



**SASOL MINING BORROW PITS
MINING RIGHT APPLICATION, EIA/EMPR AND IWULA**

EIA Phase Public Meeting

DATE: 10th April 2013

TIME: 11:00

VENUE: SASOL MINING, MINING CENTRE CONFERENCE ROOM

MINUTES OF THE MEETING

1. Opening and Welcome

Jasper Muller (JM) welcomed everyone to the meeting.

2. Presentation to Meeting

JM gave a formal presentation to the attendees. A copy of the presentation slides is attached as Annexure A to the minutes.

The following was covered in the presentation:

- The Purpose of the Meeting
- Meeting Rules
- Agenda
- The Project Background
- The Sasol Mining Borrow Pits Operation
 - Properties Affected
 - Details of Applicant
 - Workforce on site
 - Operation and Water balance at every pit
 - Construction Phase Activities and Time Line
 - Fence the area with a 1.2 m high fence.
 - Install a boom gate to control access.
 - Put up the required site notices.
 - Provide a portable toilet.
 - Clear vegetation from the initial area for quarrying.
 - Strip top soil from first cut.
 - Construct storm water run-off berms with topsoil.
 - Construct a Storm Water Setting Pond.
 - Stockpile the remaining soils in a pre-determined area.
 - The construction phase will be completed within a month of start-up.
 - Operational Phase Activities and Time Line
 - Clear vegetation.
 - Strip topsoil and stockpile.
 - Remove unsuitable overburden materials.
 - Excavate suitable dolerite materials and load onto tipper trucks.
 - Transport material with tipper trucks along the shortest possibly route along public roads to conveyor construction sites.
 - Return to Borrow Pits to repeat cycle.

- The overall operational phase (all eight borrow pits) is estimated to last for four years.
 - Decommissioning and Closure Phase Activities and Time Line
 - All machinery (excavators and trucks) and limited infrastructure (toilets, boom gate, etc.) will be removed from site.
 - Excavated material unsuitable for construction purposes, and which was stockpiled separately as overburden, will be used to reshape the Borrow Pits to be free draining.
 - The shaped areas will be re-soiled, fertilized and re-vegetated.
 - As soon as vegetation has re-established the storm water diversion berms will be removed.
 - The de-commissioning and closure of the eight borrow pits will be completed within 6 months after final quarrying. It is expected that the new vegetation will take 2 years to re-establish properly.
 - Post Closure Phase Activities and Time Line
 - It is estimated that it would be possible to lodge a Mine Closure Application any time between 2 and 5 years after decommissioning.
- Legal Framework
 - NEMA
 - GNR 544 – Activity 11 (Construction)
Activity 18 (The infilling or depositing of any material)
 - GNR 545 – Activity 5 (The construction of facilities or infrastructure)
 - GNR 546 – Activity 12 (Clearance of vegetation of 300 m² or more)
Activity 13 (Clearance of vegetation of 1 hectare or more)
Activity 14 (Clearance of vegetation of 5 hectare or more)
Activity 16 (Construction)
 - MPRDA
 - NWA (will be discussed later during presentation)
- The EIA Process
 - 5 Phases
 - Pre-Application Phase
 - Appointment of EAP by Applicant
 - Determination of Type of Application
 - Identification of the Competent Authority
 - Pre-application Consultation with the Competent Authority
 - Identify and Notify Property/Land Owners
 - Submit Application to Competent Authority
 - Notification of Decision on Application
 - Scoping Phase
 - Initiate and Conduct Public Participation Process
 - Compile Notification and Information Documents
 - Notify all I&AP's of Project and Meetings (Newspapers, Site Notices, Letters, etc.)
 - Written Notification to Relevant Regulating Authorities
 - Compilation of Scoping Report and Plan of Study as per Regulations and Guidelines
 - Scoping Public Meeting
 - Make Scoping Report available for Review
 - Capture and Consider Comments from I&AP's and Relevant Authorities
 - Finalize and Submit Scoping Report and Plan of Study to I&AP's and Authorities

- Authority Review & Decision
 - Notification of Decision on Scoping Report
 - Environmental Impact Assessment Phase
 - Commence to Implement Plan of Study
 - Continue Public Participation Process
 - Conduct Specialist Studies
 - Prepare EIA Report (EIAR comprising EIA, EMP as per Regulations and Guidelines
 - EIA/EMP Public Meeting
 - Make EIAR available for Review
 - Capture and Consider Comments from I&AP's and Relevant Authorities
 - Finalize and Submit EIAR to I&AP's and Authorities
 - Consideration and Decision Phase
 - Authority Review & Decision
 - Notification of Decision on the EIAR
 - Granting of Environmental Authorization
 - Appeal Phase
 - May Appeal against an Administrative Decision by DMR
 - Appeal to be lodged in terms of section 74 of Regulation GNR 527 of 23 April
 - May Appeal against an Administrative Decision by DEDET
 - Appeal to be lodged in terms of section 58 - 66 of Regulation GNR 543 of 18 June 2010
- The PPP Process
 - What happened to date
 - Compile Stakeholder Data Base
 - Pre-Application Meetings with Authorities
 - Pre-Application Meeting held with the Department of Mineral Resources at Witbank on the 5th of March 2012
 - Pre-Application Meeting held with the Department of Economic Development, Environment and Tourism at Ermelo on the 6th of March 2012
 - Pre-Application Meeting held with the Department of Water Affairs at Gauteng Offices on the 22nd of March 2012
 - Scoping Phase Public Meeting with I&AP's
 - Scoping Phase public meeting was held on the 29th of March 2012 at the Sasol Mining, Mining Centre Conference Facility, Secunda
 - Where we are now in Process
 - EIA Phase
 - Public Meeting/Open House (Today)
 - 10 April 2013
 - Still to happen
 - Prepare Draft EIA/EMP Report
 - Distribute Draft EIA/EMP Report for I&AP's review
 - Will be available on the 17th of April 2013 for commenting
 - Capture Comments and Issues
 - I&AP's can comment for 30 days until 17h00 on the 16th of May 2013
 - Any comments after this deadline must be submitted directly to DEDET and DMR
 - Compile Public Participation Programme Report

- Submit Final EIA/EMP Report to Authorities and I&AP's
 - Report will be submitted to DMR and DEDET on the 27th of May 2013
 - I&AP's will have 30 days after this date to send comments to Authorities
 - Authority to make Decision Known to Public
 - Can Appeal Against Administrative Decision
- The EIA/EMP Report and Plan of Study
 - Section 0
 - The EIA Process (MPRDA & NEMA)
 - The Scoping & EIA Process
 - Details of and Declaration by the EAP
 - Legislation and Guidelines Considered
 - Identified Communities
 - Land Claim Status
 - Relevant Traditional Authority
 - Description of Land Owners
 - Details of Local Municipality
 - Details of Relevant Government Authorities
 - Relevant information from Application Forms
 - Section 1
 - The Baseline Environment
 - The Proposed Mining Operation
 - The Potential Impacts
 - Alternative Land Use or Developments
 - Potential Impacts of Alternative Land Use
 - Potential Social & Cultural Impacts
 - Impact Assessment and Evaluation
 - Influence on Alternative Land Uses
 - Comparative Cost Benefit Assessment
 - Comparative Assessment Specialist Report
 - Appropriate Mitigation Measures
 - Identification of I&AP's
 - Details of Engagement Process
 - Addressing of Issues Raised
 - Constraints and Limitations
 - Monitoring & Management
 - Technical & Supporting Information
 - Section 2
 - Mine Closure Objectives & Goals
 - Operational Phase Objectives & Goals
 - Socio-Economic Objectives & Goals
 - Historical & Cultural Objectives & Goals
 - Technical and Management Options
 - Implementation Action Plan
 - Emergency Action Plan
 - Performance Assessment Protocol
 - EMP Financial Provisioning
 - Environmental Awareness Plan
 - Supporting Information Attached
 - Environmental Management Capacity
 - Undertaking

- Environmental Impact Statement
- Professional Opinion For Authorization
- Identification of the Report
- The EIR
 - Impact Assessment Table
- The Draft EMP
 - Management Measures Table
- The Integrated Water Use License Application (IWULA)
 - NWA water uses:
 - Section 21(c): Impeding or diverting the flow of water in a watercourse;
 - Section 21(f): Discharging waste or water containing waste into a water resource through a pipe, canal, sewer, sea outfall or other conduit;
 - Section 21(g): Disposing of water containing waste in a manner which may detrimentally impact on a water resource;
 - Section 21(i): Altering the bed, banks, course or characteristics of a watercourse
 - NWA exemption:
 - GNR 704 – Activity 4(a)
 - GNR 704 – Activity 4(b)

3. Discussion, Comments, Questions

The following interactions were minuted from the voice recording of the meeting:

Question by Emile Blaauw (EB) (Sasol Group Services):

In the presentation Jasper Muller (JM) mentioned that the Borrow Pits will only be functional for four years. Is that according to the Mining Work Programme? EB wanted to know, if Sasol Mining have a licence can they sell some of the material?

Response by JMA:

JM responded that it is stated very clearly in the motivation of the Mining Work Programme (MWP) that material will not be sold and that the Borrow Pits will only be operational for four years. The motivation in the financial part of the MWP stated that the operation was only to support expansion operations. However after the four years Sasol Mining can apply for an extension to extend these activities. Sasol Mining will then need to apply for an extension from DMR. This will result in an amended EMP.

Question by EB:

In the description JM state that they are going to fertilize the shaped areas, this will be based on a soil analysis?

Response by JMA:

Yes, when Sasol Mining are stripping soil they need to have a soil expert present to classify the soil. This will influence how they need to stock pile the soil. When Sasol Mining put the soil back (backfilling) they need the soil expert to be present so that he can determine the seed mix and the fertilization mix.

Question by Kallie le Roux (KLR) (Sasol Mining):

At the moment the borrow pits are currently on Sasol Mining property. Say for instance that during the operation period the property gets transferred to a new owner, will it in anyway affect Sasol's mining licence?

Response by JMA:

The answer would be a Servitude Agreement between Sasol Mining and the new property owner.

Question by Bheki Mndawe (BM) (Sasol Mining):

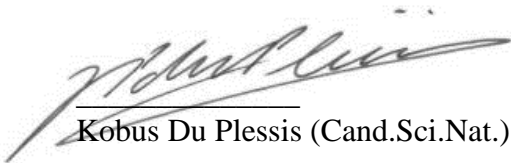
On page seven of the presentation JM stated that the Draft EIA Report would be distributed to the I&AP's. Are JMA also sending it to any of the competent authorities?

Response by JMA:

To be followed up. But JMA will send electronic copies the competent authorities.

After no more questions were asked JMA thanked the I&AP's present for their time and comments and indicated that JMA looked forward to getting some feedback from them.

Minuted by Kobus du Plessis
(JMA Consulting (Pty) Ltd)



Kobus Du Plessis (Cand.Sci.Nat.)



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Sustainable Environmental Solutions through integrated Science and Engineering

ATTENDANCE REGISTER


PROJECT: Sasol Mining (Pty) Ltd.
EIA Phase Public Meeting

VENUE : Sasol Mining, Mining Centre Conference Room
DATE & TIME : 10 April 2013 @ 11:00

Nr	Name	Representing	Postal Address	Fax number	Contact Details	E-mail address	Sign
1	Jasper Muller	JMA	PO Box 883, Delmas, 2210	013 665 2364	Tel: 013 665 1788	jasper@jmaconsult.co.za	
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3	M MOODLEY	J + W		011 519 0261	011 519 0200	moodley@jw.co.za	
4	S Weber	Menco EARS		02 9932165	02 993 2165	shawn@menco.co.za	
5	BHEKI	Sasol		017 614 5545	083 417 0388	bheki@sasol.com	
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8							
9							
10							
11							

Annexure A
Copy of Presentation Slide Show

Sustainable Environmental Solutions
through integrated
Science and Engineering



**SASOL MINING (PTY) LTD -
BORROW PITS PROJECT**

**EIA/EMPR, MINING RIGHT
APPLICATION & IWULA**

**EIA PUBLIC MEETING
10 APRIL 2013**
SASOL MINING, MINING CENTRE CONFERENCE ROOM

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WELCOME


BY:

Jasper Müller
on behalf of
Sasol Mining (Pty) Ltd



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MEETING RULES



1. The meeting starts with a Presentation by the EAP;
2. Questions will only be taken after the presentation - this is to support accurate compilation of the meeting minutes;
3. State your name and affiliation at the outset of your question/statement;
4. Please feel free to communicate in English or Afrikaans;
5. There is an opportunity for written comments – comment sheets are provided;
6. Write name & designation with questions / concern
7. Please complete the attendance register.

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SASOL MINING – BORROW PITS PROJECT




AGENDA

- Welcome and Meeting Rules – Jasper Muller
- Presentation by EAP – Jasper Muller
- Questions/Discussion after presentation
- Poster Presentations and Consultation with Specialists
- Closure

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SASOL MINING – BORROW PITS PROJECT




PRESENTATION

- The SMBP Project
- The EIA Process
- The PPP Process
- The EIA/EMP Report
- Mining Right Application
- Integrated Water Use License Application (IWULA)

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BACKGROUND TO PROJECT



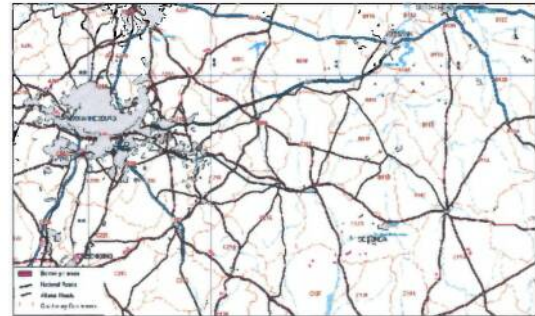
- Sasol Mining has been mining coal in the Secunda area, for more than 30 years. Sasol Mining supplies coal to Sasol Synfuels which has a coal consumption of approximately 41 million tons per annum. Sasol Synfuels, by utilising various processes, beneficiates the coal into a number of products such as petrol, diesel, chemicals etc. In addition, a certain amount of the coal is exported to European and Asian markets. Coal is currently mined by five production operations within Sasol Mining's mining area, consisting of the Twistdraal, Middelbult, Syferfontein, Brandspruit and Bosjesspruit Operations. Even though the Secunda Complex consists of these five operations, it is a single integrated mining area operated by Sasol Mining, and does not constitute individual mines.
- Sasol Mining needs to source Dolerite Gravels in order to support the construction of new infrastructure for a number of new shaft complexes for mining coal in the Secunda Area. Three projects are currently underway to maintain the business; the Thubelisha shaft (replacement of Twistdraal Colliery), Impumelelo Mine, (replacement of Brandspruit Colliery), and Shondoni (Brown fields project for Middelbult Colliery). The Sasol Mining Borrow Pit Project comprises of eight individual Borrow Pits scattered throughout the area and which are located in the area South to South West of Secunda. The total mined area will amount to 174 ha with individual pit size varying between 1.5 ha and 67 ha. Having identified several areas where extensive deposits of dolerite gravel are present, Sasol Mining now wishes to obtain the necessary environmental authorisations to actively mine the dolerite from these eight Borrow Pits.

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DETAILS OF THE APPLICANT

Project Applicant:	Sasol Mining (Pty) Ltd
Trading Name:	Sasol Mining
Contact Person:	Pierre Jordaan
Physical Address:	Walter Sisulu Road, Secunda, Sasol Mining
Postal Address:	PO Box 699, Trichardt, 2300
Telephone no:	(017) 614 5003
Fax no:	(017) 522 5528
E-mail:	pierre.jordaan@sasol.com

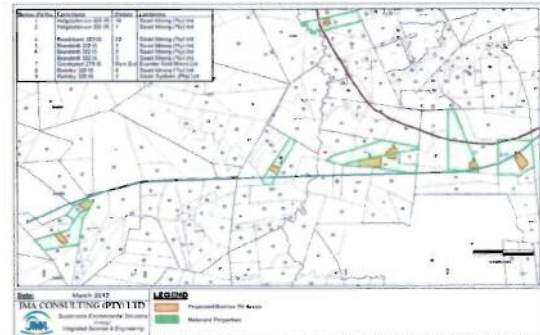
REGIONAL LOCALITY



REGIONAL LOCALITY



PROPERTIES AFFECTED

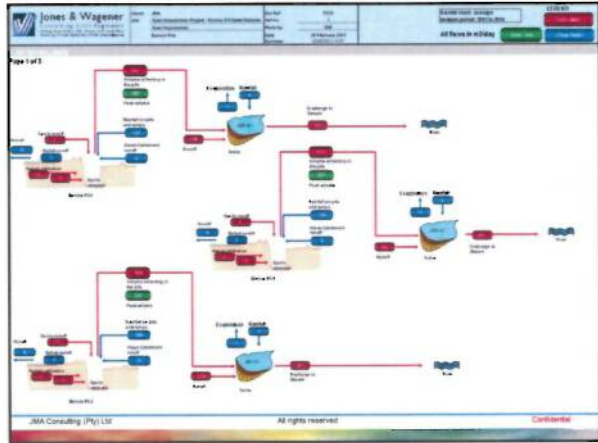
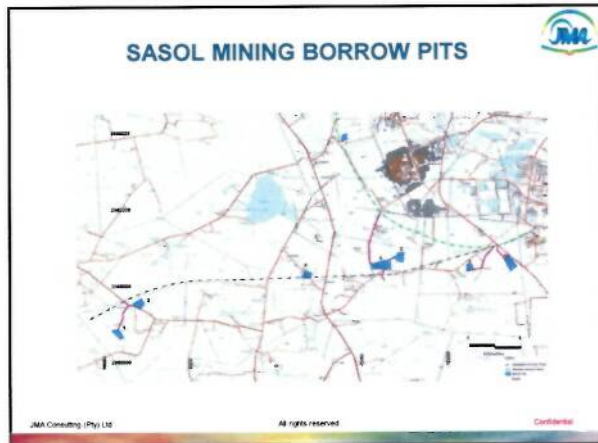
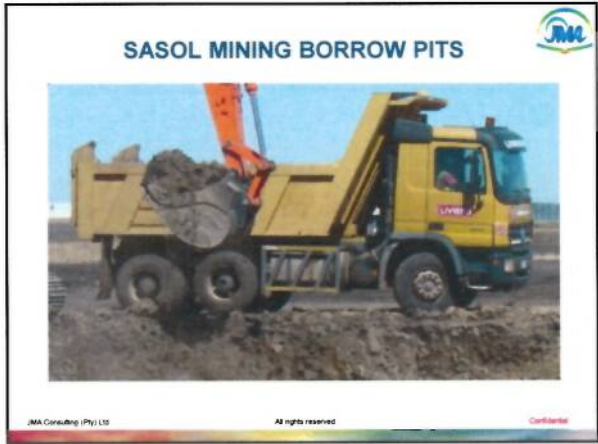
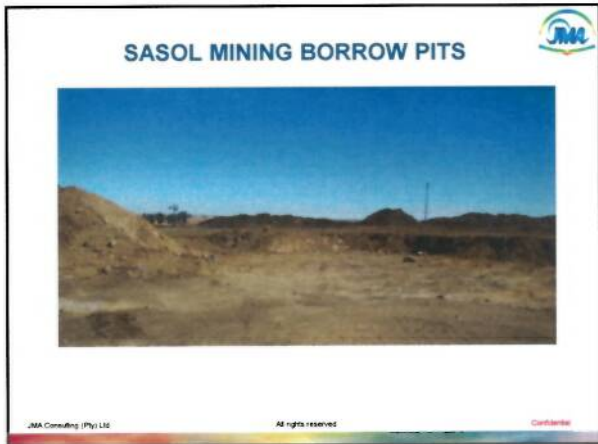
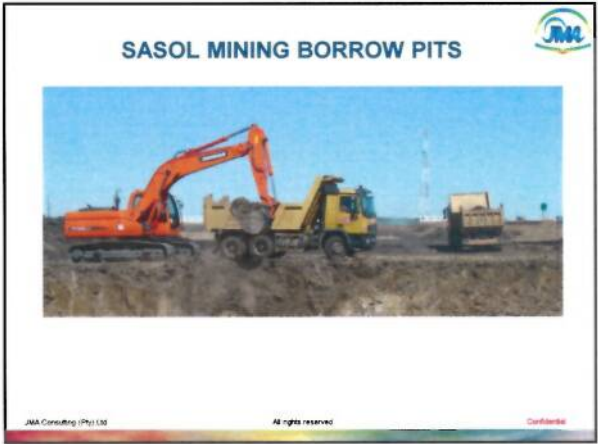
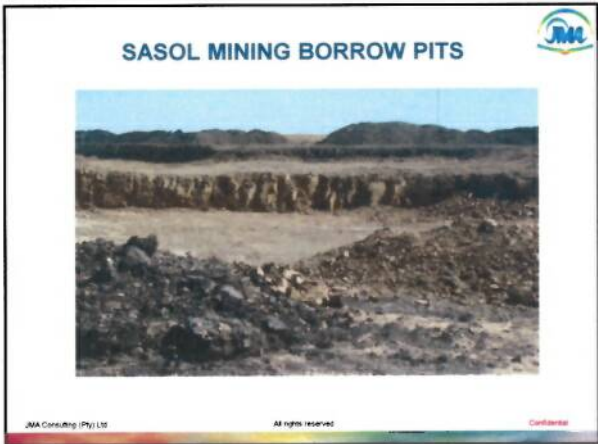


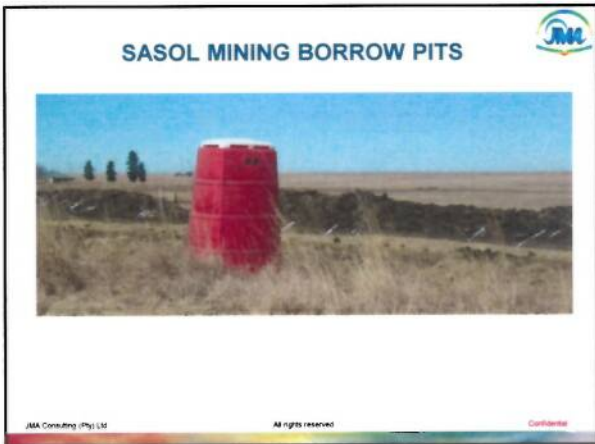
SASOL MINING BORROW PITS

Category	Year 1	Year 2	Year 3	Year 4
Top Management	0	0	0	0
Senior Management	0	0	0	0
Professionally qualified and experienced specialists and mid management	1	1	1	1
Skilled technical and academically qualified workers, junior management, supervisors, foremen, and experientials	0	0	0	0
Semi-skilled and discretionary decision making	1	1	1	1
Unskilled	13	13	13	13
Total Contract Man Power Budget	15	15	15	15

SASOL MINING BORROW PITS

Borrow Pit No	Total Area	Elevation	Site/Block Area (ha)	Overburden		Borrow Thickness		Total Volume (m³)
				Thickness (m)	Volume (m³)	Thickness (m)	Volume (m³)	
1	18.6	4.4	12.2	0.6	111 627	1.2	212 142	326 769
2	14.1	7.8	12.4	0.6	87 833	1.2	244 743	342 576
4	19.4	2.8	17.4	4.2	17 336	0.8	173 362	190 698
5	48.6	7.2	32.8	0.7	349 710	0.5	344 895	694 605
6	16.8	1.9	14.1	1.4	144 416	0.5	241 571	385 987
7	18.9	0.5	17.9	0.7	72 367	0.5	127 486	179 853
8	12.3	4.4	7.4	0.7	77 340	1.4	17 472	113 817
9	19.8	1.7	13.3	0.4	211 827	0.5	144 945	359 112





SASOL MINING BORROW PITS

Construction Phase Activities and Time Line

The Borrow Pits require the minimum of construction activities in order to come into operation:

- Fence the area with a 1.2 m high fence.
- Install a boom gate to control access.
- Put up the required site notices.
- Provide a portable toilet.
- Clear vegetation from the initial area for quarrying.
- Strip top soil from first cut.
- Construct storm water run-off berms with topsoil.
- Construct a Storm Water Setting Pond.
- Stockpile the remaining soils in a pre-determined area.

The construction phase will be completed within a month of start-up.

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SASOL MINING BORROW PITS

Operational Phase Activities and Time Line

Operation would entail the following sequential actions:

- Clear vegetation.
- Strip topsoil and stockpile.
- Remove unsuitable overburden materials.
- Excavate suitable dolerite materials and load onto tipper trucks.
- Transport material with tipper trucks along the shortest possible route along public roads to conveyor construction sites.
- Return to Borrow Pits to repeat cycle.

The overall operational phase (all eight borrow pits) is estimated to last for four years.

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SASOL MINING BORROW PITS

Decommissioning and Closure Phase Activities and Time Line

During Decommissioning and Closure the following activities will occur:

- All machinery (excavators and trucks) and limited infrastructure (toilets, boom gate, etc) will be removed from site.
- Excavated material unsuitable for construction purposes, and which was stockpiled separately as overburden, will be used to reshape the Borrow Pits to be free draining.
- The shaped areas will be re-soiled, fertilized and re-vegetated.
- As soon as vegetation has re-established the storm water diversion berms will be removed.

The de-commissioning and closure of the eight borrow pits will be completed within 6 months after final quarrying. It is expected that the new vegetation will take 2 years to re-establish properly.

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SASOL MINING BORROW PITS

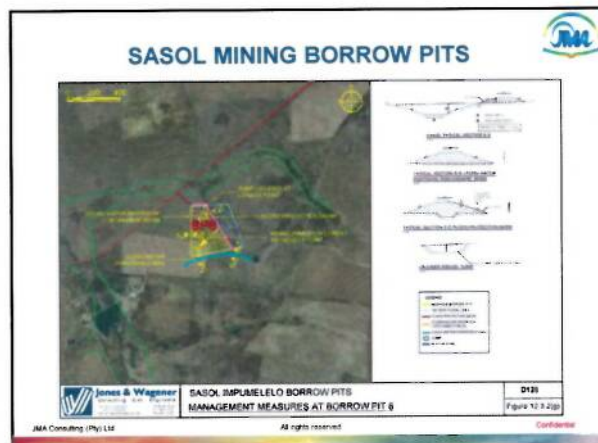
Post Closure Phase Activities and Time Line

The rehabilitated sites will be closely monitored after closure to ensure that the vegetation establishes effectively and that the sites generate clean surface run-off. Alien and/or invader plant species will be controlled to facilitate a sustainable growth of the vegetation.

It is estimated that it would be possible to lodge a Mine Closure Application any time between 2 and 5 years after decommissioning.

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LEGAL FRAMEWORK



- **National Environmental Management Act, Act 107 of 1998 - NEMA.**
Listed activities in terms of GNR 544, GNR 545 & GNR 546 are triggered by the proposed Borrow Pits Project and require a **Scoping & Environmental Impact Assessment** to be undertaken via Gert Sibande DEDET Regional Office in Ermelo. The Final Scoping Report was accepted on **01 February 2013**.
- **Mineral and Petroleum Resources Development Act, Act 28 of 2002 - MPRDA.**
An application for a new mining right was made to DMR's Regional Office in Witbank. The application was accepted on **28 November 2012**.
- **National Water Act, Act 36 of 1998 - NWA.**
A range of water uses as defined in section 21 of the NWA, and for which an Integrated Water Use License will be required have been identified. Thus a **Integrated Water Use License Application Process** will be launched. This process will be handled by Gauteng Regional Office in Pretoria.

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LEGAL FRAMEWORK



National Environmental Management Act, Act 107 of 1998 – NEMA Activities.

- GNR 544 – Activity 11 (Construction)
Activity 18 (The infilling or depositing of any material)
- GNR 545 – Activity 5 (The construction of facilities or infrastructure)
- GNR 546 – Activity 12 (Clearance of vegetation of 300 m² or more)
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Activity 14 (Clearance of vegetation of 5 hectare or more)
Activity 16 (Construction)

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THE EIA PROCESS - DIFFERENT PHASES



5 Phases In the EIA Process

- Pre-Application Phase
- Scoping Phase
- Environmental Impact Assessment Phase
- Consideration and Decision Phase
- Appeal Phase

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DIFFERENT PHASES OF THE EIA



Pre-Application Phase

- Appointment of EAP by Applicant
- Determination of Type of Application
- Identification of the Competent Authority
- Pre-application Consultation with the Competent Authority
- Identify and Notify Property/Land Owners
- Submit Application to Competent Authority
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DIFFERENT PHASES OF THE EIA



Scoping Phase

- Initiate and Conduct Public Participation Process
- Compile Notification and Information Documents
- Notify all I&AP's of Project and Meetings (Newspapers, Site Notices, Letters, etc)
- Written Notification to Relevant Regulating Authorities
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DIFFERENT PHASES OF THE EIA



Environmental Impact Assessment Phase


- Commence to Implement Plan of Study
- Continue Public Participation Process
- Conduct Specialist Studies
- Prepare EIA Report (EIAR comprising EIA, EMP as per Regulations and Guidelines)
- **EIA/EMP Public Meeting**
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DIFFERENT PHASES OF THE EIA




Consideration and Decision Phase

- Authority Review & Decision
- Notification of Decision on the EIAR
- Granting of Environmental Authorization

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DIFFERENT PHASES OF THE EIA




Appeal Phase

- May Appeal against an Administrative Decision by DMR
- Appeal to be lodged in terms of section 74 of Regulation GNR 527 of 23 April
- May Appeal against an Administrative Decision by DEDET
- Appeal to be lodged in terms of section 58 - 66 of Regulation GNR 543 of 18 June 2010

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THE PPP PROCESS INCEPTION TO CURRENT STATUS




What happened to date

- Compile Stakeholder Data Base
- Pre-Application Meetings with Authorities
 - Pre-Application Meeting held with the Department of Mineral Resources at Witbank on the 5th of March 2012
 - Pre-Application Meeting held with the Department of Economic Development, Environment and Tourism at Ermelo on the 6th of March 2012
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THE PPP PROCESS – INCEPTION TO CURRENT STATUS




Where we are now in Process

- EIA Phase
- Public Meeting/Open House (Today)
 - 10 April 2013

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THE NEXT PPP PHASE COMMENTS ON EIA/EMP REPORT




Still to happen

- Prepare Draft EIA/EMP Report
- Distribute Draft EIA/EMP Report for I&AP's review
 - Will be available on the 17th of April 2013 for commenting
- Capture Comments and Issues
 - I&AP's can comment for 30 days until 17h00 on the 16th of May 2013
 - Any comments after this deadline must be submitted directly to DEDET and DMR
- Compile Public Participation Programme Report

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THE NEXT PPP PHASE COMMENTS ON EIAR



Still to happen

- Submit Final EIA/EMP Report to Authorities and I&AP's
 - Report will be submitted to DMR and DEDET on the 27th of May 2013

I&AP's will have 30 days after this date to send comments to Authorities

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DEDET & DMR

Regional Department:	Mpumalanga Regional Office
Directorate/Designation:	DEDET
Contact Person:	Mr Surgeon T Marebane
Postal Address:	P O Box 2777 ERMELO Mpumalanga 2350
Telephone no:	017) 811 4830
Fax no:	086 516 3658
E-mail:	stmarebane@mps.gov.za

Regional Department:	Mpumalanga Regional Office
Directorate/Designation:	DMR
Contact Person:	Mr Bethuel Matodzi
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THE NEXT PPP PHASE COMMENTS ON EIAR

Still to happen

- Authority to make Decision Known to Public
- Can Appeal Against Administrative Decision

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THE EIA/EMP REPORT

- The EIA/EMP Report is being compiled in support of the Plan of Study and Scoping Report.
- The contents of the EIA/EMP Report are prescribed in the NEMA EIA Regulations as well as the MPRDA Regulations and guidelines.
- The Draft EIA/EMP Report will now be submitted to all relevant stakeholders for review and consideration for a period of 30 Days.
- After the review period has expired all comments that were received will be included and addressed in the Final EIA/EMP Report.
- The Final EIA/EMP Report will then be submitted to the DEDET's Regional Office in Ermelo and the DMR Regional Office in Witbank for review and approval.
- The Final EIA/EMP Report will at the same time also be made available to all Registered I&AP's.
- This Public Participation Process is intended to facilitate your inputs into this process.

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THE EIA/EMP REPORT & PLAN OF STUDY

Section 0

- THE EIA PROCESS (MPRDA & NEMA)
- THE SCOPING & EIA PROCESS
- DETAILS OF AND DECLARATION BY THE EAP
- LEGISLATION AND GUIDELINES CONSIDERED
- IDENTIFIED COMMUNITIES
- LAND CLAIM STATUS
- RELEVANT TRADITIONAL AUTHORITY
- DESCRIPTION OF LAND OWNERS
- DETAILS OF LOCAL MUNICIPALITY
- DETAILS OF RELEVANT GOVERNMENT AUTHORITIES
- RELEVANT INFORMATION FROM APPLICATION FORMS

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THE EIA/EMP REPORT & PLAN OF STUDY

Section 1

- THE BASELINE ENVIRONMENT
- THE PROPOSED MINING OPERATION
- THE POTENTIAL IMPACTS
- ALTERNATIVE LAND USE OR DEVELOPMENTS
- POTENTIAL IMPACTS OF ALTERNATIVE LAND USE
- POTENTIAL SOCIAL & CULTURAL IMPACTS
- IMPACT ASSESSMENT AND EVALUATION
- INFLUENCE ON ALTERNATIVE LAND USES
- COMPARATIVE COST BENEFIT ASSESSMENT
- COMPARATIVE ASSESSMENT SPECIALIST REPORT
- APPROPRIATE MITIGATION MEASURES
- IDENTIFICATION OF I&AP's
- DETAILS OF ENGAGEMENT PROCESS
- ADDRESSING OF ISSUES RAISED
- CONSTRAINTS AND LIMITATIONS
- MONITORING & MANAGEMENT
- TECHNICAL & SUPPORTING INFORMATION

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THE EIA/EMP REPORT & PLAN OF STUDY

Section 2

- MINE CLOSURE OBJECTIVES & GOALS
- OPERATIONAL PHASE OBJECTIVES & GOALS
- SOCIO-ECONOMIC OBJECTIVES & GOALS
- HISTORICAL & CULTURAL OBJECTIVES & GOALS
- TECHNICAL AND MANAGEMENT OPTIONS
- IMPLEMENTATION ACTION PLAN
- EMERGENCY ACTION PLAN
- PERFORMANCE ASSESSMENT PROTOCOL
- EMP FINANCIAL PROVISIONING
- ENVIRONMENTAL AWARENESS PLAN
- SUPPORTING INFORMATION ATTACHED
- ENVIRONMENTAL MANAGEMENT CAPACITY
- UNDERTAKING
- ENVIRONMENTAL IMPACT STATEMENT
- PROFESSIONAL OPINION FOR AUTHORIZATION
- IDENTIFICATION OF THE REPORT

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THE EIAR

IMPACT ASSESSMENT TABLE

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THE DRAFT EMP

MANAGEMENT MEASURES TABLE

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- ### THE INTEGRATED WATER USE LICENSE APPLICATION (IWULA)
- NWA WATER USES:**
- Section 21(c): Impeding or diverting the flow of water in a watercourse;
 - Section 21(f): Discharging waste or water containing waste into a water resource through a pipe, canal, sewer, sea outfall or other conduit;
 - Section 21(g): Disposing of water containing waste in a manner which may detrimentally impact on a water resource;
 - Section 21(i): Altering the bed, banks, course or characteristics of a watercourse
- NWA Exemption:**
- GNR 704 – Activity 4(a)
 - GNR 704 – Activity 4(b)
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GNR 704 – Activity 4(a) & 4(b)

National Water Act		
Exemption from Requirements of Regulations		
GNR 704	Restrictions on locality	
4(a)	No person in control of a mine or activity may locate or place any residue deposit, dam, reservoir, together with any associated structure or any other facility within the 100 year flood-line or within a horizontal distance of 100 metres from any watercourse or estuary, borehole or well, including boreholes or wells drilled specifically to monitor the pollution of groundwater, or on water-logged ground, or on ground likely to become water-logged, undrained, unstable or cracked.	Development of 8 Dolomite Borrow Pits
4(b)	No person in control of a mine or activity may, except in relation to a matter contemplated in regulation 10, carry on any underground or open-cast mining, prospecting or any other operation or activity under or within the 150 year flood-line or within a horizontal distance of 100 metres from any watercourse or estuary, whichever is the greatest.	Development of 8 Dolomite Borrow Pits

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- ### DISCUSSION
- Please state your name and affiliation prior to asking your question.
 - Your name and question will be minuted.
 - If possible your question will be answered at the meeting.
 - If you are satisfied with the answer it will be minuted, captured in the Issues and Response Register and your query will be considered as settled/concluded.
 - If your question cannot be answered at the meeting, it will be minuted, captured in the Issues and Response Register, and will be formally attended to during the finalization of the EIAR.
 - You can also submit your query in writing at the end of the meeting or post it to JMA, P O Box 883, Delmas, 2210, or alternatively;
 - Fax to (013) 665 2364 or;
 - e-mail to: kobus@jmaconsult.co.za
 - All written queries/concerns/comments received will be acknowledged and will then be captured and responded to in the Issues and Response Register.
 - The Issues and Response Register will be amended as the project continues and will be appended as an APPENDIX to the EIAR as a separate Public Participation Report.
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THANK YOU FOR YOUR ATTENDANCE

YOUR CONTRIBUTION AND INPUT IS VALUED

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Sustainable Environmental Solutions
through integrated
Science and Engineering



CONTACT DETAILS

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Attention: Mr Kobus du Plessis

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END OF MEETING