

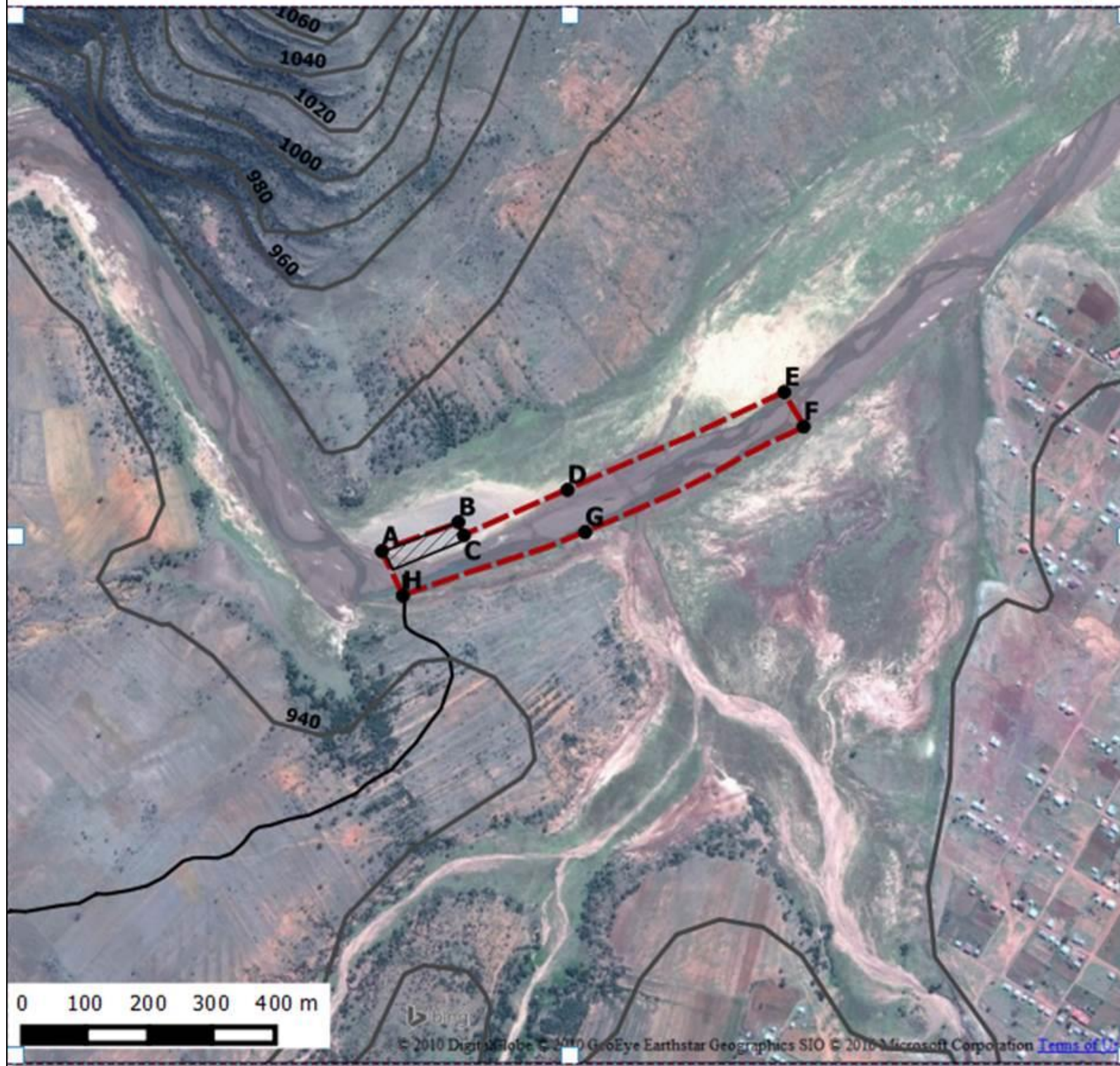
APPENDIX 1 MAPS

1.1 Location maps



1.2 Regulation 2.2 Map and Rehabilitation Plan

HJT Transport CC. Plan compiled in accordance with Regulation 2(2) of the Regulations as published under the Mineral and Petroleum Resources Development Act, 2002 (Act 28 of 2002).



Coordinates

- A: 31°50'10.25"S, 27° 5'1.41"E
- B: 31°50'8.77"S, 27° 5'6.02"E
- C: 31°50'9.45"S, 27° 5'6.36"E
- D: 31°50'7.12"S, 27° 5'12.60"E
- E: 31°50'2.11"S, 27° 5'25.67"E
- F: 31°50'3.88"S, 27° 5'26.84"E
- G: 31°50'9.28"S, 27° 5'13.67"E
- H: 31°50'12.53"S, 27° 5'2.68"E

Legend

- 20 m contours
- Access road
- ▨ Temporary stockpile area
- ▭ Mining site border

Applicant

Date

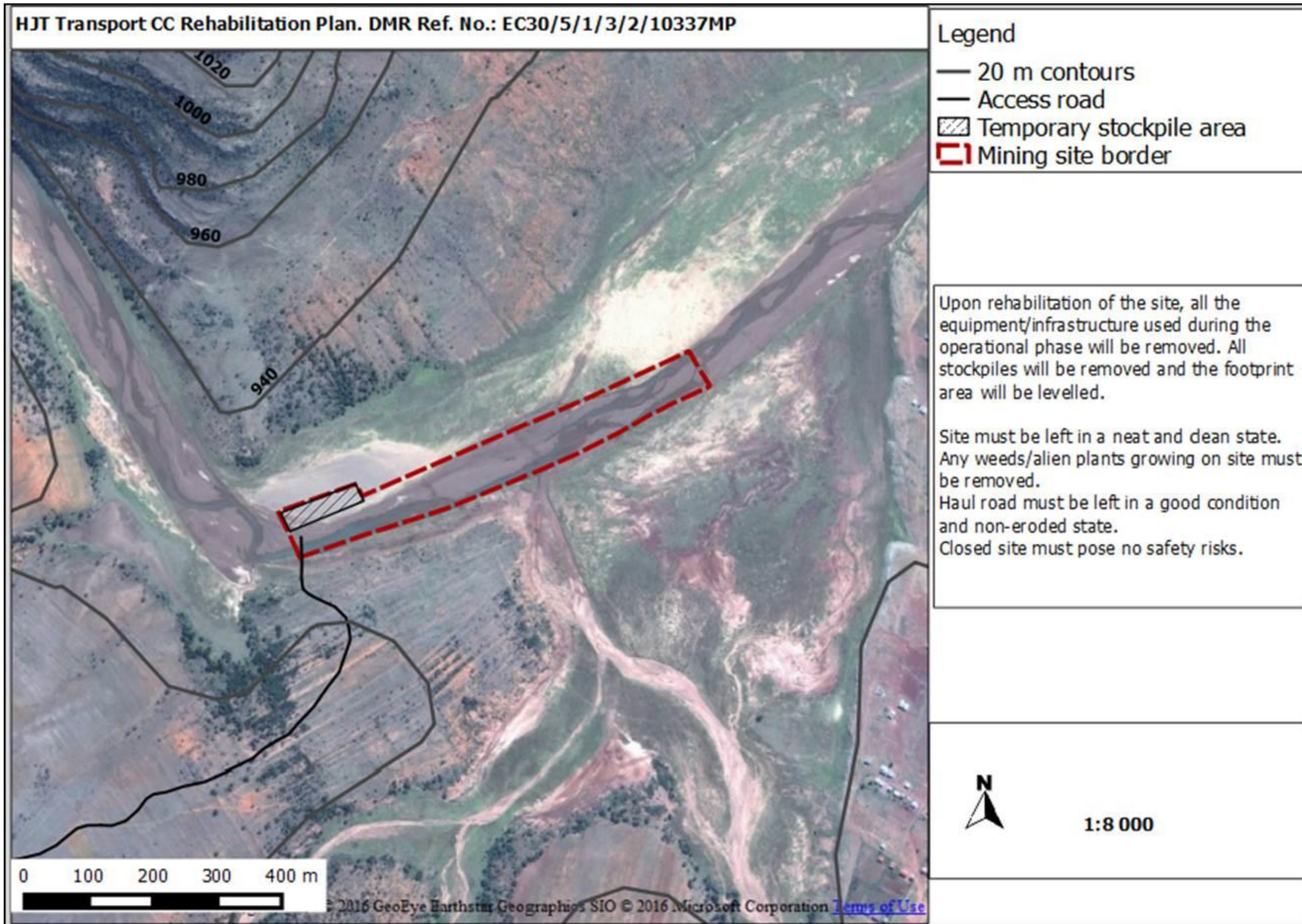
Regional Manager

Date

Erf 366
 Kundulu Allotment Area
 Datum: WGS 84
 Mining Area: 4.9 hectares



1:10 000



APPENDIX 2 PUBLIC PARTICIPATION PROCESS

1.3 Copy of BID

The following Background Information Document was communicated to all Stakeholders & I&APs (See Section 3.6 for a list) on 7 April 2016.

ENVIRONMENTAL IMPACT ASSESSMENT



Proposed by:
HJT Transport CC.

Return address for comments:

Environmental Consultant:
EOH Coastal & Environmental Services
Caitlin Smith
25 Tecoma Street, Berea, 5214
P.O Box 8145
Nahoon, 5210
Tel: (043) 726 7809
Fax: (043) 726 8352
Email: caitlin.smith@eoh.co.za



AIM OF THIS DOCUMENT

The purpose of this document is to ensure that **people that are interested in or affected by the proposed project are provided with information about the proposal, the process being followed and provided with an opportunity to be involved** in the EIA process.

Registering as an **Interested and/or Affected Party (I&AP)** allows individuals or groups the opportunity to **contribute ideas, issues, and concerns relating to the project**. I&APs also have an opportunity **to review all of the reports and submit their comments** on those reports. All of the comments that are received will be included in the **reports** that are submitted to the Competent Authority.

PROPONENT, PROJECT ACTIVITIES AND LOCATION

HJT Transport CC is applying for a Mining Permit to mine sand in the White Kei River near the Xonxa Dam, Emalahleni Local Municipality (Figure 1).

THE ENVIRONMENTAL ASSESSMENT PRACTITIONER

EOH Coastal & Environmental Services (EOH CES) was established in 1990 as a specialist environmental consulting company and has considerable experience in terrestrial, marine and freshwater ecology, the Social Impact Assessment (SIA) process, State of Environment Reporting (SOER), Integrated Waste Management Plans (IWMP), Environmental Management Plans (EMPs), Spatial Development Frameworks (SDF), public participation, as well as the management and co-ordination of all aspects of the Environmental Impact Assessment (EIA) and Strategic Environmental Assessment (SEA) processes.

THE ENVIRONMENTAL IMPACT ASSESSMENT PROCESS

According to the Environmental Impact Assessment (EIA) regulations (2014), promulgated under the National Environmental Management Act (No. 107 of 1998), listed activities need to be assessed. In this case the following project activities require that a Basic Assessment be carried out for submission to the Department of Mineral Resources (DMR).

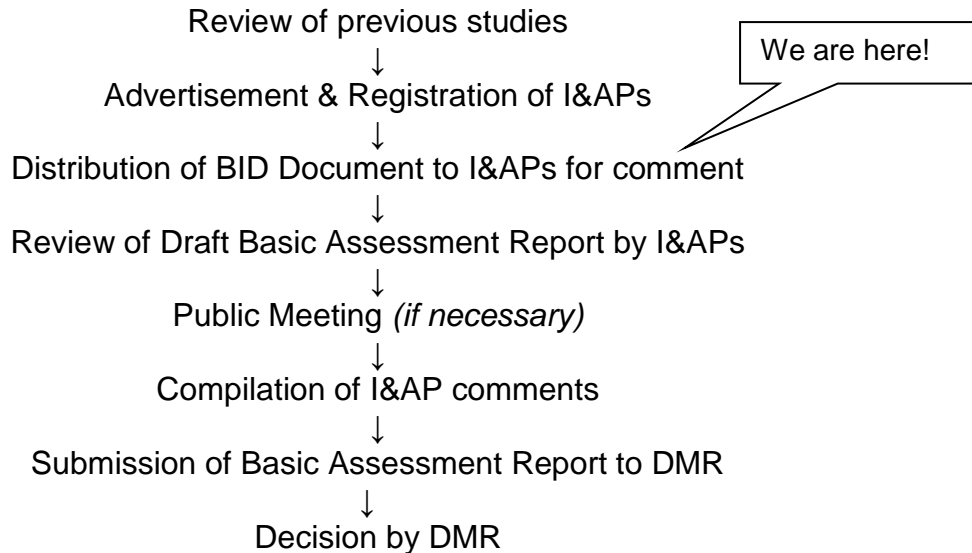
Table 1: Listed Activities which require Environmental Authorisation

ACTIVITY NUMBER	LISTED ACTIVITY
GNR 983 No. 21	Any activity including the operation of that activity which requires a mining permit in terms of section 27 of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002; MPRDA).
GNR 983 No. 22	The decommissioning of any activity requiring (i) a closure certificate in terms of Section 43 of the MPRDA.

APPROACH TO THIS BASIC ASSESSMENT REPORT

The process required for the proposed Mining Permit Application is a Basic Assessment. This process serves primarily to inform the public and relevant authorities about the proposed project and to determine any impacts.

Process for the Basic Assessments



POTENTIAL IMPACTS AND BENEFITS

EOH CES will assess the impacts of the proposed activity on the environment. Impacts will be assessed for the various alternatives; including the preferred alternative and the "No-Go" alternative. Impacts will be assessed for the planning and design, construction, operation and decommissioning phase.

HOW CAN YOU BE INVOLVED?

A **Public Participation Process** (PPP) is being conducted as part of the EIA. The aim of the PPP is to allow everyone who is interested in, or likely to be affected by the proposed development to provide input into the process.

The PPP will include:

- Advertisements in the Daily Dispatch
- Notice boards on site
- Circulation of the BID (this document) to all identified I&APs and stakeholders
- Comments period
- Review of the reports by all registered I&APs and stakeholders
- A public meeting (If required)

If you consider yourself an interested and/or affected person/party, it is important that you become and remain involved in the PPP. In order to do so please follow the steps below in order to ensure that you are continually informed of the project developments and will ensure your opportunity to raise issues and concerns pertaining to the project.

STEP 1: Please register by responding to our notification and invitation, with your name and contact details (details provided on cover page and below). As a registered I&AP you will be informed of all meetings, report reviews and project developments throughout the EIA process.

STEP 2: Attend any meetings that will be held during EIA process. As a registered I&AP, you will be invited to these meetings.

EOH is required to engage with all private and public parties that may be interested and/or affected by the proposed borrow pits, in order to distribute information for review and comment in a transparent manner.

In the same light, it is important for I&APs to note the following:

1. In order for EOH to continue engaging with you, please **ENSURE** that you register on our database by contacting the person below.
2. As the EIA process is regulated by specific review and comment timeframes, it is your responsibility to submit your comments within these timeframes.

Please send your enquiries and/or comments to:

Caitlin Smith
25 Tecoma Street,
Berea,
East London, 5214
P.O Box 8145
Nahoon, East London, 5210
Tel: (043) 726 7809/8313
Fax: (043) 726 8352
Email: caitlin.smith@eoh.co.za



Figure 1. Locality map for the proposed sand mine.

1.5 Proof of BID distribution

Email to stakeholders/ interested and affected parties on 7 April 2016:

From: Caitlin Smith <c.smith@cesnet.co.za> Sent: Thu 2016/04/07 03:07 PM

To: 'Malerato.Molokoane@drdlr.gov.za'; 'memolokoane@ruraldevelopment.gov.za'; 'Bahlekile.Keikelame@drdlr.gov.za'; 'Patrick.Futshane@drdar.gov.za'; 'zukle.pityi@drdlr.gov.za'; 'vatalas@emalahlenilm.gov.za'; 'mrwebin@emalahlenilm.gov.za'; 'nonkospeter@gmail.com'; 'konimsutu@gmail.com'; 'FourieL4@dws.gov.za'; 'MbikwanaM@dws.gov.za'; 'cira.ngetu@dedea.ecape.gov.za'; 'deidre.watkins@dmr.gov.za'; 'smokhanya@ecphra.org.za'; 'homzingisi.tukela@dpw.gov.za'; 'randall.moore@dpw.ecape.gov.za'; 'ndanyela@chrisanidm.gov.za'; 'nmene@chrisanidm.gov.za'; 'wantub@mmpcontractors.co.za'; 'julian@awe.co.za'

Cc:

Subject: Proposed Sand Mine in the Emalaheni Local Municipality, Eastern Cape

Message | BID_2016.pdf | Letter of Notification 1.pdf

Dear Stakeholder/ Interested and Affected Party

Please see attached Letter of Notification and Background Information Document for the proposed sand mining permit in the Emalaheni Local Municipality.

Kind regards

 Caitlin Smith, *Pr.Sci.Nat.*
Environmental Consultant
EOH Coastal & Environmental Services
25 Tecoma Street, Berea
East London | Eastern Cape | South Africa
tel: +27 (43) 726 7809 | fax: +27 (43) 726 8352 | cell: +27 (73) 457 4885
caitlin.smith@eoh.co.za | www.eoh.co.za | www.cesnet.co.za

Consulting | Technology | Outsourcing

1.6 Letter of notification



Coastal & Environmental Services

7 April 2018

Dear Stakeholder and I&AP,

PROPOSED SAND MINE IN THE EMALAHLENI LOCAL MUNICIPALITY, EASTERN CAPE.

This letter of notification serves to inform you, in terms of Regulation 41 (2) published in Government Notice No. R 982 under Chapter 5 of the National Environmental Management Act (No. 107 of 1998), of the intent to submit an application for environmental authorisation to the Department of Mineral Resources (DMR). EOH Coastal and Environmental Services (EOH CES) has been appointed as the Environmental Assessment Practitioner (EAP) to undertake the EIA for the proposed sand mine in terms of the EIA Regulations (2014).

Proponent, Project Activity and Location: HJT Transport CC is applying for a Mining Permit to mine sand in the White Kei River, near the Xonxa Dam in the Emalahleni Local Municipality, Eastern Cape.

Public Participation: A critical element of the EIA process is Public Participation. The objective is to contact, notify and inform members of the community who may be interested and/or affected by the proposed activity in order that any such party may fully participate, interact and inform the EIA process.

Consultant: For more information, registration as an Interested and Affected Party (I&AP), or the submission of written comments, please contact the person listed on the following page via telephone, fax, post or email within 30 days of this notice.

EOH Coastal & Environmental Services
Attention: Ms Caitlin Smith
PO Box 8145, Nahoon
East London, 5210
Tel: 043 726 7809
Fax: 043 726 8352
E-mail: caitlin.smith@eoh.co.za


Kind regards,

Caitlin Smith
Environmental Consultant
EOH Coastal and Environmental Services

1.7 Newspaper advert

Copy of newspaper advert:

The following advert was placed in the Daily Dispatch on 10 March 2016.



EOH
Coastal & Environmental Services

NOTICE OF ENVIRONMENTAL IMPACT ASSESSMENT

PROPOSED SAND MINE IN THE EMALAHLENI LOCAL MUNICIPALITY, EASTERN CAPE

Notice is hereby given in terms of Regulation 41(2) published in Government Notice No. R 982 under Chapter 5 of the National Environmental Management Act (No. 107 of 1998; NEMA) of the intent to submit an application for environmental authorisation to the Department of Mineral Resources (DMR).

Proponent, Project Activities and Location:
HJT Transport CC is applying for a Mining Permit to mine sand in the White Kei River, Lady Frere District, Emalahleni Local Municipality.

NEMA Listed Activities:
A Basic Assessment is triggered by the following listed activities:

- GNR 983 No. 21: Any activity including the operation of that activity which requires a mining permit in terms of section 27 of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002; MPRDA).

Other listed activities that are triggered: GNR 983 No. 22.

EOH Coastal & Environmental Services (EOH) has been appointed as the Environmental Assessment Practitioner (EAP) to undertake the Environmental Impact Assessment (EIA) for the proposed Mining Permit in terms of the EIA Regulations (2014).

For more information or submission of written comments contact by post, phone, fax or e-mail:
Ms Caitlin Smith, PO Box 8145, East London, 5210, Tel: 043 726 7809, Fax: 043 726 8352, e-mail: caitlin.smith@eoh.co.za.

Proof of advert:

Security	Provision of Security Services for Eastern Cape Provincial Treasury Offices in Joe Gqabi District (Pinal North)	24 Months	R900,001.00	1
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Requirements:


- SA ID
- Valid driver's license
- Fluent in Xhosa and English
- Experience in the Insurance and Funeral Parlour Industry

Forward 2-page CV to maria.bornman@yahoo.com
Closing date: 18 March 2016

ICE WAREHOUSE AND AUCTIONEERS

THA AUCTION

11 MARCH 2016 AT 11 A.M.
STREET (OLD QUALITY PLUMBERS BUILDING)
Refrigerators, Samsung Fridges and Microwaves, HiSense Led TVs, Repo Wall Units, Bedroom and Base Sets, Household Goods including Small Appliances, Dinner Sets, Power tools
CASHABLE DEPOSIT: R1000.00
PHONE: FABIA 084 312 5000



GEDA
GEOGRAPHIC ECONOMIC DEVELOPMENT AGENCY

**JOE GQABI
DEVELOPMENT AGENCY**
Bag X1042, Alwal North, 9750

and output driven

REFERENCE	PREFERENCE PROCUREMENT REGULATORY ACT 2011
JGDM201516-039	30/29 PRINCIPLE

INVITATION TO BID

Joint ventures or consortium with a sound legal structure are invited to submit bids for **Service Provider to Offer Company (Service Support for JoGEDA)**. Bidders are expected to meet the following minimum requirements:


- Law Degree NCF - 3
- Professional experience of not lesser than five (5) years.
- Experience of not lesser than three (3) years.
- Body and Chartered Secretaries of Southern

Bids to be held at the OPS Room situated in the Technical Office of the Municipality, Barkly East on the 15 March 2016 at 10:00 AM.

Bids to be submitted to the Joe Gqabi District Municipality's cashier's office upon R2000 (two thousand rand) for each document (either in cash or by cheque) made payable to the Joe Gqabi District Municipality. The Cashiers Office is situated at the ground floor of the Council Chamber, Barkly East between the hours of 07h30 and 15h30.

Bids to be sealed envelopes clearly marked "Appointment of Service Provider to Offer Company (Service Support for JoGEDA)" and the other marked "Fundamental". These must be submitted to the Joe Gqabi District Municipality, situated outside the front corner of Cole and Graham Streets, Barkly East not later than 15 March 2016 at 10:00 AM.

The revised Preferential Procurement Regulations of 2011 apply to a bidder for attaining the B-BBEE status level 1 (BBEE Verification Certificate from a Verification Institution System (SANAS) or a register Auditor Board of Auditors (IRBA) or an Accounting Officer in terms of the Act (CCA) is a requisite. Bidders will not be awarded the contract if they do not have a BBEE Verification Certificate but will be declared as



GREAT KEI LOCAL MUNICIPALITY

CANCELLED BID


CANCELLATION OF TECH/MIG 25/2015/16

Notice No.	Description of Contract
TECH/MIG. 25/2015/16	Construction of Chintsa East Sportfield.

The above tender was advertised on the Notice Board, Municipal website and Official Dispatch on the 30th October 2015 and closed on the 20th November 2015, under Technical and Community Services Department.

The above mentioned project is cancelled.

I. SUKHULU-NQWENA - MUNICIPAL MANAGER



EOH

Coastal & Environmental Services

NOTICE OF ENVIRONMENTAL IMPACT ASSESSMENT

PROPOSED SAND MINE IN THE EMALAHLENI LOCAL MUNICIPALITY, EASTERN CAPE


Notice is hereby given in terms of Regulation 41(2) published in Government Notice No. R 982 under Chapter 5 of the National Environmental Management Act (No. 107 of 1998, NEMA) of the intent to submit an application for environmental authorisation to the Department of Mineral Resources (DMR).

Proponent, Project Activities and Location:
NUT Transport CC is applying for a Mining Permit to mine sand in the White Kei River, Lady Frere District, Emalahleni Local Municipality.

NEMA Listed Activities:
A Basic Assessment is triggered by the following listed activities:
- GNR 983 No. 21: Any activity including the operation of that activity which requires a mining permit in terms of section 27 of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002; MPRDA).

Other listed activities that are triggered: GNR 983 No. 22.
EOH Coastal & Environmental Services (EOH) has been appointed as the Environmental Assessment Practitioner (EAP) to undertake the Environmental Impact Assessment (EIA) for the proposed Mining Permit in terms of the EIA Regulations (2014).

For more information or submission of written comments contact by post, phone, fax or e-mail:
Ms Caitlin Smith, PO Box 8145, East London, 5210, Tel: 043 726 7809, Fax: 043 726 8352, e-mail: caitlin.smith@est.co.za



UMZIMVUBU LOCAL MUNICIPALITY

UMZIMVUBU LOCAL MUNICIPALITY

ADVERT DATE: 10 MARCH 2016

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1.8 Onsite notice

The following notice was placed onsite on a fence at the entrance to the access road on 14 March 2016.



Coordinates of notice board: 31°50'29.31"S, 27° 4'37.69"E.

1.9 I&AP Database

Organisation	Name	Email	Tel	Cell	Fax	Postal Address	
Stakeholders							
Department of Rural Development and Land Reform	Ms Malerato Molokoane	Malerato.Molokoane@drdlr.gov.za	0458392296		0458386066		
		memolokoane@ruraldevelopment.gov.za					
		Bahlekile.Keikelame@drdlr.gov.za					
		Patrick.Futshane@drdar.gov.za					
Department of Rural Development and Land Reform: Land Claims	Zukile Pityi	zukile.pityi@drdlr.gov.za					
		Phumza Edi					phumza.edi@drdlr.gov.za
		Siyabonga Ntamesi					siyabonga.ntamesi@drdlr.gov.za
Emalahleni LM MM	Sitembele Wiseman Vatala	vatalas@emalahlenilm.gov.za	0478782004	083 270 5821			
Emalahleni LM Mayor Secretary	Nwabisa Mrwebi	mrwebin@emalahlenilm.gov.za	047 878 2002		0478780303	Private Bag X1161, Lady Frere, Eastern Cape, 5410 37 Indwe Road, Lady Frere, 5410	
Emalahleni LM	Dolly Mantyi	mantyd@emalahlenilm.gov.za					
Dept of Africulture Queenstown	Noluvuyo Nqeno	ululutho@yahoo.com					
		noluvuyo.nqeno@drdar.gov.za					0458077001
Ward 6 councillor	Cllr Nonkosikho Peter	nonkosipeter@gmail.com			0835463846		
Ward 1 councillor	Cllr Nontombizanele Koni	konimsutu@gmail.com			0718249857		
Department of Water and Sanitation	Lizna Fourie	FourieL4@dws.gov.za					
	Mbikwana Mlondolozzi	MbikwanaM@dws.gov.za					
	Margaritha Cox	CoxM@dws.gov.za	0415089700				

Organisation	Name	Email	Tel	Cell	Fax	Postal Address
	Paul Chilton	ChiltonP@dws.gov.za				
	Lucky Mzanywa	MzanywaN@dws.gov.za	0458077001			
	Hein Lodewyk	LodewykH@dws.gov.za				
	Glenn Daniel	DaniellG@dws.gov.za				
	Pieter Barry	BarryP@dws.gov.za				
	Koos Viljoen	ViljoeK@dws.gov.za				
DEDEAT Queenstown	Cira Ngetu	cira.ngetu@dedea.ecape.gov.za	045 808 4000			
Department of Mineral Resources	Deidre Thompson	deidre.watkins@dmr.gov.za	0414036623			
	Sinethemba Mtolo	Sinethemba.Mtolo@dmr.gov.za				
	Edwina Stevens	Edwina.Stevens@dmr.gov.za				
	Hloniphile Dlamini	Hloniphile.Dlamini@dmr.gov.za				
EC Heritage	Sello Mokhanya	smokhanya@ecphra.org.za		0720170072		
Department of Roads and Public Works	Ms Nomzingisi Tukela	nomzingisi.tukela@dpw.gov.za	0475027010	0829920235	0475323821	
DRPW District Roads Engineer	Randall Moore	randall.moore@dpw.ecape.gov.za	045 807 6614	0836661597		
DRPW	Robert Walton	robert.walton@dpw.ecape.gov.za				
Chris Hani DM MM Secretary	Nomaphelo Danyela	ndanyela@chrishanidm.gov.za	0458084610		0458381556	
MM	Moppo Mene	mmene@chrishanidm.gov.za				
		similodayi@gmail.com				
Landowners						
Headman	Phalazile Mlanjeni	-		076 446 5202		
I & APS						
Khundulu Village Ward 1	Wantu Bugqwangu	wantub@mmpcontractors.co.za		0828753853		
	Julian Thompson	julian@awe.co.za				
	James Khuselo			0836190315		
	Matati					
	N.F. Gilindoda			0766127902		

Organisation	Name	Email	Tel	Cell	Fax	Postal Address
	Nomsa Vanqa			0818368889		
	H. Maggeleba					
	N. Kamshelo			0780031446		
	Nowakhe Jongile			0781025044		
	Lindelwa Biso			0783179739		
	Nontombizanele Koni	konimsutu@gmail.com		0718249857		
	H. Kota			0836190315		
	Patase Khetani					
	Z. Manisi					
	B. Siqelo					
	D. Phungulwa					
	Zamekile					
	C. Ndlebe			0724749235		
	Vuyiswa Shwam			0719315070		
	Sphokazi Fungile	Sphokysphokazi@gmail.com		0782046873		
	N.Jongile					
	Nosakhele Mandla			0717735786		
	Nosayilese Basakabi			0723409781		
	B.N. Maseti			0810889170		
	P. Mlanjeni			0764465202		
CIlr Portfolio head for Economic development, Tourism and agriculture	Khunjulwa Nkasela			0716886743		
	K. Biso			0783179739		
	M. Kani			0630762817		
Emalahleni Local Municipality (Local Economic Development)	M. Tikana	tikanam@emalahleni.gov.za		0833132179		
		MasonwabeTikana@gmail.com				
Director, Economic development, Tourism and Agriculture	Mr Mntuyedwa	mntuyedwa@emalahleni.gov.za		0828400869		

Organisation	Name	Email	Tel	Cell	Fax	Postal Address

1.10 Release of the Draft BAR for public review

Email notification:

From: Caitlin Smith <c.smith@cesnet.co.za> Sent: Thu 2016/06/02 01:48 PM

To: 'Malerato.Molokoane@drdlr.gov.za'; 'memolokoane@ruraldevelopment.gov.za'; 'Baheleke.Keikelame@drdlr.gov.za'; 'Patrick.Futshane@drdar.gov.za'; 'zukile.pityi@drdlr.gov.za'; 'vatalas@emalahlenim.gov.za'; 'mrwebin@emalahlenim.gov.za'; 'martyid@emalahlenim.gov.za'; 'ululutho@yahoo.com'; 'noluvuyo.nqeno@drdar.gov.za'; 'nonkospeter@gmail.com'; 'konimsutu@gmail.com'; 'Fouriel4@dws.gov.za'; 'MbikwanaM@dws.gov.za'; 'CoxM@dws.gov.za'; 'ChiltonP@dws.gov.za'; 'MzanywaN@dws.gov.za'; 'cira.ngetu@dedea.ecape.gov.za'; 'deidre.watkins@dmr.gov.za'; 'smokhanya@ecphra.org.za';

Cc: nande.suka@eoh.co.za


Subject: Availability of draft Basic Assessment Report for the Proposed Sand Mine in the White Kei River.

Message notification letter.pdf

Dear Stakeholders/Interested & Affected Parties,

Please note that the Draft Basic Environmental Assessment Report for the abovementioned proposed sand mine is now available for public comment.

I trust you will find everything in order.

 Caitlin Smith, *Pr.Sci.Nat.*
Senior Environmental Consultant
EOH Coastal & Environmental Services
25 Tecoma Street, Berea
East London | Eastern Cape | South Africa
tel: +27 (43) 726 7809 | fax: +27 (43) 726 8352 | cell: +27 (73) 457 4885
caitlin.smith@eoh.co.za | www.eoh.co.za | www.cesnet.co.za

Consulting | Technology | Outsourcing



Coastal & Environmental Services

2 June 2016

NOTICE: DRAFT BASIC ASSESSMENT REPORT FOR THE PROPOSED SAND MINE IN THE EMALAHLENI LOCAL MUNICIPALITY, EASTERN CAPE.

DMR Ref. No.: EC 30/5/1/3/3/2/1/10337EM

Dear Stakeholder/ Interested and Affected Party

Please note that the **Draft Basic Assessment Report** for the proposed sand mine in the White Kei River, Emalahleni Local Municipality, is currently available for review until 4 July 2016. A copy of the report is available on the EOH CES website: <http://www.cesnet.co.za>, at the EOH CES office in East London and at the Emalahleni Local Municipal offices in Lady Frere.

Kindly submit any comments or queries to the consultant below.

Kind regards

Caitlin Smith
Environmental Consultant
EOH Coastal and Environmental Services

Submit comments to:
EOH Coastal & Environmental Services
Attention: Ms Caitlin Smith
PO Box 8145, Nahoon
East London, 5210
Tel: 043 726 7809
Fax: 043 726 8352
E-mail: caitlin.smith@eoh.co.za

Sms notification:

A Xhosa notification sms was sent to the following contact numbers:

0764465202
0836190315
0766127902
0818368889
0780031446
0781025044
0783179739
0724749235
0719315070
0717735786
0723409781
0810889170
0764465202

1.11 Correspondence from DMR

DMR acceptance of EIA application:



mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA

Private Bag X 6076, Port Elizabeth, 6000, Tel: 041 403 6600, Fax: 086 710 1055
DMR Building, 444 Govan Mbeki Avenue, Pier 14 Building (3rd Floor), North End, Port Elizabeth

Enquiries: Hloniphile Dlamini
Sub-Directorate: Mine Environmental Management

E-Mail: hloniphile.dlamini@dmr.gov.za
Ref No.: EC 30/5/1/3/3/2/1/10337EM

By Registered Mail

HJT Transport CC
28 Bank Street
Westbank
EAST LONDON
5218

Attention: Applicant: Mr. Harold Van Tonder (HJT Transport CC)
(Tel: 043 731 1108, Fax: 086 725 8671, Cell: 083 844 3398, Email: kerry.hjt@gmail.com)

Attention: EAP: Dr Alan Carter (EOH Coastal and Environmental Services)
(Tel: 043 726 7809, Fax: 043 726 8352, Email : caitlin.smith@eoh.co.za)

ACCEPTANCE OF THE APPLICATION FOR AN ENVIRONMENTAL AUTHORISATION FOR MINING AND ASSOCIATED LISTED ACTIVITIES IN RESPECT OF SAND ON ERF 366 (UN-REGISTERED STATE LAND), KUNDULU ALLOTMENT AREA, EMALAHLENI LOCAL MUNICIPALITY IN THE EASTERN CAPE.

APPLICANT: HJT Transport CC

1. The Department hereby accepts receipt an application for an **Environmental Authorization** (EA) lodged on the SAMRAD system on the 30th of May 2016 for the mining of Sand on Erf 366 (Un-Registered State Land), Kundulu Allotment Area, Emalahleni Local Municipality.
2. Only activities listed on the application will be considered when issuing an environmental authorization and the onus is on the applicant to ensure that **all listed activities** related to the proposed project **are included** in the application.
3. Kindly note that no listed activities may commence without an environmental authorization from this

Department.

4. The Basic Report must be submitted within 90 calendar days (i.e. no later than the 29th of August 2016) of lodging of the EA application (i.e. as per the required timeframes specified by the NEMA EIA Regulations, 2014).
5. Please submit 2 additional hardcopies and 7 softcopies of the BAR, within 5 days, for consultation purposes with various government departments.
6. Failure to submit the Basic Assessment Report within the required timeframes will result in the lapsing of the EA application.

Should you have any further queries, please do not hesitate to contact this office.

This Department reserves the right to revise its initial comments and request further information from you, based on any new or revised information received

Yours faithfully

pp.....

Regional Manager: Mineral Regulation

Eastern Cape Region

Date: 06/06/16

Please quote this office file number for any correspondence as reference.



mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA

DMR 10

Private Bag X 6076, Port Elizabeth, 6000, 444 Govan Mbeki Avenue, 3rd Floor, Port Elizabeth, 6001, Tel (041) 403 6600.
Ref No: EC 30/5/1/3/2/ 10337 MP. e-mail:Edwina.Stevens@dmr.gov.za . Enquiries: E Stevens

Registered Mail

THE MANAGER

HJT TRANSPORT CC

P.O. BOX 1845

NAHOON

EAST LONDON

5201

Att: Caitlin Nahoon

Fax no: 043-726 8352

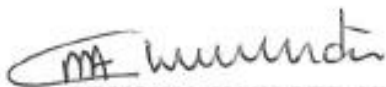
Dear Madam

APPLICATION FOR MINING PERMIT IN TERMS OF SECTION 27 OF THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT, 2002 AS AMENDED BY SECTION 23 OF ACT 49 OF 2008: BY HJT TRANSPORT CC TO MINE FOR SAND (GENERAL) ON PART OF ERF 366 OF KUNDULU ALLOTMENT AREAS, SITUATED IN THE MAGISTERIAL DISTRICT OF LADY FRERE.

1. This is to inform you that your application for a mining permit is accepted in terms of section 27 (3) of the Minerals and Petroleum Resources Development Act, 2002 (Act 28 of 2002) ("Act") as amended by Section 23 (5) of the Act.
2. Please note that in terms of S 27 (5) of the Act as amended by Section 23 (5) (a) and 23 (5) (b) of the Amendment Act, you are required to:

- 2.1 Submit to this office the required environmental reports and documents as stipulated in your acknowledgement of receipt of an environmental authorisation in this regard.
- 2.2 Notify and consult with the land owner(s) or lawful occupier(s) and all interested and affected parties (I & AP) and upload on the system **the results of such consultation which must be submitted 30 days from the date of this letter.**
- 3 You are further advised to consult the Department of Land Affairs and Land Claims Commission, should the land be state owned or be subject of a land claim in terms of the Land Restitution Act and the results of their responses be dealt with as referred to in paragraph 2 (c).
- 4 You are advised to lodge application for water use licence to the Department of Water and Sanitation.
5. **You are furthermore required to submit the Financial and Technical competence on or before 8 June 2016 as well as a Regulation 2.2 map signed by both the Land Surveyor and the Applicant.**

Yours faithfully





REGIONAL MANAGER: MINERAL REGULATION

EASTERN CAPE REGION

DATE: 02/06/2016

1.12 Water Use Licence Application

Proof of submission of WULAs at DWS:

DOCUMENT TRANSMISSION NOTE															
<div style="text-align: center;">  <p>EOH Coastal & Environmental Services</p> </div> <p>25 Tecoma Street, Berea, East London, 5201 P O Box 8145, Nahoon, East London, 5201</p> <p>Tel: +27 (43) 726 7809; Fax: +27 (43) 726 8352 Email: cesel@cesnet.co.za</p> <p>Also in Grahamstown, Johannesburg, Port Elizabeth, Cape Town and Maputo www.cesnet.co.za</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Project</td> <td>HJT Transport Mining Permit</td> </tr> <tr> <td>Document code</td> <td>299</td> </tr> <tr> <td>Document Title</td> <td>Draft BAR WULAs</td> </tr> <tr> <td>Transmitted to</td> <td>DWS East London</td> </tr> <tr> <td>Transmitted by</td> <td>Caitlin Smith</td> </tr> <tr> <td>Date transmitted</td> <td>1 June 2016</td> </tr> <tr> <td>Format of transmission</td> <td>Hand Delivered</td> </tr> </table>	Project	HJT Transport Mining Permit	Document code	299	Document Title	Draft BAR WULAs	Transmitted to	DWS East London	Transmitted by	Caitlin Smith	Date transmitted	1 June 2016	Format of transmission	Hand Delivered
Project	HJT Transport Mining Permit														
Document code	299														
Document Title	Draft BAR WULAs														
Transmitted to	DWS East London														
Transmitted by	Caitlin Smith														
Date transmitted	1 June 2016														
Format of transmission	Hand Delivered														
Document acceptance															
<p>I, <u>Andiswa</u></p> <p>of <u>DWS</u></p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>acknowledge receiving the following reports:</p>															
Reports															
Volume	Report	Number of copies and format of report (CD, hard copy etc.)													
1	Draft BAR	1 x Hard Copy													
1	WULAs	1 x Hard Copy													
Acknowledgement															
<p>Signed: <u></u></p> <p>Date: <u>01 June 2016</u></p>															
<p>Please fax, post or email completed and signed form to EOH Coastal and Environmental Services</p>															

1.13 Comments received from DWS

DWS engaged with from November 2015 regarding the proposed sand mine. DWS indicated that the following information would be required for the WULA process:

1. Aquatic studies in the form of Index of Habitat Integrity (IHI),
2. Water Quality (Total Dissolved Solids & Turbidity)
3. Environmental Audit Report for the existing Sand mine upstream of this new sand mine.
4. EMPr
5. Application forms

Further comments received in April and May 2016 from DWS are available below:



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

EASTERN CAPE REGION

P.O BOX 7019, East London, 5200, 02 Moore Street Ocean Terrace Building, Quiqney, East London, 5201

Enq: Mbikwana Mlondolozu

Tel:(043) 7010366

Mobile: 082 940 5474

Email:mbikwanam@dwa.gov.za

Fax: 0866117055

Date: 07/04/2016

RE: Comments in terms of Section 21 [c] & [i] of the National Water Act, Act 36 of 1998 (NWA) on Proposed Mining Permit to mine sand in the White Kei River by HJT Transport CC; Emalahleni Local Municipality, Eastern Cape

The proposed activity will trigger Section 21 [c] & [i] of NWA

With the available limited technical information (draft Aquatic Specialist Report) from the applicant's side the proposed activity could be managed under GA if it was not of the accumulative impacts within this river reach (IPES of E) and the presence of a agricultural dam which is now being used as a bulk water supply source.

There is a good chance that the WULA will be granted, based on paragraphs 6 & 7 please attend to the following:

1. Prepare a Master layout showing mining area, wetland no go zone, stockpile area; etc.).
2. The client must submit and commit to a mining method in line with the preliminary finding from Brian's report. The department cannot allow a river site to degrade to below the PES of E. This must also be contained in BAR that will be submitted to DMR for mining permit.
3. Submit a WULA, use the WULA checklist from Andiswa.

The affected river reach requires an integrated Water Resource Management approach that would focus on the following at minimum:

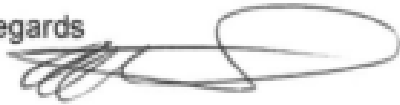
- A. Sub-catchment rehabilitation measures (Multi stakeholder engagement)
- B. Compliance, Monitoring and Enforcement (DWS/DEAT/DMR)
- C. Sustainable development of the affected watercourse to improve the PES of E to D/E and later even D
- D. This is a multi- stakeholder approach that must be championed by DWS.

We will discuss the WULA submission in due course.

Regards

Londi

Kind Regards

A handwritten signature in black ink, consisting of several overlapping loops and a long horizontal stroke.

Mlondolozzi Mbikwana (Scientist Grade A)

Date: 07 April 2016

1.14 Correspondence with the Department of Roads and Public Works

I hereby wish to register as an Interested and Affected Party (I&AP) for the Proposed Mining Permit EIA process

Name: ROBERT WALTON

Organization: DEPARTMENT ROADS & PUBLIC WORKS

Postal address: PRIVATE. BAG X 7114 QUEENSTOWN 5320

Email: ROBERT.WALTON@DPW.ECAPE.GOV.ZA

Phone #: 045 807 6755 Fax #: 086 298 5366

My initial comments, issues or concerns are:
As THE "OWNER" OF DR08570 FROM
THE R410 (LADY FREER ROAD) TO XONXA
AND PAST THE DAM, WE HAVE AN
INTEREST.
WHO IS GOING TO MAINTAIN THIS GRAVEL
ROAD?

I would like to receive all future correspondence in: (please circle)
ENGLISH / XHOSA

Other individuals, stakeholders, organisations or entities that should be registered are:

Name: _____

Organisation: _____

Postal address: _____

Email: _____

Phone #: _____ Fax #: _____

Submission of letter requesting permission for access onto the DR08570:


From: Caitlin Smith <c.smith@cesnet.co.za> Sent: Tue 2016/07/05 04:39 PM
To: robert walton (robert.walton@dpw.ecape.gov.za)
Cc: kerry.hjt@gmail.com; harold.hjt@gmail.com
Subject: Proposed sand mine near Xonxa Dam: request for access to the DR08570 gravel road.

Message Gravel access roads to site.jpg (164 KB) Letter - Dept. Roads and Public Works_HJT.pdf (74 KB)

Good day Robert

Please see attached letter requesting access to the abovementioned gravel road for purposes of traveling to the proposed sand mining site near the Xonxa Dam.

Kind regards

 Caitlin Smith, *Pr.Sci.Nat.*
Senior Environmental Consultant
EOH Coastal & Environmental Services
25 Tecoma Street, Berea
East London | Eastern Cape | South Africa
tel: +27 (43) 726 7809 | fax: +27 (43) 726 8352 | cell: +27 (73) 457 4885
caitlin.smith@eoh.co.za | www.eoh.co.za | www.cesnet.co.za
Consulting | Technology | Outsourcing



HJT Transport

SUPPLIERS & TRANSPORT OF: SAND | SABUNGA | STONE
& ALL BUILDING AGGREGATE

Attention: **Robert Walton**
Assistant Director: Contracts & Technical Services
Chris Hani Region: Roads Maintenance
Department of Roads and Public Works

RE: PROPOSED SAND MINE NEAR XONXA DAM: REQUEST FOR ACCESS ON THE DR08570

Dear Sir

We, HJT Transport CC, request access on the DR08570 Gravel Road for the purpose of traveling to the proposed sand mine near the Xonxa Dam. The portion of the DR08570 that will be used is from the turnoff from the R410 until the entrance to the mining access road (coordinates of entrance: 31°50'37.22"S, 27°4'39.89"). Refer to Figure 1 attached.

We will maintain this gravel road (DR08570) illustrated in Figure 1 with the necessary grader equipment for the duration of mining activity (until mining ceases).



Figure 1. Bhelothwa Rtodana Gravel Road (DR08570).

Yours Sincerely



HAROLD VAN TONDER
MEMBER: HJT TRANSPORT
043 731 1108
083 844 3398
harold.hjt@gmail.com

1.15 Correspondence with the Department of Rural Development and Land Reform:

Emails to DRDLR:

First EIA notification email:

From: Caitlin Smith <c.smith@cesnet.co.za> Sent: Thu 2016/04/07 03:07 PM

To: 'Malerato.Molokoane@drdlr.gov.za'; 'memolokoane@ruraldevelopment.gov.za'; 'Bahlekile.Keikelame@drdlr.gov.za'; 'Patrick.Futshane@drdar.gov.za'; 'zukile.pityi@drdlr.gov.za'; 'vatalas@emalahlenilm.gov.za'; 'mrwebin@emalahlenilm.gov.za'; 'nonkospeter@gmail.com'; 'konimsutu@gmail.com'; 'FourieL4@dws.gov.za'; 'MbikwanaM@dws.gov.za'; 'cira.ngetu@dedececape.gov.za'; 'deidre.watkins@dmr.gov.za'; 'smokhanya@ecphra.org.za'; 'nomzingisi.tukela@dpw.gov.za'; 'randall.moore@dpw.ecape.gov.za'; 'ndanyela@chrishanidm.gov.za'; 'nmene@chrishanidm.gov.za'; 'wantub@mmpcontractors.co.za'; 'julian@awe.co.za'

Cc:


Subject: Proposed Sand Mine in the Emalahleni Local Municipality, Eastern Cape

Message | BID_2016.pdf | Letter of Notification 1.pdf

Dear Stakeholder/ Interested and Affected Party

Please see attached Letter of Notification and Background Information Document for the proposed sand mining permit in the Emalahleni Local Municipality.

Kind regards

 Caitlin Smith, *Pr.Sci.Nat.*
Environmental Consultant
EOH Coastal & Environmental Services
25 Tecoma Street, Berea
East London | Eastern Cape | South Africa
tel: +27 (43) 726 7809 | fax: +27 (43) 726 8352 | cell: +27 (73) 457 4885
caitlin.smith@eoh.co.za | www.eoh.co.za | www.cesnet.co.za
Consulting | Technology | Outsourcing

From: Caitlin Smith <c.smith@cesnet.co.za> Sent: Thu 2016/06/23 09:09 AM

To: 'zukile.pityi@drdlr.gov.za'

Cc:

Subject: Proposed sand mine in the White Kei River, Emalahleni LM, Eastern Cape

Message | BID_2016.pdf (478 KB)

Good day Zukile

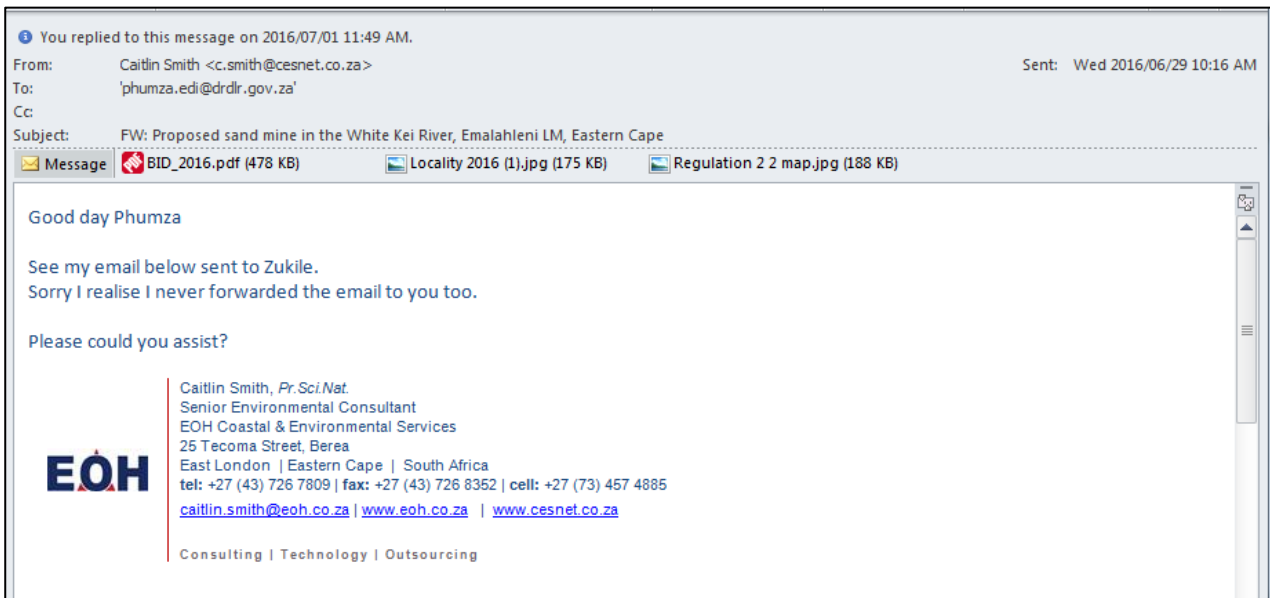
We are completing the Mining Permit Application and Environmental Impact Assessment for a proposed sand mine on the White Kei River, Xonxa Community, near Lady Frere.

See attached Background Information Document. We have been requested by the Department of Mineral Resources (DMR) to consult with the Department of Land Affairs and the Land Claims Commission, should the land be state owned or subject of a land claim. I don't believe this land is subject to any land claim, but would like to consult with the relevant person regarding this.

Could you please put me in touch with someone who could assist?

Kind regards

 Caitlin Smith, *Pr.Sci.Nat.*
Senior Environmental Consultant
EOH Coastal & Environmental Services
25 Tecoma Street, Berea
East London | Eastern Cape | South Africa
tel: +27 (43) 726 7809 | fax: +27 (43) 726 8352 | cell: +27 (73) 457 4885
caitlin.smith@eoh.co.za | www.eoh.co.za | www.cesnet.co.za



Email and letter from DRDLR:





OFFICE OF THE REGIONAL LAND CLAIMS COMMISSIONER: EASTERN CAPE
13th floor, Caxton House, Terminus Street, East London | PO BOX 1375, East London, 5200
Tel: (043) 700 6000 | Fax: (043) 743 3687

Enquiries: P. Edi

Your Ref:

Tel: 043 726 7809
Email: Caitlin.smith@eoh.co.za

Dear Sir / Madam

Your letter has a reference,

PROPERTIES:

- White Kei River, Emalahleni Local Municipality, Province of the Eastern Cape

This serves to confirm that there is a claim on the above-mentioned property.

Please feel free to contact us for any clarification that may be required.

Yours faithfully

MR. Z. PITYI
CHIEF DIRECTOR: LAND RESTITUTION SUPPORT
For REGIONAL LAND CLAIMS COMMISSIONER: EASTERN CAPE
DATE: 15/7/2016

Further information was requested from DRDLR regarding this land claim:


From: Caitlin Smith <c.smith@cesnet.co.za> Sent: Mon 2016/07/25 09:30 AM
To: 'Phumza Edi'
Cc: 'nosiphiwo.jekwa@drdlr.gov.za'; 'siyabonga.ntamesi@drdlr.gov.za'
Subject: RE: Proposed sand mine in the White Kei River, Emalahleni LM, Eastern Cape

Thanks Phumza

I do, however, require the following information on this claim:

1. The date on which the claim was lodged with you.
2. The name, identity number and address of the claimant(s).
3. The precise geographical coordinates of the area in respect of which the claim has allegedly been lodged.
4. Full details of the procedure that has been followed by you and the claimant and any steps that have been taken by either party.
5. Copies of the claim documents.
6. A summary of the further steps if any that are likely to be taken by you and/ or the claimant in the furtherance of the claim, and your estimation of the length of time that will be taken to conclude the claim.

Kind regards

 Caitlin Smith, *Pr.Sci.Nat.*
Senior Environmental Consultant
EOH Coastal & Environmental Services
25 Tecoma Street, Berea
East London | Eastern Cape | South Africa
tel: +27 (43) 726 7809 | fax: +27 (43) 726 8352 | cell: +27 (73) 457 4885
caitlin.smith@eoh.co.za | www.eoh.co.za | www.cesnet.co.za
Consulting | Technology | Outsourcing

Email from DRDLR regarding land claim:

From: Siyabonga Ntamesi <Siyabonga.Ntamesi@drdlr.gov.za> Sent: Wed 2016/07/27 09:42 AM
To: caitlin.smith@eoh.co.za
Cc: Zolisa Pona; Phumza Edi; Nosiphiwo Jekwa; Funeka Malusi
Subject: FW: Proposed sand mine in the White Kei River, Emalahleni LM, Eastern Cape


Message Regulation 2 2 map.jpg (185 KB) land claim.pdf (25 KB)

Dear Caitlin

As per our telephonic conversation this morning, I just want to confirm that there are individual claims who are claiming on the piece of land you are enquiring about. Those individuals were left out from Xonxa Community claim and now they are claiming as individuals as they were left out.

I have checked with the Project Officers (Mrs Pona and Ms Jekwa) who worked in that area and they confirmed what I am saying. I have also copied them on this email so that you can get more clarity on this enquiry.

Kind Regards,
Siyabonga Ntamesi



Click on a photo to see social network updates and email messages from this person.
Connect to social networks to show profile photos and activity updates of your colleagues in Outlook. Click here to add networks.

EOH response to DRDLR:

From: Caitlin Smith <c.smith@cesnet.co.za> Sent: Thu 2016/07/28 10:09 AM
To: 'Siyabonga Ntamesi'
Cc:
Subject: RE: Proposed sand mine in the White Kei River, Emalahleni LM, Eastern Cape


Thank you Siyabonga

As per our telephonic discussion I would also like to confirm that at this stage (since the claim has not been processed) you are unable to provide me with the following information:

1. The date on which the claim was lodged with you.
2. The name, identity number and address of the claimant(s).
3. The precise geographical coordinates of the area in respect of which the claim has allegedly been lodged (whether or not it actually affects the proposed mining area).
4. Copies of the claim documents.
5. Your estimation of the length of time that will be taken to conclude the claim.

Kind regards

Caitlin Smith, *Pr.Sci.Nat.*
Senior Environmental Consultant
EOH Coastal & Environmental Services
25 Tecoma Street, Berea
East London | Eastern Cape | South Africa
tel: +27 (43) 726 7809 | fax: +27 (43) 726 8352 | cell: +27 (73) 457 4885
caitlin.smith@eoh.co.za | www.eoh.co.za | www.cesnet.co.za
Consulting | Technology | Outsourcing



1.16 Correspondence with the Department of Rural Development and Agrarian Reform (DRDAR) – Land Use Management:

Email and letter from DRDAR:

You replied to this message on 2016/07/22 01:54 PM.

From: Siphso Mayedwa <Siphso.Mayedwa@drdar.gov.za>

Sent: Fri 2016/07/22 12:49 PM

To: caitlin.smith@eoh.co.za

Cc:

Subject: Sand mining_Emalahleni LC

Message Image.jpg

Dear Sir/Madam

Attached please find a letter of response for comments on sand mining – Emalahleni Local Municipality.

Kind Regards

SB Mayedwa (NRM Planner)

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Province of the
EASTERN CAPE
DEPARTMENT OF RURAL DEVELOPMENT AND AGRARIAN REFORM

LAND USE MANAGEMENT: Crown Hotel Building, 15 Wodehouse Street, King William's Town, 5600.
Private Bag X0040, BHISHO, 5606. REPUBLIC OF SOUTH AFRICA. Tel: +27 (0)43 6054206/7, Fax: +27
(0)86 6575417 / 086 6020820. unine.manuel@drdar.gov.za / Patrick.Futshane@drdar.gov.za

Caitlin Smith
EOH Coastal & Environmental Services
PO Box 8145
East London - 5210
Eastern Cape

Dear Sir/ Madam

RE: PROPOSED SAND MINING IN THE WHITE KEI RIVER, EMALAHLENI LOCAL MUNICIPALITY – CHRIS HANI DISTRICT - EASTERN CAPE PROVINCE

The Department of Rural Development and Agrarian Reform, as an Interested and Affected Party, received correspondence from EOH Coastal & Environmental Services requesting comments on the proposed sand mining in the White Kei River, Emalahleni Local Municipality, Chris Hani District - Eastern Cape Province.

Having studied your report and based on its content, the department views the proposed sand mining in the White Kei River, Emalahleni Local Municipality - Eastern Cape Province as a sustainable venture that will reduce river siltation, increased availability of raw materials for building and construction of industry to both the local and regional locations, creation and maintenance of job opportunities to improve the living standards of the surrounding communities and add value to the local economy,

Pertaining to the above the department is of the opinion that the proposed project can proceed without limiting the production capacity of the current agricultural activities.

PS FUTSHANE
DIRECTOR: LAND USE MANAGEMENT

DATE: 22-07-2014

1.17 Comment received from I&AP

I hereby wish to register as an Interested and Affected Party (I&AP) for the Proposed Mining Permit EIA process

Name: Julian Thompson

Organization: Thompsons Transport

Postal address: Po Box 2096, Komani, 5320

Email: julian@awe.co.za

Phone #: 083 261 2993 Fax #: 045 8395850


My initial comments, issues or concerns are:
The Area to be mined IS a concern.

I would like to receive all future correspondence in: (please circle)
ENGLISH / XHOSA

Other individuals, stakeholders, organisations or entities that should be registered are:
Name: _____


This I&AP was sent a BID with a map indicating mining site and no further comment was received.

1.18 Landowner permission letter



To whom it may concern,


I/We PALAZILE MLANJENI the Landowners of Erf 366 in the White Kei River floodplain, hereby give our consent to HJT Transport CC to access and mine sand in the White Kei River, on the above mentioned property.

PALAZILE Mlanjeni 
 Signature of landowner or on behalf of landowner

15/06/16
 Date

1.19 Public meeting / stakeholder meetings





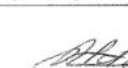
A meeting was held with the Emalahleni Local Municipality on 26 April 2016 to introduce the project to them and discuss future public meetings. The local municipality indicated that they have no objection to the project, but indicated that they would like to facilitate and be part of future public meetings. See attendance register below.



HJT Transport Mining Permit Application – Stakeholder meeting

26 April 2016

Attendance Register

Name & Surname	Organisation	Email Address	Tel no.	Signature
Caitlin Smith	EOH CES	c-smith@cesnet.co.za	043 726 7809	
Harold van Tongeren	HJT TRANSPORT	harold.hjt@gmail.com	043 7311108	
SOLO, MANTHI	ELDM	mantjid@emalahleni.m. gov.za	047-8782049	
Khumbulwa Nkomo	EPDA - Portofino	-	071 6886742	
M. PETER	W/KAER(06)	nonkosipeter@gmail.com	083 5463846	

A public meeting was held with the Xonxa community, ward councillor, Xonxa headman and representatives from the Emalahleni Local Municipality on 11 May 2016. See attendance register and meeting minutes below.



Coastal & Environmental Services

HJT Transport Mining Permit Application Stakeholder/ I&AP Meeting

11 May 2016

Icama & Ifani		Attendance Register			Inombolo yefowuni ID/NUM
Name & Surname	Ilali Organisation	Email Address	Tel no.	Signature	
Thino Mgweba	EOH coastal and Environmental Services	thinomgweba@gmail.com	043 726 7809		
Caitlin Smith	EOH CES	caitlin.smith@eoh.co.za	043 726 7809		
Horold van Tonder	HJT Transport	horold.hjt@gmail.com	043 731108		
James Khwabe Motati	H Kota		0836190315	James MS	
M.F. Gindobu	Xonxa		0766127902		

Name & Surname	Organisation	Email Address	Tel no.	Signature
Nomsa Vanga	Xonxa		081 8368889	N. Vanga
H. Magerleba	-		- - -	H.M.
N Kamshole	Xonxa		0780031446	N K
Nlouwe Kwe Jengile	Xonxa		0781025044	N.J.
Kinselwa Biso	Xonxa (w/cow)	-	0783179739	Kbis
Nontombazanele Koni	WARD 01 WARDS COUNCILLOR	konimsidu@gmail.com	071 824 9887	N. F. Coni
H Kota N K	Xonxa		0836190315	H Kota
Pataza Khethoni	Xonxa			+
Zo manisi	Xonxa			~

Name & Surname	Organisation	Email Address	Tel no.	Signature
B	SIDILELO	XONXA		
D	Phunguhaka	XONXA		
	ZANEKHE	XONXA		
C.	Ndlebe.	Xonxa	0724749235	C. Ndlebe.
Shuan Vuyiswa	XONXA		0119315070	V. Shuan
Fungile Ppholoz	Xonxa	Phungilep@xsonxa.co.za	0782046873	F. Fungile
ALONGILE N.	Xonxa			+
Mandla Nasikhele	XONXA	Xonxa	0717735786	N. M.
Basakabi. N. N	Nosayiles e XONXA	XONXA	0723409781	N B
MASETI BN.	C.M.	N/A	0810889170	BN. Maseti

Igama Name & Surname	Ilali	email	Inombolo YeFowuni	Signature
P. Mlangeni	XONXA	-	0764468202	
Khuyile Nasika	Emakham	-	0716886742	
H. Keta	XONXA	-	0836190315	
B.N. Maseti	XONXA	-	0810889170	B. Maseti
K. Biso	XONXA	-	0783179739	K. Biso
N. Basakabi	XONXA	-	0723409781	N B
M. Kani	XONXA	-	0630762817	
N. Kamshole	XONXA	-	0780031446	N K
M. T. Kani	EM	kikama@emakham.org.za	0833132179	M.T. Kani
M. M. Mthembu	EM	Mthembu@emakham.org.za	0828005869	



Coastal & Environmental Services

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HJT TRANSPORT MINING PERMIT- MEETING MINUTES

CLIENT	HJT Transport
DATE	11 May 2016
VENUE	kwaGilindonda, Xonxa Village
TIME OF MEETING	10:00
MINUTES BY	Thina Mgweba
CIRCULATION DATE	12 May 2016

ATTENDED BY		
NAME	ASSOCIATION	EMAIL ADDRESS
Thina Mgweba	EOH CES	t.mgweba@cesnet.co.za
Caitlin Smith	EOH CES	c.smith@cesnet.co.za
Harold Van Tonder	HJT Transport	Harold.hjt@gmail.com
Nkululo Mntuyedwa	Emalahleni Local Municipality	mntuyedwan@emalahleni.gov.za
Masonwabe Tikana	Emalahleni Local Municipality	tikanam@emalahleni.gov.za
Cllr Kunjulwa Nkasela	Emalahleni Local Municipality	
Nontombizanele Koni	Ward 1 Councillor (Xonxa Village)	konimsutu@gmail.com
P. Mlanjeni	Headman (Xonxa Village)	
Khindeka. Biso	Ward Committee (Xonxa Village)	
James Khuselo	Xonxa Village	
Matati	Xonxa Village	
N.F. Gilindoda	Xonxa Village	
Nomsa Vanqa	Xonxa Village	
H. Maggeleba	Xonxa Village	
N. Kamshelo	Xonxa Village	
Nowakhe Jongile	Xonxa Village	
Lindelwa Biso	Xonxa Village	
Nontombizanele Koni	Xonxa Village	
H. Kota	Xonxa Village	
Patase Khetani	Xonxa Village	
Z. Manisi	Xonxa Village	
B. Siqelo	Xonxa Village	
D. Phungulwa	Xonxa Village	
Zamekile	Xonxa Village	
C. Ndlebe	Xonxa Village	
Vuyiswa Shwam	Xonxa Village	
Sphokazi Fungile	Xonxa Village	
N.Jongile	Xonxa Village	
Nosakhele Mandla	Xonxa Village	
Nosayilese Basakabi	Xonxa Village	
B.N. Maseti	Xonxa Village	
M. Kani	Xonxa Village	
APOLOGIES:		
Makhunga Mvo	Xonxa Village	

TEXT	ACTION/REPLY
OPENING AND WELCOMING	
Cllr Koni, welcomed everyone to the meeting	No action
INTRODUCTION	
The attendees introduced themselves	No action
PURPOSE OF THE DAY	
Mr Mntuyedwa presented on the purpose of the day, explaining how the meeting came about and why it was being held.	No action
Ms Nkasela reiterated what Mr Mntuyedwa had said.	No action
EIA PROCESS PRESENTATION	
Thina Mgweba explained who the applicant and EOH were and what they do. She presented on the EIA process and requirements as well as how the community can get involved.	No action
QUESTIONS AND COMMENTS	
A member of the community asked how the community is going to know where exactly the prospective mining area is. He also asked whether the applicant needs the community's help to find a suitable site or was it already chosen. He further stated that if it was already chosen, they would like to see it as they can only give informed comments when they know exactly where the site is along the river.	REPLY: EOH replied that the site has already been selected and that is the site that is currently being assessed. ACTION: EOH to take some of the elders of the village to the exact proposed site (this was done after the meeting).
The headman sought clarity on whether the development would be impacting on the grazing land of the community as that is a concern of his.	ACTION: EOH clarified that the mining will not impact on grazing land as the mining is going to be in the river/ unvegetated river banks.
Cllr Koni said that they were happy with the proposed development and have no issues with it. She mentioned that the community would like to go see the area and know exactly where it is as the maps provided may not be very clear to the community.	No action
Another member of the community also agreed that they are happy with the proposed sand mining development but they need to go and see where the site is exactly.	ACTION: EOH to take some of the elders of the village to the exact proposed site (this was done after the meeting).
A member of the community stated that the trucks from these developments damage the roads and that they must fix the roads when that happens.	REPLY: Mr Van Tonder of HJT Transport assured the community that the company will grade the roads and that this is also a requirement from the Department of Roads and Public Works.
Another member of the community stated the he was born in the village and that he knows it very well, he can already confidently say that there are no graves or anything of cultural and heritage significance down near the river.	No action
WAY FORWARD	
Ms Nkasela spoke on the way forward stating that the community agrees with the development and is happy to let the EIA process continue and once the applicant receives the permit another meeting must then be held to discuss how the community will benefit. She emphasised to the community that community meetings will be held again once the permit has been received where the agenda will be on the benefits that will accrue to the community.	No action
HJT COMPANY PRESENTATION	
Mr Van Tonder explained the mining process and why they would like to mine in this area. He further explained that once the community has seen the area and are happy with it and if the Department of Mineral Resources (DMR) approves the mining permit they will then come back and have meetings with the community and Municipality on the methods of remuneration.	ACTION: HJT to schedule meetings through the Municipality, ward councillor and headman if the mining permit gets approved.
A community member mentioned that he hopes everything is	No action

truthful and that the applicant will stick to the agreements that will be made.	
CLOSING	
The headman closed off the meeting stating that he is happy with the approach that has been taken by the applicant. He thanked the Municipality, EOH and the community at large mentioning that he hopes everyone will work together.	No action.
POST- MEETING ACTIVITIES	
The headman signed the Water-Use License application forms as the property owner.	
EOH and HJT Transport took four of the community elders including the headman to the proposed mining site. The community were happy with the proposed area and mentioned that this is the area they were thinking of as well. The community members were then dropped back at the meeting venue.	

1.20 Issues and Response

Raised by	Event	Issue / Concern / Comment	Reply /Action
Department of Water and Sanitation (DWS)	Meeting and Email Correspondence	<p>Mbikwana Mlondolozzi (DWS East London) indicated that the following information would be required for the WULA process:</p> <ol style="list-style-type: none"> 1. Aquatic studies in the form of Index of Habitat Integrity (IHI), 2. Water Quality (Total Dissolved Solids & Turbidity) 3. Environmental Audit Report for the existing Sandmine upstream of this new sand mine. 4. EMPr 5. Application forms 	EOH CES sub-contracted an Aquatic Specialist to complete an Aquatic Study which has been attached to this report.
	Email correspondence	<p>Mbikwana Mlondolozzi (DWS East London) indicated that the proposed activity could be managed under GA if it was not for the accumulative impacts within this river reach (IPES of E) and the presence of a agricultural dam which is now being used as a bulk water supply source.</p> <p>He indicated that there is a good chance that the WULA would be granted and that the following information was required:</p> <ol style="list-style-type: none"> 2. Prepare a Master layout showing mining area, wetland no go zone, stockpile area; etc.). 3. The client must submit and commit to a mining strategy in line with the preliminary finding from Brian's report. The department cannot allow a river site to degrade to bellow the PES of E. This must also be contained in BAR that will be submitted to DMR for mining permit. 4. Submit a WULA, use the WULA checklist. 	Noted. All the relevant information has been compiled for DWS.
	Email correspondence	Margaritha Cox (DWS National Water Resource Infrastructure Branch):	

Raised by	Event	Issue / Concern / Comment	Reply /Action
		<p><u>HEIN LODEWYK: SURVEY SERVICES</u> Head of Survey (Con. Tech.)</p> <p>Hein indicated that DWS does not have a purchase boundary for Xonxa Dam at this stage. The dam does fall on "state land", not registered yet.</p> <p>Some background from Hein:</p> <p>Xonxa Dam is one of the many dams (of the former homelands) that still does not have purchase lines. The contour survey was done to determine the HFL (hundred year floodline) to be used to calculate the Purchase line.</p> <p>Hein's intention was to write a submission to get approval to have the HFL calculated for all dams without purchase lines. He is just waiting for an updated list.</p> <p>Hein mentioned that from what he can see on the Google Image, this sand mine will most probably fall within the 1:100 HFL, therefore also in the purchase area.</p> <p>He mentions that if sand mines are allowed inside the purchase boundary of dams then this is not a problem. If not, then they need to wait for the purchase line calculations.</p> <p>He indicates that the proposed sand mine is above the FSL but, will fall within the HFL. <i>This can however only be determined after the 1:100 year HFL is calculated.</i></p> <p>The mining area falls within the White-Kei River that flows straight into the dam.</p>	

Raised by	Event	Issue / Concern / Comment	Reply /Action
		<p>“Water allocation in the dam was mainly for agricultural development, but has since been extended to Bulk Water Supply.” Mbikwana Mlondolzi in previous e-mail.</p> <p>Mining of sand will loosen up ground which will end up in the dam as sediment during floods or high flow in the river.</p> <p><i>Special attention must be given to what the National Water Act (Act 36 of 1998) says about changing the course of a river?</i></p> <p><i>This needs to be investigated in the EIA.</i></p> <p><u>GLENN DANIELL: CIVIL ENGINEERING</u> Head of Section: (Deputy Chief Engineer)</p> <p>Glenn mentioned that when investigating the subject of water quality, the EIA must convince DWS that the concurrent activity and the machinery itself will have no impact on the dam’s water quality.</p> <p>Glenn indicated that the impact on their operations would be minimal, as their operational activities mostly take place at the dam wall.</p> <p>Glenn asked what procedure was followed by DWS to allow only one developer to apply for this activity?</p> <p><u>KOOS VILJOEN: OPERATIONS: EC</u> Head of Section (Deputy Director)</p> <p>Koos accepts that an EIA will be compulsory as to ensure that the resource downstream will be protected.</p>	<p>It was indicated by the Aquatic Speciaslist that the project has in fact the potential to enhance the functioning of the observed water courses by removing the silt and sand accumulated within the impoundment.</p> <p>Noted.</p> <p>An EIA has been undertaken.</p>

Raised by	Event	Issue / Concern / Comment	Reply /Action
		<p>Further to this Koos supported Hein in that one first needs to get the HFL sorted as DWS cannot allow mining activities inside the HFL level.</p> <p><u>PIETER BARRY: MECHANICAL ENGINEERING</u> Head of Section (Chief Engineer)</p> <p>Pieter indicated that mining will not have an effect on the mechanical infrastructure at the tower.</p> <p>From this perspective Pieter indicated that he does not have any objections.</p> <p>Pieter indicated that this is as far as we can assist with information for decision making (regarding WULAs).</p>	<p>There are existing legal mining operations further upstream from the dam that also likely fall within the HFL.</p> <p>Noted.</p>

Raised by	Event	Issue / Concern / Comment	Reply /Action
Department of Roads and Public Works (DRPW)	Email correspondence	<p>Robert Walton (Assistant Director: Contracts & Technical Services Chris Hani Region: Roads Maintenance):</p> <p>The R396 (DR08551) from Queenstown to Lady Frere is still under the jurisdiction of this department until such time as SANRAL officially take it over.</p> <p>DR08570 from the R396 past Xonxa Dam is a proclaimed district road belonging to this Department. This road goes through the Xonxa village.</p> <p>This road has in the past been severely damaged by trucks taking sand out of the Kei River.</p> <p>No applications have been made for an access onto this road by your Client.</p> <p>It is a concern of ours as to who will maintain this road when it is damaged.</p> <p>As your client is mining for gain (Profit), the section of road used by HJT Transport should be maintained by them.</p>	EOH CES indicated that HJT Transport is happy to maintain this road and requested details on behalf of HJT Transport of the process to be followed for an “application for access onto this road”.
	Email correspondence	<p>Robert Walton (Assistant Director: Contracts & Technical Services Chris Hani Region: Roads Maintenance):</p> <p>Your client needs to send this office a letter of request for an access, giving position on our road and perhaps the GPS co ords, and we can approve it.</p> <p>With regards to the maintenance of this road, your client must submit a maintenance plan and put it in writing by signing a letter stating they will maintain the road and for how long.</p>	A letter requesting access and confirmation that the road will be maintained was sent to Robert Walton. Refer to section 1.14.

Raised by	Event	Issue / Concern / Comment	Reply /Action
I&AP: Julian Thompson	Email correspondence	Julian Thompson (of Thompson's Transport) requested that he be registered as an I&AP and indicated that he is concerned about the area to be mined.	EOH CES included Julian in the stakeholder database and noted his comment.
Emalahleni Local Municipality	Email correspondence and a meeting with the local municipality	The local municipality indicated that they have no objection to the project, but indicated that they would like to facilitate and be part of future public meetings.	EOH CES and the client met with Emalahleni Local Municipality and provided them with details of the proposed mining activity.
I&AP: Wantu Bugqwangu	Email correspondence	Wantu Bugqwangu requested information on which Village and ward the mining would take place. He also requested that he be registered as an I&AP.	EOH CES sent Wantu the requested information and registered him as an I&AP.
Department of Rural Development and Land Reform (DRDLR)	Email/ telephonic correspondence	Phumza Edi confirmed that there is a land claim on the White Kei River.	EOH CES requested more information about this claim.
	Email/ telephonic correspondence	Siyabonga Ntamesi indicated that DRDLR are unable to provide much information (location – whether or not it affects the current proposed mining area, date lodged, claimant, etc.) about the land claim as this claim has not yet been processed by the Department. Siyabonga indicated that there was a previous claim on land at the White Kei River by the Xonxa community and this claim was resolved. The current claim has been lodged by separate individuals of the Xonxa community.	EOH CES responded via email to DRDLR with confirmation of what was discussed telephonically (section 1.15 above).
Department of Rural Development and Agrarian Reform (DRDAR)	Email correspondence	Patrick Futshane sent a letter to EOH CES stating that the Department views the proposed sand mining as a sustainable venture that will reduce river siltation, increase availability of raw materials for building and construction to both local and regional locations, create job opportunities, improve the living standards of surrounding communities as well as add value to the local economy. He indicated that the department is of the opinion that the proposed project can proceed without limiting the production capacity of the current agricultural activities.	No action.

Raised by	Event	Issue / Concern / Comment	Reply /Action
Public meeting held in the Xonxa community on 12 May 2016			
Mr Mntuyedwa (Emalahleni Local Municipality)	Public meeting	Presented on the purpose of the day, explaining how the meeting came about and why it was being held.	No action.
Ms Nkasela (Emalahleni Local Municipality)		Ms Nkasela reiterated what Mr Mntuyedwa had said.	No action.
Thina Mgweba (EOH CES)		Thina Mgweba explained who the applicant and EOH were and what they do. She presented on the EIA process and requirements as well as how the community can get involved.	No action.
Community member	Public meeting	A member of the community asked how the community is going to know where exactly the prospective mining area is. He also asked whether the applicant needs the community's help to find a suitable site or was it already chosen. He further stated that if it was already chosen, they would like to see it as they can only give informed comments when they know exactly where the site is along the river.	REPLY: EOH CES replied that the site has already been selected and that is the site that is currently being assessed. ACTION: EOH CES to take some of the elders of the village to the exact proposed site (this was done after the meeting).
Headman (P. Mlanjeni)		The headman sought clarity on whether the development would be impacting on the grazing land of the community as that is a concern of his.	ACTION: EOH clarified that the mining will not impact on grazing land as the mining is going to be in the river/ unvegetated river banks.
Cllr Koni		Cllr Koni said that they were happy with the proposed development and have no issues with it. She mentioned that the community would like to go see the area and know exactly where it is as the maps provided may not be very clear to the community.	No action.
Community member		Another member of the community also agreed that they are happy with the proposed sand mining development but they need to go and see where the site is exactly.	ACTION: EOH CES to take some of the elders of the village to the exact proposed site (this was done after the meeting).

Raised by	Event	Issue / Concern / Comment	Reply /Action
Community member		A member of the community stated that the trucks from these developments damage the roads and that they must fix the roads when that happens.	REPLY: Mr Van Tonder of HJT Transport assured the community that the company will grade the roads and that this is also a requirement from the Department of Roads and Public Works.
Community member		Another member of the community stated the he was born in the village and that he knows it very well, he can already confidently say that there are no graves or anything of cultural and heritage significance down near the river.	No action.
Ms Nkasela (Emalahleni Local Municipality)	Public meeting	Ms Nkasela spoke on the way forward stating that the community agrees with the development and is happy to let the EIA process continue and once the applicant receives the permit another meeting must then be held to discuss how the community will benefit. She emphasised to the community that community meetings will be held again once the permit has been received where the agenda will be on the benefits that will accrue to the community.	No action.
Mr Van Tonder (HJT Transport – client)		Mr Van Tonder explained the mining process and why they would like to mine in this area. He further explained that once the community has seen the area and are happy with it and if the Department of Mineral Resources (DMR) approves the mining permit they will then come back and have meetings with the community and Municipality on the methods of remuneration.	ACTION: HJT to schedule meetings through the Municipality, ward councillor and headman if the mining permit gets approved.
Community member		A community member mentioned that he hopes everything is truthful and that the applicant will stick to the agreements that will be made.	No action.
Headman (P. Mlanjeni)		The headman closed off the meeting stating that he is happy with the approach that has been taken by the applicant. He thanked the Municipality, EOH and the community at large mentioning that he hopes everyone will work together.	No action.

APPENDIX 3 IMPACT ASSESSMENT

Impacts associated with the planning and design phase of the proposed sand mine.

ISSUE	DESCRIPTION OF IMPACT	NATURE OF IMPACT	SPATIAL SCALE (EXTENT)	TEMPORAL SCALE (DURATION)	CERTAINTY SCALE (LIKELIHOOD)	SEVERITY / BENEFICIAL SCALE	SIGNIFICANCE PRE-MITIGATION	MITIGATION MEASURE	SIGNIFICANCE POST-MITIGATION
PLANNING & DESIGN PHASE									
<i>GENERAL IMPACTS</i>									
Compliance with relevant environmental legislation and policy	During the planning and design phase failure to comply with existing policies and legal obligations could lead to the project conflicting with local, provincial and national policies, legislation etc. This could result in legal non-compliance, fines, overall project failure or delays in mining activity and undue disturbance to the natural environment.	DIRECT CUMULATIVE	Localised	Long-term	Possible	Severe	HIGH NEGATIVE	<ul style="list-style-type: none"> All relevant legislation and policy must be consulted and the proponent must ensure that the project is compliant with such legislation and policy. These should include (but are not restricted to): MPRDA, NWA, NEMA, Local and District Spatial Development Frameworks, Eastern Cape Biodiversity Conservation Plan (ECBCP), Local Municipal bylaws. 	LOW NEGATIVE
Design of the mine site	During the planning and design phase an inappropriately designed mine site could result in erosion, stormwater issues and unnecessary environmental degradation.	DIRECT	Localised	Long-term	Possible	Slight	LOW NEGATIVE	<ul style="list-style-type: none"> The site must be designed to avoid the river itself as well as the wetland as identified by the aquatic specialist. 	LOW NEGATIVE
Socio-economic	During the planning and design phase, failure to come to an agreement with the relevant land users/surrounding land users of the mining site could lead to dissatisfaction from the local community.	DIRECT CUMULATIVE	Localised	Long-term	Definite	Moderately severe	MODERATE NEGATIVE	<ul style="list-style-type: none"> The proponent must ensure that an agreement is reached (regarding community benefits) between the developer, the current land users (Xonxa community), surrounding Xonxa community and the municipality prior to any mining activity taking place on site. 	LOW NEGATIVE
Loss of wetland vegetation and changes to the bed and bank morphology	During the planning and design phase, incorrect planning may result in the unnecessary loss of vegetation, degradation and disappearance of the beds and banks of the watercourse.	DIRECT CUMULATIVE	Localised	Permanent	Probable	Moderately severe	MODERATE NEGATIVE	<ul style="list-style-type: none"> The wetlands on the Southern bank of the White Kei River must be avoided and mining must occur only on the northern banks. Mining must not take place within the river itself, only when the river channel has receded and dry areas can be mined. 	LOW NEGATIVE

Impacts associated with the operational (mining) phase of the proposed sand mine.

ISSUE	DESCRIPTION OF IMPACT	NATURE OF IMPACT	SPATIAL SCALE (EXTENT)	TEMPORAL SCALE (DURATION)	CERTAINTY SCALE (LIKELIHOOD)	SEVERITY / BENEFICIAL SCALE	SIGNIFICANCE PRE-MITIGATION	MITIGATION MEASURE	SIGNIFICANCE POST-MITIGATION
OPERATION PHASE									
<i>GENERAL IMPACTS</i>									
Compliance with relevant environmental legislation and policy	During the operational (mining) phase failure to comply with existing policies and legal obligations could lead to the project conflicting with local, provincial and national policies, legislation etc. This could result in legal non-compliance, fines, overall project failure or delays in mining activity and undue disturbance to the natural environment.	DIRECT CUMULATIVE	Localised	Long-term	Possible	Severe	HIGH NEGATIVE	<ul style="list-style-type: none"> All relevant legislation and policy must be consulted and the proponent must ensure that the project is compliant with such legislation and policy. These should include (but are not restricted to): MPRDA, NWA, NEMA, Local and District Spatial Development Frameworks, Eastern Cape Biodiversity Conservation Plan (ECBCP), Local Municipal bylaws. 	LOW NEGATIVE
Visual intrusion associated with mining activities	During the operational (mining) phase the mining activities could result in a negative impact on the aesthetic value of the study area and immediate surrounds.	DIRECT CUMULATIVE	Study area	Long-term	Possible	Moderately severe	MODERATE NEGATIVE	<ul style="list-style-type: none"> Mining activities should only take place during normal work hours (7am to 5pm). Mining activities must be limited to the designated area and not encroach into surrounding areas. 	LOW NEGATIVE
Sanitation facilities	During the operational (mining) phase inappropriate siting and servicing of sanitation facilities could result in contamination of surface and ground water.	DIRECT	Localised	Medium-term	Possible	Severe	HIGH NEGATIVE	<ul style="list-style-type: none"> Sanitation facilities must NOT be located within 50m of any water resources or water drainage areas. The facilities must be regularly serviced to reduce the risk of surface or groundwater pollution. 	LOW NEGATIVE
Demarcation of mining site	During the operational (mining) phase encroachment of mining activities onto areas outside the mining footprint could result in unnecessary environmental disturbance.	DIRECT	Localised	Medium-term	Possible	Severe	HIGH NEGATIVE	<ul style="list-style-type: none"> The boundaries of the mining site must be adequately demarcated to restrict mining and other activities. All plant, equipment and other materials must remain within the demarcated boundaries. Ablution facilities must be located at least 50 m away from the banks of the river. 	LOW NEGATIVE
Storm water and erosion	During the operational (mining) phase inadequate stormwater and erosion control could result in soil erosion and impact surface water quality.	DIRECT CUMULATIVE	Localised	Medium-term	Might occur	Slightly severe	LOW NEGATIVE	<ul style="list-style-type: none"> It is unlikely that stormwater will be a major issue with this type of mining activity. Any erosion rills that develop should 	LOW NEGATIVE

ISSUE	DESCRIPTION OF IMPACT	NATURE OF IMPACT	SPATIAL SCALE (EXTENT)	TEMPORAL SCALE (DURATION)	CERTAINTY SCALE (LIKELIHOOD)	SEVERITY / BENEFICIAL SCALE	SIGNIFICANCE PRE-MITIGATION	MITIGATION MEASURE	SIGNIFICANCE POST-MITIGATION
								immediately be scarified and monitored. <ul style="list-style-type: none"> If necessary cross drains/ side drains must be used on the haul road. 	
Spillage of hazardous substances	During the operational (mining) phase spillage of any hazardous substances such as fuel, chemicals, etc. could result in ground and surface water contamination.	DIRECT	Localised	Long-term	Possible	Moderately severe	MODERATE NEGATIVE	<ul style="list-style-type: none"> All oils, fuel and other maintenance equipment and supplies must be stored in a secure area offsite with a compacted surface. Spill kits must be kept on-site and maintained. All hazardous material must be stored more than 50m away from any water course. Vehicles must be maintained to an acceptable standard to prevent any fuel, oil or lubricant leaks etc). 	LOW NEGATIVE
Dust control	During the operational (mining) phase dust (generated from mining activities and from vehicles traveling on dirt roads) could be a nuisance during windy conditions.	DIRECT	Study area	Long-term	Possible	Moderately severe	MODERATE NEGATIVE	<ul style="list-style-type: none"> Mining activities should only take place during agreed working times and permitting weather conditions to avoid drifting of sand and dust into neighbouring areas. A speed limit of 30km/h must not be exceeded on dirt roads. Any complaints or claims emanating from dust issues must be attended to immediately. During windy periods un-surfaced and un-vegetated areas should be dampened down if necessary. 	LOW NEGATIVE
Noise	During the operational (mining) phase mining activities and movement of heavy vehicles could result in an increase in ambient noise levels on site and on surrounding properties.	DIRECT	Study area	Long-term	Probable	Moderately severe	MODERATE NEGATIVE	<ul style="list-style-type: none"> Movement of heavy machinery should be limited to normal working hours (7 AM to 5 PM). Ensure there is a facility for nearby residents to make complaints. These must be addressed and recorded. 	LOW NEGATIVE
Waste management	During operation (mining) littering on site may attract vermin, detract from the visual appeal of the area and pollute the surrounding areas.	DIRECT	Localised	Medium-term	Possible	Moderately severe	MODERATE NEGATIVE	<ul style="list-style-type: none"> Sufficient waste containers must be available. No waste must be buried or burned on site. 	LOW NEGATIVE

ISSUE	DESCRIPTION OF IMPACT	NATURE OF IMPACT	SPATIAL SCALE (EXTENT)	TEMPORAL SCALE (DURATION)	CERTAINTY SCALE (LIKELIHOOD)	SEVERITY / BENEFICIAL SCALE	SIGNIFICANCE PRE-MITIGATION	MITIGATION MEASURE	SIGNIFICANCE POST-MITIGATION
								<ul style="list-style-type: none"> Waste must be collected on a regular basis and disposed of at a licensed landfill site. 	
Socio-economic	During the operational phase jobs will be created which will benefit the local workforce.	DIRECT	Study area	Long-term	Probable	Moderately beneficial	SOME BENEFITS	<ul style="list-style-type: none"> No mitigation 	SOME BENEFITS
<i>AQUATIC IMPACTS</i>									
Changes to water quality and bed and bank morphology	During the operational (mining) phase mining activities may affect the existing water quality of the White Kei River and change the bed and bank morphology of the river.	DIRECT	Localised	Permanent	Possible	Moderately severe	MODERATE NEGATIVE	<ul style="list-style-type: none"> The wetlands on the southern bank must be avoided and mining should occur in the channel (when dry) and on the northern banks. Littering and contamination of water sources during mining must be prevented at all times. Emergency plans (and spill kits etc.) must be in place in case of spillages of diesel and hydraulic fluids. All stockpiles must be protected from erosion, stored on flat areas where run-off will be minimised. Any necessary ablution facilities must be beyond the 32m buffer described previously. The proposed access road footprint should be kept as small as possible and be provided with suitable stormwater management features (if necessary), that will prevent additional erosion within the terrestrial as well as aquatic habitats. 	LOW NEGATIVE

Impacts associated with the decommissioning/closure phase of the proposed sand mine.

ISSUE	DESCRIPTION OF IMPACT	NATURE OF IMPACT	SPATIAL SCALE (EXTENT)	TEMPORAL SCALE (DURATION)	CERTAINTY SCALE (LIKELIHOOD)	SEVERITY / BENEFICIAL SCALE	SIGNIFICANCE PRE-MITIGATION	MITIGATION MEASURE	SIGNIFICANCE POST-MITIGATION
DECOMMISSIONING PHASE									
<i>GENERAL IMPACTS</i>									
Final rehabilitation and decommissioning	During the decommissioning phase failure to decommission and rehabilitate the mining site properly could result in soil erosion, storm water issues, safety risks and invasion of alien plant species.	DIRECT	Localised	Long-term	Possible	Severe	HIGH NEGATIVE	<ul style="list-style-type: none"> Any remaining sand stockpiles must be removed or levelled. Site clean-up must be done. Waste material of any description, including receptacles, scrap, rubble and tyres, will be removed entirely from the mining area and disposed of at a registered landfill site. It will not be permitted to be buried or burned on the site. Mined out areas must be stabilised and profiled if necessary. The post rehabilitation topography should result in the same slope as prior to mining. Weeds/alien plants growing on site must be manually removed and deposited at a registered landfill site. All equipment and other items used during the mining period must be removed from site. At closure the internal haul road must be left in a good and non-eroded state (as it was prior to mining activities). Rehabilitation must be completed in such a manner that the land can be optimally used post-mining. Final rehabilitation shall be completed within a period specified by the Regional Manager. 	LOW NEGATIVE
Closure	During the decommissioning phase failure to comply with the closure requirements could result in unnecessary environmental degradation and failure to obtain a closure certificate from DMR.	DIRECT	Localised	Long-term	Possible	Severe	HIGH NEGATIVE	<ul style="list-style-type: none"> Closure must comply with the MPRDA (Act 28 of 2002), NEMA (Act 107 of 1998) and the NEMA Regulations (2014) requirements for mine 	LOW NEGATIVE

ISSUE	DESCRIPTION OF IMPACT	NATURE OF IMPACT	SPATIAL SCALE (EXTENT)	TEMPORAL SCALE (DURATION)	CERTAINTY SCALE (LIKELIHOOD)	SEVERITY / BENEFICIAL SCALE	SIGNIFICANCE PRE-MITIGATION	MITIGATION MEASURE	SIGNIFICANCE POST-MITIGATION
								closure. <ul style="list-style-type: none"> The closed site must pose no safety risks. A closure plan must be compiled using the guidelines described in Appendix 5 of the NEMA Regulations (2014) and submitted to DMR. A closure certificate must be obtained from the Minister of Mineral Resources. 	

No-go impacts associated with the proposed sand mine.

ISSUE	DESCRIPTION OF IMPACT	NATURE OF IMPACT	SPATIAL SCALE (EXTENT)	TEMPORAL SCALE (DURATION)	CERTAINTY SCALE (LIKELIHOOD)	SEVERITY / BENEFICIAL SCALE	SIGNIFICANCE PRE-MITIGATION	MITIGATION MEASURE	SIGNIFICANCE POST-MITIGATION
<i>NO-GO</i>									
Socio-economic benefits	If the project does not proceed then there will be a lack of job creation and socio-economic benefit in the study area.	INDIRECT CUMULATIVE	Study Area	Long-term	Definite	Moderately severe	MODERATE NEGATIVE	<ul style="list-style-type: none"> No mitigation 	MODERATE NEGATIVE
Environmental degradation	If the project does not proceed then there will be a lower risk of potential environmental impacts (water pollution, soil erosion, etc.) from the sand mining activities.	DIRECT	Study Area	Long-term	Possible	Moderately beneficial	SOME BENEFITS	<ul style="list-style-type: none"> No mitigation 	SOME BENEFITS

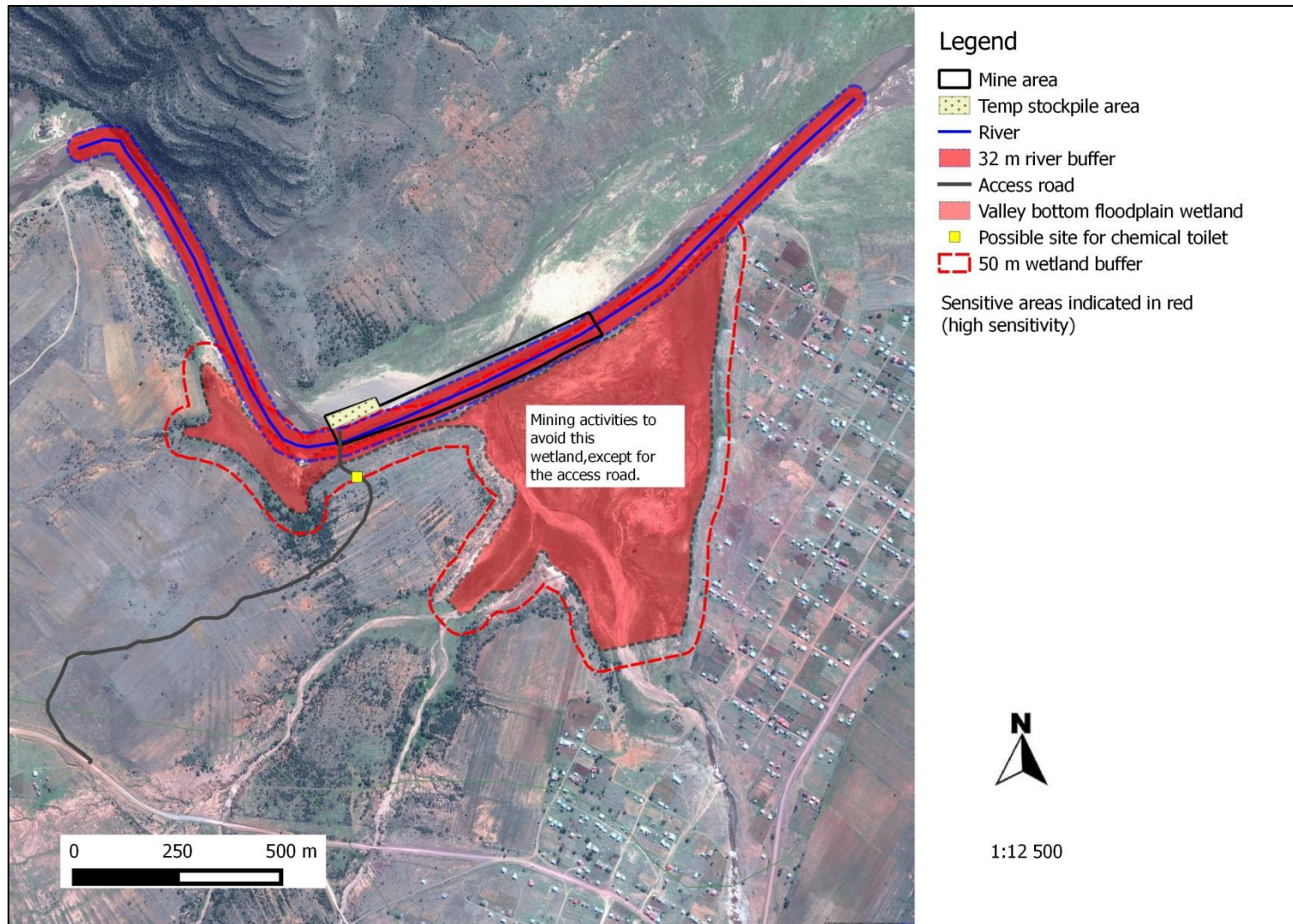
APPENDIX 4 QUANTUM CALCULATION FOR REHABILITATION

CALCULATION OF THE QUANTUM

No	Description	Unit	A Quantity	B Master rate	C Multiplication factor	D Weighting factor	E=A*B*C*D Amount
1	Dismantling of processing plant and related structures	m ³					R0.00
2(A)	Demolition of steel buildings and structure	m ²					R0.00
2(B)	Demolition of reinforced concrete buildings and structures	m ²					R0.00
3	Rehabilitation of access roads	m ²					R0.00
4(A)	Demolition and rehabilitation of electrified railway lines						R0.00
4(B)	Demolition and rehabilitation of non-electrified railway lines	m					R0.00
5	Demolition of housing and/or administration facilities	m ²					R0.00
6	Opencast rehabilitation including final voids and ramps	ha	4.9	R96 700.00	0.04	1	R18 953.20
7	Sealing of shafts, adits and inclines	m ³					R0.00
8(A)	Rehabilitation of overburden and spoils	ha					R0.00
8(B)	Rehabilitation of processing waste deposits and evaporation ponds (salts)	ha					R0.00
8(C)	Rehabilitation of processing waste deposits and evaporation ponds (acidic, metal-rich waste)	ha					R0.00
9	Rehabilitation of subsided areas	ha					R0.00
10	General surface rehabilitation	ha	0.2	R52 600.00	1	1	R10 520.00
11	River diversions	ha					R0.00
12	Fencing	m					R0.00
13	Water management	ha	0	R20 000.00	0.17	1	R0.00
14	2 to 3 years of maintenance and aftercare	ha	0	R700.00	1	1	R0.00

15(A)	Specialist study	sum		
15(B)	Specialist study	sum		
			SUBTOTAL 1	R29 473.20
1	Weighting factor 2	(0%, 5% or 10%)		R 1 473.66
2	Preliminary and General	12,5% of subtotal 1		R3 684.15
3	Administration and supervision costs	6,0% of subtotal 1		R1 768.39
4	Engineering drawings and specifications	2,0% of subtotal 1		R589.46
5	Engineering and procurement of specialist work	2,5% of subtotal 1		R736.83
6	Development of closure plan	2,5% of subtotal 1		R736.83
7	Final groundwater modelling**	2,5% of subtotal 1		
8	Contingency	10,0% of subtotal 1		R2 947.32
			SUBTOTAL 2	R11 936.65
			VAT (14%)	R5 797.38
			GRAND TOTAL (SUBTOTAL 1 + SUBTOTAL 2 + VAT)	R47 207.22

APPENDIX 5 FINAL LAYOUT MAP



Sensitivity map illustrating the sensitive areas in the vicinity of the mining area. The artificial floodplain wetland on the southern bank must be avoided (except where the road crosses this wetland). The surrounding river banks and river channel (that do not fall within the mining footprint) must be avoided.

APPENDIX 6 CURRICULUM VITAE OF EAP

APPENDIX 7 SPECIALIST STUDIES

APPENDIX 8 FINANCIAL

APPENDIX 9 PHOTOGRAPHS







A view of the proposed mining area, showing the accumulation of sediment within the main channel and banks (photograph taken March 2016).



The surrounding floodplains and catchment areas are highly degraded due to overgrazing, resulting in erosion and donga formation.



Access road to site.



Access road.