential Interested & Affected Parties, including the Competent Authority, may be provided with an opportunity to comment on reports and plans contemplated in Regulation 40(1) of the EIA Regulations, 2014, as amended, prior to the submission of an application but must be provided with an opportunity to comment on such reports once an application has been submitted to the Competent Authority.

Note that in terms of Regulation 45 of the EIA Regulations, 2014, as amended, this application will lapse if the applicant fails to meet any of the time-frames prescribed in terms of these Regulations, unless an extension has been granted by the Department in terms of Regulation 3(7) of the EIA Regulations, 2014, as amended.

You are hereby reminded of Section 24F of the National Environmental Management Act, Act No. 107 of 1998, as amended, that no activity may commence prior to an Environmental Authorisation being granted by the Department.

Kindly quote the abovementioned reference number in any future correspondence in respect of the application.

Yours sincerely



Mr Sabelo Malaza

Chief Director: Integrated Environmental Authorisations

Department of Environmental Affairs

Letter signed by: Mr Rhulani Kubayi

Designation: Environmental Control Officer: IEM Systems and Tools Coordination

Date: 11 November 2019

CC:	Deidre Herbst	Eskom Holdings	Email: Deidre.herbst@eskom.co.za
	Ms. P Ntuli	EMpumalanga Department of Agriculture, Rural Development, Land and Environmental Affairs	Email: PNNtuli@mpg.gov.za
	Mrs. SG Masek	Emalaheni Local Municipality	Email: vilakasisf@emalaheni.gov.za



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Private Bag X 447· PRETORIA · 0001· Environment House · 473 Steve Biko Road, Arcadia · PRETORIA

DEA Reference: 14/12/163/3/1/2100

Enquiries: Rhulani Kubayi

Tel: 012 399 8883

Email: rkubayi@environment.gov.za

Jacqui Davis
Nemai Consulting
PO Box 1673
SUNNINGHILL
2157

Tel: 011 781 1730

Email: Jacquid@nemai.co.za

PER EMAIL / MAIL

Dear Sir/Madam

ACKNOWLEDGEMENT OF RECEIPT OF THE NEW APPLICATION FOR ENVIRONMENTAL AUTHORISATION (BASIC ASSESSMENT PROCESS) AND BASIC ASSESSMENT REPORT FOR THE PROPOSED DUVHA POWER STATION ASH DAM, RAW AND ASH WATER RETURN DAMS SEEPAGE INTERCEPTION DRAINS, IN MPUMALANGA PROVINCE

The Department confirms having received the Application for Environmental Authorisation and a Draft Report for the abovementioned project on 14 November 2019. You have submitted these documents to comply with the Environmental Impact Assessment (EIA) Regulations, 2014, as amended.

Please take note of Regulation 40(3) of the EIA Regulations, 2014, as amended, which states that potential Interested & Affected Parties, including the Competent Authority, may be provided with an opportunity to comment on reports and plans contemplated in Regulation 40(1) of the EIA Regulations, 2014, as amended, prior to the submission of an application but must be provided an opportunity to comment on such reports once an application has been submitted to the Competent Authority.

All documentation delivered to the physical address contained in this form must be delivered during the official Departmental Office Hours which is visible on the Departmental gate. EIA related documents (includes application forms, reports or any EIA related submissions) that are faxed; emailed; delivered to Security or placed in the Departmental Tender Box will not be accepted.

Note that in terms of Regulation 45 of the EIA Regulations, 2014, as amended, this application will lapse if the applicant fails to meet any of the time-frames prescribed in terms of these Regulations, unless an extension has been granted by the Department in terms of Regulation 3(7) of the EIA Regulations, 2014, as amended.

You are hereby reminded of Section 24F of the National Environmental Management Act, Act No. 107 of 1998, as amended, that no activity may commence prior to an Environmental Authorisation being granted by the Department.

Kindly quote the abovementioned reference number in any future correspondence in respect of the application.

Yours sincerely



Mr Sabelo Malaza

Chief Director: Integrated Environmental Authorisations

Department of Environmental Affairs

Letter signed by: Mr Rhulani Kubayi

Designation: Environmental Control Officer: IEM Systems and Tools Coordination

Date: 26 November 2019

CC:	Deidre Herbst	Eskom Holdings	Email: Deidre.herbst@eskom.co.za
	Ms. P Ntuli	EMpumalanga Department of Agriculture, Rural Development, Land and Environmental Affairs	Email: PNNtuli@mpg.gov.za
	Mrs. SG Masek	Emalahleni Local Municipality	Email: vilakasisf@emalahleni.gov.za



MPUMALANGA

Private Bag x11259, MBOMBELA, 1200, Prorum Building, Cnr Brown and Paul Kruger, MBOMBELA, 1200, Tel : 013 759 7300.
Enquiries: Ms.TP Ndlhovu **Telephone:** 012-318-0554 **Reference:** 27/2/2/B11G/B39/02

Eskom Holdings SOC Ltd
PO Box 1673
SUNNINGHILL
2157

Attention: Mr Christian Van Der Hoven

BASIC ASSESSMENT (BA) REPORT FOR THE PROPOSED DUVHA POWER STATION ASH DAM, RAW AND ASH WATER RETURN DAMS SEEPAGE INTERCEPTION DRAINS ON THE REMAINING EXTENT OF THE FARM DUVHA KRAGSTASIE 337 JS, EMALAHLENI LOCAL MUNICIPALITY AND THE NKANGALA DISTRICT MUNICIPALITY, MPUMALANGA PROVINCE.

Reference is made to the above-mentioned document received on the 03rd October 2019. The Department has the following comments with regards to the proposed development:

1. Water Uses and Water Use Authorisations

1.1 It is indicated on page 35 of the BA report that the proposed developments occurs within a regulated area of a wetlands, the Ash Dam and the Low Level Ash Water Return Dam Seepage Interception drains traverse delineated Wetlands within Duvha Power Station, the High Level Ash Water Return Dam falls within 500m of the delineated Wetlands., therefore the applicant must note that any activity within the riparian habitat or the 1:100 year floodline, whichever is the greatest distance, requires a water use authorisation in terms of Section 21(c) and (i) i.e. ***“impeding or diverting the flow of water in a watercourse”*** and ***“altering the bed, banks, course or characteristics of a watercourse”*** respectively and must be authorised by this Department, under the provisions of the National Water Act, 1998 (Act No. 36 of 1998), hereinafter referred to as the NWA.

1.2 Your attention is drawn to Government Notice No. 509 dated 26 August 2016 in Government Gazette No. 40229 which states that a General Authorisation (GA) is not applicable to the following:

(a) to the use of water in terms of section 21(c) or (i) of the Act for the rehabilitation of a wetland/watercourse as contemplated in General Authorisation 1198 published in Government Gazette 32805 dated 18 December 2009,



- (b) to the use of water in terms of section 21(c) or (i) of the Act within the regulated area of a watercourse where the Risk Class is Medium or High as determined by the Risk Matrix. This Risk Matrix must be completed by a suitably qualified SACNASP professional member;**
- (c) in instances where an application must be made for a water use license for the authorisation of any other water use as defined in section 21 of the Act that may be associated with a new activity;**
- (d) Where storage of water results from the impeding or diverting of flow or altering the bed, banks, course or characteristics of a watercourse; and**
- (e) to any water use in terms of section 21(c) or (i) of the Act associated with construction, installation or maintenance of any sewerage pipelines, pipelines carrying hazardous materials and to raw water and wastewater treatment works.**

1.3 The river, stream and associated buffers must be treated as sensitive environment areas: caution must be exercised near the watercourses.

1.4 It is indicated on page 18 of the BA report that power station gets its water supply from the Komati Water Scheme (KWS) and from the Witbank Dam. The Applicant is therefore referred to Section 21(a) of the National Water Act, 1998 (Act No. 36 of 1998), "taking water from a water resource", is a water use activity that requires an authorisation by the Department, therefore the applicant must provide the Department with the quantity of water and a signed copy of service level agreement to demonstrate that provision will be made to render such service.

1.5 Please note that no person may use water unless permitted under the NWA. Should the applicant engage in any water use activity without the necessary water use authorisation, it will be regarded as an unlawful water use. The Applicant will thus be guilty of an offence and liable for a fine or imprisonment as stipulated in Section 151 of the NWA. A Pre-Water Use Authorisation Application meeting is recommended.

2. Solid Waste Management

2.1. The requirements of this Department with respect to solid waste must be strictly enforced and complied with.

2.2. The Applicant should note that contaminated soil or other hazardous material must be disposed of at a permitted hazardous landfill site that is authorized to accept the said material and proof of this must be made available to this Department when required.

2.3. Should private contractors be used, all solid waste must be disposed of at a permitted landfill site and proof of this must be made available to this Department when required.

2.4. The recycling of suitable material is encouraged by this Department, provided it is properly managed.

3. Sewage and Wastewater Management

- 3.1 It is indicated on the BA report page 44 that chemical portable toilets will be used on the site. The applicant must note that reasonable measures must be taken to prevent the potential pollution of the ground and surface water resources due to the proposed onsite sanitation facilities. The applicant shall ensure that no sanitary system is located within a horizontal distance of 100 meters from any watercourses unless authorised.
- 3.2 Washing, refuelling, maintaining of vehicles or the transfer of hazardous substances must be conducted within a bunded area. All drainage arising from the bunded area must be treated as a water containing waste and disposed of safely.
- 3.3 The Applicant must note that the use of any temporary, chemical toilet facilities must not cause any pollution to a water resource or pose a health hazard. In addition, these toilets must not be situated within 100m from a watercourse or within the 1:100 year floodline (whichever is the greatest). Furthermore, no form of secondary pollution should arise from the disposal of refuse or sewage from the temporary, chemical toilets. Any pollution problems arising from the above are to be addressed immediately by the Applicant.
- 3.4 The following is applicable should small volumes of wastewater be generated during the construction phase:
 - ❖ Water containing waste must not be discharged into the natural environment, and;
 - ❖ Measures to contain the water containing waste and safely dispose thereof must be implemented.

4. Storm-water Management

- 4.1 It is imperative that there is proper management of storm water at the project site. This Department requests a storm-water Management Plan.
- 4.2 The Engineer or Contractor must ensure that only clean storm-water runoff enters the environment.
- 4.3 Drainage must be controlled to ensure that runoff from the project area does not culminate in off-site pollution, flooding or result in any damage to properties downstream of any storm-water discharge point(s).

5. Erosion Control

- 5.1 Erosion control measures must be put in place to minimise erosion along the proposed construction areas. Extra precautions must be taken in areas where the soils are deemed highly erodible.
- 5.2 Soil erosion onsite must be prevented at all times, i.e. pre-, during- and post-construction activities. Erosion control measures must be implemented in areas prone to erosion such as near water supply points, edges of slopes, etc. These measures could include the use of sand bags, hessian sheets, bidim, retention or replacement of vegetation.

- 5.3 Where the land has been disturbed during construction it must be re-habilitated and re-vegetated back to an acceptable state after construction.
- 5.4 Stockpiling of soil or any other materials used during the construction phase must not be allowed on or near steep slopes, near a watercourse or water body. This is to prevent pollution or the impediment of surface run-off. The Applicant must control and establish suitable mitigation measures to prevent the erosion of stockpiles.

6. Spillages Management

- 6.1 There must be no unacceptable impact on the quality of both surface and groundwater in the area. If pollution of any surface or groundwater occurs, it must be immediately reported to this Department and the appropriate mitigation measures must be employed. In addition, should the proposed development impact on any groundwater and/or surface water users, then water of equal quality and quantity must be provided to the affected users.
- 6.2 Storage of material, chemicals, fuels etc. must not pose a risk to the surrounding environment, and this includes surface and groundwater. Temporary bunds must also be constructed around chemical or fuel storage areas to contain possible spillages. Such storage areas must be located outside the 1:100 year flood-line of the water source and must be fenced to prevent unauthorized access into the area.
- 6.3 It is important that any significant spillage of chemicals, fuels, etc. during the construction phase and/or operational phase is reported to this Office and other relevant authorities. In the event of a spill, the following steps can be taken:
- ❖ Stop the source of the spill;
 - ❖ Contain the spill;
 - ❖ All significant spills must be reported to this Department and other relevant authorities;
 - ❖ Remove the spilled product for treatment and authorised disposal;
 - ❖ Determine if there is any soil, groundwater or other environmental impact;
 - ❖ If necessary, remedial action must be taken in consultation with this Department; and
 - ❖ Incident must be documented.

7. General

- 7.1 No form of secondary pollution should arise from the disposal of sewage and refuse. The contractor must be clearly briefed on the method of disposal of such waste and compliance must be monitored. Any pollution problems arising from the above project is to be addressed immediately by the Applicant.
- 7.2 This Office reserves the right to inspect the site without prior notice in order to ensure that its requirements, as mentioned above, are adhered to. Should any problems be noted, measures must be undertaken immediately to rectify the situation.
- 7.3 This Department reserves the right to revise/withdraw these comments and request further information from the applicant should any other information that contradicts the above comes to light.

**BASIC ASSESSMENT (BA) REPORT FOR THE PROPOSED DUVHA POWER STATION
ASH DAM, RAW AND ASH WATER RETURN DAMS SEEPAGE INTERCEPTION DRAINS
ON THE REMAINING EXTENT OF THE FARM DUVHA KRAGSTASIE 337 JS,
EMALAHLENI LOCAL MUNICIPALITY AND THE NKANGALA DISTRICT MUNICIPALITY,
MPUMALANGA PROVINCE.**

7.4 Notwithstanding the above, the responsibility rests with the Applicant to identify all sources or potential sources of pollution from his undertaking and to take appropriate measures to prevent any pollution of the environment. Failure to comply with the requirements of the NWA could lead to legal action being instituted against the Applicant.

Should you have any queries, please do not hesitate to contact Miss Tshildzi Ndlhovu on email address: NdlhovuT@dws.gov.za.

Yours faithfully



PROVINCIAL HEAD: MPUMALANGA

DATE: 16/01/2020

Duvha Power Station Ash Dam, Raw and Ash Water Return Dams Seepage Interception Drains in Mpumalanga Province.

Our Ref: 14324



an agency of the
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Enquiries: Nokukhanya Khumalo

Tel: 021 462 4502

Email: nkhumalo@sahra.org.za

CaseID: 14324

Date: Thursday January 23, 2020

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Final Comment

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

Attention: Nema Consulting

PO Box 1673
Sunninghill
2157

Eskom propose to install seepage interception drains in four areas in the Duvha Power Station, Mpumalanga Province (Figures 1 and 2). The Duvha Power Station is located in the Emalahleni Local Municipality and the Nkangala District Municipality. The seepage drains are located on the Remaining Extent of Farm Duvha Kragstasie 337 JS. The Ash Dam is located 1.7km east of the Witbank Dam.

Eskom Holdings (SOC) Ltd are proposing to construct subsoil groundwater seepage interception drains and cut-off interceptor drains at their existing Ash Dam, Low Level Ash Water Return Dam, and High Level Ash Water Return Dam in order to prevent ground water pollution and potential pollution of the Witbank dam. The ash dams are located on the remainder of the farm Duvha Kragstasie 337 JS in the Mpumalanga Province.

Nema Consulting (Pty) Ltd have submitted a draft Basic Assessment report on behalf of the applicant, in support of an Environmental Authorisation in terms of the National Environmental Management Act, 1998 (NEMA), as amended. A Water Use License in terms of the National Water Act, No. 36 of 1998 (NWA), and section 22 of the Mineral and Petroleum Resources Development Act, 2002 (MPRDA) (As amended). In respect of listed activities in the NEMA 2014 EIA Regulations, as amended for an integrated EA application.

In order to meet the requirements of SAHRA for commenting in terms of section 38(8) of the National Heritage Resources Act, no. 25 of 1999 (NHRA), a Heritage Impact Assessment by PGS Heritage (Pty) Ltd has been submitted to SAHRA for commenting.

Fourie, W. May 2019. Heritage Impact Assessment for the Proposed Ash Dam Seepage Drains at Duvha Power Station, Emalahleni Municipality, Mpumalanga.

The author undertook a field survey of the proposed ash dam areas and did not identify any heritage resources. However, two sites were identified outside the study area, namely DUV 001 and 002. These sites are a demolished farmstead (DUV 001) and a cemetery with 11 graves (DUV 002) and they are of low and

Duvha Power Station Ash Dam, Raw and Ash Water Return Dams Seepage Interception Drains in Mpumalanga Province.

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Enquiries: Nokukhanya Khumalo

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CaseID: 14324

Date: Thursday January 23, 2020

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high significance respectively. The author recommends that the graves are fenced, and the fence should demarcate the 20 m buffer zone.

Butler, E. September 2019. Palaeontological Desktop Assessment of the Proposed Seepage Interception Drains at Duvha Power Station, Emalahleni Municipality, Mpumalanga Province.

The proposed seepage construction of the HLAWRD and two camp sites located in the south of the study area is underlain by the Vryheid Formation, Ecca Group, Karoo Supergroup. This formation is of very high palaeontological significance, with a high chance of *Glossopteris* flora fossils occurring in the shale rocks; however the this part of the development area is very small and previously disturbed. The proposed seepage construction of the LLAWRD and the northern camp site is underlain by the Selons River Formation of the Rooiberg Group, which is of very low palaeontological significance. The overall impact significance is low and the author recommends the Fossil Chance Finds Protocol, included under section 11 of the Palaeontological Desktop Assessment, must be included in the EMPr to be implemented by the ECO.

Final Comment

South African Heritage Resources Agency (SAHRA) Archaeology, Palaeontology and Meteorites (APM) Unit accepts the amended HIA and the PIA reports submitted to the case for commenting and has no objection to the development going ahead.

- The Chance Finds Fossil Procedure as detailed in the PIA must be included in the EMPr.
- In the event that fossils are uncovered during construction then construction must cease within the immediate vicinity, a buffer of 30 m must be established, and a palaeontologist called in to inspect the finds. The palaeontologist must obtain a section 35(4) permit in terms of NHRA and Chapter IV NHRA Regulations, before any fossils are collected.
- If there are any new heritages resources are discovered during construction and operation phases of the proposed development, then a professional archaeologist or palaeontologist, depending on the nature of the finds, must be contracted as soon as possible to inspect the findings at the expense of the developer.
- If the newly discovered heritage resources prove to be of archaeological or palaeontological significance, a Phase 2 rescue operation may be required at the expense of the developer. Mitigation will only be carried out after the archaeologist or palaeontologist obtains a permit in terms of section 35 of the NHRA (Act 25 of 1999). You may contact SAHRA APM Unit for further details: (Nokukhanya Khumalo/Phillip Hine 021 202 8654).

Duvha Power Station Ash Dam, Raw and Ash Water Return Dams Seepage Interception Drains in Mpumalanga Province.

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Date: Thursday January 23, 2020

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The Burial Grounds and Graves (BGG) Unit accepts the recommendations for the burial grounds identified in the HIA report. Before fencing may occur, permission from the family members must be sort.

- This must be done by undertaking a social consultation process to identify the family members of the site as is required in terms of Chapter IX of the NHRA Regulations and section 36(3) of the NHRA.
- The ECO must monitor all construction within 50 metres of the burial grounds. If any unmarked human burials are uncovered and the archaeologist called in to inspect the finds and/or the police find them to be heritage graves, then mitigation may be necessary and the SAHRA Burial Grounds and Graves (BGG) Unit must be contacted for processes to follow (Thingahangwi Tshivase/Mimi Seetelo 072 802 1251).

The Final Bar and its appendices must be submitted to the case and once a Record of Decision from the competent authority is issued, it must also be submitted to the case. This comment must be forwarded to the competent authority and proof of submission must be uploaded to the case.

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

Yours faithfully

Nokukhanya Khumalo
Heritage Officer
South African Heritage Resources Agency

Duvha Power Station Ash Dam, Raw and Ash Water Return Dams Seepage Interception Drains in Mpumalanga Province.

Our Ref: 14324



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

ADMIN:

Direct URL to case: <http://www.sahra.org.za/node/528403>

Terms & Conditions:

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

Christian Van Der Hoven

From: Christian Van Der Hoven
Sent: 20 January 2020 03:33 PM
To: Jay-Jay Mpelane
Cc: Jacqui Davis
Subject: 10628-Duvha Seepage Interception Drains-Summary of DEA Site Visit
Attachments: 10628-20200117-DEA Site Visit Presentation.pdf

Good Afternoon Jay-Jay

Thank you for the site meeting held on 17/01/2020 for the proposed Duvha Power Station Ash Dam, Raw and Ash Water Return Dams Seepage Interception Drains project, at the Duvha Power Station.

A summary of our discussion during the site meeting is provided below:

1. Jay-Jay enquired why a Socio-Economic Impact Assessment (SEIA) was not conducted as part of the Basic Assessment (BA) Process for the project. Christian responded that the DEA Screening Tool was used, and the DEA Screening Report included in the application. He further indicated that a summary of the specialist studies, and motivation as to why a SEIA was not conducted, was provided in Section 15 of the Draft Basic Assessment Report (BAR).
2. Christian asked when comments on the Draft BAR will be received from the Department of Environment, Forestry and Fisheries (DEFF). Jay-Jay indicated that comments from DEFF won't be provided for the Draft BAR, and that we may proceed with the submission of the Final BAR.
3. Jay-Jay requested a copy of the presentation. Please see attached.

Kindly confirm if the above is in order.

Kind regards,

Christian van der Hoven

Environmental Consultant

Tel: 011 781 1730

Fax: 011 781 1731

Email: christianvdh@nemai.co.za

Address: 147 Bram Fischer Drive, Ferndale

Website: www.nemai.co.za



Appendix F6 – Comments and Responses Report

DUVHA POWER STATION ASH DAM, RAW AND ASH WATER RETURN DAMS SEEPAGE INTERCEPTION DRAINS IN MPUMALANGA PROVINCE

COMMENTS AND RESPONSES REPORT

JANUARY 2020

FINAL

PREPARED FOR: ESKOM HOLDINGS SOC LTD



Environmental, Social and OHS Consultants

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1 PURPOSE OF THIS DOCUMENT

The Comments and Responses Report (CRR) summarises the statements, issues, concerns and queries raised by Interested and Affected Parties (IAPs), stakeholders and authorities through correspondence received (including completed Reply Forms and Comment Sheets, letters, faxes and emails) during the Public Participation Process for the Basic Assessment (BA) Process. This includes all the correspondences received during the 30-Day Review Period of the Draft Basic Assessment Report (BAR). This report captures all the significant issues and queries raised, and any statements that were made. This report also attempts to address every comment through responses and input provided by the project team.

2 PUBLIC PARTICIPATION

The purpose of the Public Participation Process for the Duvha Power Station seepage interception drains includes:

- Providing IAPs with an opportunity to obtain information about the project;
- Allowing IAPs to express their views, issues and concerns with regard to the project;
- Granting IAPs an opportunity to recommend measures to avoid or reduce adverse impacts and enhance positive impacts associated with the project; and
- Enabling the project team to incorporate the needs, concerns and recommendations of IAPs into the project, where feasible.

The Public Participation Process that was followed for the proposed project is governed by the National Environmental Management Act (Act No. 107 of 1998) (NEMA) and Government Notice (GN) No. R. 982 of the 2014 Environmental Impact Assessment (EIA) Regulations (as amended on 07 April 2017).

An IAP database was developed which included:

- Key Regulatory National, Provincial and Local Authorities;
- Organs of State that may have an interest in the project;
- The Ward Councillor of the area;
- Stakeholders that may not be directly affected by the project but may be interested in the development; and
- All Registered IAPs.

Nemai Consulting commenced with public notification during which adjacent landowners and land occupiers, key regulatory authorities, stakeholders and the public were informed of the proposed project.

A 30-Day Registration Period took place from 02 June 2017 to 30 June 2017. Commenting Authorities and IAPs were provided with a Background Information Document (BID) which contained a brief overview of the proposed development, an overview of the BA Process, details of the 30-Day Registration Period and how to register as an IAP. Site notices were strategically placed around the study area to notify the public of the proposed development and the 30-Day Registration Period. A newspaper advertisement was placed in the Herald, published on 02 June 2017 to notify the public of the proposed seepage interception drains and the 30-Day Registration Period.

The 30-Day Review Period for the Draft BAR commenced from 10 October 2019 and ended on 08 November 2019. Commenting Authorities and registered IAPs were notified of the 30-Day Review Period of the Draft BAR via Emails and SMS's. A newspaper advertisement was published in the Herald to notify the public of the 30-Day Review Period of the Draft BAR. Site notices were placed around the study area to notify the public of the proposed development and 30-Day Review Period of the Draft BAR. Hardcopies of the Draft BAR were delivered to Commenting Authorities for review and comment. In addition, a copy of the Draft BAR was placed at the Emalahleni Main Library, and reports were uploaded and available on the Nema Consulting and Eskom websites.

The Final BAR will be submitted to the Competent Authority, the Department of Environment, Forestry and Fisheries (DEFF). The Environmental Assessment Practitioner (EAP) will inform all registered IAPs of the decision on the Final BAR by DEFF, once received.

3 COMMENTS AND RESPONSES REPORT

The CRR has captured all comments received in writing and comments raised during the Public Participation Process for the BA Process. The project team have also provided a response to each comment which may provide clarity on a query or may provide a resolution to an issue/concern. The CRR for the Duvha Power Station seepage interception drains is divided into the following categories:

- Comments received during the Project Announcement Phase.
- Comments received during the 30-day Review Period of the Draft BAR

3.1 Comments received during the Project Announcement Phase

Comments received during the 30-Day Registration Period, which took place from **02 June 2017 to 30 June 2017**, are provided in the table below.

No	COMMENT / QUERY / ISSUE	RAISED BY	SOURCE	RESPONSE
1.	We would welcome the opportunity to have a look at the work/reports of the specialists should the whole exercise reach its completion. The site in question though doesn't appear to be an area of high biodiversity concern hence the visible infrastructural land developments and unidentified scattered patches of the trees. My interest is therefore on the indigenous protected trees and woodlands.	Zinzile Mtotywa (Department of Agriculture Forestry and Fisheries)	Reply Form 29/06/2017	<p>Acknowledged. The IAPs particulars were added to the IAP Database.</p> <p>An electronic copy (CD) of the BAR and WULA Technical Report was provided to the IAP for review.</p> <p>A Terrestrial Impact Assessment was conducted and is appended to the Draft BAR, in Appendix D1. Based on the findings provided in Section 9, during the field survey, no threatened species were observed on site but only one plant species of conservation concern was noted, namely <i>Hypoxis hemerocallidea</i> (Star flower/African potato). In addition, the study indicated that the proposed development sites occur within areas consisting of gum trees and grasslands. The grasses on the proposed sites include species such as <i>Cynodon dactylon</i> and <i>Eragrostis curvula</i>. The herb layer is dominated by species such as <i>Berkheya setifera</i>, <i>Conyza bonariensis</i> and <i>Verbena bonariensis</i>. The trees are mostly dominated by <i>Eucalyptus</i> sp. All of the species recorded on the proposed development sites area are listed in Table 6 of the Terrestrial Ecological Impact Assessment.</p>

3.2 Comments received during the 30-day Review Period of the Draft BAR

Comments received during the 30-day public review period of the Draft BAR, which commenced from **10 October 2019 to 08 November 2019**, and their respective responses, are provided in the table below.

No	COMMENT / QUERY / ISSUE	RAISED BY	SOURCE	RESPONSE
1.	<p>ACKNOWLEDGEMENT OF RECEIPT OF THE NEW APPLICATION FOR ENVIRONMENTAL AUTHORISATION (BASIC ASSESSMENT PROCESS) AND BASIC ASSESSMENT REPORT FOR THE PROPOSED DUVHA POWER STATION ASH DAM, RAWAKD ASH WATER RETURN DAMS SEEPAGE INTERCEPTIONDRAINS, IN MPUMALANGA PROVINCE</p> <p>The Department confirms having received the Application for Environmental Authorisation and Draft Basic Assessment Report for the abovementioned project on 08 October 2019. You have submitted these documents to comply with the Environmental Impact Assessment (EIA) Regulations, 2014, as amended.</p> <p>You submitted your application using an outdated form for environmental authorisation. With effect from the 04th of October 2019, all new application forms for environmental authorisation have to be accompanied by a screening tool report. Your application form is incomplete and cannot be accepted in the form it is in. As a rule, we normally call the EAP/Applicant and advise them their applications are incomplete. In this specific case, we attempted to communicate with the person on the cover letter (Samantha Gerber) but we were unsuccessful. We therefore urge you to resubmit using your application using the correct form so we can allocate it to a Case Officer for review. Please note that the Case Officer will have 30 days within which to provide comment on your draft Basic Assessment Report following receipt of the corrected application that meets all the requirements (i.e. such as the screening tool report which ought to accompany all applications submitted after 04 October 2019). Please note that the period 15 December 2019 - 05 January 2020 is excluded from the EIA process (i.e. public participation, review of sports, etc.) so you are alerted to take account of this exclusion period in your application processes.</p>	R. Kubayi (Department of Environment, Forestry and Fisheries) (DEFF)	Letter (11/11/2019)	<p>The Application Form for Environmental Authorisation was updated and the corrected form (04 October 2019) was submitted to DEFF on 22 November 2019.</p> <p>The review period, which initially commenced from 10 October 2019 to 08 November 2019, was subsequently extended to 15 January 2020 in order to allow the DEFF Case Officer to have 30 days within which to provide comment on the Draft Basic Assessment Report, following receipt of the corrected application form.</p> <p>Refer to proof of notification of the extension to authorities, general stakeholders, landowners and registered IAPs, is provided in Appendix F3 of the BAR.</p>

No	COMMENT / QUERY / ISSUE	RAISED BY	SOURCE	RESPONSE
	<p>Please take note of Regulation 40(3) of the EIA Regulations, 2014, as amended, which states that potential Interested & Affected Parties, including the Competent Authority, may be provided with an opportunity to comment on reports and plans contemplated in Regulation 40(1) of the EIA Regulations, 2014, as amended, prior to the submission of an application but must be provided with an opportunity to comment on such reports once an application has been submitted to the Competent Authority.</p> <p>Note that in terms of Regulation 45 of the EIA Regulations, 2014, as amended, this application will lapse if the applicant fails to meet any of the time-frames prescribed in terms of these Regulations, unless an extension has been granted by the Department in terms of Regulation 3(7) of the EIA Regulations, 2014, as amended.</p> <p>You are hereby reminded of Section 24F of the National Environmental Management Act, Act No. 107 of 1998, as amended, that no activity may commence prior to an Environmental Authorisation being granted by the Department.</p>			
2.	<p>ACKNOWLEDGEMENT OF RECEIPT OF THE NEW APPLICATION FOR ENVIRONMENTAL AUTHORISATION (BASIC ASSESSMENT PROCESS) AND BASIC ASSESSMENT REPORT FOR THE PROPOSED DUVHA POWER STATION ASH DAM, RAW AND ASH WATER RETURN DAMS SEEPAGE INTERCEPTION DRAINS, IN MPUMALANGA PROVINCE</p> <p>The Department confirms having received the Application for Environmental Authorisation and a Draft Report for the abovementioned project on 14 November 2019. You have submitted these documents to comply with the Environmental Impact Assessment (EIA) Regulations, 2014, as amended.</p> <p>Please take note of Regulation 40(3) of the EIA Regulations, 2014, as amended, which states that potential Interested & Affected Parties, including the Competent Authority, may be provided with an opportunity to comment on reports and plans contemplated in Regulation 40(1) of the EIA Regulations, 2014, as amended, prior to the submission of an application but must be provided an opportunity to comment on such</p>	R. Kubayi (Department of Environment, Forestry and Fisheries)	Letter (26/11/2019)	Acknowledgement received.

No	COMMENT / QUERY / ISSUE	RAISED BY	SOURCE	RESPONSE
	<p>reports once an application has been submitted to the Competent Authority.</p> <p>All documentation delivered to the physical address contained in this form must be delivered during official Department Office Hours which is visible on the Departmental gate. EIA related documents (includes application forms, reports or any EIA related submissions) that are faxed; emailed; delivered to Security or placed in the Departmental Tender Box will not be accepted.</p> <p>Note that in terms of Regulation 45 of the EIA Regulations, 2014, as amended, this application will lapse if the applicant fails to meet any of the time-frames prescribed in terms of these Regulations, unless an extension has been granted by the Department in terms of Regulation 3(7) of the EIA Regulations, 2014, as amended.</p> <p>You are hereby reminded of Section 24F of the National Environmental Management Act, Act No. 107 of 1998, as amended, that no activity may commence prior to an Environmental Authorisation being granted by the Department.</p>			
3.	<p>BASIC ASSESSMENT (BA) REPORT FOR THE PROPOSED DUVHA POWER STATION ASH DAM, RAW AND ASH WATER RETURN DAMS SEEPAGE INTERCEPTION DRAINS ON THE REMAINING EXTENT OF THE FARM DUVHA KRAGSTASIE 337 JS, EMALAHLENIN LOCAL MUNICIPALITY AND THE NKANGALA DISTRICT MUNICIPALITY, MPUMALANGA PROVINCE.</p> <p>Reference is made to the above-mentioned document received on the 03rd October 2019. The Department has the following comments with regards to the proposed development:</p> <p>1. Water Uses and Water Use Authorisations</p> <p>1.1. It is indicated in page 35 of the BA report that the proposed developments occurs within a regulated area of a wetlands, the Ash Dam and the Lower Level Ash Water Return Dam Seepage Interception drains traverse delineated wetlands within Duvha Power Station, the High Level Ash Water Return Dam falls within 500m of the delineated wetlands, therefore the applicant must note</p>	<p>T. Ndlhovu (Department of Water and Sanitation (DWS): Mpumalanga Provincial Offices)</p>	<p>Letter (14/01/2020)</p>	<p>1.1. A Water Use License Application (WULA) in terms of Section 21(c) and (i) has been applied for and will be submitted on the online Electronic Water Use Licence Application and Authorisation System (EWULAAS).</p> <p>1.2. Refer to the Riparian Habitat and Wetland Delineation Impact Assessment (Appendix D2 of the BAR). Based on the results of the DWS Risk Matrix, A WULA is required.</p> <p>1.3. All delineated watercourses in the study area are provided in the Sensitivity Map (Figure 28) in the BAR.</p> <p>1.4. This report specifically deals with the proposed construction of the Duvha Power Station Ash Dam, Raw and Ash Water Return Dams Seepage Interception Drains. No water is to be extracted from groundwater, river, stream, dam, lake or any other natural feature for the construction of the proposed infrastructure. Municipal water will be</p>

No	COMMENT / QUERY / ISSUE	RAISED BY	SOURCE	RESPONSE
	<p>that any activity within the riparian habitat or the 1:100 year floodline, whichever is the greatest distance, requires a water use authorisation in terms of Section 21(c) and (i) i.e. "Impeding or diverting the flow of water in a watercourse" and "altering the bed, banks, course or characteristics of a watercourse" respectively and must be authorised by this Department, under the provisions of the National Water Act, 1998 (Act No. 36 of 1998), hereinafter referred to as the NWA.</p> <p>1.2. Your attention is drawn to the Government Notice No. 509 dated 26 August 2016 in Government Gazette No. 40229 which states that a General Authorisation (GA) is not applicable to the following:</p> <p>(a) To the use of water in terms of section 21(c) or (i) of the Act for the rehabilitation of a wetland/watercourse as contemplated in General Authorisation 1198 published in Government Gazette 32805 dated 18 December 2009;</p> <p>(b) To the use of water in terms of section 21(c) or (i) of the Act within the regulated area of a watercourse where the Risk Class is Medium or High as determined by the Risk Matrix. This Risk Matrix must be completed by a suitably qualified SACNASP professional member;</p> <p>(c) In instances where an application must be made for a water use license for the authorisation of any other water use as defined in section 21 of the Act that may be associated with a new activity;</p> <p>(d) Where storage of water results from the impeding or diverting of flow or altering the bed, banks, course or characteristics of a watercourse; and</p> <p>(e) To any water use in terms of section 21(c) and (i) of the Act associated with construction, installation or maintenance of any sewerage pipelines, pipelines carrying hazardous materials and to raw water and wastewater treatment works.</p> <p>1.3. The river, stream and associated buffers must be treated as sensitive environment areas: caution must be exercised near the watercourses.</p> <p>1.4. It is indicated on page 18 of the BA report that the power station gets its water supply from the Komati Water Scheme (KWS) and from the Witbank Dam. The Applicant is therefore referred to Section 21(a) of the National Water Act, 1998 (Act No. 36 of 1998), "taking water from a water resource", is a water use activity that</p>			<p>used during construction phase where required, as the Duvha Power Station has existing water services available.</p> <p>1.5. Refer to response provided for point 1.1 above.</p> <p>2. As indicated in Section 12 of the BAR, All construction waste will be collected, sorted and disposed of at suitably licensed disposal facilities. Measures on the management of waste on site is provided in Section 11.3.11 <i>Management of Waste</i> in the Environmental Management Programme (EMPr) (Appendix H of the BAR). These measures provided by DWS were incorporated in Section 11.3.4 <i>Management of Ablution Facilities</i> in the EMPr (Appendix H of the BAR). Specific measures for the management of wastewater on site is provided in the EMPr (Appendix H of the BAR) in Section 11.3.21 <i>Management of Water on Site</i>.</p> <p>4. The Stormwater Management Plan is appended to the BAR. Refer to Appendix I1. Measures for the management of stormwater on site is provided in Section 11.3.21 <i>Management of Water on Site</i> of the EMPr (Appendix H of the BAR). The recommendations for stormwater management provided by DWS were also incorporated in to Section 11.3.21 of the EMPr.</p> <p>5. Erosion control measures are provided in the EMPr, refer to the following sections:</p> <ul style="list-style-type: none"> • Section 11.3.14 <i>Management of Pollution Generation Potential</i>; • Section 11.3.15 <i>Management of Topsoil</i>; • Section 11.3.18 <i>Management of Flora</i> • Section 11.3.21 <i>Management of Water on Site</i>; • Section 11.3.22 <i>Management of Watercourses</i>; and • Section 11.3.23 <i>Management of Rehabilitation</i>.

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	<p>requires an authorisation by the Department, therefore the applicant must provide the Department with the quantity of water and a signed copy of service level agreement to demonstrate that provision will be made to render such service.</p> <p>1.5. Please note that no person may use water unless permitted under the NWA. Should the applicant engage in any water use activity without the necessary water use authorisation, it will be regarded as an unlawful water use. The Applicant will thus be guilty of an offence and liable for a fine or imprisonment as stipulated in Section 151 of the NWA. A Pre-water use authorisation application meeting is recommended.</p> <p>2. Solid Waste Management</p> <p>2.1. The requirements of this Department with respect to solid waste must be strictly enforced and complied with.</p> <p>2.2. The applicant should note that contaminated soil or other hazardous material must be disposed of at a permitted hazardous landfill site that is authorised to accept the said material and proof of this must be made available to this Department when required.</p> <p>2.3. Should private containers be used, all solid waste must be disposed of at a permitted landfill site and proof of this must be made available to this Department when required.</p> <p>2.4. The recycling of suitable is encouraged by this Department, provided it is properly managed.</p> <p>3. Sewage and Wastewater Management</p> <p>3.1. It is indicated on the BA report page 44 that chemical portable toilets will be used on the site. The applicant must note that reasonable measures must be taken to prevent potential pollution of the ground and surface water resources due to the proposed on site sanitation facilities. The applicant shall ensure that no sanitary system is located within a horizontal distance of 100 meters from any watercourses unless authorised.</p> <p>3.2. Washing, refueling, maintaining of vehicles or the transfer of hazardous substances must be conducted within a bunded area. All drainage arising from the bunded area must be treated as a water containing waste and disposed of safely.</p>			<p>6. Specific measures for the management of accidental leaks and spillages is provided in the EMPr (Appendix H of the BAR), Section 11.3.9 <i>Management of Emergency Procedures</i>. Additional measures provided by DWS were also incorporated into this section of the EMPr.</p> <p>7. Refer to Section 11.3.14 Management of Pollution Generation Potential of the EMPr (Appendix H of the BAR) for specific measures to ensure that all possible causes of pollution are mitigated as far as possible to minimise impacts to the surrounding environment.</p>

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	<p>3.3. The Applicant must note that the use of any temporary, chemical toilet facilities must not cause any pollution to a water resource or pose a health hazard. In addition, these toilets must not be situated within 100m from a watercourse or within the 1:100 year floodline (whichever is the greatest). Furthermore, no form of secondary pollution should arise from the disposal of refuse or sewage from the temporary, chemical toilets. Any pollution problems arising from the above are to be addressed immediately by the Applicant.</p> <p>3.4. The following is applicable should small volumes of wastewater be generated during the construction phase:</p> <ul style="list-style-type: none"> ❖ Water containing waste must not be discharged into the natural environment, and; ❖ Measures to contain the water containing waste and safely dispose thereof must be implemented. <p>4. Storm-water Management</p> <p>4.1. It is imperative that there is proper management of storm water at the project site. This Department requests a storm-water Management Plan.</p> <p>4.2. The Engineer or Contractor must ensure that only clean storm-water runoff enters the environment.</p> <p>4.3. Drainage must be controlled to ensure that runoff from the project areas does not culminate in off-site pollution, flooding or result in any damage to properties downstream of any storm-water discharge point(s).</p> <p>5. Erosion Control</p> <p>5.1. Erosion control measures must be put in place to minimise erosion along the proposed construction areas. Extra precautions must be taken in areas where the soils are deemed highly erodible.</p> <p>5.2. Soil erosion onsite must be prevented at all times, i.e. pre-, during- and post-construction activities. Erosion control measures must be implemented in areas prone to erosion such as near water supply points, edges of slopes, etc. These measures could include the use of sand bags, hessian sheets, bidim, retention or replacement of vegetation.</p> <p>5.3. Where the land has been disturbed during construction it must be re-habilitated and re-vegetated back to an acceptable state after construction.</p>			

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	<p>5.4. Stockpiling of soil or any other materials used during the construction phase must not be allowed on or near steep slopes, near a watercourse or water body. This is to prevent pollution or the impediment of surface run-off. The applicant must control and establish suitable mitigation measures to prevent the erosion of stockpiles.</p> <p>6. Spillages Management</p> <p>6.1. There must be no unacceptable impact on the quality of both surface and groundwater in the area. If pollution of any surface or groundwater occurs, it must be immediately reported to this Department and the appropriate mitigation measures must be employed. In addition, should the proposed development impact on any groundwater and/or surface water users, then water of equal quality and quantity must be provided to the affected users.</p> <p>6.2. Storage of material, chemical, fuels, etc. must not pose a risk to the surrounding environment, and this includes surface and groundwater. Temporary bunds must also be constructed around chemical or fuel storage areas to contain possible spillages. Such storage areas must be located outside the 1:100 year flood-line of the water source and must be fenced to prevent unauthorized access into the area.</p> <p>6.3. It is important that any significant spillage of chemicals, fuels, etc. during the construction phase and/or operational phase is reported to this Office and other relevant authorities. In the event of a spill, the following steps can be taken:</p> <ul style="list-style-type: none"> ❖ Stop the source of the spill; ❖ Contain the spill; ❖ All significant spills must be reported to this Department and other relevant authorities; ❖ Remove the spilled product for treatment and authorised disposal; ❖ Determine if there is any soil, groundwater and other environmental impact; ❖ If necessary, remedial action must be taken in consultation with this Department; and ❖ Incident must be documented. 			

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	<p>7. General</p> <p>7.1. No form of secondary pollution should arise from the disposal of sewage and refuse. The contractor must be clearly briefed on the method of disposal of such waste and compliance must be monitored. Any pollution problems arising from the above project is to be addressed immediately by the Applicant.</p> <p>7.2. This office reserves the right to inspect the site without prior notice in order to ensure that its requirements, as mentioned above, are adhered to. Should any problems be noted, measures must be undertaken immediately to rectify the situation.</p> <p>7.3. This Department reserves the right to revise/withdraw these comments and request further information from the applicant should any other information that contradicts the above comes to light.</p> <p>7.4. Notwithstanding the above, the responsibility rests with the Applicant to identify all sources or potential sources of pollution from his undertaking and to take appropriate measures to prevent any pollution of the environment. Failure to comply with the requirements of the NWA could lead to legal action being instituted against the Applicant.</p>			
4.	<p>Final Comment</p> <p>South African Heritage Resources Agency (SAHRA) Archaeology, Palaeontology and Meteorites (APM) Unit accepts the amended HIA and the PIA reports submitted to the case for commenting and has no objection to the development going ahead.</p> <ul style="list-style-type: none"> The Chance Finds Fossil Procedure as detailed in the PIA must be included in the EMPr. In the event that fossils are uncovered during construction then construction must cease within the immediate vicinity, a buffer of 30 m must be established, and a palaeontologist called in to inspect the finds. The palaeontologist must obtain a section 35(4) permit in terms of NHRA and Chapter IV NHRA Regulations, before any fossils are collected. If there are any new heritages resources are discovered during construction and operation phases of the proposed development, then a professional archaeologist or palaeontologist, depending on 	Nokukhanya Khumalo (SAHRA)	Letter (23/01/2020)	<p>A chance finds protocol is included in Section 14 of the EMPr (Appendix H of the BAR).</p> <p>All recommendations and measures provided by SAHRA were incorporated into Section 11.3.20 <i>Management of Archaeological and Cultural Features and Palaeontological Sensitivity</i> in the EMPr (Appendix H of the BAR).</p> <p>The Final BAR and appendices will be uploaded to the case on SAHRIS.</p> <p>Should Environmental Authorisation be granted, the decision will be submitted to the case on SAHRIS.</p> <p>The comments provided by SAHRA were incorporated into Appendix F5 of the BAR, and the Final BAR will be</p>

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	<p>the nature of the finds, must be contracted as soon as possible to inspect the findings at the expense of the developer.</p> <ul style="list-style-type: none"> If the newly discovered heritage resources prove to be of archaeological or palaeontological significance, a Phase 2 rescue operation may be required at the expense of the developer. Mitigation will only be carried out after the archaeologist or palaeontologist obtains a permit in terms of section 35 of the NHRA (Act 25 of 1999). You may contact SAHRA APM Unit for further details: (Nokukhanya Khumalo/Phillip Hine 021 202 8654). <p>The Burial Grounds and Graves (BGG) Unit accepts the recommendations for the burial grounds identified in the HIA report. Before fencing may occur, permission from the family members must be sort.</p> <ul style="list-style-type: none"> This must be done by undertaking a social consultation process to identify the family members of the site as is required in terms of Chapter IX of the NHRA Regulations and section 36(3) of the NHRA. The ECO must monitor all construction within 50 metres of the burial grounds. If any unmarked human burials are uncovered and the archaeologist called in to inspect the finds and/or the police find them to be heritage graves, then mitigation may be necessary and the SAHRA Burial Grounds and Graves (BGG) Unit must be contacted for processes to follow (Thingahangwi Tshivase/Mimi Seetelo 072 802 1251). <p>The Final Bar and its appendices must be submitted to the case and once a Record of Decision from the competent authority is issued, it must also be submitted to the case. This comment must be forwarded to the competent authority and proof of submission must be uploaded to the case.</p>			<p>submitted to DEFF. Proof of submission will be uploaded to the case on SAHRIS.</p>

Appendix F7 – IAP Database

Authority Database

Organisation	Name	Position	Address	Tel	Fax	Email Address
Department of Environment, Forestry and Fisheries (DEFF)	Rhulani Kubayi	Case Officer	Environment House 473 Steve Biko Road Arcadia	012 399 8883	None	rkubayi@environment.gov.za
	Jay-Jay Mpelane	Case Officer		012 399 9404	None	JMpelane@environment.gov.za
DEFF: Biodiversity	Stanley Tshitwamulomoni	Biodiversity Conservation		012 399 9587	None	StanleyT@environment.gov.za
Department of Water and Sanitation (DWS): Mpumalanga Regional Offices	Mr Masala Mulaudzi	Chief Director Mpumalanga	Cnr Brown and Paul Kruger Street, Prorum Building, Nelspruit, 1200	013 759 7310/013 759 7300 / 082 327 5886	013 759 7525	mulaudzim@dwa.gov.za/ ralekoaw@dwa.gov.za
Nkangala District Municipality	M.M Skosana	Municipal Manager	2A Walter Sisulu Street, Middelburg, Mpumalanga, 1050	013 2492 006	013 2492 050	nkosinm@nkangaladm.org.za
Nkangala District Municipality	Lerato Gambu	Environmental Department	2A Walter Sisulu Street, Middelburg, Mpumalanga, 1050	013 249 2165	None	gambulc@nkangaladm.gov.za
Nkangala District Municipality	Vusi Mhlangu	Environmental Department	2A Walter Sisulu Street, Middelburg, Mpumalanga, 1050	013 249 2164	None	mahlanguvum@nkangaladm.gov.za
Emalahleni Local Municipality	Mr H.S Mayisela	Municipal Manager	Emalahleni Municipality Building, corner of Arra Street and Mandela Street, Klipfontein, Emalahleni, 1035	047 878 2004/079 490 0006	047 878 0112	officeofmm@emalahleni.gov.za
Emalahleni Local Municipality	Sandile Felicity Maseko	Executive Director: Environmental & Waste Management	Emalahleni Municipality Building, corner of Arra Street and Mandela Street, Klipfontein, Emalahleni, 1035	013 690 6724/ 013 690 6451 (Secretary)	None	vilakazisf@emalahleni.gov.za; environmental@emalahleni.gov.za; officeofthemm@emalahleni.gov.za
	E J Nkabinde	Manager: Environmental & Waste Management	Emalahleni Municipality Building, corner of Arra Street and Mandela Street, Klipfontein, Emalahleni, 1036	013 690 6350/072 5964904	None	nkabindeej@emalahleni.gov.za
Ward Councillor	Themba P. Gulube	Ward Councillor, Ward 19	None (no office)	060 376 8021	None	tpgulube900@gmail.com
Department of Agriculture, Forestry and Fisheries (DAFF): Mpumalanga Office	Andrew Tshivhase	Director: Mpumalanga	103 Corner Landros and Munnik, Magistrates Building, Makhado, Private Bag 2413, Makhado, 0920	015 519 3300	015 516 1062	AndrewT@daff.gov.za
DAFF: Mpumalanga Office	Zinzile Mtotywa	Directorate: Forestry Management: Mpumalanga - Limpopo	3rd Floor, Permanent Building, 27 Brown Street, Nelspruit	013 754 0761/58	0866287137	zinzilem@daff.gov.za; SiyabulelaK@daff.gov.za
Mpumalanga Department of Agriculture, Rural Development, Land and Environmental Affairs (DARDLEA)	Pamela Ntuli	Chief Director: Environmental Sevices	Samora Machel Building, No. 7 Government Boulevard, Riverside Park, Mbombela, 1200	013 766 6020	None	PruNkosi@mpg.gov.za; PNNtuli@mpg.gov.za; mhbaboko@mpg.gov.za; NkosiTP@mpg.gov.za

Mpumalanga Provincial Heritage Resource Authority (MPHRA)	Benjamin Moduka	Heritage Officer	1st and 2nd floor, Building 5, Government complex, 7 Government Boulevard, Riverside Park, Nelspruit, 1200	0137665198	None	bmoduka@mpg.gov.za
South African Heritage Resources Agency (SAHRA)	Nokukhanya Khumalo	Heritage Officer	111 Harington Street, Cape Town, 8001	None	None	nkhumalo@sahra.org.za

General I&APs

Organisation	Name	Position	Address	Tel	Fax	Email Address
DUVHA PRIMARY SCHOOL	B.H NKOSI		DUVHA POWER STATION, IKAGENG, WITBANK, 1035	0136919606; 0823426602	0136919606	
ALLEDALE SECONDARY SCHOOL			LESEDI VILLAGE, VANDYKSDRIFT ROAD, MPUMALANGA	0136844157	0136844006	ALLEDALE@MWEB.CO.ZA
COROBRIK	CHANDRE ADAMS	BRANCH MANAGER	DUVHA POWER STATION ROAD, DUVHA, NAAUWPOORT	0136919705		WITBANK@COROBRIK.CO.ZA
BONGIDUVHA PRIMARY SCHOOL			LESEDI VILLAGE, MIDDLEBURG MINE SERVICES, MPUMALANGA	0136844073	0136844130	BONGIDUVHA@LANTIC.NET
EMalahleni Main Library	Liandri Venter		28 Hofmeyer St, Witbank, Emalahleni	013 690 6231/6232/6229		venterl@emalahleni.gov.za

Direct and Adjacent Landowners

Direct / Adjacent	21 Digit Code	Farm Name	Farm Portion	Name	Organisation	Address	Tel / Cell	Email
Direct	TOJS00000000033700000	DUVHA KRAGSTASIE 337	RE/377		ESKOM			Mandla.mthembu@eskom.co.za
Adjacent	TOJS00000000033600002	SPEEKFONTEIN 336	2/336		ESKOM			Mandla.mthembu@eskom.co.za
Adjacent	TOJS00000000031800003	RHENOSTERFONTEIN 318	3/318		F G A Trust			
Adjacent	TOJS00000000031800011	RHENOSTERFONTEIN 318	11/318	Catharina Helena van der Wal	Nelfin Familie Trust	22 DE KLERK STREET, SANNIESHOF, 2760	0732643987 / 0832910088	
Adjacent	TOJS00000000033700001	DUVHA KRAGSTASIE 337	1/337		Nelfin Familie Trust	22 DE KLERK STREET, SANNIESHOF, 2760		
Adjacent	TOJS00000000033800008	DRIEFONTEIN 338	8/338	ESKOM				Mandla.mthembu@eskom.co.za
Adjacent	TOJS00000000033700016	DUVHA KRAGSTASIE 337	16/337			No Info		
Adjacent	TOJS00000000033800001	DRIEFONTEIN 338	1/338	Pampoen Mlangeni	Ingwe Surface Holdings	6 Hollard Street, Johannesburg, 2001		
Adjacent	TOJS00000000033700002	DUVHA KRAGSTASIE 337	2/337		NAAUWPOORT INDUSTRIAL & MINING SALVAGE INDUSTRIES CC		013 691 2123	admin@nimsi.co.za
Adjacent	TOJS00000000033600030	SPEEKFONTEIN 336	30/336		ESKOM			Mandla.mthembu@eskom.co.za
Adjacent	TOJS00000000033600029	SPEEKFONTEIN 336	29/336		ESKOM			Mandla.mthembu@eskom.co.za
Adjacent	TOJS00000000033600013	SPEEKFONTEIN 336	13/336		Ingwe Colliers Ltd	15 Waterkloof Rd, Crystal Park, 1501	011 969 3452/ 084 454 1726	info@ingweminerals.co.za
Adjacent	TOJS00000000033600012	SPEEKFONTEIN 336	RE/12/336		Ingwe Colliers Ltd	15 Waterkloof Rd, Crystal Park, 1501	011 969 3452/ 084 454 1726	info@ingweminerals.co.za
Adjacent	TOJS00000000033600007	SPEEKFONTEIN 336	7/336		Ingwe Colliers Ltd	15 Waterkloof Rd, Crystal Park, 1501	011 969 3452/ 084 454 1726	info@ingweminerals.co.za
Adjacent	TOJS00000000033600004	SPEEKFONTEIN 336	4/336		Eyethu Coal Pty Ltd	90 Rivonia North Wing, Ground Floor, 90 Rivonia Road, Sandton, Gauteng 2196	013 656 1545	
Adjacent	TOJS00000000033700003	DUVHA KRAGSTASIE 337	3/337		Lexshell 740 Inv Pty Ltd			
Adjacent	TOJS00000000033500013	NAAUWPOORT 335	13/335		Hurn Klopper CC			
Adjacent	TOJS00000000033500014	NAAUWPOORT 335	14/335		FGA Trust			