

Project Reference: 710.12015.00001

File Ref. 2012-08-20 DENC cover letter

20 September 2012

Department of Environment and Nature Conservation  
Sasko Building  
90 Long Street  
Kimberley  
8301

**ATTENTION: DENE0 MOLEKO**

**APPLICATION FORM FOR AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL  
MANAGEMENT ACT, 1998 (ACT NO. 107 OF 1998), AS AMENDED AND THE ENVIRONMENTAL  
IMPACT ASSESSMENT REGULATIONS, 2010**

Dear Deneo Moleko

Lehating Mining (Pty) Ltd (Lehating) proposes to develop a new underground manganese mining operation near Black Rock in the Joe Morolong Local Municipality, located in the John Taolo Gaetsewe District Municipality, Northern Cape Province.

SLR Consulting (Africa) (Pty) Ltd (SLR) is an independent firm of consultants that has been appointed by Lehating to undertake the environmental impact assessment (EIA) process that is associated with the abovementioned proposed activities. Accordingly, please find enclosed a completed application form to conduct an environmental impact assessment in terms of the National Environmental Management Act, 1998 (Act no. 107 of 1998) as amended and in terms of the Regulations published in Government Notices R.544, R.545, and R.546 in Government Gazette No.33306 of 18 June 2010, as well as the required declaration of independence.

Please confirm receipt of this application either telephonically or via email.

Yours faithfully



**Victoria Tucker**

Project manager

E-mail: vtucker@slrconsulting.com



**Brandon Stobart (EAPSA)**

Reviewer

For SLR Consulting (Africa) (Pty) Ltd

SLR Consulting (Africa) (Proprietary) Limited

[www.slrconsulting.com](http://www.slrconsulting.com)

Registered Address: Unit 7 Fourways Manor Office Park, 1 Macbeth Avenue, Fourways, 2055  
Postal address: PO Box 1596, Cramerville, 2060, South Africa  
Reg. No.: 1998/005179/07 VAT No.: 4300145887

Fourways Office: Physical address: Unit 7 Fourways Manor Office Park, 1 Macbeth Ave. Fourways / Postal address: P O Box 1596, Cramerville, 2060 / T: +27 11 467 0945 / F: +27 11 467 0978  
Pretoria Office: Physical address: Pentagon House, 669 Piettenberg Road, Faerie Glen, Pretoria / Postal address: P O Box 40161, Faerie Glen, 0048 / T: +27 12 981 8881 / F: +27 12 991 1907  
Durban Office: Physical address: 130 Pharos House, 70 Buckingham Terrace, Westville, Durban / Postal address: P O Box 641, Westville, 3630 / T: +27 31 266 3083 / F: +27 86 600 5186

**SABS**  
ISO 9001

Directors: (Executive): A James, B Stobart, S Dorman, S van Niekerk, (Non-Executive): A Sheppard, K Pietersen.

 **CESA**  
CHARTERED ENVIRONMENTAL SURVEILLANCE ASSOCIATION



**APPLICATION FORM FOR AUTHORIZATION  
in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998),  
as amended and the Environmental Impact Assessment Regulations, 2010**

File Reference Number:  
NEAS Reference Number:  
Date Received:

(For official use only)


Kindly note that:

1. This application form is current as of 02 August 2010.
2. The application must be typed within the spaces provided in the form. The sizes of the spaces provided are not necessarily indicative of the amount of information to be provided. It is in the form of a table that can extend itself as each space is filled with typing.
3. Where applicable **black out** the boxes that are not applicable in the form.
4. Incomplete applications may be returned to the applicant for revision.
5. The use of "not applicable" in the form must be done with circumspection as if it is used in respect of material information that is required by the competent authority for assessing the application, and may result in the rejection of the application as provided for in the regulations.
6. This application must be handed in at the offices of the Northern Cape Department of Environment and Nature Conservation.
7. No faxed or e-mailed applications will be accepted.
8. The application must be completed by an independent environmental practitioner.
9. Unless protected by law, all information filled in on this application will become public information on receipt by the competent authority. Any interested and affected party should be provided with the information contained in this application on request, during any stage of the application process.

**SITE IDENTIFICATION AND LINKAGE**

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

T	O	0	0	0	0	0	0	0	0	0	0	0	0	7	4	1	0	0	0	1
T	O	0	0	0	0	0	0	0	0	0	0	0	0	2	2	7	0	0	0	2

If there are more than 10, please attach a list with the rest of the number  
(These numbers will be used to link various different applications, authorisations, permits etc. that may be connected to a specific site)

## 1. BACKGROUND INFORMATION

Project applicant:	Lehating Mining (PTY) LTD		
Trading name (if any):			
Business reg. no./ID. no.:	2006/032350/07		
Contact person:	Nico Hager		
Physical address:	4 <sup>th</sup> Floor, Block A, Pivot House, Monte Casino Boulevard, Magaliessig, Johannesburg		
Postal address:	12 Kareekraal Avenue, Eldoraigne Ext 3		
Postal code:	0157	Cell:	083 453 6621
Telephone:	010 591 3233	Fax:	086 235 6215
E-mail:	nhager@lehating.com		

Project consultant/firm:	SLR Consulting (Africa) (PTY) LTD		
Business reg. no./ID. no.:	1998/05179/07		
Contact person:	Victoria Tucker		
Postal address:	PO Box 1596, Cramerview		
Postal code:	2060	Cell:	083 533 3576
Telephone:	011 467 0945	Fax:	011 467 0978
E-mail:	vtucker@slrconsulting.com		
Qualifications:	SLR has eighteen (18) years of experience in EIAs in the mining sector		

Landowner:	Terra Nominees (PTY) LTD		
Business reg. no./ID. no.:	1962/000439/07		
Contact person:	Dineo Peta		
Postal address:	PO Box 61820, Marshalltown		
Postal code:	2107	Cell:	
Telephone:	011 376 2627	Fax:	011 376 2323
E-mail:	dineo.peta@bhpbilliton.com		

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

District Municipality	John Taolo Gaetsewe District Municipality		
Local authority in whose jurisdiction the proposed activity will fall:	Joe Morolong Local Municipality		
Contact person:	Seneo Seleka (Environmental Manager)		
Postal address:	Private Bag X117, Mothibistad		
Postal code:	8474	Cell:	
Telephone:	053 773 9300	Fax:	053 773 9350
E-mail:	sseleka@webmail.co.za		

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

Project title:	Environmental Impact Assessment And Environmental Management Programme For The Proposed Lehating Manganese Mine Near Hotazel
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Brief project description	Lehating Mining (Pty) Ltd proposes to establish a new manganese mining operation on the farm Lehating 741. The project will involve the underground mining, crushing, screening and transport of manganese ore as well as other supportive infrastructure and services.
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Project Location:	Mining and related activities will take place on portion 1 of the farm Lehating 741. Access to the mine will be through portion 2 of the farm Wessels 227. (Farm name, portion etc.) Where a large number of properties are involved (e.g. linear activities), please attach a full list to this application.
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Closest Town(s) or district(s):		Distance (in km):	
	Hotazel	20 KM	South-East
	Kuruman	70 KM	South-East
	Kathu	73 KM	South

Physical address:	In instances where there is more than one town or district involved, please attach a list of towns or districts to this application.
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**Current land-use zoning:** **Agricultural Related**

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

**Coordinates:**

Latitude:	„27,°	„02,°	„33.42.°	South
Longitude:	„22,°	„51,°	„25.31.°	East

**Property size:** **Lehating 741 P1: 2002HA Wessels 227 P2: 1356HA**

**Is a change of land-use or a consent use application required?** **YES**

**Must a building plan be submitted to the local authority?** **YES**

**Locality map:** A locality map must be attached to back of this document, as Appendix A. The scale of the locality map must be at least 1:50 000. The scale must be indicated on the map. The map must indicate the following:

- an accurate indication of the project site position as well as the positions of the alternative sites, if any;
- road access from all major roads in the area;
- road names or numbers of all major roads as well as the roads that provide access to the site(s);
- all roads within a 1km radius of the site or alternative sites; and
- a north arrow.

## 2. ACTIVITIES APPLIED FOR

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

Indicate the number and date of the relevant notice:	Activity No (s) (in terms of the relevant or notice) :	Describe each listed activity:
<b>R.544 of 2010</b>	<b>1</b>	<b>The construction of facilities or infrastructure for the generation of electricity where:</b> <b>(i) the electricity output is more than 10 megawatts but less than 20 megawatts; or</b>
	<b>10</b>	<b>The construction of facilities or infrastructure for the transmission and distribution of electricity -</b> <b>(i) outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts; or</b>
	<b>11</b>	<b>The construction of:</b> <b>(iii) bridges</b> <b>Where such construction occurs within a watercourse or within 32 meters of a watercourse, measured from the edge of a watercourse, excluding where such construction will occur behind the development setback line.</b>
	<b>12</b>	<b>The construction of facilities or infrastructure for the off-stream storage of water, including dams and reservoirs, with a combined capacity of 50000 cubic metres or more, unless such storage falls within the ambit of activity 19 of Notice R.545 of 2010;</b>
	<b>13</b>	<b>The construction of facilities or infrastructure for the storage, and handling, of a dangerous good, where such storage occurs in containers with a combined capacity of 80 but not exceeding 500 cubic meters.</b>
	<b>18</b>	<b>The infilling or depositing of any material of more than 5 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 5 cubic metres from:</b> <b>(i) a watercourse;</b> <b>(ii) the sea;</b> <b>(iii) the seashore;</b> <b>(iv) the littoral active zone, an estuary or a distance of 100 metres inland of the high-water mark of the sea or an estuary, whichever distance is the greater- but excluding where such infilling, depositing, dredging, excavation, removal or moving;</b> <b>(a) is for maintenance purposes undertaken in accordance with a management plan agreed to by the relevant</b>

		environmental authority; or (b) occurs behind the development setback line.
	22	The construction of a road, outside urban areas, (i) with a reserve wider than 13.5 meters or, (ii) where no reserve exists where the road is wider than 8 meters.
	26	Any process or activity identified in terms of Section 53(1) of the National Environmental Management: Biodiversity Act, 2004 (Act No. 10 of 2004).
R.545 of 2010	5	The construction of facilities or infrastructure for any process or activity which requires a permit or license in terms of national or provincial legislation governing the generation or release of emissions, pollution or effluent and which is not identified in Notice No. R.544 of 2010 or included in the list of waste management activities published in terms of section 19 of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) in which case that Act will apply
	15	Physical alteration of undeveloped vacant or derelict land for residential retail, commercial, recreate; except where such physical alteration takes place for: (i) linear development activities; or (ii) agricultural or afforestation where activity 16 in this schedule (R.545) will apply.
	19	The construction of a dam, where the highest part of the dam wall, as measured from the outside toe of the wall to the highest part of the wall, is 5 meters or higher or where the high-water mark of the dam covers an area of 10 hectares or more.
R.546 of 2010	2	The construction of reservoirs for bulk water supply with a capacity of more than 250 cubic meters; (a) in the Northern cape Province; (iii) Outside urban areas, in: (bb) Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority;
	3	The construction of masts or towers of any material or type used for telecommunication broadcasting or radio transmission purpose; (a) in the Northern cape Province; (ii) Outside urban areas, in: (cc) Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority;
	4	The construction of a road wider than 4 meters with a reserve less than 13,5 meters; (a) in the Northern cape Province; (ii) Outside urban areas, in: (cc) Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority;
	9	The construction of above ground cableways and funiculars; (a) in the Northern cape Province; (ii) Outside urban areas.
	10	The construction of facilities or infrastructure for the storage, or storage and handling of a dangerous good, where such storage occurs in container with a combined capacity of 30 but not exceeding 80 cubic metres. (a) In Eastern Cape, Free State, KwaZulu-Natal, Limpopo, Mpumalanga and Northern Cape provinces: (ii) Outside urban areas. (cc) Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority;
	14	The clearance of an area of 5 hectares or more of vegetation where 75% or more of the vegetation cover constitutes indigenous vegetation; (a) in the Northern Cape Province;

		(i) All areas outside urban areas.
	16	<p>The construction of:</p> <p>(iv) infrastructure covering 10 square metres in size or more where such construction occurs within a watercourse or within 32 metres of a watercourse, measured from the edge of a watercourse, excluding where such construction will occur behind the development setback line.</p> <p>(a) in the Northern Cape Province;</p> <p>(ii) Outside urban areas.</p> <p>(dd) Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority</p>

Please note that any authorisation that may result out of this application will only cover activities applied for. Omissions may render any authorisation that is based on incomplete information to be nil and void.

### 3. OTHER AUTHORISATION REQUIRED

3.1 Do you need any Authorisation in terms of any of the following laws?

3.1.1	National Environmental Management Act: Waste Act	Possibly
3.1.2	National Environmental Management Act : Air Quality Act	No
3.1.3	National Environmental Management Act : Protected Areas	No
3.1.4	National Environmental Management Act : Biodiversity Act	Yes
3.1.5	Mineral Petroleum Development Resources Act	Yes
3.1.6	National Water Act	Yes
3.1.7	National Heritage Resource Act	Possibly
3.1.8	National Forests Act	Yes

3.2 Have such applications been lodged already?

No

### 4. TYPE OF APPLICATION

4.1. Application for Basic Assessment (BA)

Is this an application for conducting a basic assessment (as defined in the regulations)?

No

If, YES, is a basic assessment report attached?

If, NO, please indicate when the basic assessment report will be submitted:

4.2. Application for Scoping and Environmental Impact Assessment (EIA)

Is this an application for Scoping and EIA (as defined in the regulations)?

Yes No

If, YES, is a Scoping Report and Plan of Study for EIA attached?

If, NO, please indicate when the Scoping Report and Plan of Study for EIA will be submitted:

It is anticipated that a draft scoping report will be submitted during the third to fourth quarter of 2012.

The scoping report and/or the plan of study for EIA will be submitted after consultation with the competent authority:

Yes

A consultation with the competent authority is hereby requested:

Yes

## 5. Declarations

### 5.1 The Applicant

I, NICO HAGER I, declare that I -

- am, or represent<sup>1</sup>, the applicant in this application;
- have appointed / will appoint (delete that which is not applicable) an environmental assessment practitioner to act as the independent environmental assessment practitioner for this application / will obtain exemption from the requirement to obtain an environmental assessment practitioner<sup>2</sup>;
- will provide the environmental assessment practitioner and the competent authority with access to all information at my disposal that is relevant to the application;
- will be responsible for the costs incurred in complying with the Environmental Impact Assessment Regulations, 2010, including but not limited to –
  - costs incurred in connection with the appointment of the environmental assessment practitioner or any person contracted by the environmental assessment practitioner;
  - costs incurred in respect of the undertaking of any process required in terms of the Regulations;
  - costs in respect of any fee prescribed by the Minister or MEC in respect of the Regulations;
  - costs in respect of specialist reviews, if the competent authority decides to recover costs; and
  - the provision of security to ensure compliance with conditions attached to an environmental authorisation, should it be required by the competent authority;
- will ensure that the environmental assessment practitioner is competent to comply with the requirements of these Regulations and will take reasonable steps to verify whether the EAP complies with the Regulations;
- will inform all registered interested and affected parties of any suspension of the application as well as of any decisions taken by the competent authority in this regard;
- am responsible for complying with the conditions of any environmental authorisation issued by the competent authority;
- hereby indemnify the Government of the Republic, the competent authority and all its officers, agents and employees, from any liability arising out of the content of any report, any procedure or any action which the applicant or environmental assessment practitioner is responsible for in terms of these Regulations;
- will not hold the competent authority responsible for any costs that may be incurred by the applicant in proceeding with an activity prior to obtaining an environmental authorisation or prior to an appeal being decided in terms of these Regulations;
- will perform all other obligations as expected from an applicant in terms of the Regulations;
- all the particulars furnished by me in this form are true and correct; and
- I realise that a false declaration is an offence in terms of regulation 71 and is punishable in terms of section 24F of the Act.

  
Signature of the applicant / Signature on behalf of the applicant:

LEHATING MINING (PTY) LTD

Name of company (if applicable):

20 September 2012

Date

<sup>1</sup> If this is signed on behalf of the applicant, proof of such authority from the applicant must be attached.

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

<sup>3</sup> If the applicant is a juristic person, a signature on behalf of the applicant is required as well as proof of such authority.



Signature of the Commissioner of Oaths:

Date:

Designation:

Official stamp (below):

**BRANDON IAN STOBART  
EX OFFICIO  
COMMISSIONER OF OATHS  
NON-PRACTISING ATTORNEY  
REPUBLIC OF SOUTH AFRICA  
UNIT 7, FOURWAYS MANOR OFFICE PARK  
FOURWAYS**

5.2 The Environmental Assessment Practitioner

I, Victoria Tucker declare that --

- I act as the independent environmental practitioner in this application
- I act independently
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant
- I declare that there are no circumstances that may compromise my objectivity in performing such work;
- I have expertise in conducting environmental impact assessments, including knowledge of the Act, regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, regulations and all other applicable legislation;
- I will take into account, to the extent possible, the matters listed in regulation 8 of the regulations when preparing the application and any report relating to the application;
- I have no, and will not engage in, conflicting interests in the undertaking of the activity;
- I undertake to disclose to the applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing - any decision to be taken with respect to the application by the competent authority; and - the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority;
- I will ensure that information containing all relevant facts in respect of the application is distributed or made available to interested and affected parties and the public and that participation by interested and affected parties is facilitated in such a manner that all interested and affected parties will be provided with a reasonable opportunity to participate and to provide comments on documents that are produced to support the application;

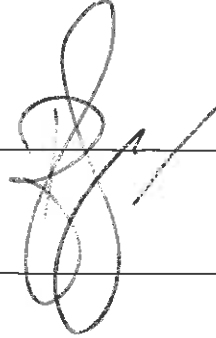
Signature of the environmental assessment practitioner:

Name of company: SLE Consulting (Africa) (Pty) Ltd

Date: 20 September 2012



Signature of the Commissioner of Oaths:



Date:

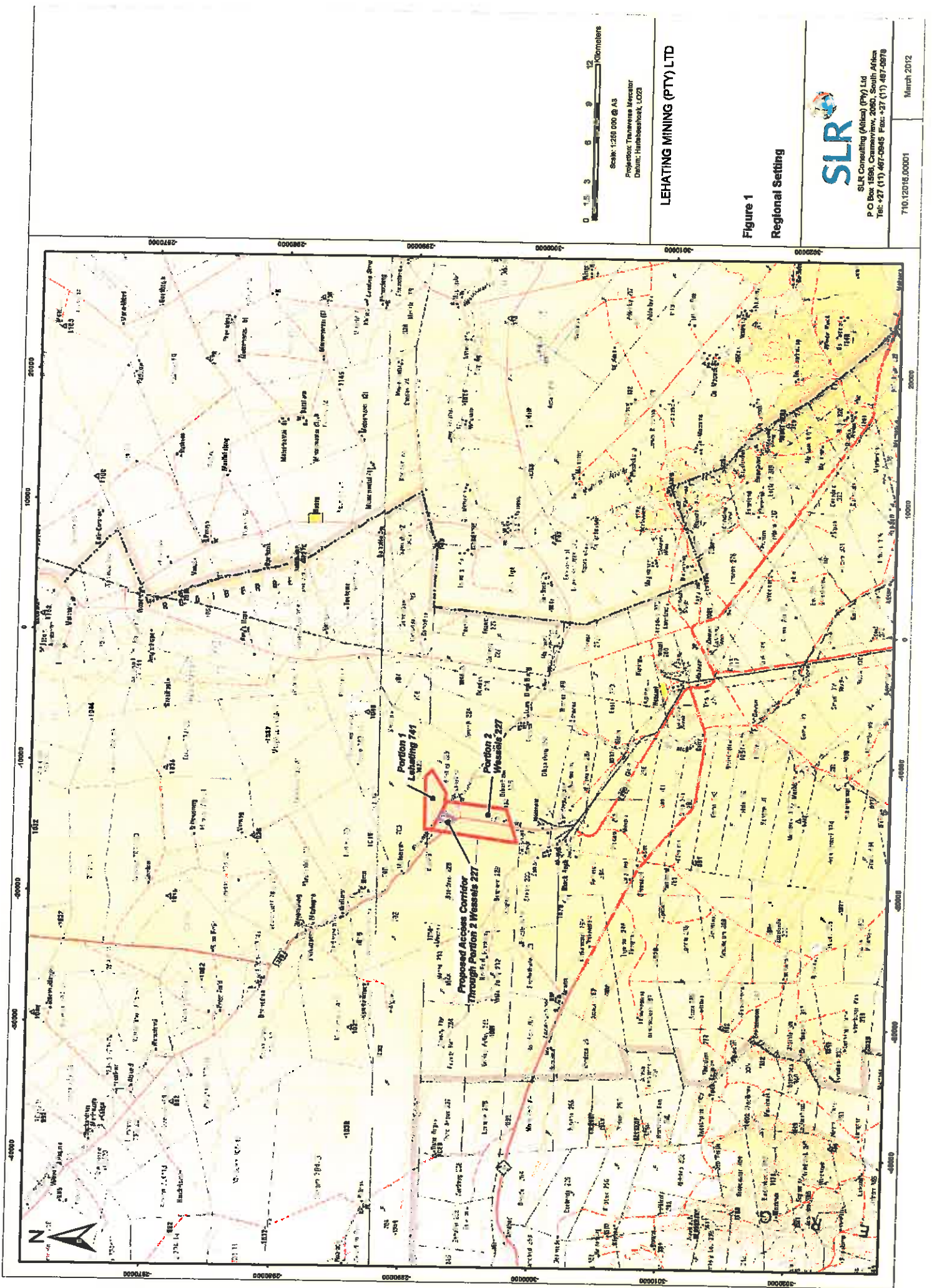
20 September 2012

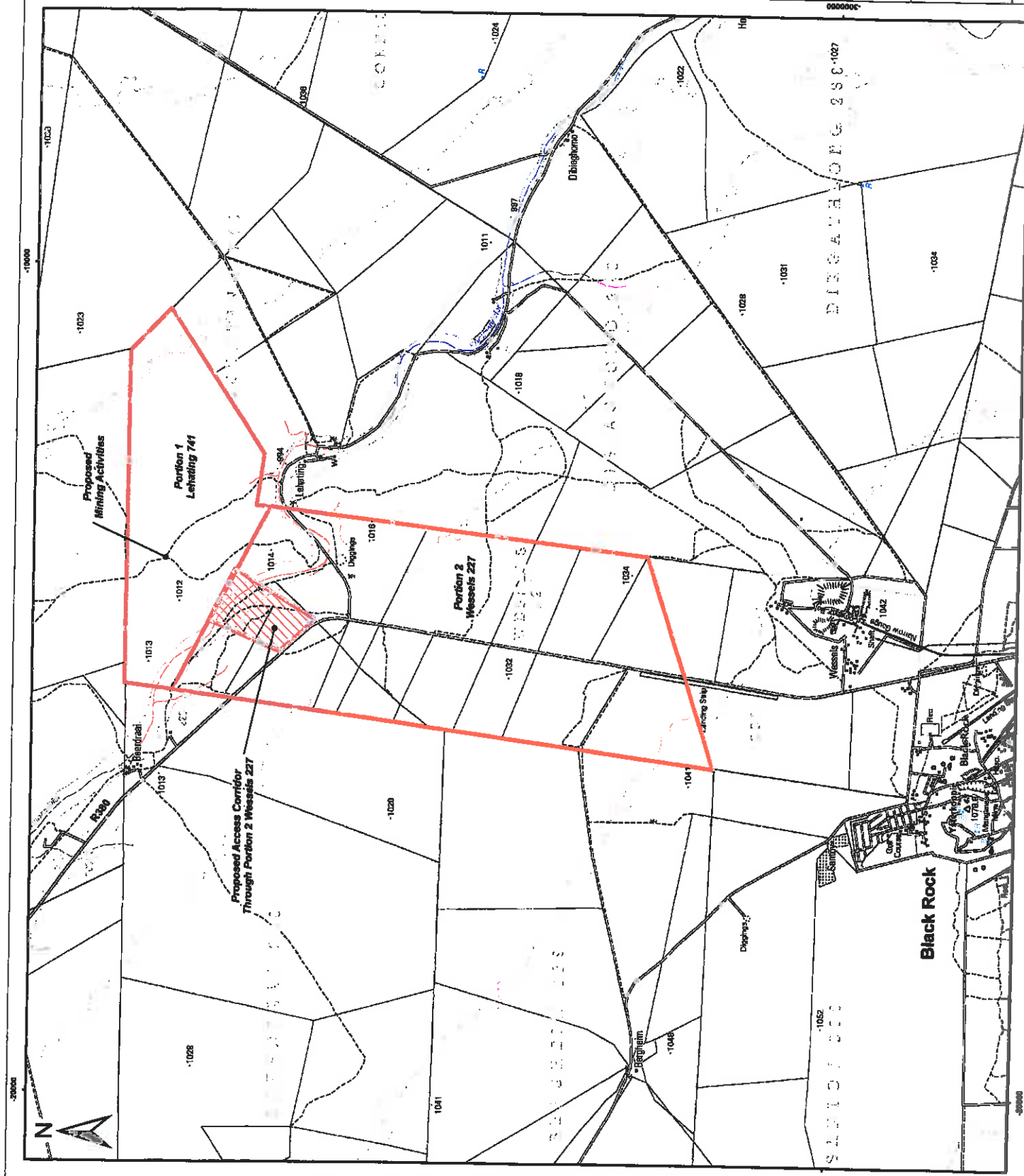
Designation:

Official stamp (below):

**BRANDON IAN STOBART  
EX OFFICIO  
COMMISSIONER OF OATHS  
NON-PRACTISING ATTORNEY  
REPUBLIC OF SOUTH AFRICA  
UNIT 7, FOURWAYS MANOR OFFICE BUILDING  
FOURWAYS**

## **APPENDIX A: LOCATION MAP**





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Scale: 1:45000 @ A3  
 Projection: Transverse Mercator  
 Datum: Helmert/Lehmann, 1923

LEHATING MINING (PTY) LTD

**Figure 2**  
**Local Setting**



SLR Consulting (Africa) (Pty) Ltd  
 P O Box 1585, Craemerew, 2000, South Africa  
 Tel: +27 (11) 487-9988 Fax: +27 (11) 487-9978

710,12015,00001

March 2012

## APPENDIX B: LANDOWNER DETAILS

### PORITION 1 OF LEHATING 741

Landowner:	Terra Nominees (PTY) LTD		
Business reg. no./ID. no.:	1962/000439/07		
Contact person:	Dineo Peta		
Postal address:	PO Box 61820, Marshalltown		
Postal code:	2107	Cell:	
Telephone:	011 376 2627	Fax:	011 376 2323
E-mail:	dineo.peta@bhpbilliton.com		

### PORITION 2 OF WESSELS 227

Landowner:	Ntsimbintle Mining (PTY) LTD		
Business reg. no./ID. no.:	2004/003269/07		
Contact person:	Jeff Leader		
Postal address:	PO Box 2908, Kathu		
Postal code:	8446	Cell:	
Telephone:	053 723 1024	Fax:	053 773 9350
E-mail:	jeff@tshipi.co.za		



# LEHATING MINING (PTY) LTD

## BACKGROUND INFORMATION ON THE ENVIRONMENTAL ASSESSMENT FOR A NEW UNDERGROUND MANGANESE MINING OPERATION ON THE FARM LEHATING 741

August 2012

### INTRODUCTION

Lehating Mining (Pty) Ltd (Lehating), proposes to establish a new manganese mining project. The proposed mining project will consist of underground mining, crushing and screening, stockpiling, a tailings disposal facility, as well as various support infrastructure and services including the transportation of the product via road. The proposed mining operations will be located on Portion 1 of the farm Lehating 741 in the John Taolo Gaetsewe District Municipality of the Northern Cape Province (Figure 1). Access to the project area will be through Portion 2 of the farm Wessels 227.

SLR Consulting (Africa) (Pty) Ltd (SLR), an independent firm of environmental consultants, has been appointed by Lehating to manage the environmental assessment process.

### ENVIRONMENTAL APPROVAL

Prior to the commencement of the proposed project an environmental assessment process including: a scoping phase, environmental impact assessment (EIA) phase and an environmental management programme (EMP) must be conducted in terms of both the Mineral and Petroleum Resources Development Act, 28 of 2002 and the National Environmental Management Act (NEMA), 107 of 1998. Both laws apply because the proposed project is a mine and it incorporates a number of listed/identified activities from Regulations R.544, R.545 and R.546 promulgated in terms of NEMA. Aspects of the project will also require authorisation in terms of the National Water Act (NWA), 36 of 1998, amongst others.

#### PURPOSE OF THIS DOCUMENT

This document has been prepared by SLR to inform you:

- about the proposed project;
- about the environmental assessment process to be followed;
- of possible environmental impacts; and
- of how you can have input into the environmental assessment process.

#### YOUR ROLE

Public involvement is an essential part of the environmental assessment process.

You have been identified as an interested and affected party (IAP) who may want to be informed about the proposed project and have input into the environmental assessment process.

All comments will be recorded and presented to the project team. You will receive feedback on how your comments have been taken into account and the outcome of the assessment.

#### HOW TO RESPOND

Responses to this document can be submitted by means of the attached comments sheet or through communication with the person listed below.

If you would like your comments to be included in the scoping report to be submitted to the relevant authorities please submit them to SLR by

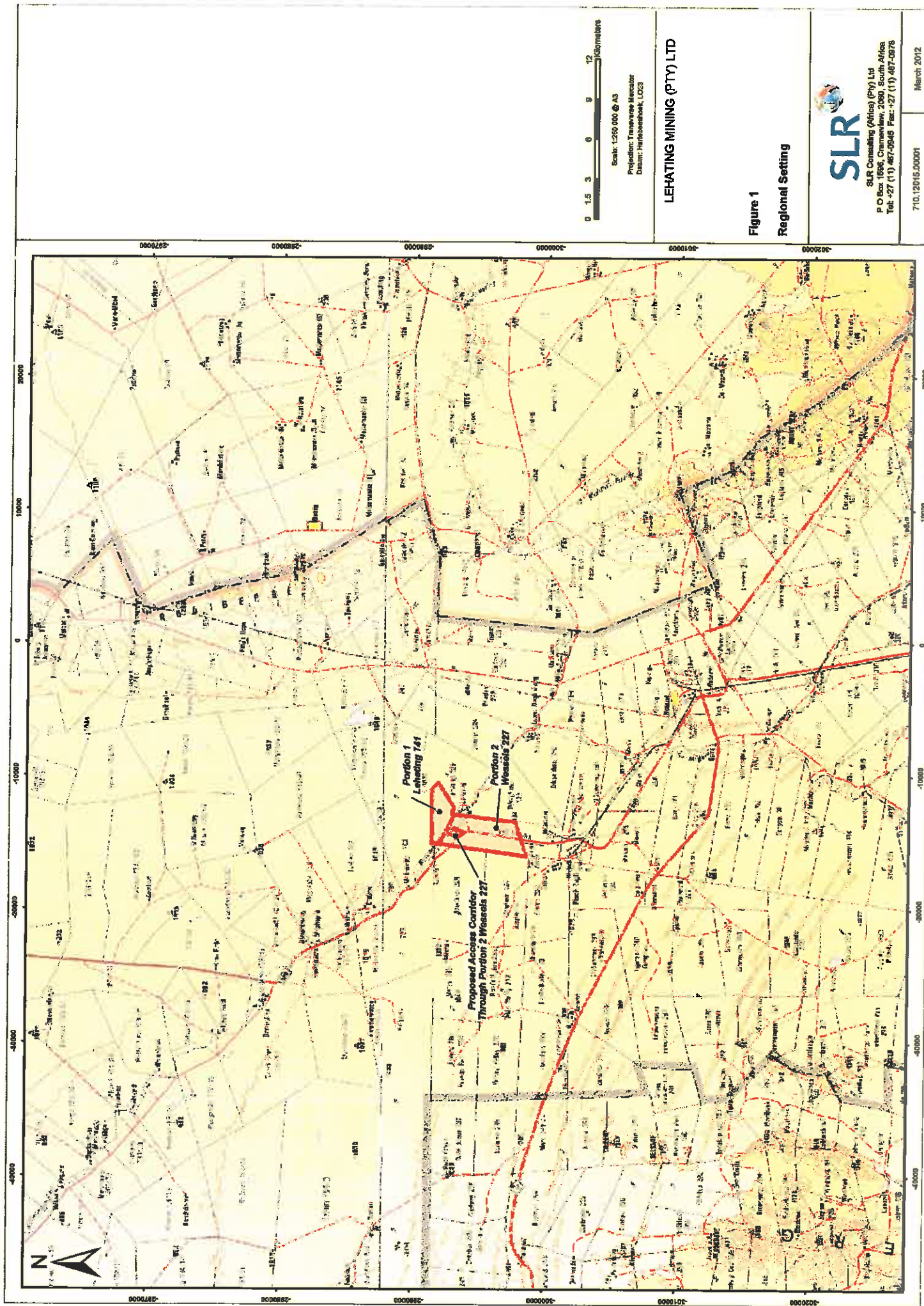
**2 November 2012**

Comments received thereafter will be included in the EIA/EMP report.

For further information you can contact the person listed below.

#### WHO TO CONTACT

Victoria Tucker on  
(011) 467 0945 (tel) or  
(011) 467 0978 (fax) or  
vtucker@slrconsulting.com



LEHATING MINING (PTY) LTD

Figure 1  
Regional Setting

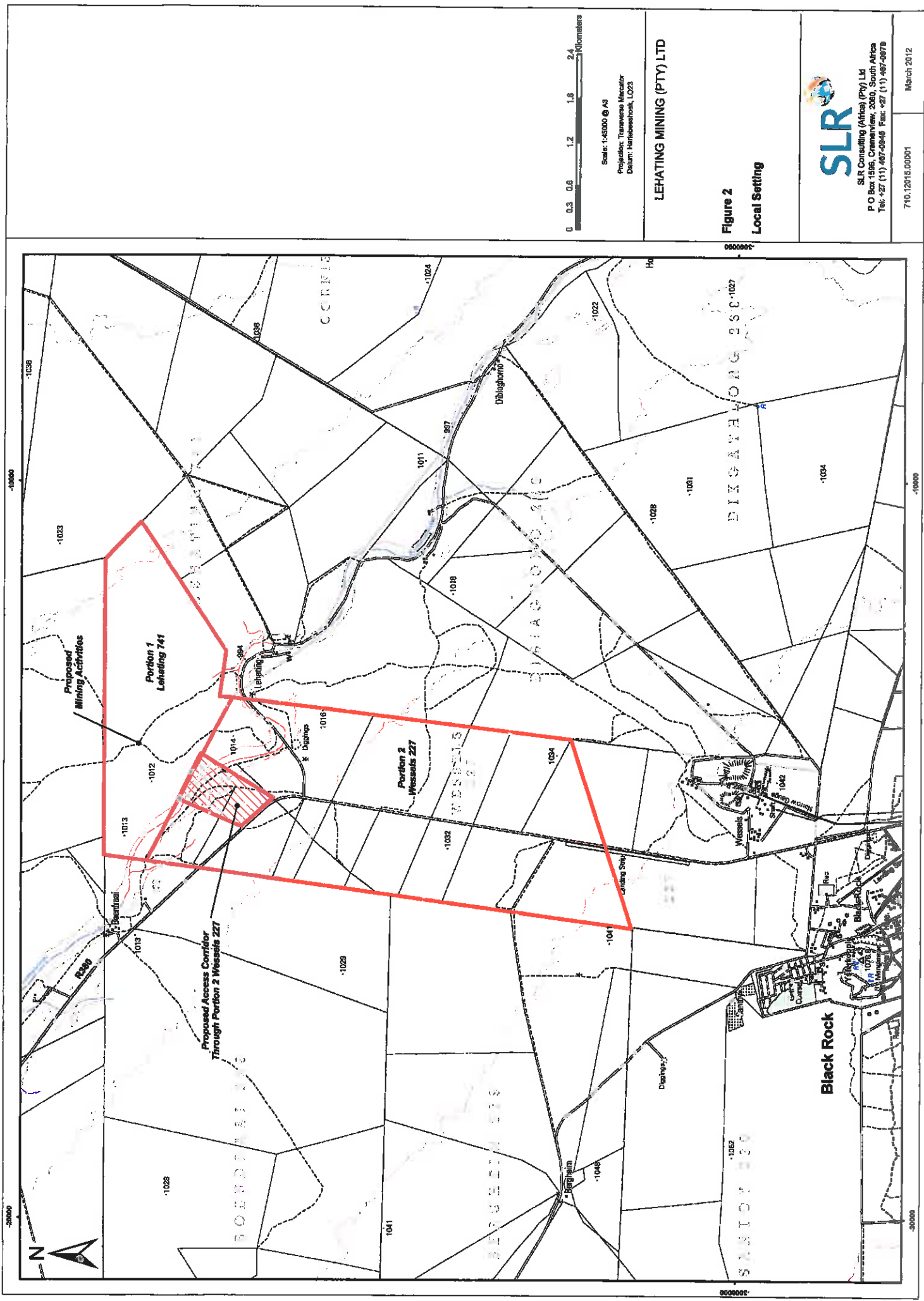


SLR Consulting (Africa) (Pty) Ltd  
P O Box 1595, Craenewijk, 2050, South Africa  
Tel: +27 (11) 467-0945 Fax: +27 (11) 467-0978

710.12015.00001

March 2012





LEHATING MINING (PTY) LTD

**Figure 2**  
**Local Setting**



SLR Consulting (Africa) (Pty) Ltd  
P O Box 1599, Cranenburgh, 2050, South Africa  
Tel: +27 (11) 467-0846 Fax: +27 (11) 467-0978

710.12015.00001

March 2012

## MINING AND PROCESSING

The resource to be mined is the manganese ore body of the Kalahari Manganese field. It is planned to mine the ore body using underground mining methods. In this regard, access to the ore body will be via a proposed vertical shaft. Mined material will then be brought to surface via the shaft and will be crushed and screened according to grade and size.

## SUPPORTIVE SERVICES

### Stockpiles

The product will be stockpiled on-site for loading and transport via road.

### Access

An access road off the R380 is proposed (Figure 1). All project transportation will be by road.

### Power

Power will be supplied by on-site generators until such time as Eskom power is available.

### Water

Process and potable water will be provided by boreholes and mine dewatering.

### Stores

Storage facilities will be established on-site for the storage of general consumables, spares and hazardous materials (such as explosives, fuel and lubricants).

### Workshops

Maintenance of project equipment will be carried out at on-site workshops and wash-bays.

### Staff facilities

Ablutions, change houses as well as administration and security facilities will also be required. Staff will be sourced from surrounding communities and no housing facilities are therefore proposed. A temporary construction camp is planned for use during the construction phase.

## WASTE

The crushing and screening process will generate a slurry which will be disposed of in a proposed tailings disposal facility. Waste rock from shaft sinking and ore body access will be stockpiled on-site and/or used for construction. Construction, general and hazardous (eg. used lubricants) waste will be temporarily stored on site prior to disposal at appropriate facilities. Sewage will be treated at an on-site treatment facility.

## MOTIVATION FOR THE PROPOSED PROJECT

Lehating will produce various grades and sizes of manganese products to suit market demand. The anticipated market prices in the medium and long-term are considered to be favourable for project development. Furthermore, the project will create several hundred direct jobs and will have a positive impact on both indirect businesses and employment.

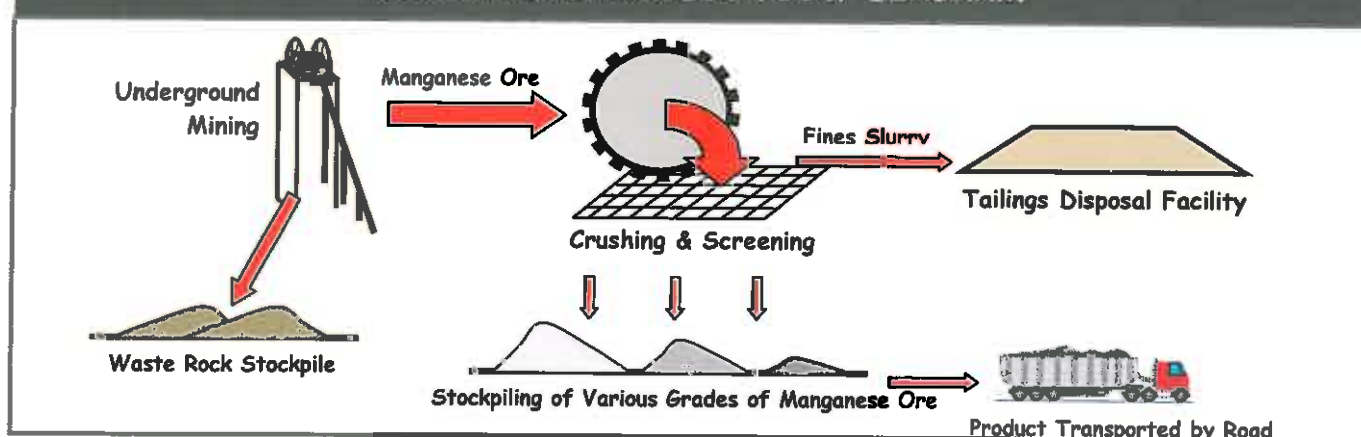
## ALTERNATIVES CONSIDERED

The process of considering alternatives will form part of the scoping phase of the environmental assessment process. More information will be provided at the scoping meetings.

## PLANNED TIMING OF THE PROJECT

If the project is approved, mining will commence in 2015. The life of mine (LOM) on current planning is between 15 and 20 years.

## CONCEPTUAL PROCESS FLOW DIAGRAM



The environmental assessment process provides:

- Information on the proposed project and the environment in which it is being undertaken;
- Identifies, in consultation with Interested and/or Affected Parties (IAPs), the potential negative as well as positive impacts of the proposed project; and
- Reports on management measures required to mitigate such impacts to an acceptable level.

IAPs and other stakeholders will receive notification of meetings and report review periods at least two weeks in advance.

## STEPS IN THE ASSESSMENT PROCESS

### PHASE 1 - Environmental Application (March - September 2012)

- Conduct site visit and commence with baseline studies and identify potential impacts
- Submit application to DMR (MPRDA) and DENC (NEMA)
- Discussions with key regulatory authorities, if required a regulatory authority scoping meeting will be arranged

### PHASE II - Scoping (September - October 2012)

- Notify all regulatory authorities and IAPs of the proposed project (via direct consultation, newspaper advertisements, site notices, this document)
- Arrange a public scoping meeting
- Define outstanding issues and terms of reference for addressing potential environmental impacts
- Compile scoping report and make it available for comment by IAPs, DMR and other Regulatory Authorities
- Collect and forward IAP comments to Regulatory Authorities

### PHASE III - EIA / EMP (August 2012 - February 2013)

- Assess impacts of proposed project and compile EIA/EMP report
- Make this available to IAPs, DMR and other Regulatory Authorities for review
- Collect and forward IAP comments to Regulatory Authorities

### RECORD OF DECISION (February 2013 - June 2013)

- Circulate notification of record of decision to IAPs (upon receipt from DMR and DENC)

## PARTIES INVOLVED IN THE ASSESSMENT PROCESS

### PROJECT PROPONENT

- Lehaving Mining (Pty) Ltd

### PROJECT TEAM

- SLR
- Mine design and planning team
- Specialist consultants

### IAPS

- Surrounding landowners/users
- Surrounding communities
- Surrounding industries
- Non-government organisations and associations in the area

### REGULATORY AUTHORITIES

- Department of Mineral Resources (DMR)
- Department of Environment and Nature Conservation (DENC)
- Department of Water Affairs (DWA)
- South African Heritage Resources Agency (SAHRA)
- Department of Land Affairs (DLA)
- John Taolo Gaetseke District Municipality
- Joe Morolong Local Municipality

Please let us know if there are any additional parties that should be involved.

## ENVIRONMENTAL PERMISSIONS TO BE OBTAINED

- EIA/EMP approval (DENC)
- Mining right (DMR)
- Water use licence (DWA)
- Paleontological permit (SAHRA)
- Waste permit (DEA)
- Protected plant species removal permit (DAFF)

## POTENTIAL ENVIRONMENTAL ISSUES

The list below is based on issues typically associated with projects of this nature as well as issues raised by various IAPs during previous environmental assessments in the region. Any additional issues raised by IAPs during the proposed scoping phase, will be added to the list.

POTENTIAL ISSUES		PROPOSED STUDY TEAM
<b>GEOLOGY</b>	<ul style="list-style-type: none"> <li>▪ Loss of a mineral resources</li> </ul>	Lehating & SLR
<b>SOILS AND LAND USE</b>	<ul style="list-style-type: none"> <li>▪ Loss of soil resource</li> <li>▪ Changes to land capability</li> </ul>	ARC-Institute for Soil, Climate & Water
<b>BIODIVERSITY</b>	<ul style="list-style-type: none"> <li>▪ Loss of habitat</li> <li>▪ General disturbance to wildlife</li> </ul>	Ecological Management Services
<b>AIR QUALITY</b>	<ul style="list-style-type: none"> <li>▪ Dust and air emissions</li> </ul>	Airshed Planning Professionals (Pty) Ltd
<b>SURFACE WATER</b>	<ul style="list-style-type: none"> <li>▪ Changes to drainage patterns</li> <li>▪ Surface water contamination</li> </ul>	SLR
<b>GROUNDWATER</b>	<ul style="list-style-type: none"> <li>▪ Lowering of water table</li> <li>▪ Contamination of groundwater</li> </ul>	SLR
<b>BLASTING</b>	<ul style="list-style-type: none"> <li>▪ Impacts relating to ground vibrations</li> </ul>	SLR
<b>TRAFFIC</b>	<ul style="list-style-type: none"> <li>▪ Impacts on service levels of roads</li> <li>▪ Impacts on other road users</li> </ul>	Siyazi Gauteng
<b>NOISE</b>	<ul style="list-style-type: none"> <li>▪ General noise pollution</li> </ul>	SLR
<b>VISUAL</b>	<ul style="list-style-type: none"> <li>▪ Changes to the visual landscape</li> </ul>	SLR
<b>HERITAGE</b>	<ul style="list-style-type: none"> <li>▪ Loss of heritage resources</li> <li>▪</li> </ul>	Professional Grave Solutions (Heritage)
<b>PALAEONTOLOGY</b>	<ul style="list-style-type: none"> <li>▪ Loss of fossil resources</li> </ul>	Metsi Metseng Geological and Environmental Services (Palaeontology)
<b>SOCIO-ECONOMIC</b>	<ul style="list-style-type: none"> <li>▪ Investment in local and regional economy</li> <li>▪ Employment opportunities and influx of job seekers</li> <li>▪ Impact on the lifestyle and services of surrounding communities</li> <li>▪ Land use analysis</li> </ul>	SLR and Strategy4Good



LEHATING MINING (PTY) LTD  
ENVIRONMENTAL ASSESSMENT FOR A NEW UNDERGROUND MANGANESE MINING OPERATION  
ON THE FARM LEHATING 741  
REGISTRATION AND RESPONSE FORM FOR INTERESTED AND AFFECTED PARTIES

DATE	TIME
PARTICULARS OF THE INTERESTED AND AFFECTED PARTY	
NAME	
POSTAL ADDRESS	
	POSTAL CODE
WORK/ DAY	WORK/ DAY FAX
TELEPHONE NUMBER	NUMBER
CELL PHONE NUMBER	E-MAIL ADDRESS

**PLEASE IDENTIFY YOUR INTEREST IN THE PROPOSED PROJECT**

**PLEASE WRITE YOUR COMMENTS AND QUESTIONS HERE**

Please return completed forms to:

**Victoria Tucker**  
SLR Consulting (Africa) (Pty) Ltd  
P O Box 1596, Cramerview, 2060  
Fax: (011) 467-0978  
Email: [vtucker@slrconsulting.com](mailto:vtucker@slrconsulting.com)



### DETAILS OF SPECIALIST AND DECLARATION OF INTEREST

Application for authorization in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended and the Environmental Impact Assessment Regulations, 2010

File Reference Number:  
NEAS Reference Number:  
Date Received:

(For official use only)

**1. Project title:**

**Environmental Impact Assessment and Environmental Management Programme for the proposed Lehating Manganese Mine near Hotazel**

**2. Details of the specialist:**

Project Specialist:	SLR Consulting (Africa) (Pty) Ltd		
Trading name (if any):			
Business reg. no./ID. no.:	1998/05179/07		
Contact person:	Victoria Tucker		
Physical address:	Metago House, Fourways Manor Office Park, Cnr Roos And Macbeth, Fourways		
Postal address:	PO Box 1596, Cramerview		
Postal code:	2060	Cell:	083 533 3576
Telephone:	011 467 0945	Fax:	011 467 0978
E-mail:	vtucker@slrconsulting.com		
Qualifications:	SLR has eighteen (18) years of experience in EIAs in the mining sector		
Professional affiliation (s) (if any)	SLR project reviewers are certified by the Environmental Assessment Practitioners Association of South Africa (EAPSA) and/or Professional Natural Scientist (PriSciNat)		

**3. Details of the consultant**

Project consultant/firm:	SLR Consulting (Africa) (Pty) Ltd		
Business reg. no./ID. no.:	1998/05179/07		
Contact person:	Victoria Tucker		
Postal address:	PO Box 1596, Cramerview		
Postal code:	2060	Cell:	083 533 3576
Telephone:	011 467 0945	Fax:	011 467 0978
E-mail:	vtucker@slrconsulting.com		

4. Declaration by the specialist appointed in terms of the Environmental Impact Assessment Regulations, 2010

I, Victoria Tucker, declare that --

- I act as the independent specialist in this application
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant
- I declare that there are no circumstances that may compromise my objectivity in performing such work;
- I have expertise in conducting the specialist report relevant to this application, including knowledge of the Act, regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, regulations and all other applicable legislation;
- I have no, and will not engage in, conflicting interests in the undertaking of the activity;
- I undertake to disclose to the applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing - any decision to be taken with respect to the application by the competent authority; and - the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority;
- all the particulars furnished by me in this form are true and correct; and
- I realise that a false declaration is an offence in terms of Regulation 71 and is punishable in terms of section 24F of the Act.

Signature of the specialist:

SLR Consulting (Africa) (Pty) Ltd

Name of company (if applicable):

20 September 2012

Date:

Signature of the Commissioner of Oaths:

Date:

20 September 2012

Designation:

Official stamp (below):

**BRANDON IAN STOBART  
EX OFFICIO  
COMMISSIONER OF OATHS  
NON-PRACTISING ATTORNEY  
REPUBLIC OF SOUTH AFRICA  
UNIT 7, FOURWAYS MANOR OFFICE PARK  
FOURWAYS**





DEPARTMENT OF  
ENVIRONMENT AND NATURE CONSERVATION

ISEBE LEZENDALO  
NOLONDOLOZO

LEFAPHA LA ,TIKOLOGO  
LE TSHOMARELO YA TLHAGO

DEPARTEMENT VAN  
OMGEWING EN NATUUR BEWARING

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KIMBERLEY  
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Fax: (053) 831 3530

Enquiries :  
Dipatlisiso : M.Mathews  
Navrae :  
Imibuzo :

03<sup>rd</sup> October 2012

Reference :  
Tshupelo : NC/EIA/JTG/JOE/LEH2/2012  
Verwysing : NCP/EIA/0000166/2012  
Isalathiso :

Victoria Tucker  
SLR Consulting (Africa) (Pty) Ltd  
P.O. Box 1596  
Cramerview  
2060

Fax: 011 467 0978

Dear Sir/Madam

**APPLICATION FOR: LISTED ACTIVITY GNR 544: ACTIVITIES 1, 10, 11, 12, 13, 1822, 26, GNR 545: ACTIVITIES 5, 15, 19 AND GNR 546: ACTIVITIES 2, 3, 4, 9, 10, 14, 16: THE PROPOSED LEHATING MANGANESE MINE NEAR HOTAZEL, JOE MOROLONG LOCAL MUNICIPALITY, JOHN TAOLO GAETSEWE DISTRICT MUNICIPALITY, NORTHERN CAPE PROVINCE.**

The Department confirms having received the application of the abovementioned project for on 03<sup>rd</sup> October 2012, required in terms of the Environmental Impact Assessment Regulations, 2010.

The application has been assigned the reference number **NC/EIA/JTG/JOE/LEH2/2012**. Kindly quote this reference number in any future correspondence in respect of the application.

Kindly note the responsible officer for this project is **Mr. M. Mathews** and can be contacted at this number **(053) 773 1239**.

Yours faithfully  
  
L. Pienaar  
Administration: EIA

**Cc: Nico Hager – Lehating Mining (Pty) Ltd**  
**Fax: 086 235 6215**